

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\  
 Data File : VW013462.D  
 Acq On : 07 Oct 2019 14:44  
 Operator : SY/VA  
 Sample : VW1007SBSD01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1007SBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 10/8/2019 1:30:33 PM

Quant Time: Oct 07 17:48:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100119S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 02 11:49:57 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 254303   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 368264   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 316306   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 163812   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 105650   | 55.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.28% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 103247   | 53.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.86% |      |
| 50) Toluene-d8            | 10.32  | 98  | 425151   | 53.02 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.04% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 152246   | 56.85 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 113.70% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 22165  | 22.534  | ug/l | 97     |
| 3) Chloromethane              | 2.21 | 50  | 34321  | 21.145  | ug/l | 97     |
| 4) Vinyl Chloride             | 2.36 | 62  | 49642  | 21.550  | ug/l | 97     |
| 5) Bromomethane               | 2.76 | 94  | 28336  | 20.022  | ug/l | 95     |
| 6) Chloroethane               | 2.92 | 64  | 25912  | 19.481  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 19355  | 19.367  | ug/l | 95     |
| 8) Diethyl Ether              | 3.68 | 74  | 25755  | 22.266  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 46528  | 20.999  | ug/l | 97     |
| 10) Methyl Iodide             | 4.27 | 142 | 75168  | 21.007  | ug/l | 98     |
| 11) Tert butyl alcohol        | 5.18 | 59  | 29889  | 186.282 | ug/l | 95     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 48836  | 20.861  | ug/l | 90     |
| 13) Acrolein                  | 3.89 | 56  | 22266  | 121.650 | ug/l | 99     |
| 14) Allyl chloride            | 4.66 | 41  | 73316  | 21.171  | ug/l | 96     |
| 15) Acrylonitrile             | 5.36 | 53  | 73021  | 139.645 | ug/l | 99     |
| 16) Acetone                   | 4.12 | 43  | 62051  | 106.613 | ug/l | 91     |
| 17) Carbon Disulfide          | 4.38 | 76  | 136528 | 20.906  | ug/l | 96     |
| 18) Methyl Acetate            | 4.67 | 43  | 38767  | 28.458  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 84058  | 24.397  | ug/l | 96     |
| 20) Methylene Chloride        | 4.92 | 84  | 55619  | 21.884  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 50994  | 20.455  | ug/l | 98     |
| 22) Diisopropyl ether         | 6.31 | 45  | 145518 | 21.759  | ug/l | 98     |
| 23) Vinyl Acetate             | 6.25 | 43  | 496889 | 123.820 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 84423  | 20.725  | ug/l | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 101461 | 136.237 | ug/l | 94     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 56984  | 23.292  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 55917  | 21.428  | ug/l | 100    |
| 28) Bromochloromethane        | 7.51 | 49  | 27516  | 18.683  | ug/l | 92     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 65094  | 154.140 | ug/l | 98     |
| 30) Chloroform                | 7.67 | 83  | 81157  | 20.318  | ug/l | 95     |
| 31) Cyclohexane               | 7.95 | 56  | 87983  | 20.253  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 67096  | 21.442  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 71549  | 20.918  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.25 | 43  | 45617  | 30.277  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.06 | 117 | 61583  | 20.784  | ug/l | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100719\  
 Data File : VW013462.D  
 Acq On : 07 Oct 2019 14:44  
 Operator : SY/VA  
 Sample : VW1007SBSD01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1007SBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 10/8/2019 1:30:33 PM

Quant Time: Oct 07 17:48:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100119S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 02 11:49:57 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 92075    | 20.440  | ug/l   | 98       |
| 40) Benzene                    | 8.32  | 78   | 200246   | 20.681  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 24031    | 26.402  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 54029    | 21.711  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 74587    | 26.252  | ug/l   | 97       |
| 44) Trichloroethene            | 9.09  | 130  | 57429    | 21.062  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 48869    | 21.021  | ug/l   | 97       |
| 46) Dibromomethane             | 9.46  | 93   | 26341    | 22.748  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.65  | 83   | 60219    | 21.125  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.43  | 41   | 36885    | 27.019  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 12035    | 667.020 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 210963   | 141.324 | ug/l   | 98       |
| 52) Toluene                    | 10.38 | 92   | 130066   | 20.826  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 65861    | 22.212  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 78313    | 21.784  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 40486    | 23.438  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 58866    | 25.318  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 69241    | 23.057  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 129741   | 135.843 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 148002   | 143.042 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 45624    | 23.087  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 40313    | 24.151  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 50438    | 20.960  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.66 | 112  | 135206   | 20.865  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 47545    | 21.542  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 247853   | 21.341  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.84 | 106  | 191144   | 42.639  | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 89089    | 21.494  | ug/l   | 96       |
| 70) Styrene                    | 12.18 | 104  | 154357   | 21.786  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 30137    | 25.185  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.46 | 105  | 247672   | 20.670  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 66623    | 26.126  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 50388    | 24.845  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 34481m   | 23.683  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 59221    | 20.583  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.80 | 91   | 285638   | 20.723  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 160266   | 20.934  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 206569   | 20.753  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 16996    | 26.939  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 166010   | 20.701  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 185009   | 21.280  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 206323   | 20.851  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 251364   | 20.970  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.49 | 119  | 232966   | 20.971  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 113202   | 20.913  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 113665   | 20.972  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 210462   | 21.014  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.09 | 117  | 39879    | 21.728  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 103963   | 21.726  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 9162     | 30.202  | ug/l   | 92       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100719\  
Data File : VW013462.D  
Acq On : 07 Oct 2019 14:44  
Operator : SY/VA  
Sample : VW1007SBSD01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBSD01

Manual Integrations  
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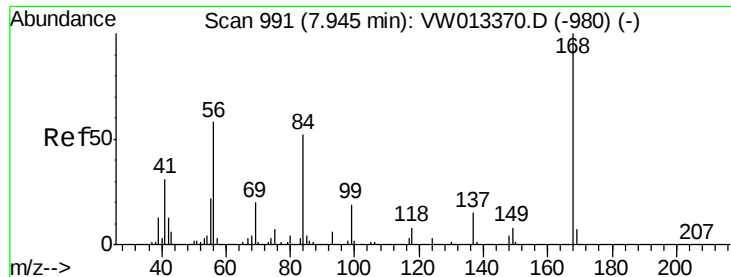
MMDadoda  
10/8/2019 1:30:33 PM

Quant Time: Oct 07 17:48:18 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W100119S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 02 11:49:57 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 75448    | 21.970 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 47839    | 21.445 | ug/l  | 98       |
| 95) Naphthalene            | 15.36 | 128  | 152068   | 26.250 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 67068    | 22.369 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleID :

VW1007SBS01

Tot Ion:168 Resp: 254303

Ion Ratio Lower Upper

168 100

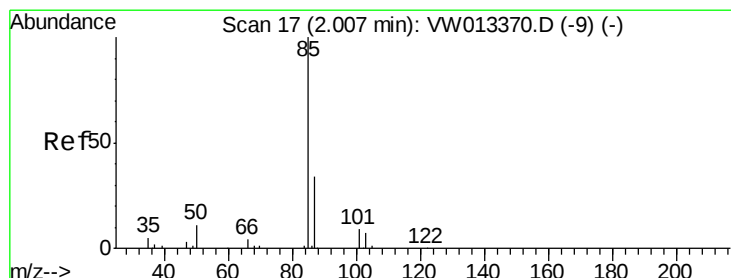
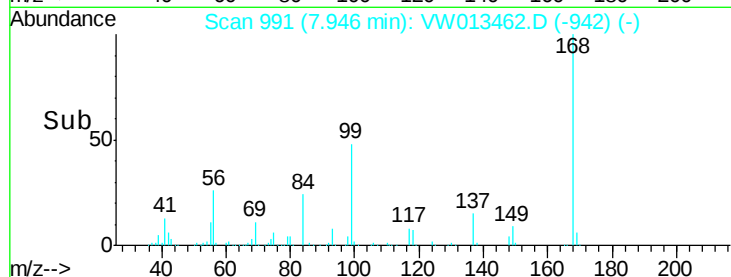
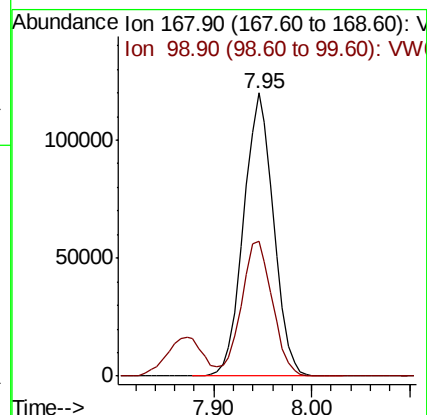
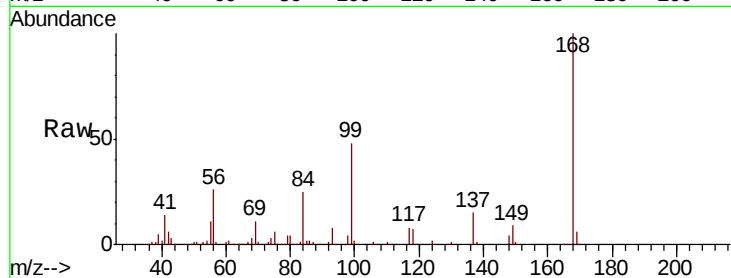
99 47.7 40.2 60.4

Manual Integrations

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10/8/2019 1:30:33 PM



#2

Dichlorodifluoromethane

Concen: 22.534 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013462.D

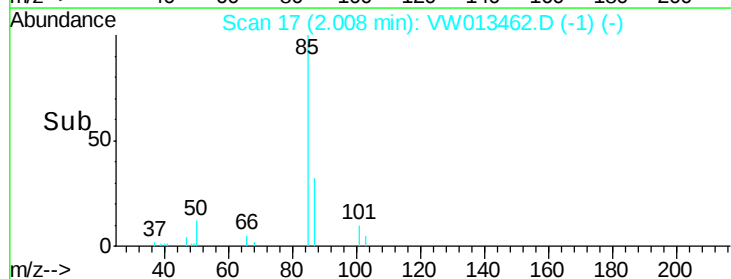
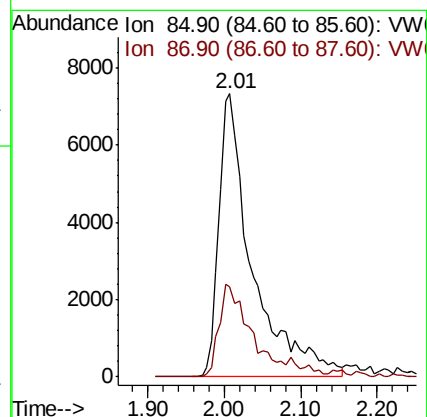
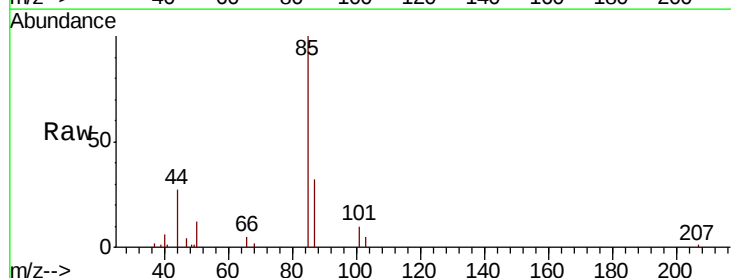
Acq: 07 Oct 2019 14:44

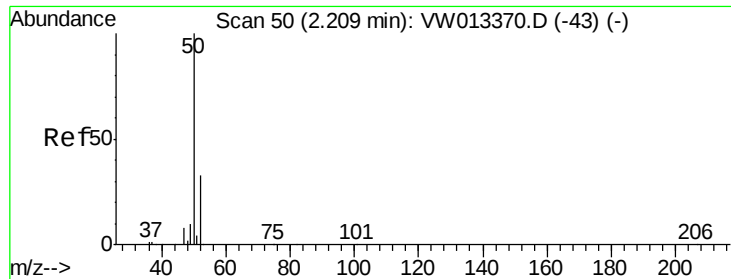
Tgt Ion: 85 Resp: 22165

Ion Ratio Lower Upper

85 100

87 31.9 15.1 45.3





#3

Chloromethane

Concen: 21.145 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleId :

VW1007SBSD01

Tot Ion: 50 Resp: 34321

Ion Ratio Lower Upper

50 100

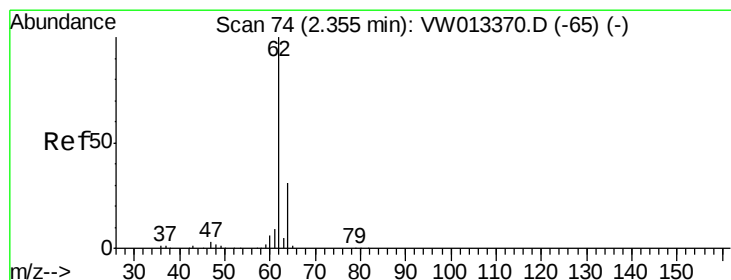
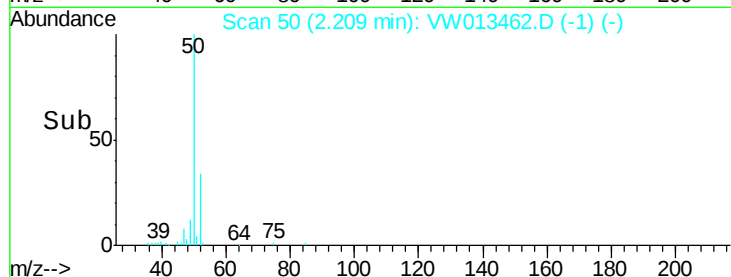
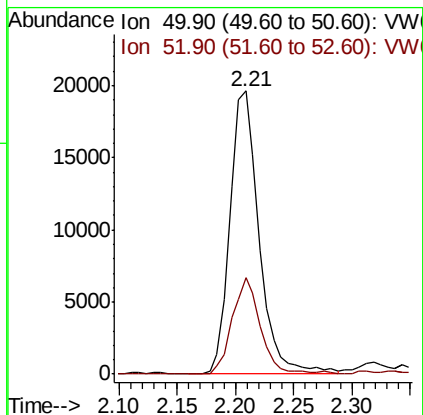
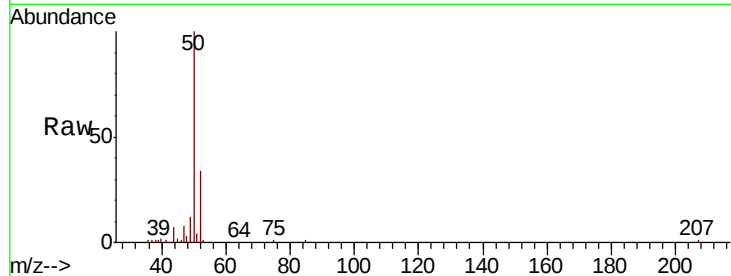
52 34.3 26.1 39.1

Manual Integrations

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10/8/2019 1:30:33 PM



#4

Vinyl Chloride

Concen: 21.550 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013462.D

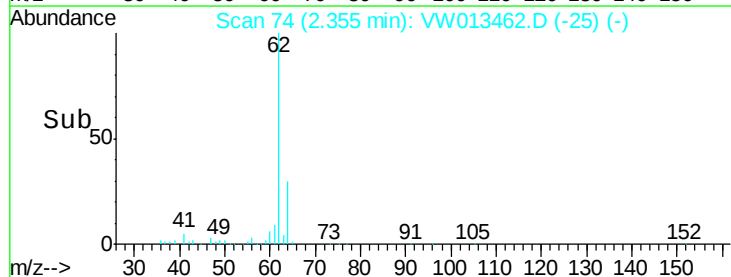
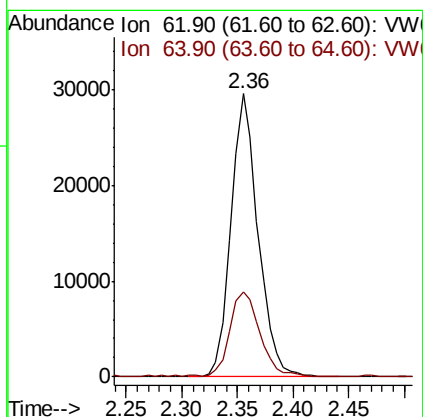
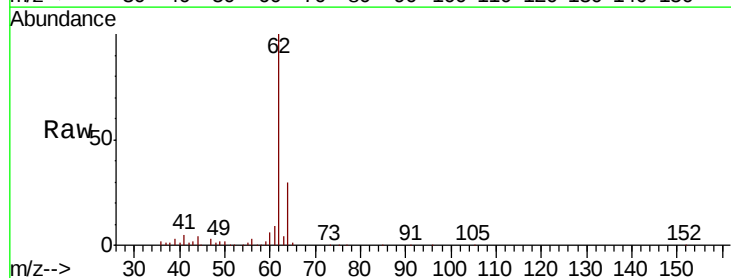
Acq: 07 Oct 2019 14:44

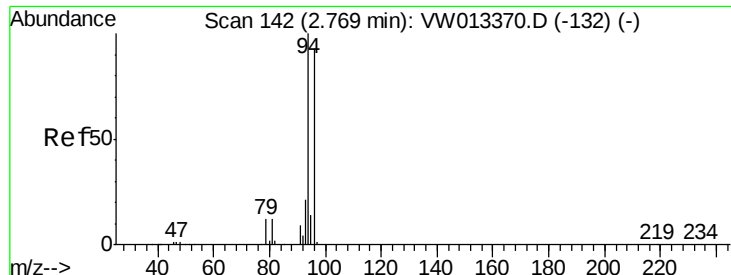
Tgt Ion: 62 Resp: 49642

Ion Ratio Lower Upper

62 100

64 29.7 25.3 37.9





#5

Bromomethane

Concen: 20.022 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleId :

VW1007SBSD01

Tot Ion: 94 Resp: 28336

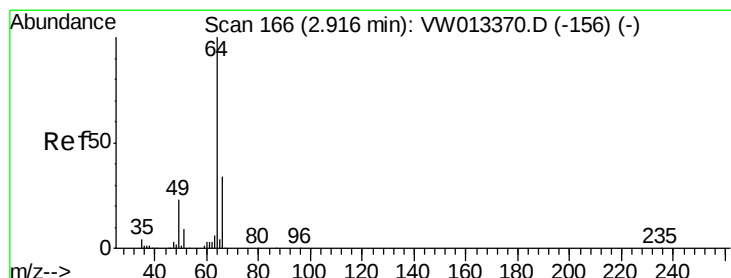
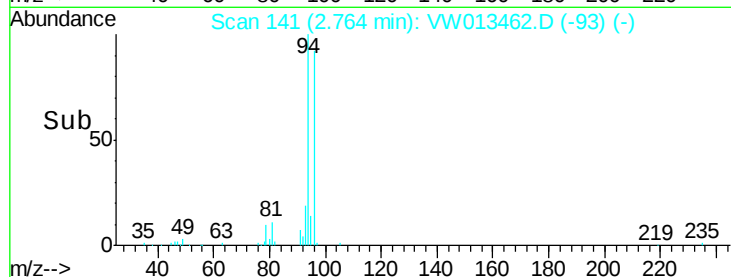
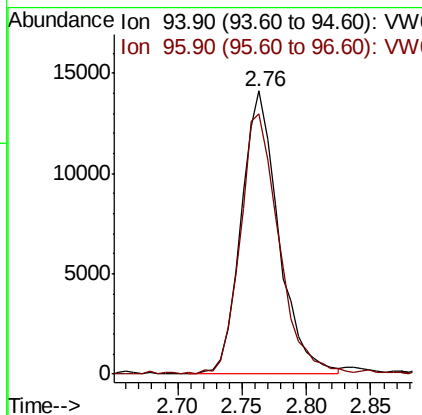
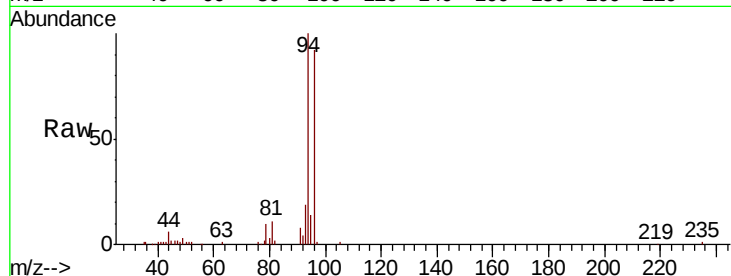
Ion Ratio Lower Upper

94 100

96 91.7 69.7 104.5

Manual Integrations  
APPROVED

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10/8/2019 1:30:33 PM



#6

Chloroethane

Concen: 19.481 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013462.D

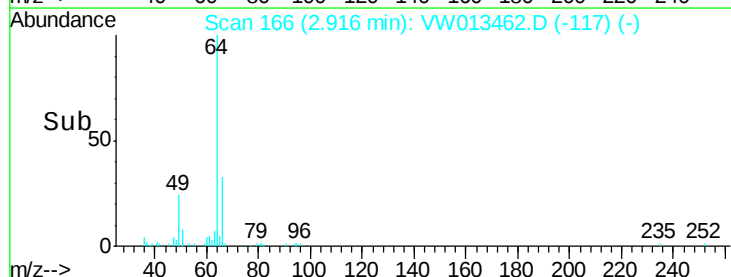
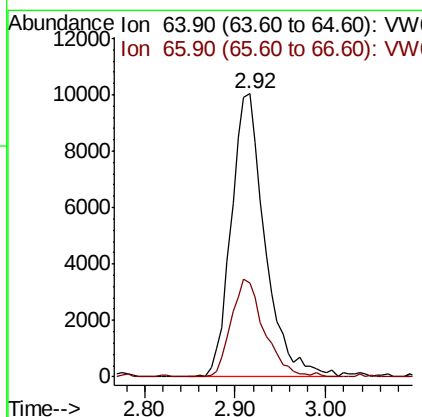
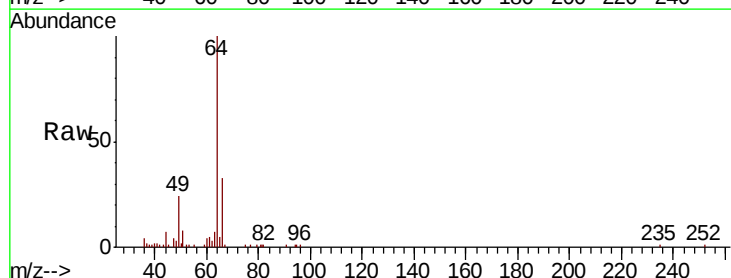
Acq: 07 Oct 2019 14:44

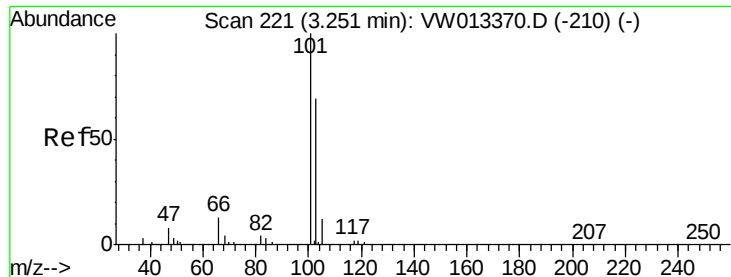
Tgt Ion: 64 Resp: 25912

Ion Ratio Lower Upper

64 100

66 33.4 26.6 39.8





#7

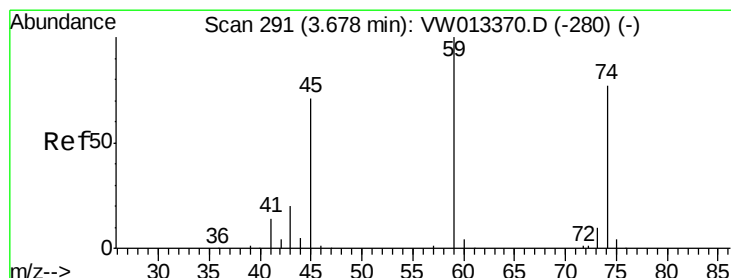
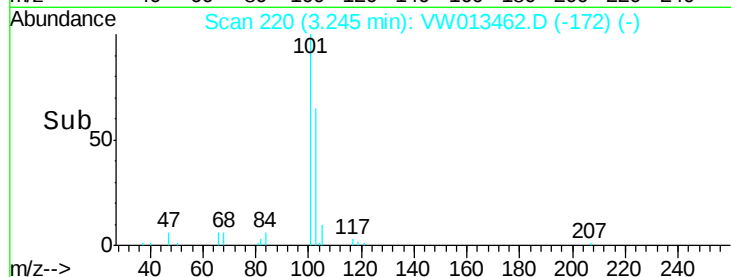
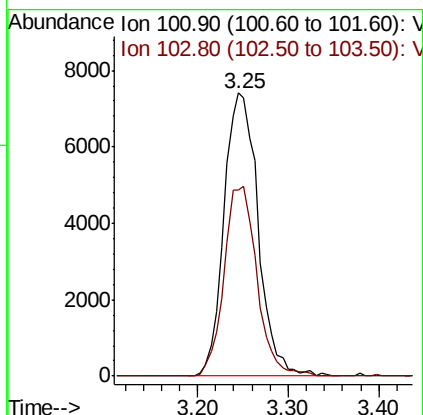
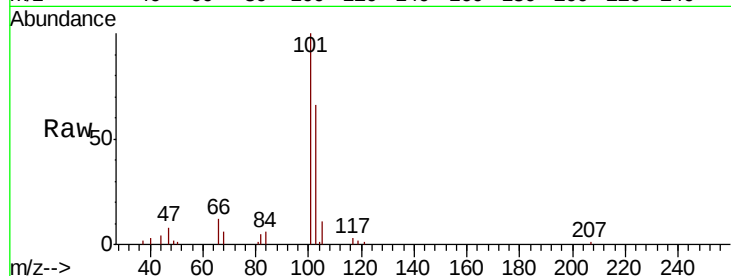
Trichlorofluoromethane  
Concen: 19.367 ug/l  
RT: 3.25 min Scan# 220  
Delta R.T. -0.01 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.7  | 49.7  | 74.5  |

Manual Integrations  
APPROVED

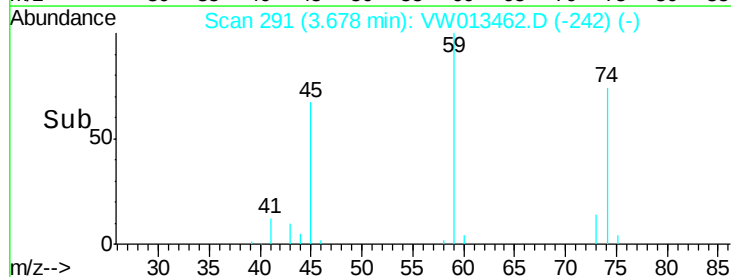
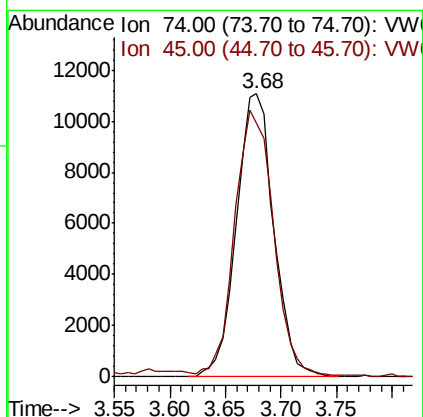
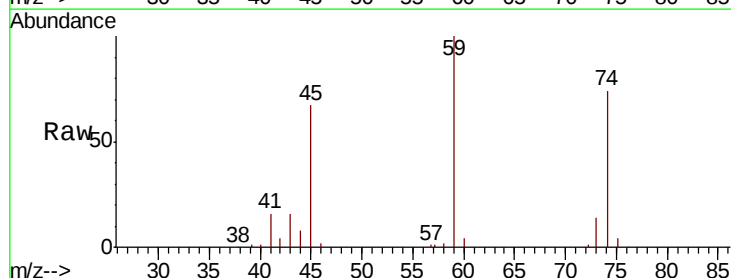
MMDadoda  
10/8/2019 1:30:33 PM

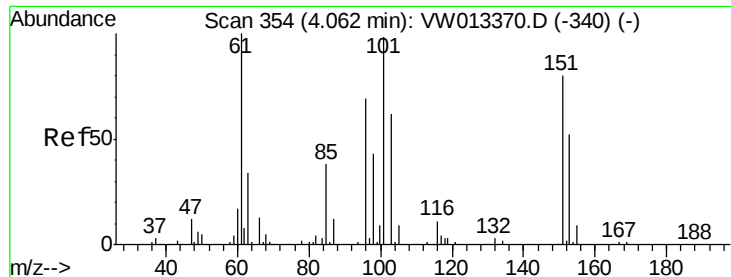


#8

Diethyl Ether  
Concen: 22.266 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 96.6  | 49.5  | 148.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.999 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

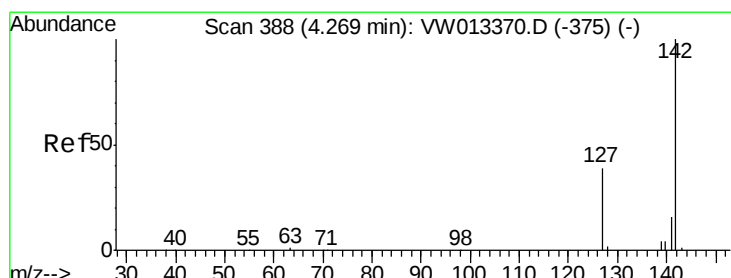
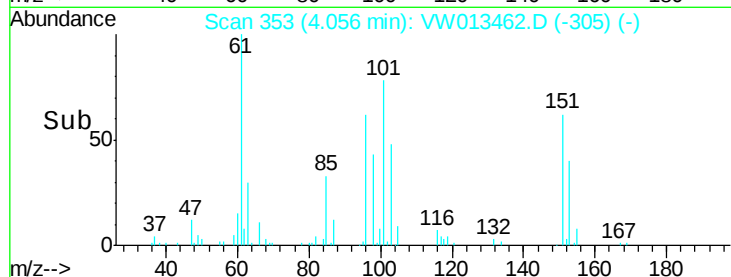
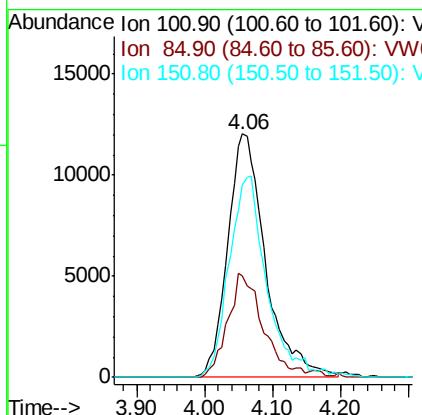
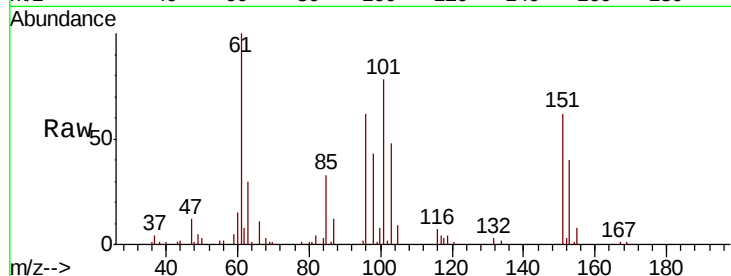
ClientSampleId :

VW1007SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 46528 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 40.0  | 33.4  | 50.0  |
| 151       | 81.0  | 66.9  | 100.3 |

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MMDadoda  
10/8/2019 1:30:33 PM



#10

Methyl Iodide

Concen: 21.007 ug/l

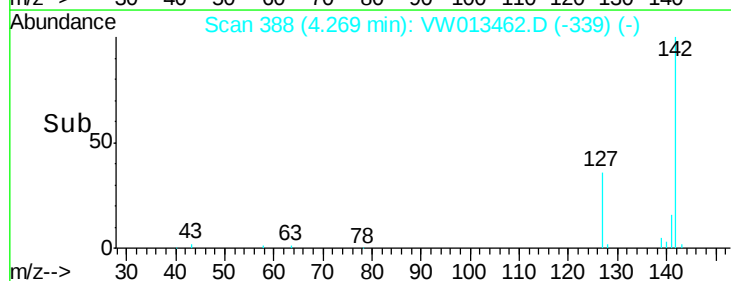
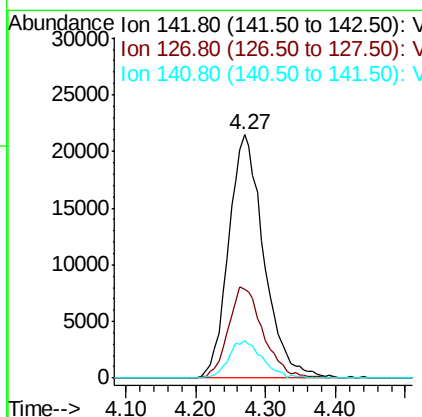
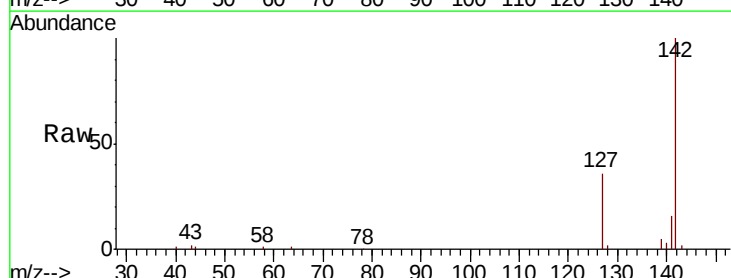
RT: 4.27 min Scan# 388

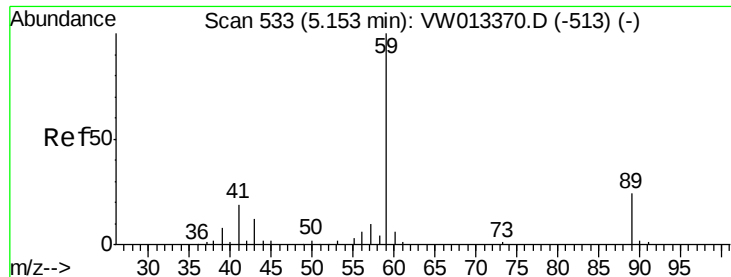
Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 75168 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 37.1  | 30.9  | 46.3  |
| 141       | 14.8  | 11.7  | 17.5  |





#11

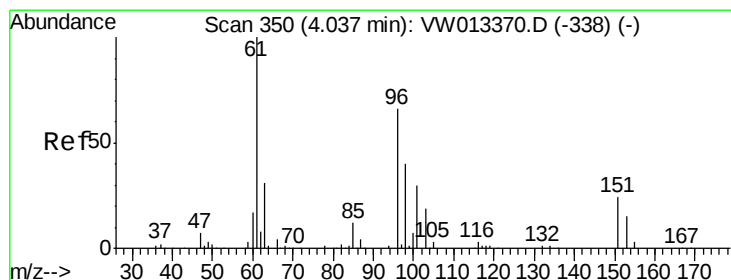
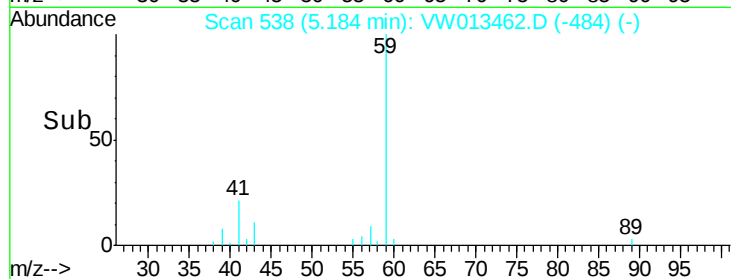
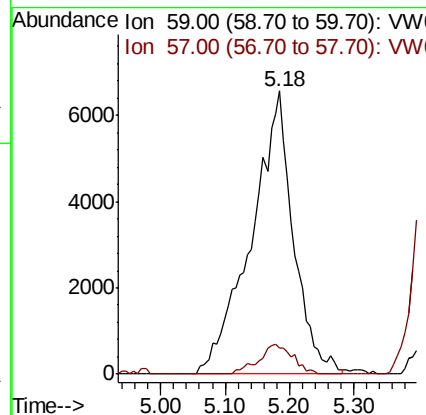
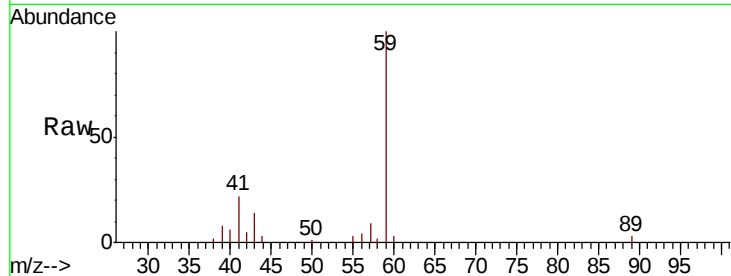
Tert butyl alcohol  
 Concen: 186.282 ug/l  
 RT: 5.18 min Scan# 538  
 Delta R.T. 0.03 min  
 Lab File: VW013462.D  
 Acq: 07 Oct 2019 14:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1007SBS01

| Tot Ion | 59 | 57 | Ratio | 100 | 8.4 | Resp: | 29889 | Lower | 8.2 | Upper | 12.2 |
|---------|----|----|-------|-----|-----|-------|-------|-------|-----|-------|------|
|         |    |    |       |     |     |       |       |       |     |       |      |

Manual Integrations  
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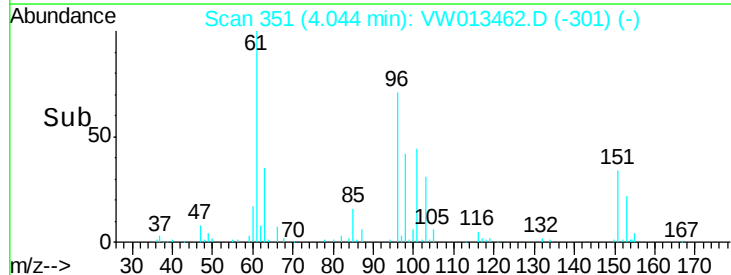
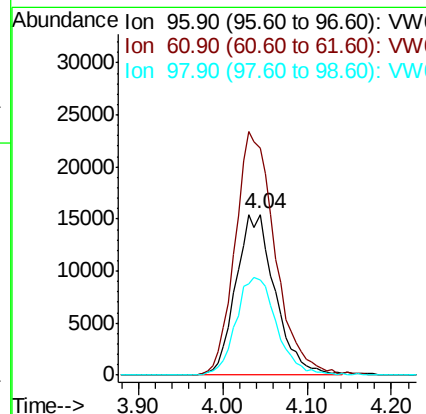
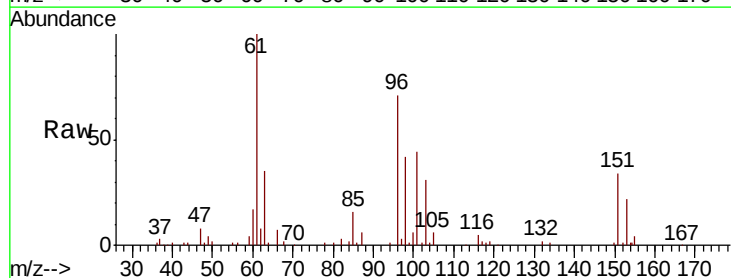
MMDadoda  
 10/8/2019 1:30:33 PM

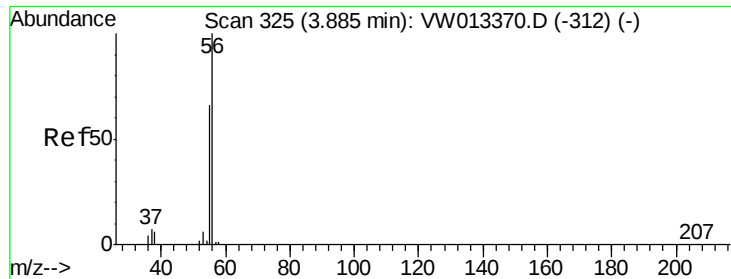


#12

1,1-Dichloroethene  
 Concen: 20.861 ug/l  
 RT: 4.04 min Scan# 351  
 Delta R.T. 0.01 min  
 Lab File: VW013462.D  
 Acq: 07 Oct 2019 14:44

| Tgt Ion | 96 | 61 | 98 | Ratio | 100 | 141.2 | 59.0 | Resp: | 48836 | Lower | 125.1 | 50.8 | Upper | 187.7 | 76.2 |
|---------|----|----|----|-------|-----|-------|------|-------|-------|-------|-------|------|-------|-------|------|
|         |    |    |    |       |     |       |      |       |       |       |       |      |       |       |      |





#13

Acrolein

Concen: 121.650 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleID :

VW1007SBS01

Tot Ion: 56 Resp: 22266

Ion Ratio Lower Upper

56 100

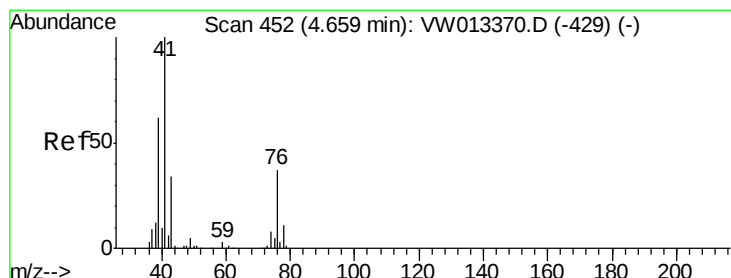
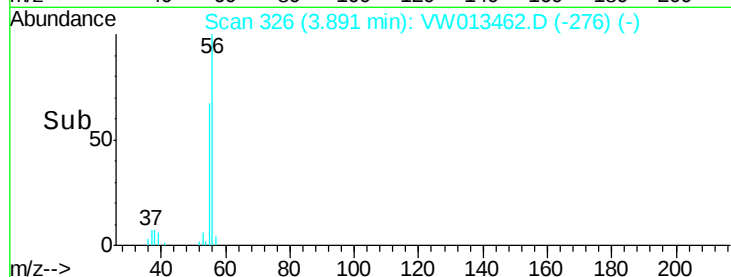
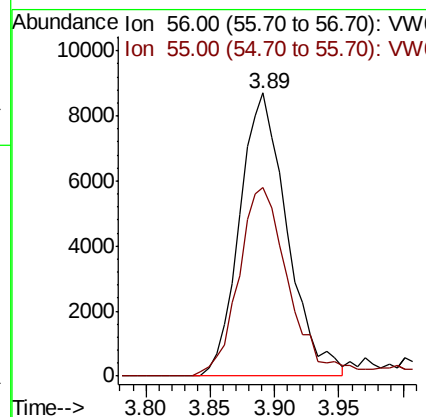
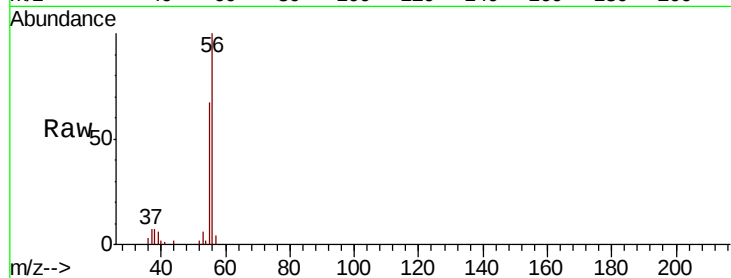
55 70.3 55.4 83.0

Manual Integrations

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MMDadoda

10/8/2019 1:30:33 PM



#14

Allyl chloride

Concen: 21.171 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

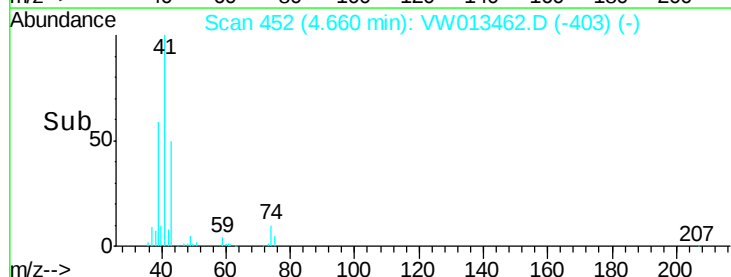
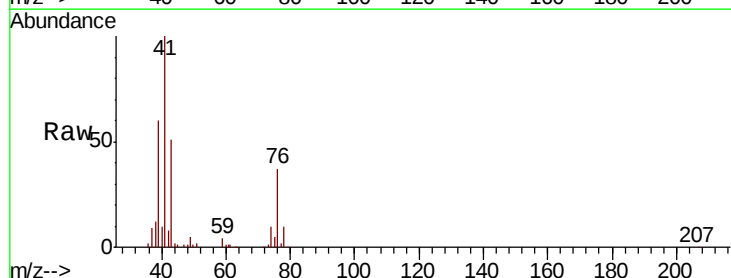
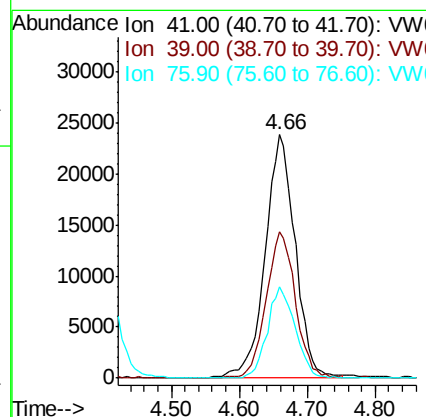
Tgt Ion: 41 Resp: 73316

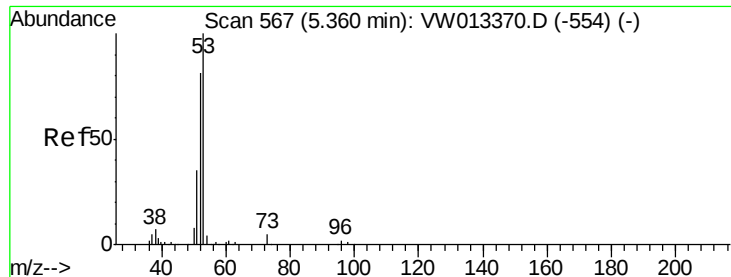
Ion Ratio Lower Upper

41 100

39 58.8 51.0 76.4

76 34.8 28.4 42.6





#15

Acrylonitrile

Concen: 139.645 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

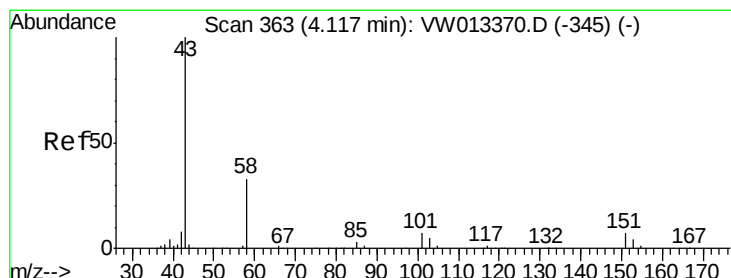
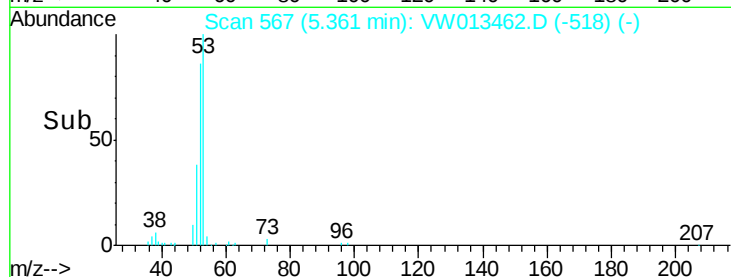
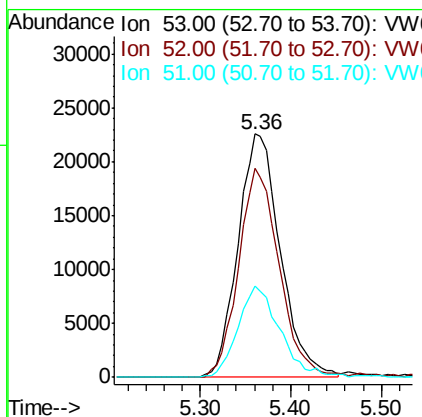
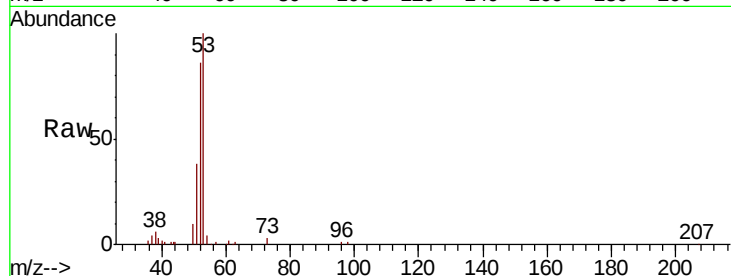
ClientSampleId :

VW1007SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 73021 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.4  | 65.3  | 97.9  |
| 51       | 37.2  | 29.0  | 43.4  |

Manual Integrations  
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10/8/2019 1:30:33 PM



#16

Acetone

Concen: 106.613 ug/l

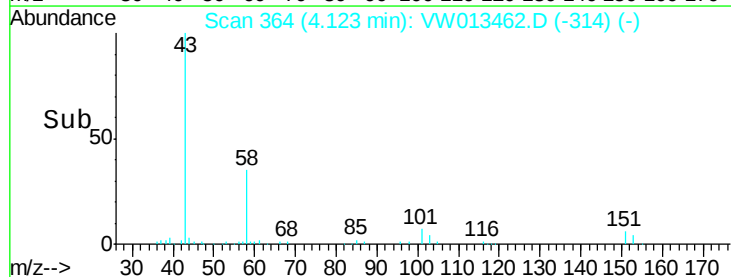
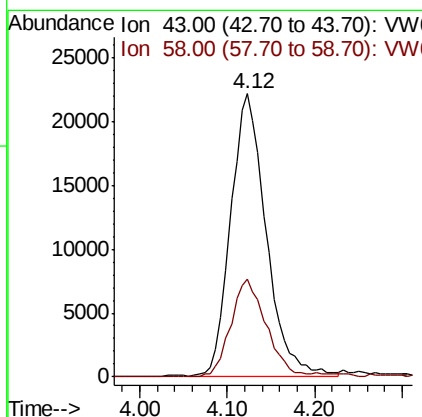
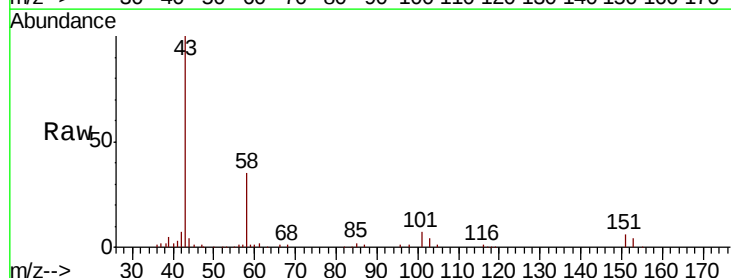
RT: 4.12 min Scan# 364

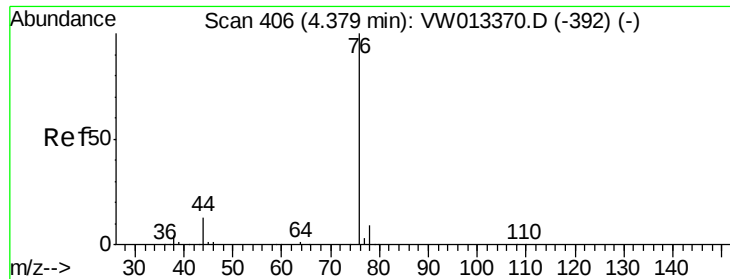
Delta R.T. 0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 62051 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 34.8  | 24.1  | 36.1  |





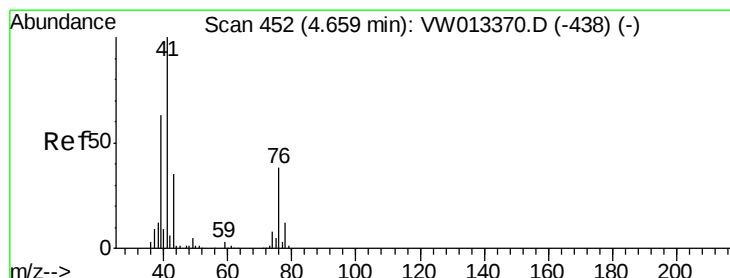
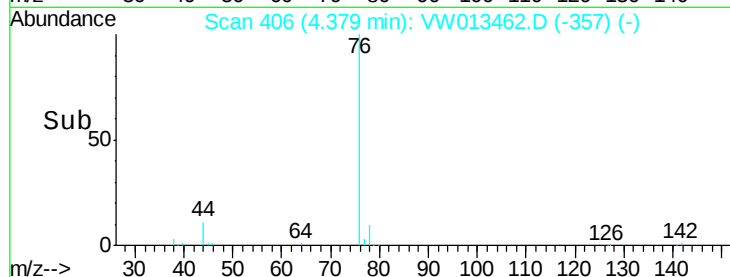
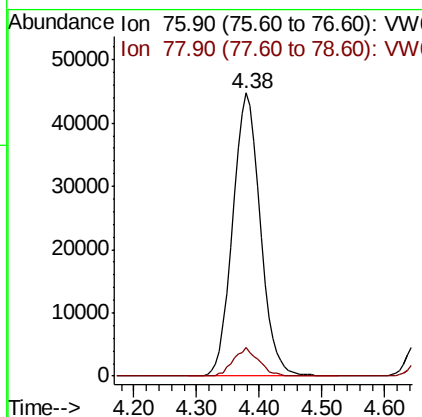
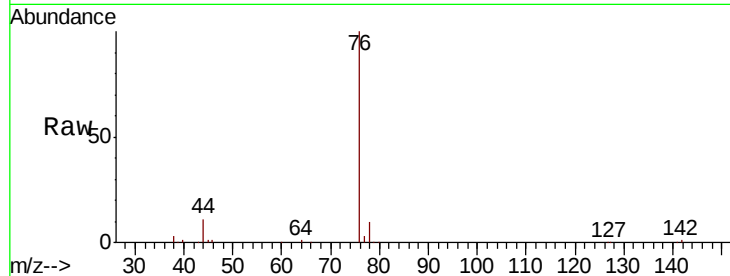
#17  
Carbon Disulfide  
Concen: 20.906 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 10.3  | 7.0   | 10.4  |

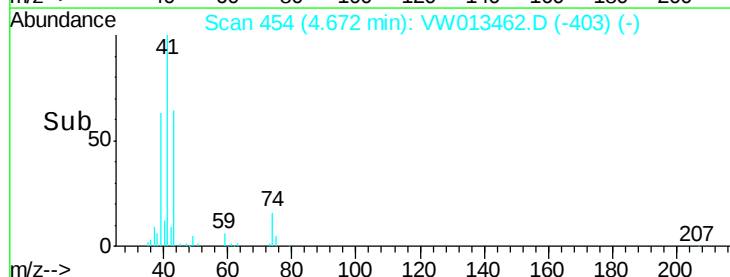
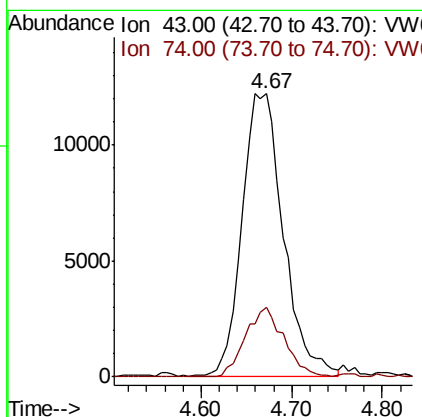
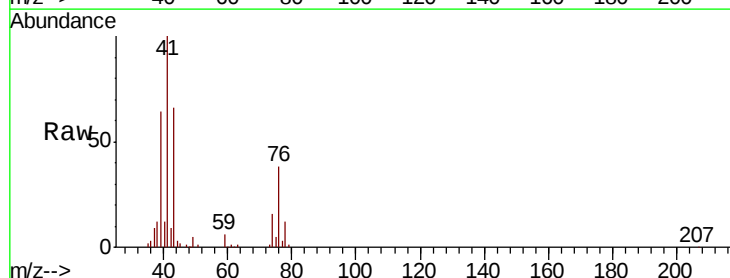
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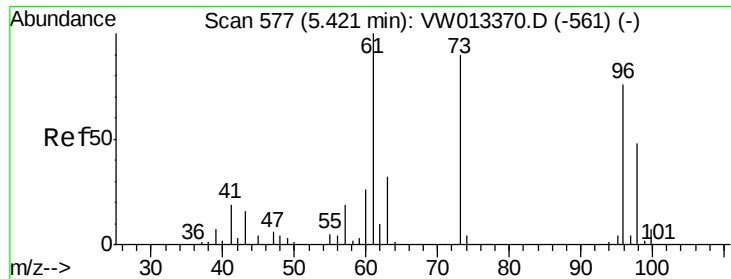
MMDadoda  
10/8/2019 1:30:33 PM



#18  
Methyl Acetate  
Concen: 28.458 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.7  | 19.3  | 28.9  |





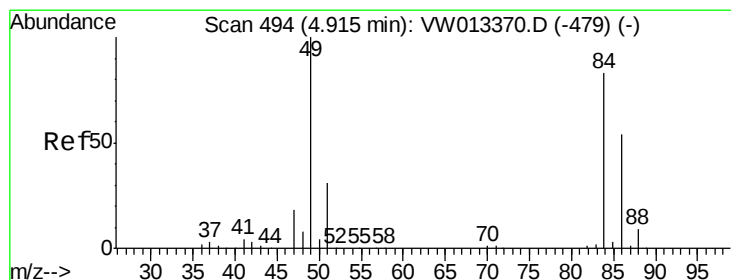
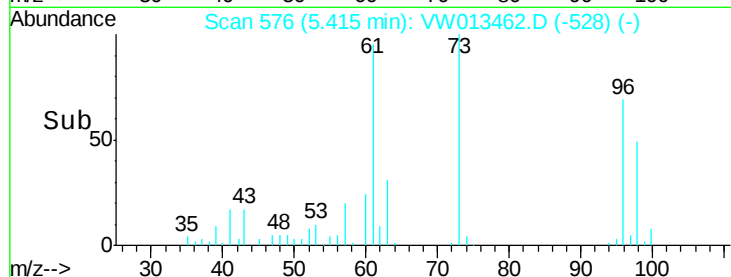
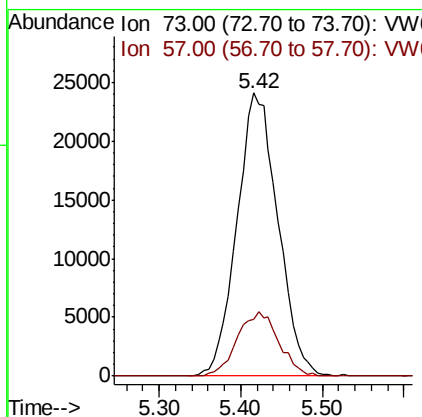
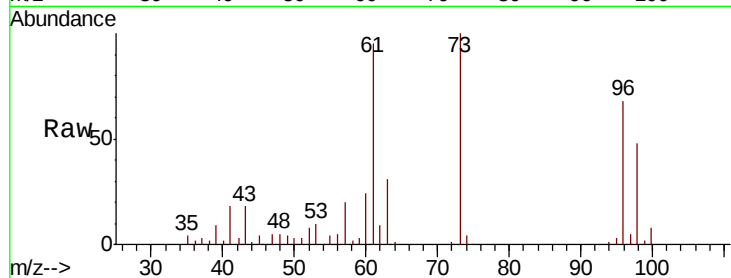
#19  
Methyl tert-butyl Ether  
Concen: 24.397 ug/l  
RT: 5.42 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

Tot Ion: 73 Resp: 84058  
Ion Ratio Lower Upper  
73 100  
57 19.9 17.6 26.4

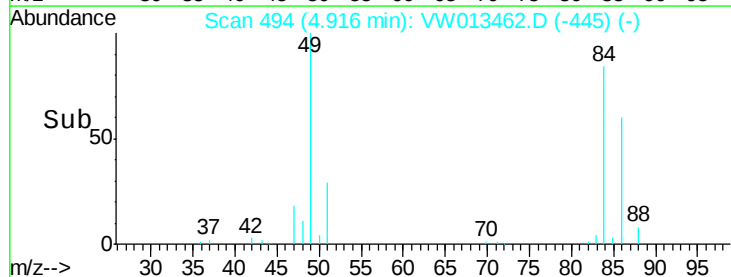
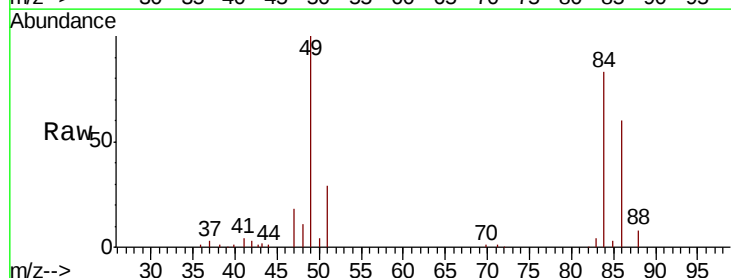
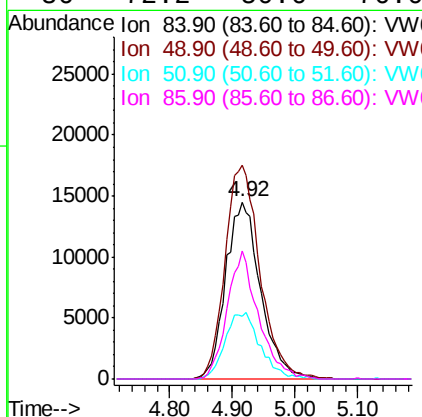
Manual Integrations  
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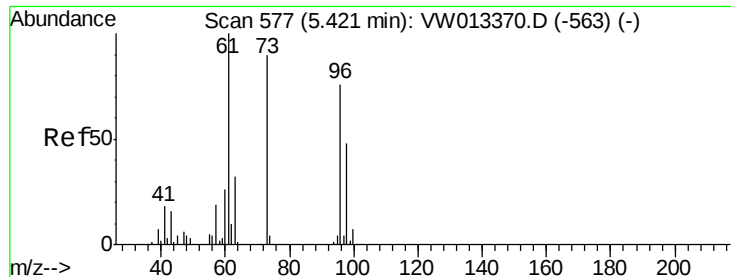
MMDadoda  
10/8/2019 1:30:33 PM



#20  
Methylene Chloride  
Concen: 21.884 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Tgt Ion: 84 Resp: 55619  
Ion Ratio Lower Upper  
84 100  
49 120.5 97.6 146.4  
51 35.1 30.2 45.2  
86 72.2 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.455 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

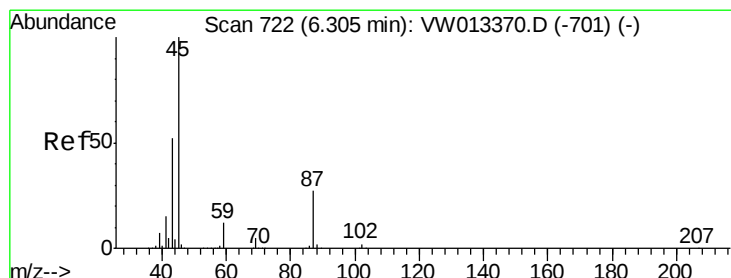
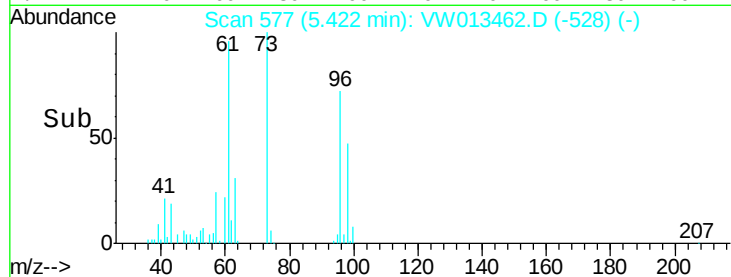
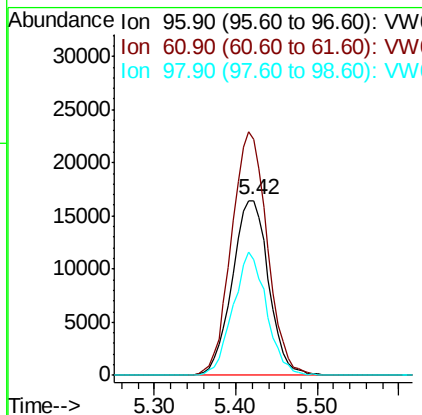
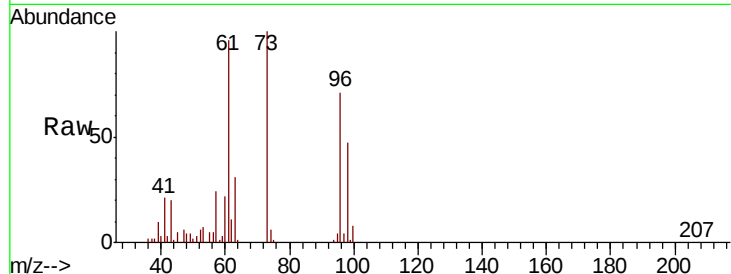
ClientSampleId :

VW1007SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 50994 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 134.5 | 106.6 | 159.8 |
| 98       | 65.7  | 49.8  | 74.8  |

Manual Integrations  
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MMDadoda  
10/8/2019 1:30:33 PM



#22

Diisopropyl ether

Concen: 21.759 ug/l

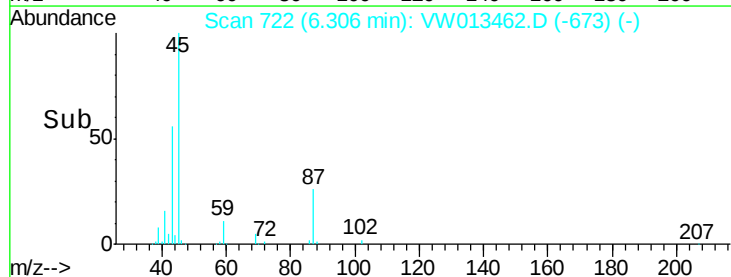
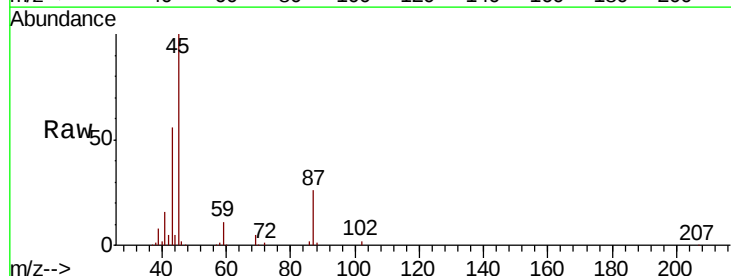
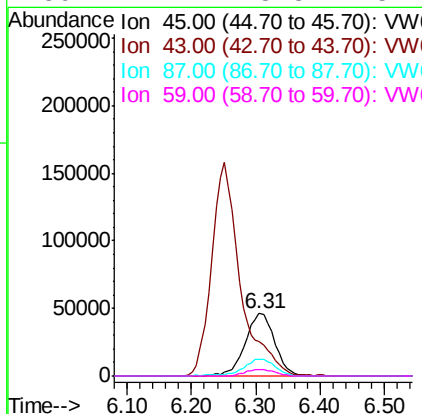
RT: 6.31 min Scan# 722

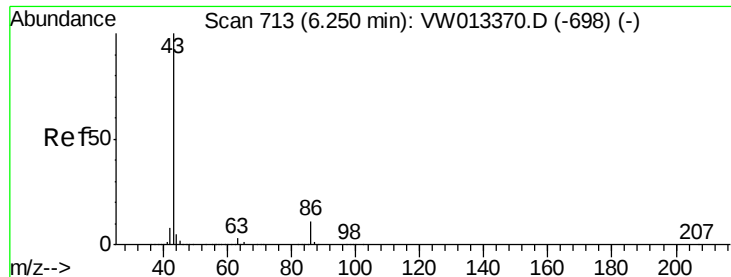
Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 145518 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 55.1  | 42.4  | 63.6   |
| 87       | 26.2  | 20.4  | 30.6   |
| 59       | 11.1  | 8.8   | 13.2   |





#23

Vinyl Acetate

Concen: 123.820 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampled :

VW1007SBS01

Tot Ion: 43 Resp: 496889

Ion Ratio Lower Upper

43 100

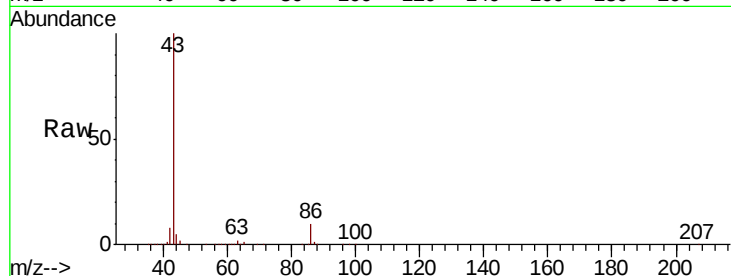
86 10.4 8.3 12.5

Manual Integrations

APPROVED

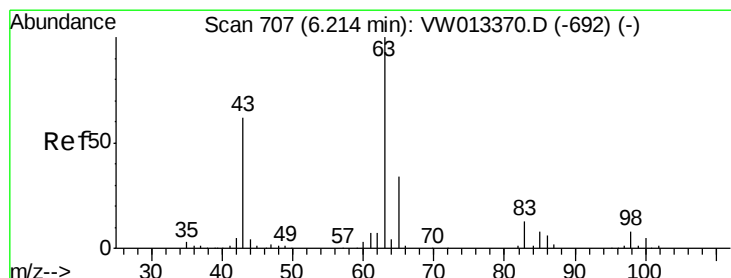
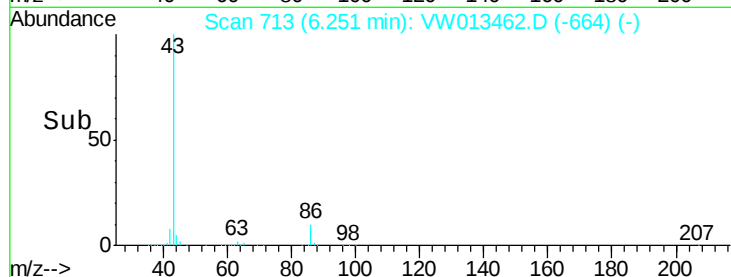
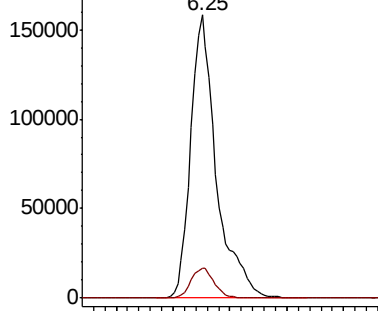
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.725 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

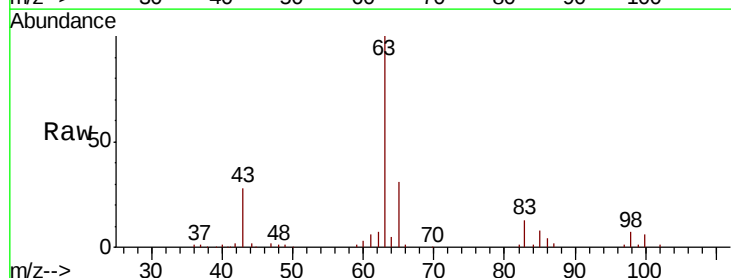
Tgt Ion: 63 Resp: 84423

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

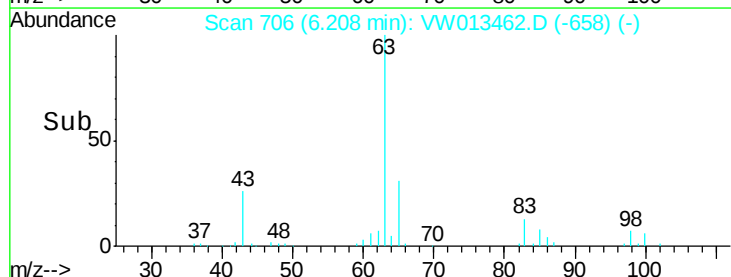
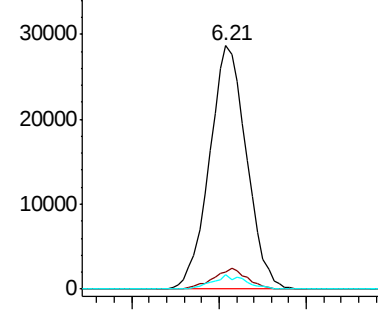
100 5.8 2.4 7.1

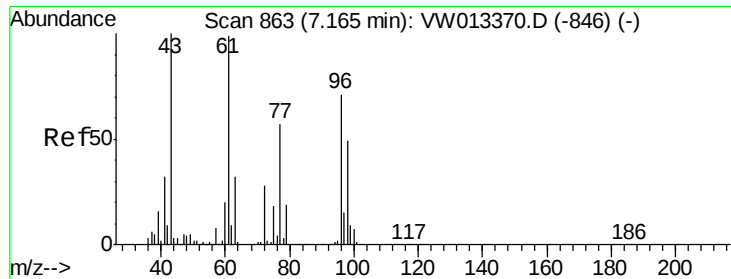


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 136.237 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleId :

VW1007SBS01

Tot Ion: 43 Resp: 101461

Ion Ratio Lower Upper

43 100

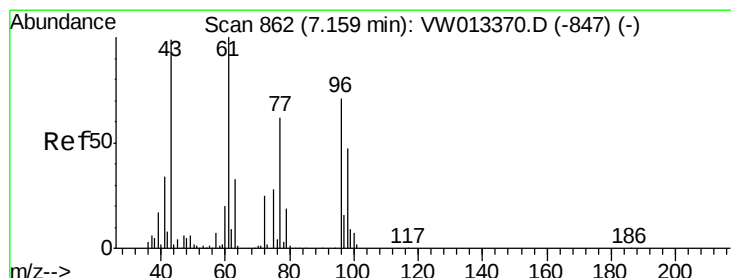
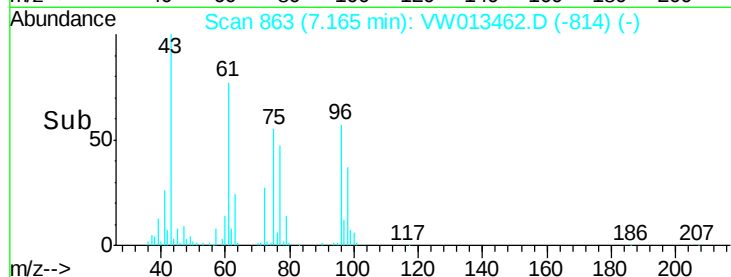
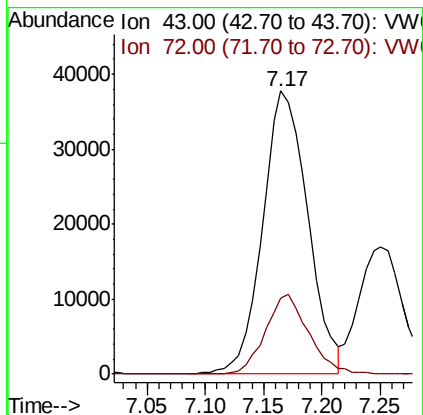
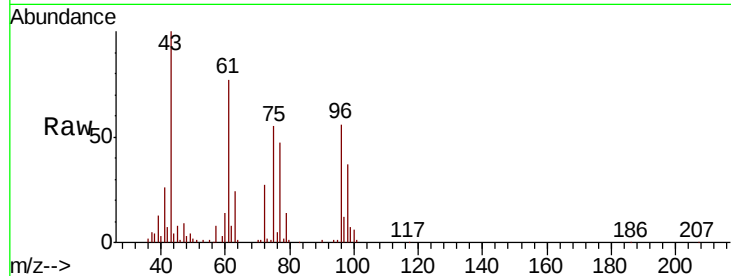
72 26.9 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.292 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013462.D

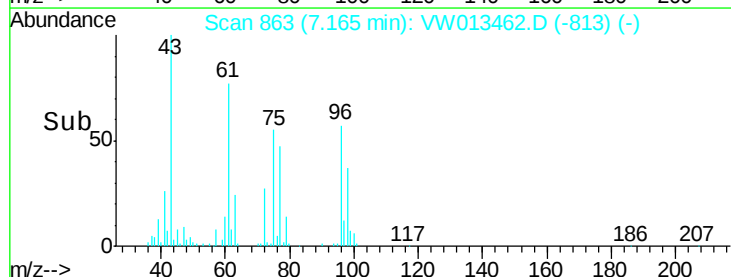
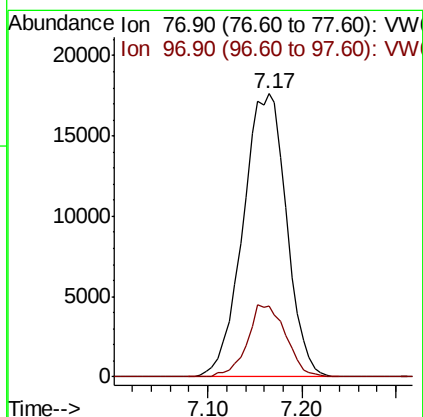
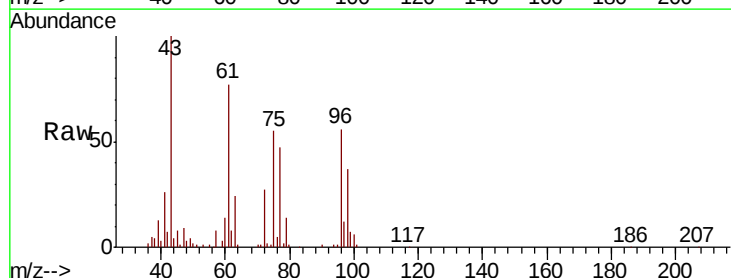
Acq: 07 Oct 2019 14:44

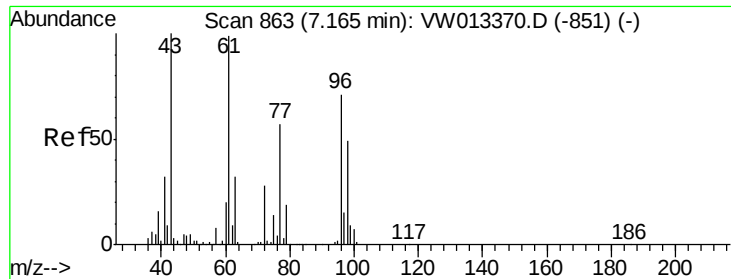
Tgt Ion: 77 Resp: 56984

Ion Ratio Lower Upper

77 100

97 22.6 11.8 35.4





#27

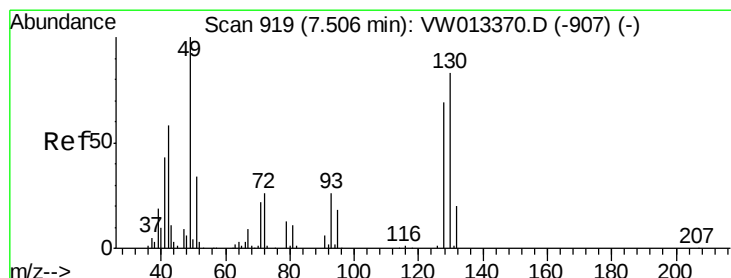
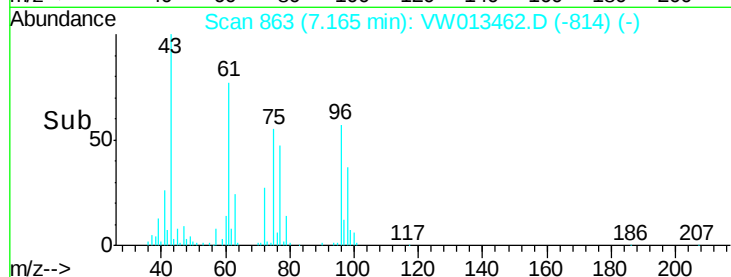
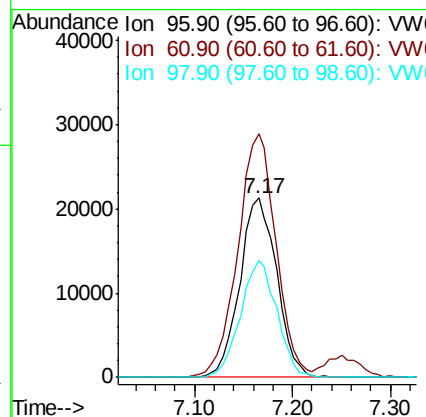
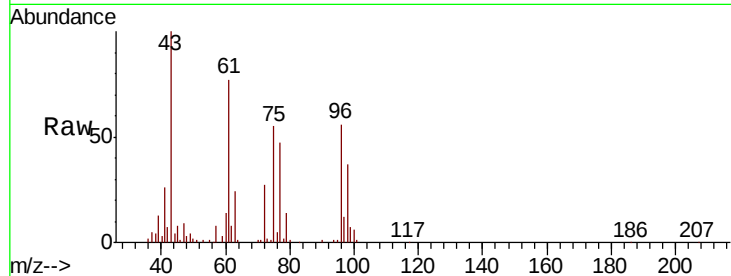
cis-1,2-Dichloroethene  
Concen: 21.428 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 55917 |       |       |
| 61      | 140.6 |       | 0.0   | 282.4 |
| 98      | 64.2  |       | 0.0   | 128.2 |

Manual Integrations  
APPROVED

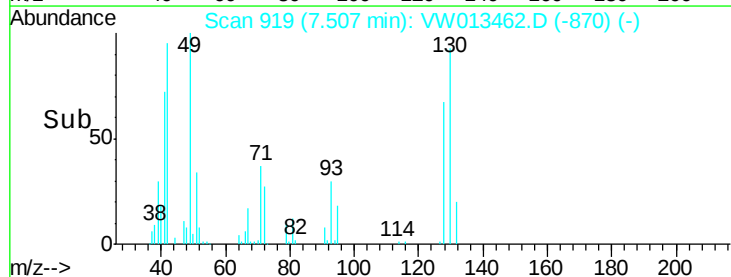
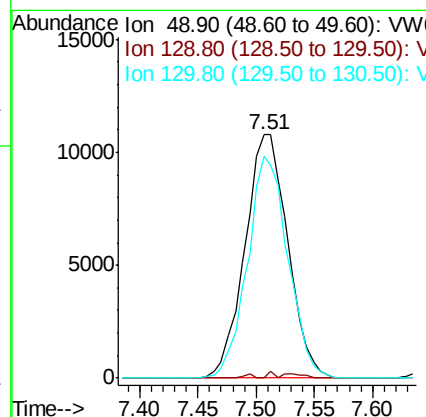
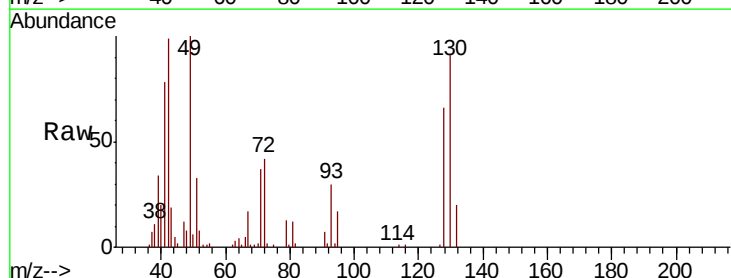
MMDadoda  
10/8/2019 1:30:33 PM

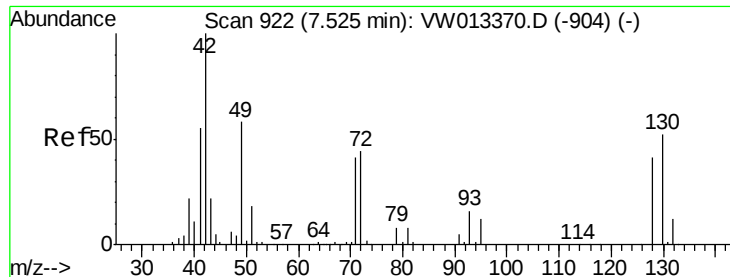


#28

Bromochloromethane  
Concen: 18.683 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 27516 |       |       |
| 129     | 0.4   |       | 0.0   | 1.0   |
| 130     | 86.1  |       | 63.4  | 95.2  |





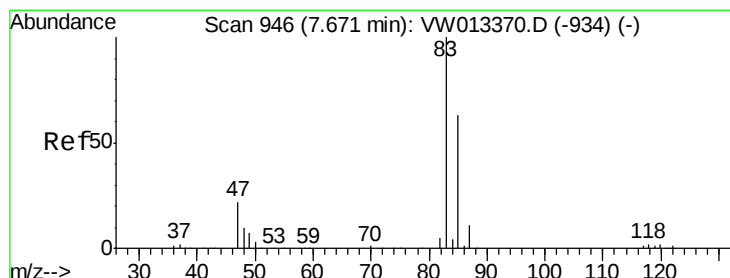
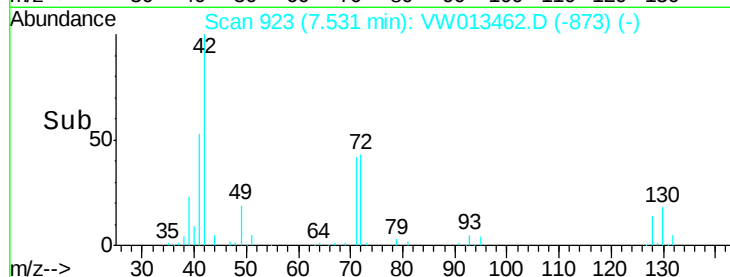
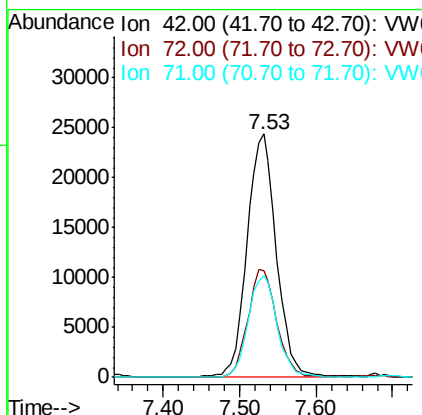
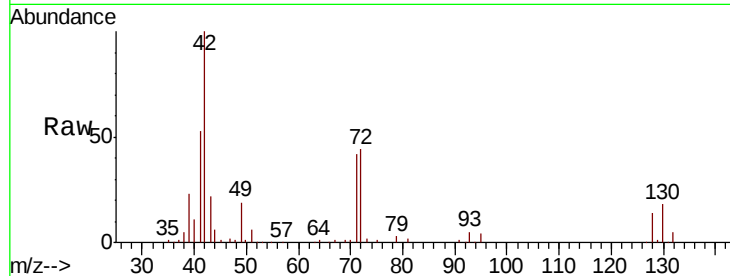
#29  
Tetrahydrofuran  
Concen: 154.140 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.5  | 33.9  | 50.9  |
| 71      | 41.2  | 31.9  | 47.9  |

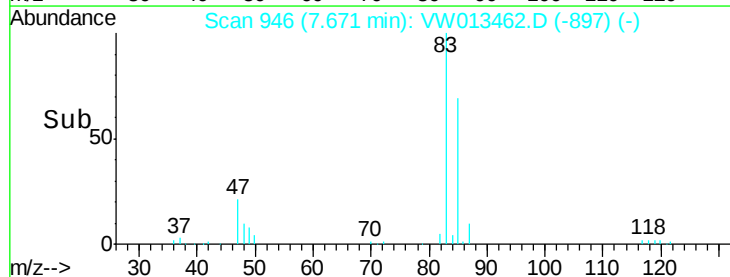
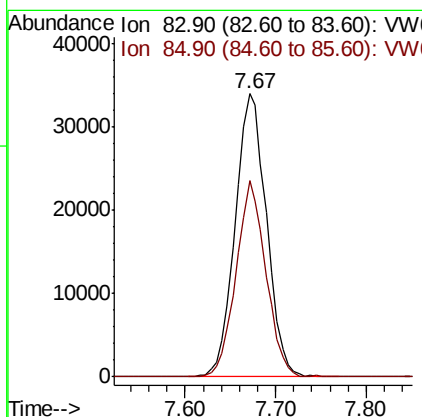
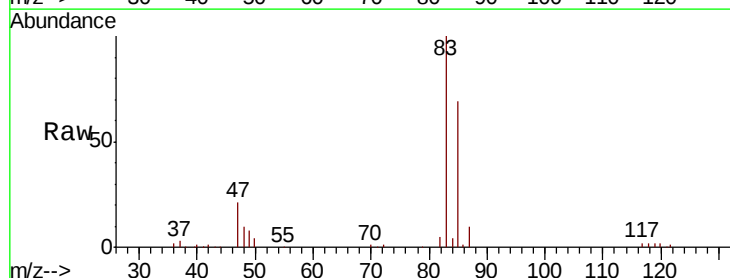
Manual Integrations  
APPROVED

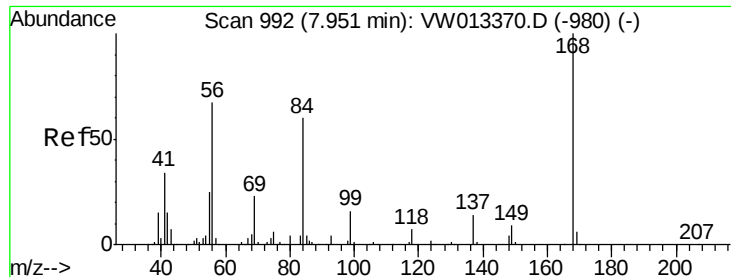
MMDadoda  
10/8/2019 1:30:33 PM



#30  
Chloroform  
Concen: 20.318 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 69.5  | 52.3  | 78.5  |





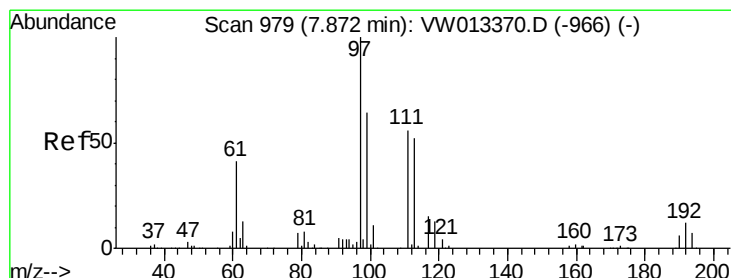
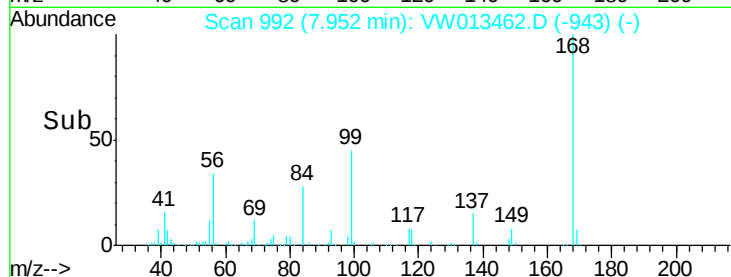
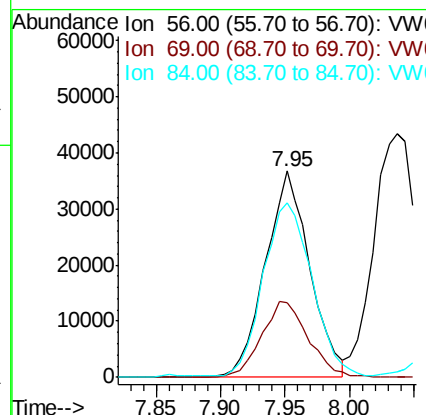
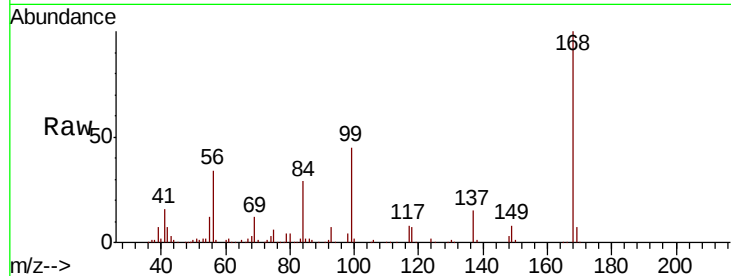
#31  
Cyclohexane  
Concen: 20.253 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 36.1  | 27.2  | 40.8  |
| 84      | 84.1  | 70.8  | 106.2 |

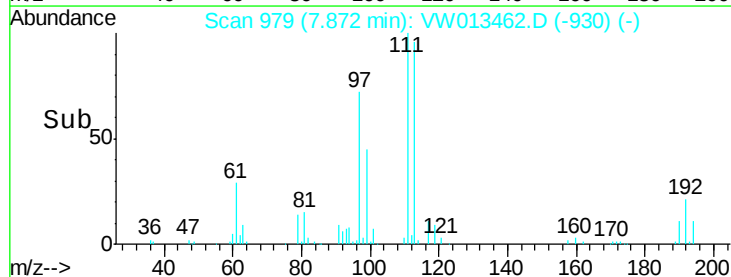
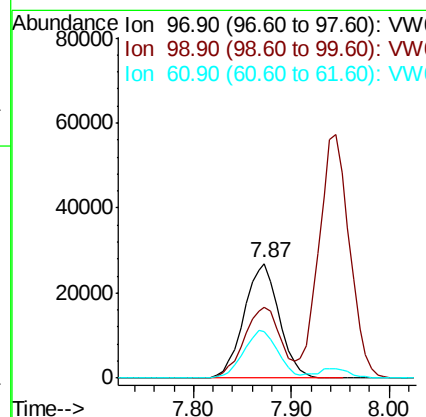
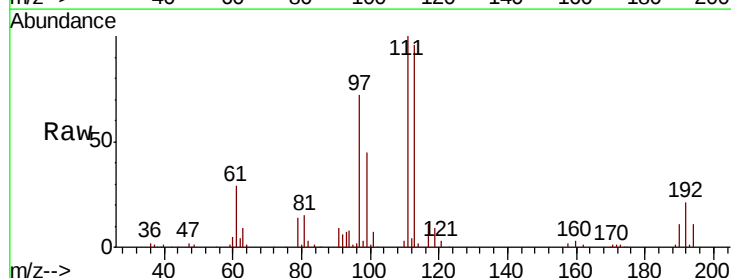
Manual Integrations  
APPROVED

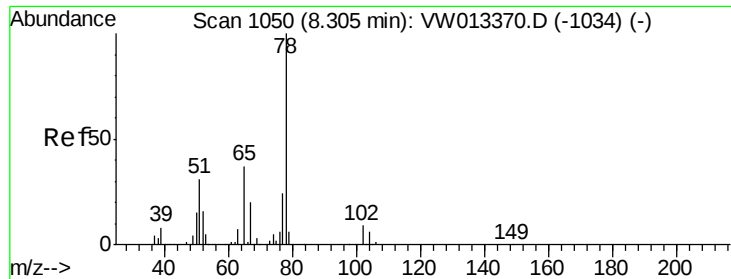
MMDadoda  
10/8/2019 1:30:33 PM



#32  
1,1,1-Trichloroethane  
Concen: 21.442 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.0  | 51.7  | 77.5  |
| 61      | 40.8  | 34.6  | 51.8  |





#33

1,2-Dichloroethane-d4

Concen: 55.640 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleId :

VW1007SBS01

Tot Ion: 65 Resp: 105650

Ion Ratio Lower Upper

65 100

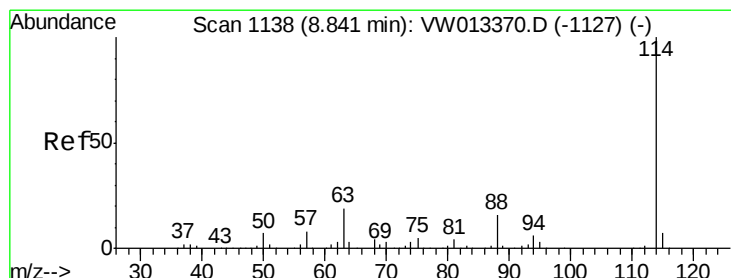
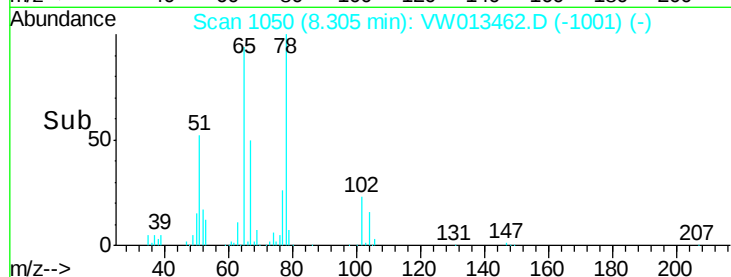
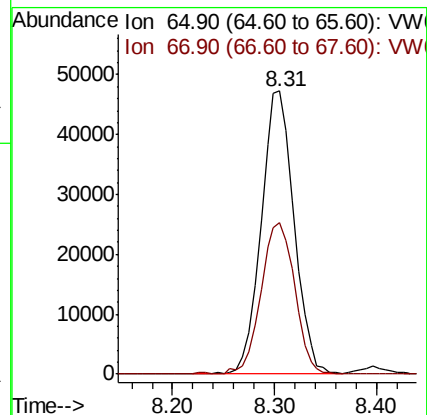
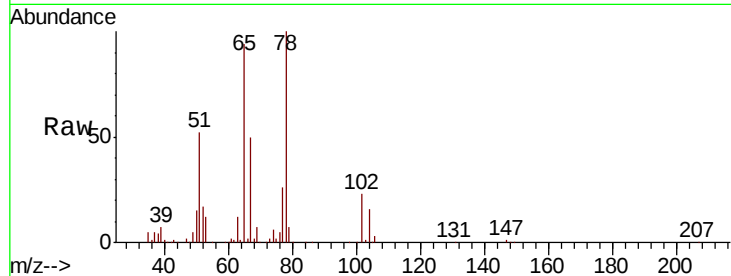
67 54.9 0.0 106.2

Manual Integrations

APPROVED

MMDadoda

10/8/2019 1:30:33 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

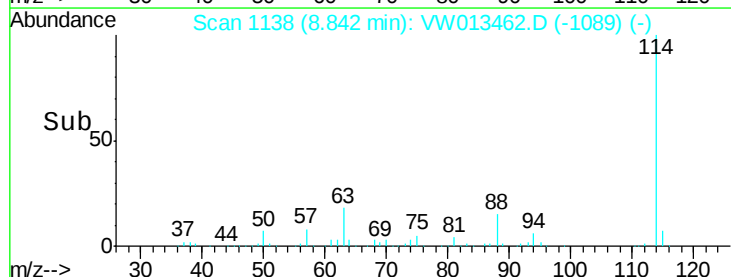
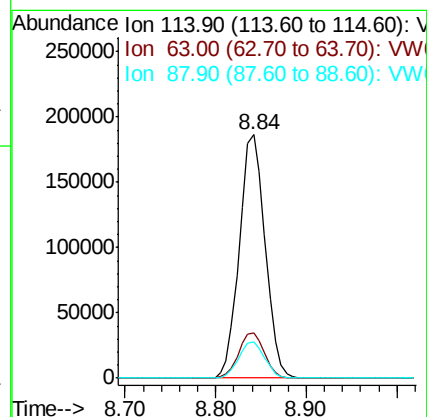
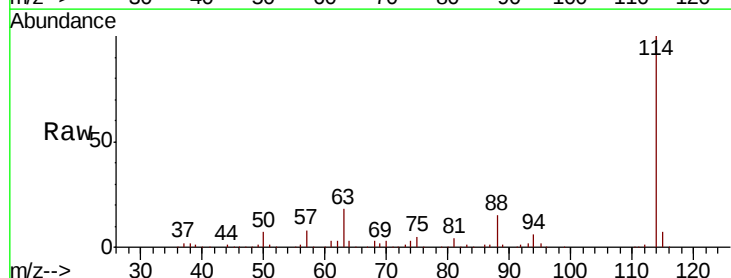
Tgt Ion: 114 Resp: 368264

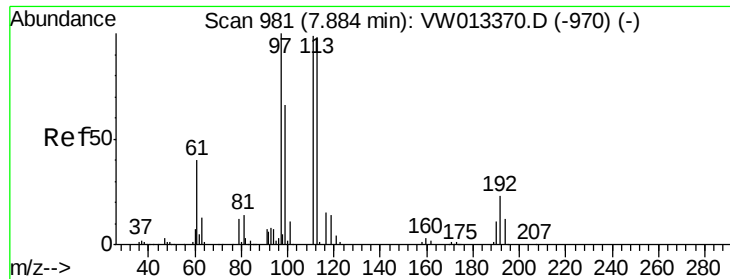
Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.4

88 14.9 0.0 32.0





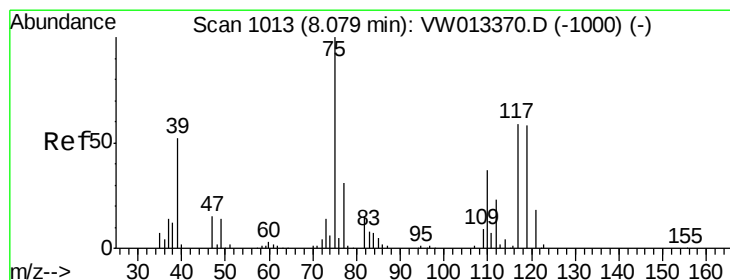
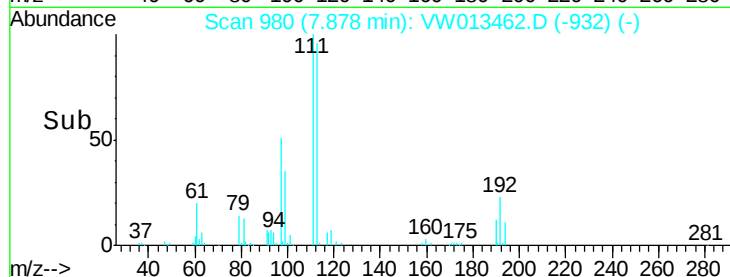
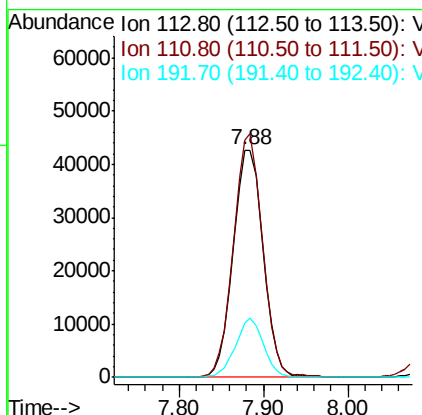
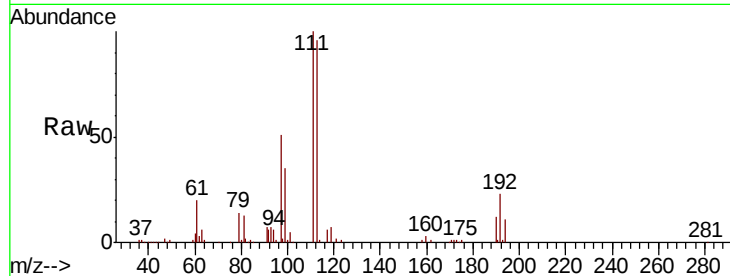
#35  
Dibromofluoromethane  
Concen: 53.430 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 81.9  | 122.9 |
| 192     | 24.3  | 19.1  | 28.7  |

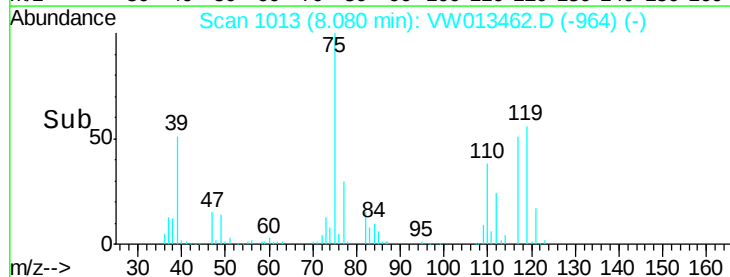
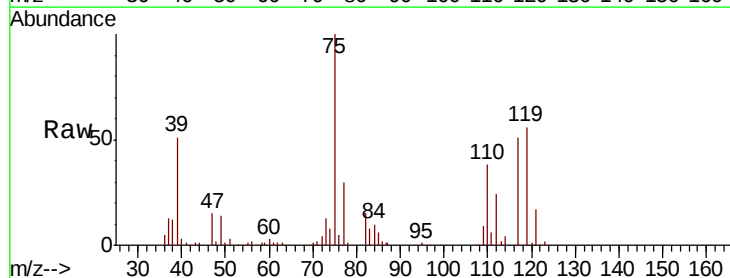
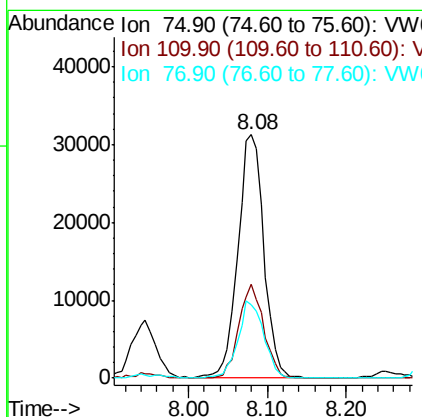
Manual Integrations  
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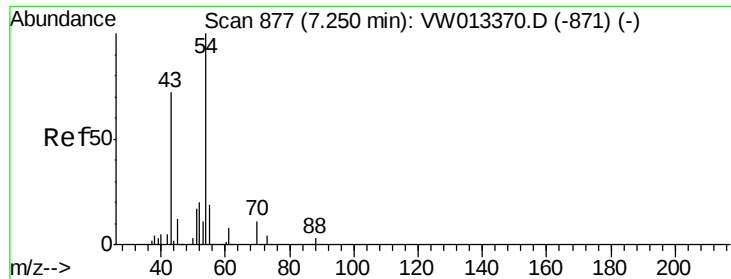
MMDadoda  
10/8/2019 1:30:33 PM



#36  
1,1-Dichloropropene  
Concen: 20.918 ug/l  
RT: 8.08 min Scan# 1013  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.9  | 18.1  | 54.3  |
| 77      | 31.5  | 25.8  | 38.6  |





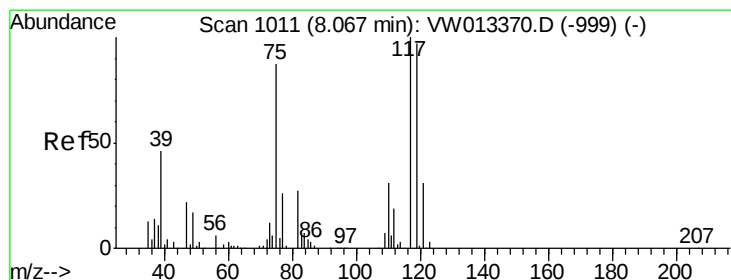
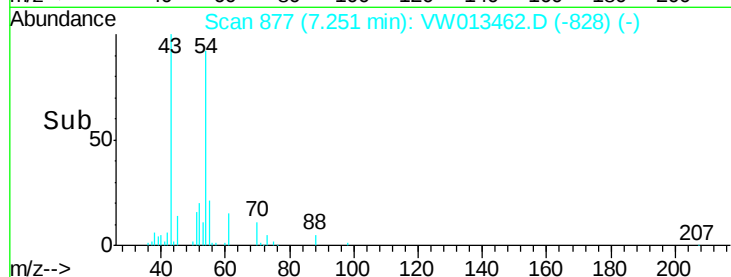
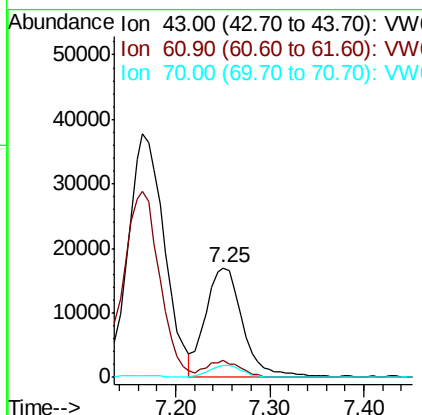
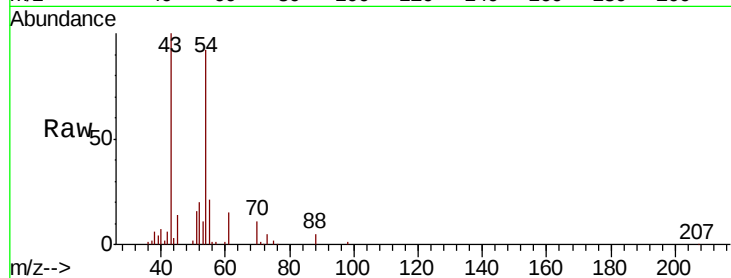
#37  
Ethyl Acetate  
Concen: 30.277 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 10.9  | 16.3  |
| 70      | 10.1  | 8.2   | 12.2  |

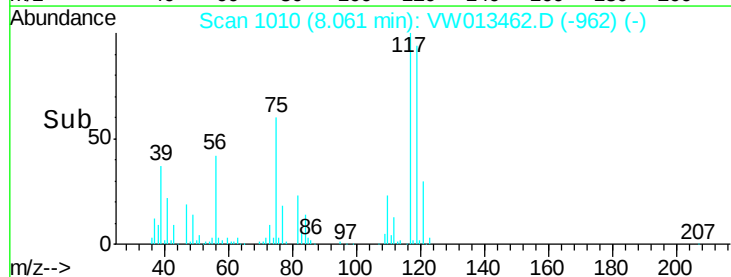
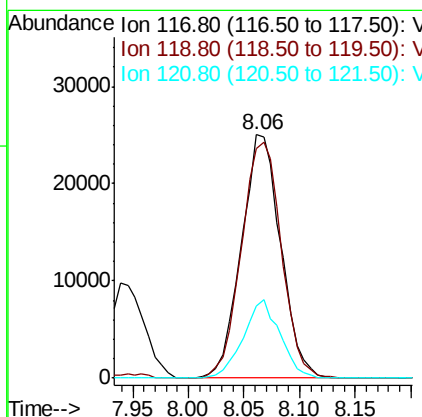
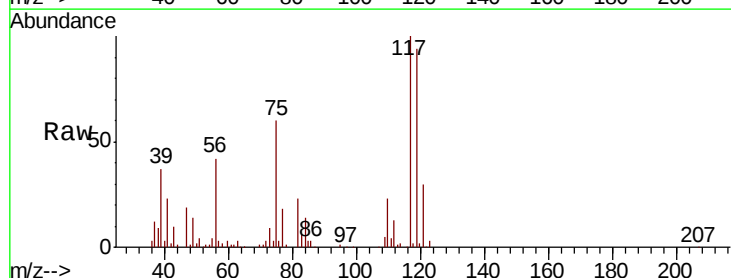
Manual Integrations  
APPROVED

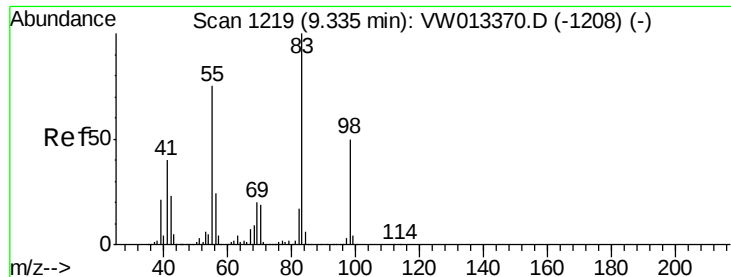
MMDadoda  
10/8/2019 1:30:33 PM



#38  
Carbon Tetrachloride  
Concen: 20.784 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.3  | 73.5  | 110.3 |
| 121     | 29.8  | 25.0  | 37.6  |





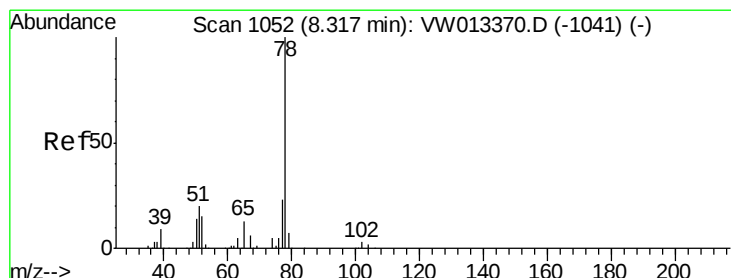
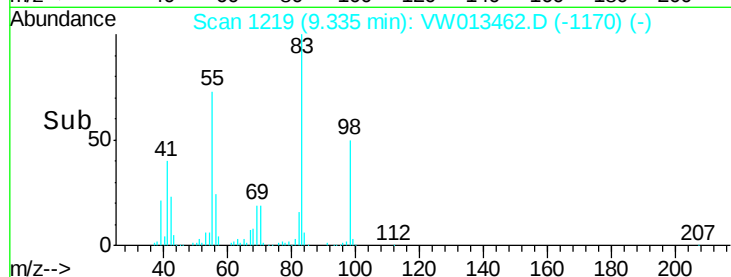
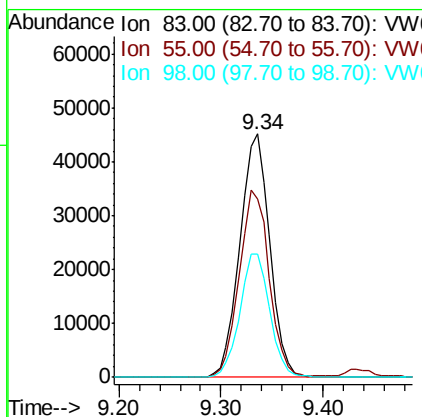
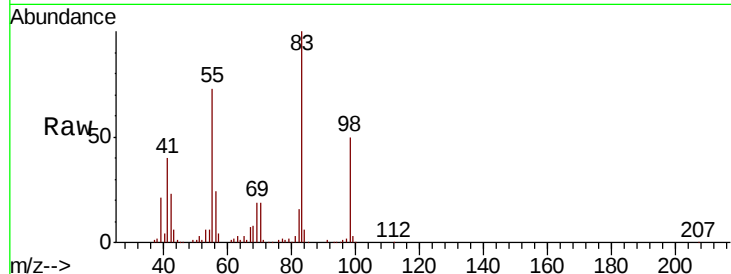
#39  
Methvlcvclohexane  
Concen: 20.440 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 73.5  | 60.4  | 90.6  |
| 98      | 50.4  | 40.0  | 60.0  |

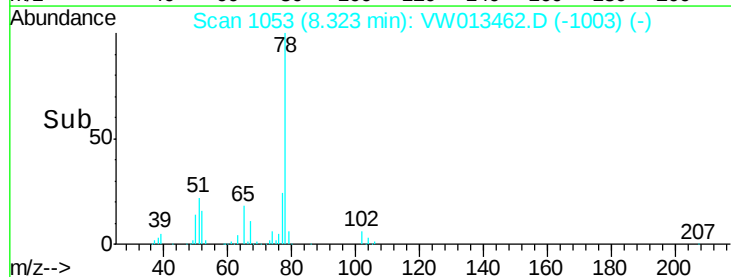
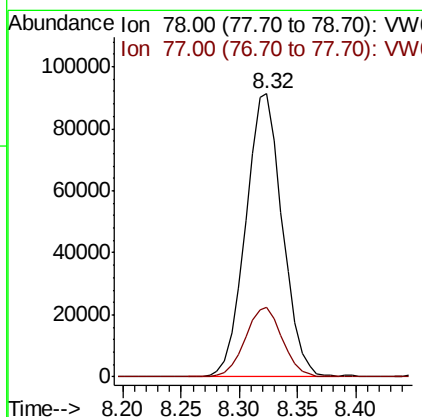
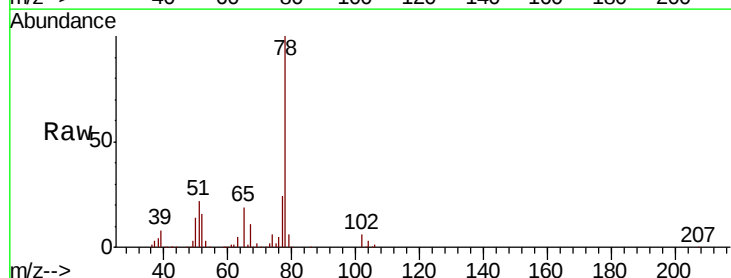
Manual Integrations  
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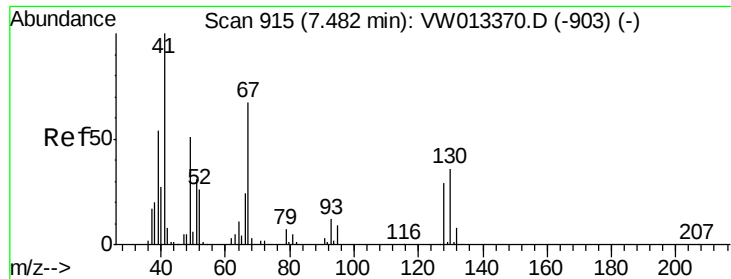
MMDadoda  
10/8/2019 1:30:33 PM



#40  
Benzene  
Concen: 20.681 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.01 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.4  | 19.1  | 28.7  |





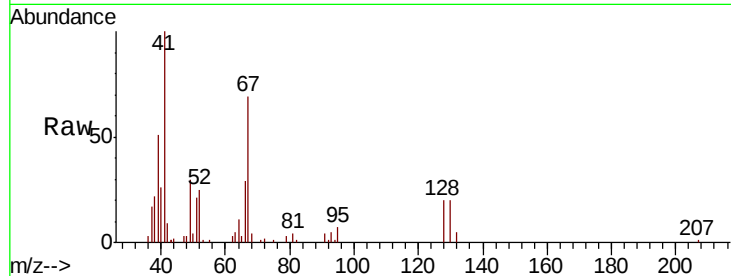
#41  
Methacrylonitrile  
Concen: 26.402 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampled :  
VW1007SBSD01

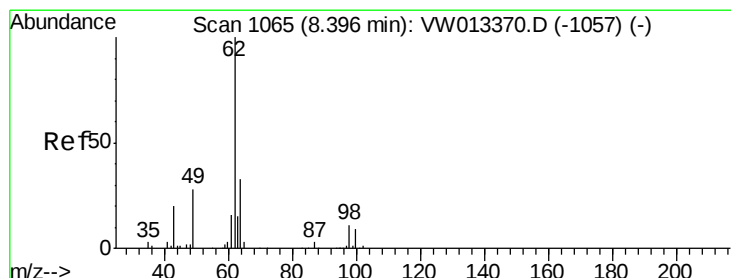
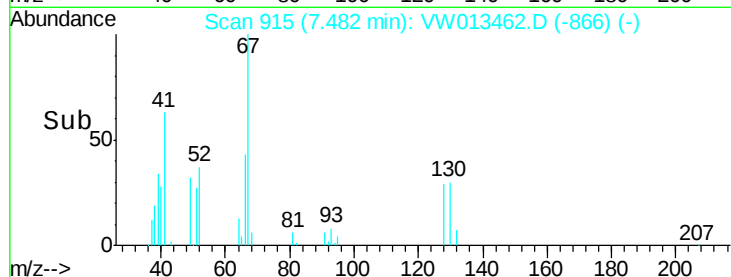
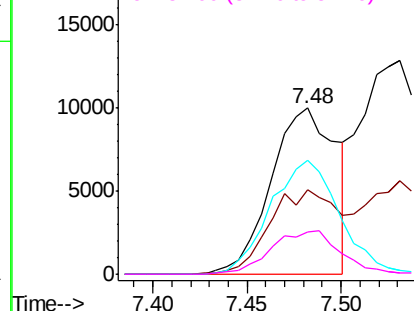
| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 24031   | 41  | 100   |       |       |
|         | 39  | 52.0  | 45.9  | 68.9  |
|         | 67  | 73.6  | 54.5  | 81.7  |
|         | 52  | 27.8  | 22.5  | 33.7  |

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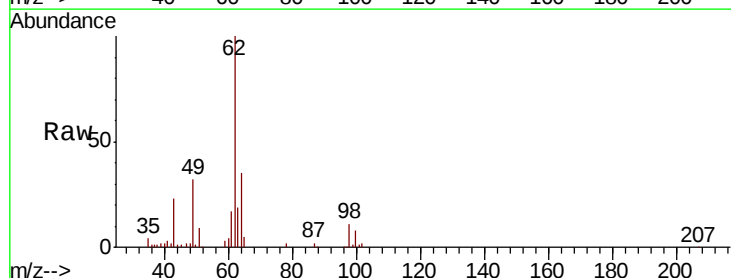


Abundance Ion 41.00 (40.70 to 41.70): VW  
Ion 39.00 (38.70 to 39.70): VW  
Ion 67.00 (66.70 to 67.70): VW  
Ion 52.00 (51.70 to 52.70): VW

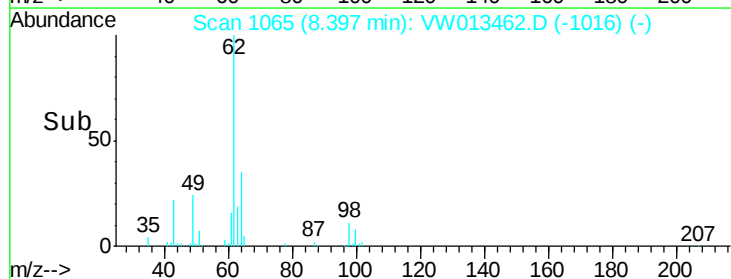
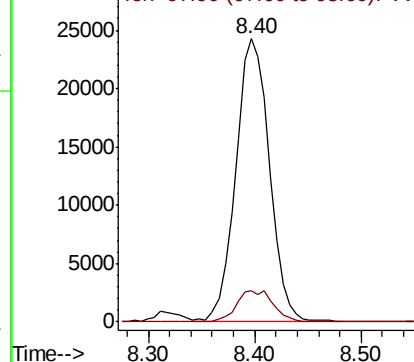


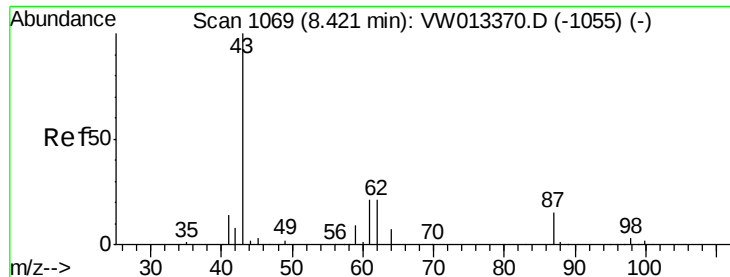
#42  
1,2-Dichloroethane  
Concen: 21.711 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 54029   | 62  | 100   |       |       |
|         | 98  | 11.9  | 0.0   | 20.6  |



Abundance Ion 61.90 (61.60 to 62.60): VW  
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 26.252 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

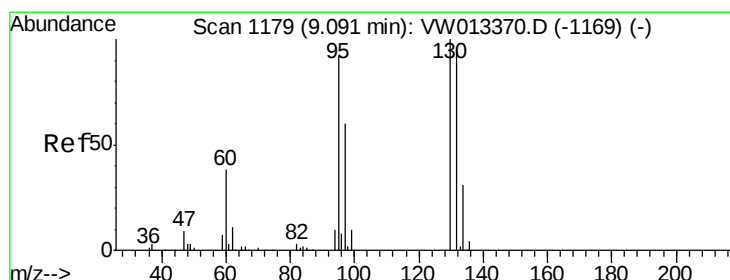
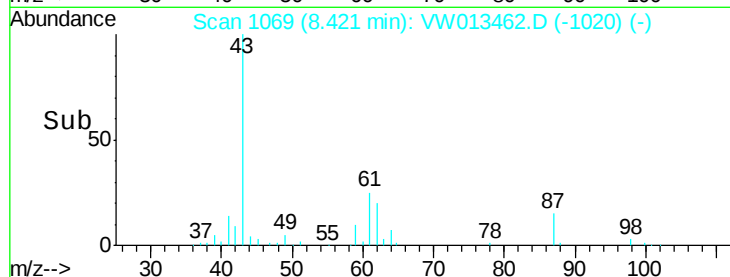
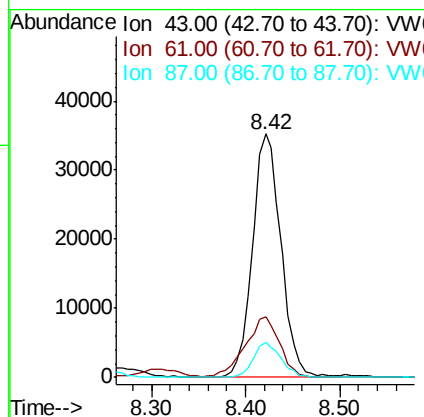
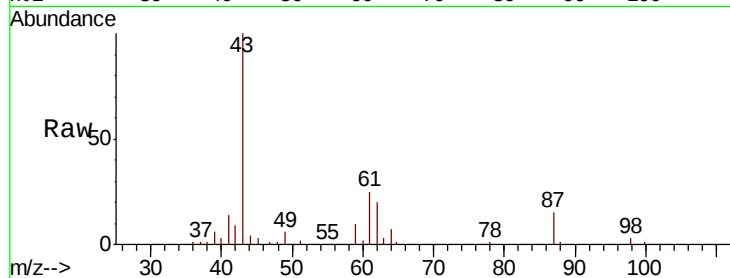
ClientSampleId :

VW1007SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 74587 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 30.0  | 25.5  | 38.3  |
| 87       | 14.0  | 11.0  | 16.4  |

Manual Integrations  
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#44

Trichloroethene

Concen: 21.062 ug/l

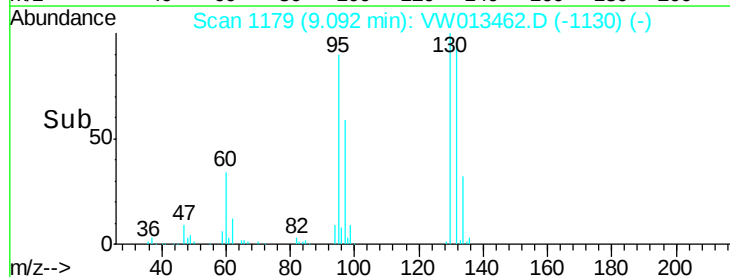
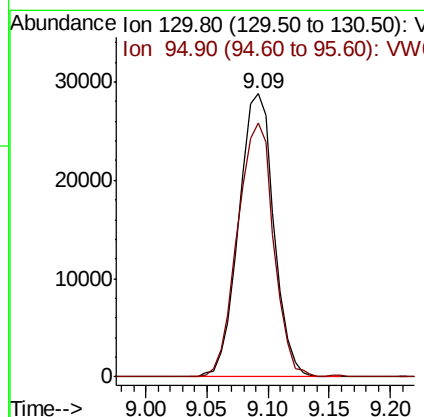
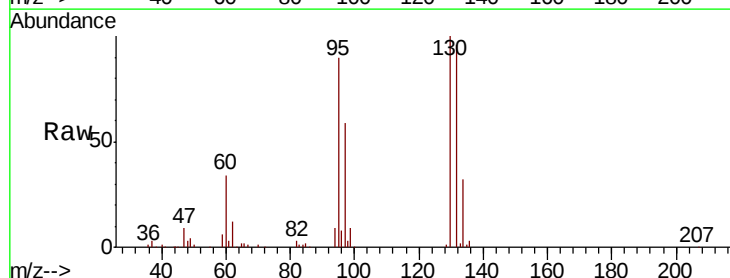
RT: 9.09 min Scan# 1179

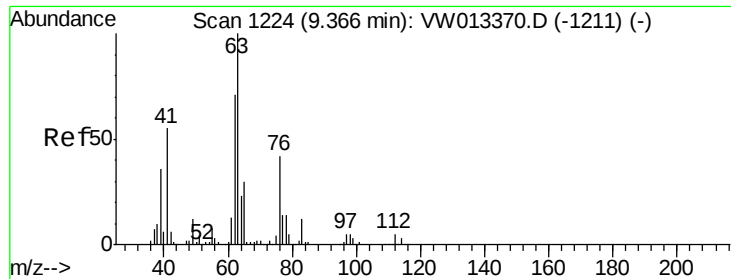
Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 57429 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 89.6  | 0.0   | 188.0 |





#45

1,2-Dichloropropane

Concen: 21.021 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleId :

VW1007SBS01

Tot Ion: 63 Resp: 48869

Ion Ratio Lower Upper

63 100

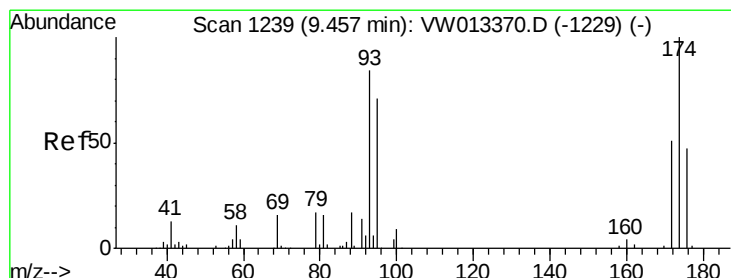
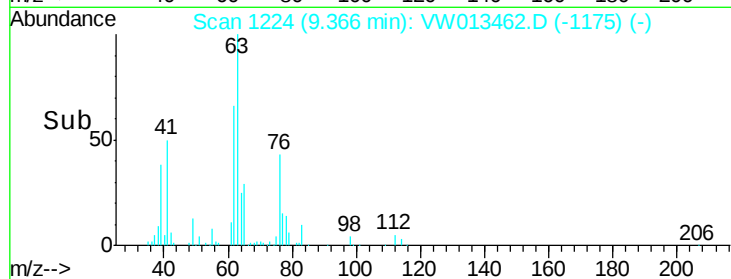
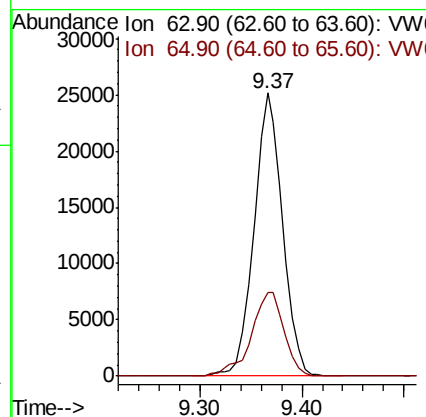
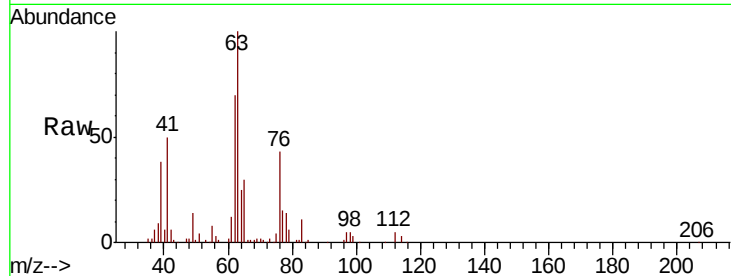
65 29.8 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 22.748 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

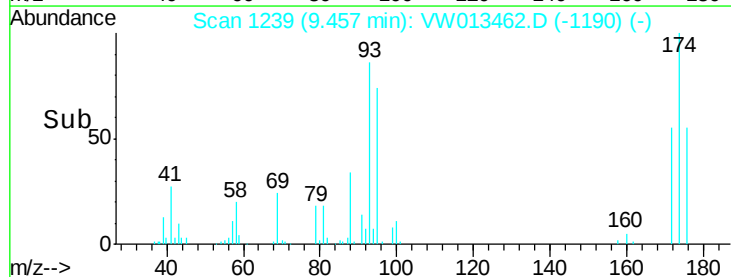
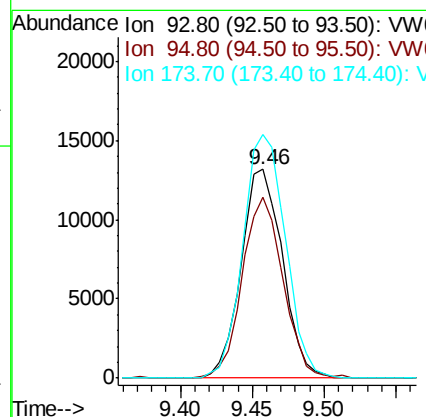
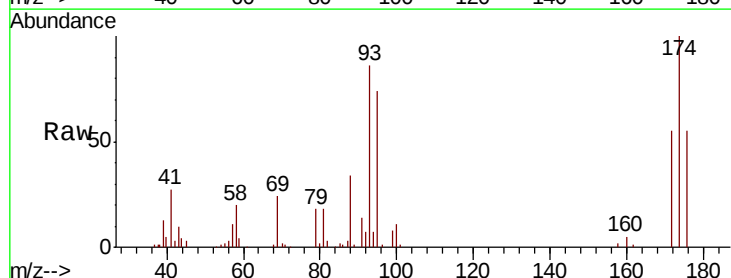
Tgt Ion: 93 Resp: 26341

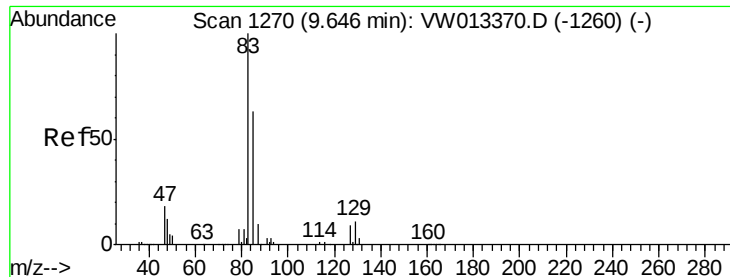
Ion Ratio Lower Upper

93 100

95 85.1 66.4 99.6

174 119.5 93.0 139.6





#47

Bromodichloromethane

Concen: 21.125 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

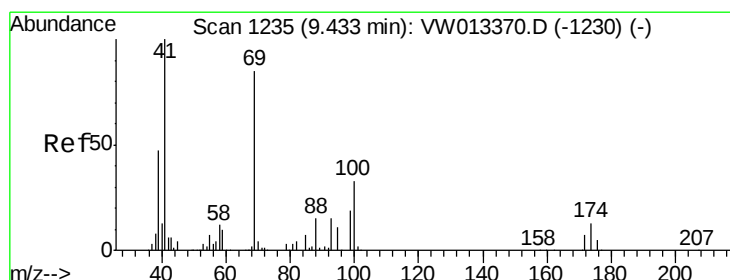
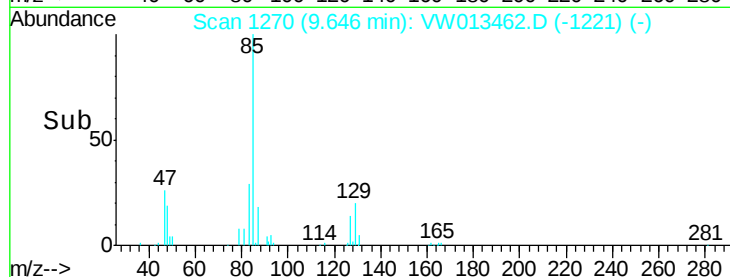
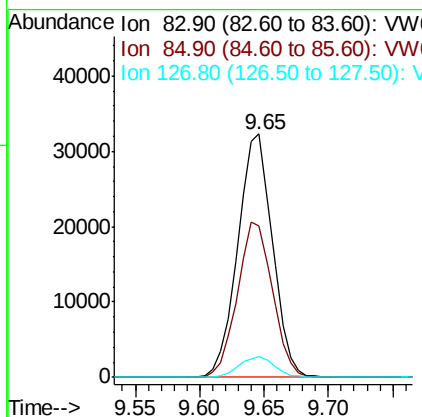
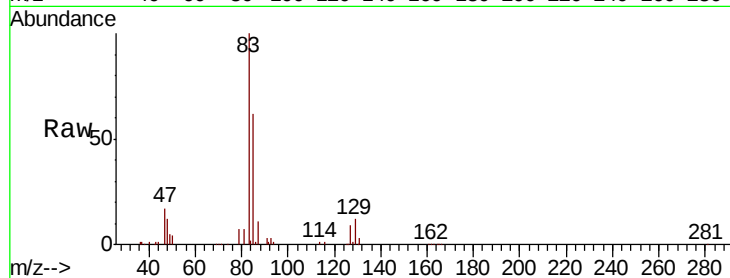
ClientSampleId :

VW1007SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 60219 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.2  | 49.4  | 74.2  |
| 127      | 8.6   | 6.5   | 9.7   |

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#48

Methyl methacrylate

Concen: 27.019 ug/l

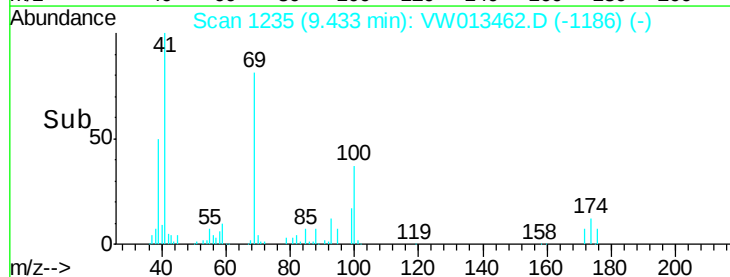
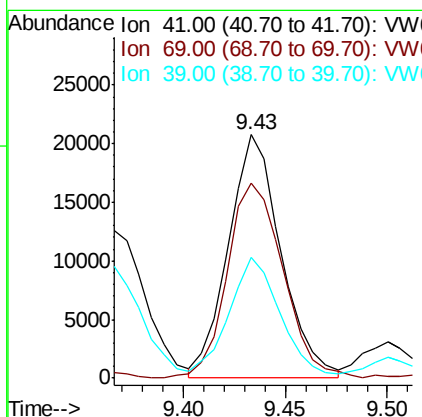
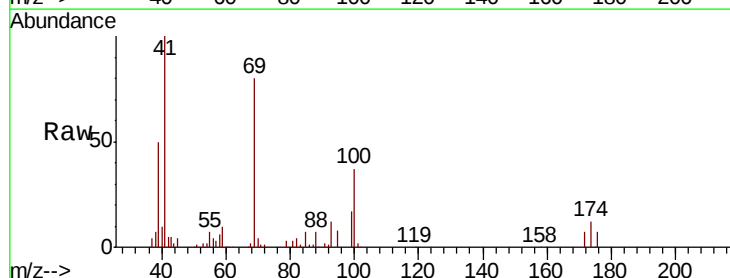
RT: 9.43 min Scan# 1235

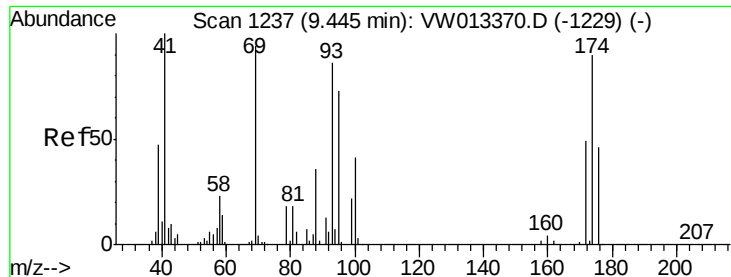
Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 36885 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 85.0  | 69.7  | 104.5 |
| 39       | 45.5  | 41.1  | 61.7  |





#49

1,4-Dioxane

Concen: 667.020 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

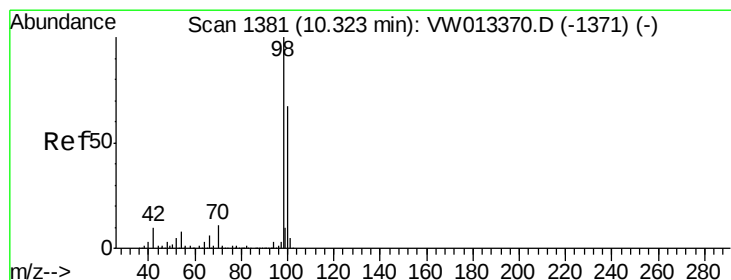
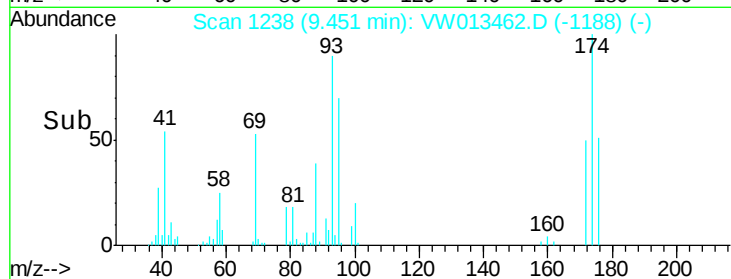
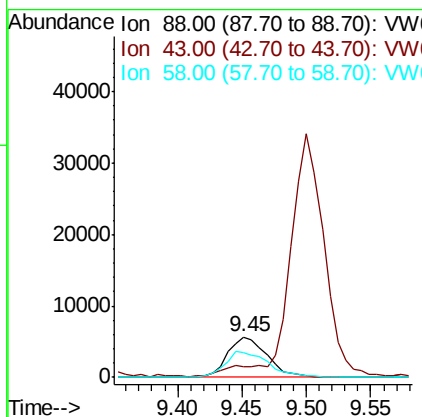
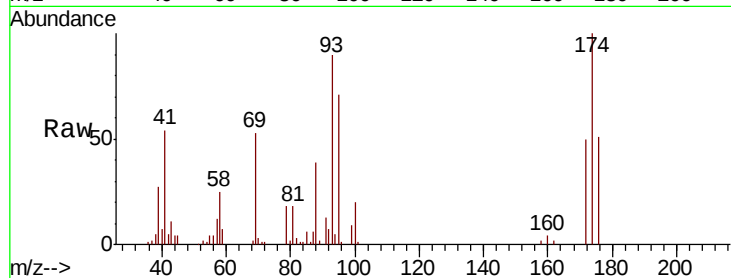
ClientSampleId :

VW1007SBS01

| Tot Ion | 88    | Resp  | 12035 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 21.6  | 0.0   | 0.0#  |
| 58      | 70.5  | 65.4  | 98.0  |

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#50

Toluene-d8

Concen: 53.018 ug/l

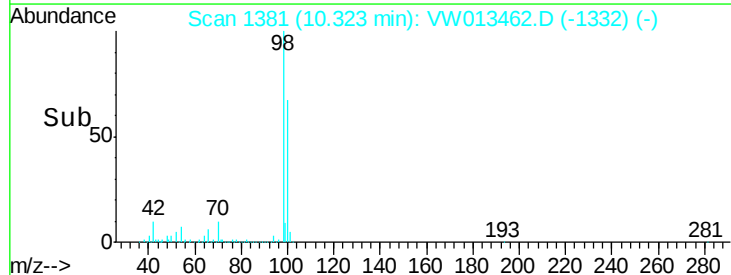
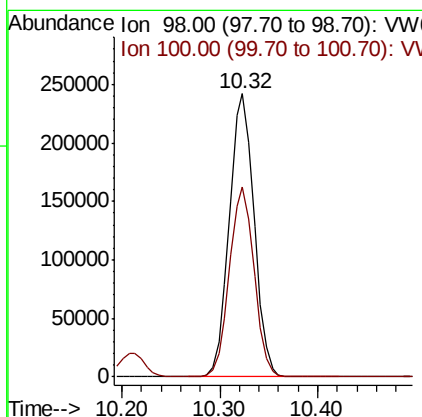
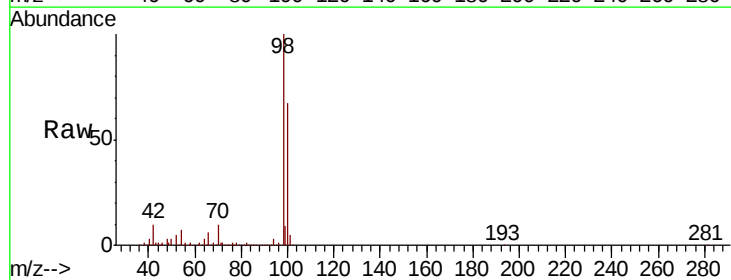
RT: 10.32 min Scan# 1381

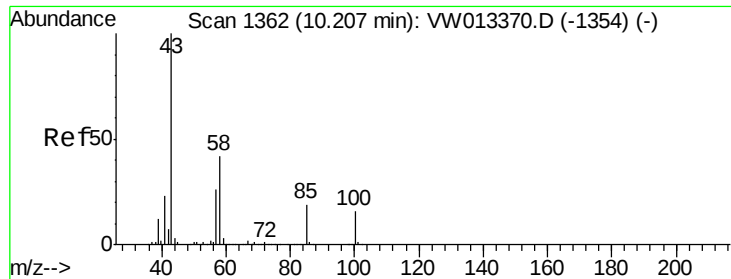
Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

| Tgt Ion | 98    | Resp  | 425151 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 66.7  | 52.9  | 79.3   |





#51

4-Methyl-2-Pentanone

Concen: 141.324 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleId :

VW1007SBS01

Tot Ion: 43 Resp: 210963

Ion Ratio Lower Upper

43 100

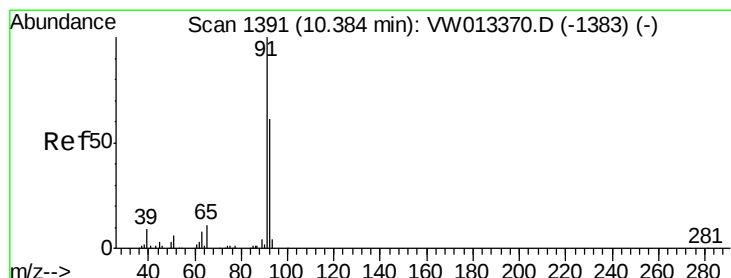
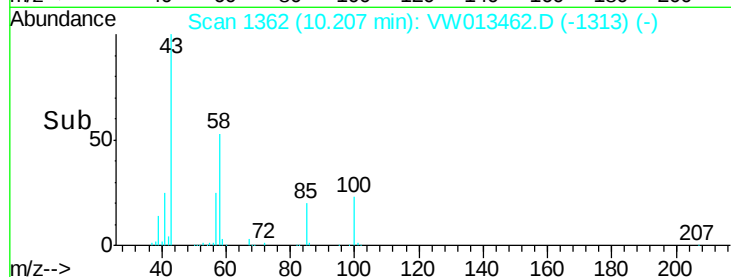
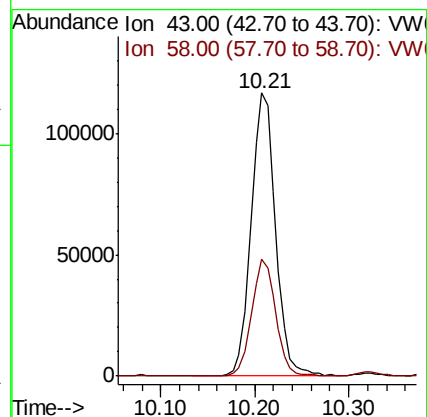
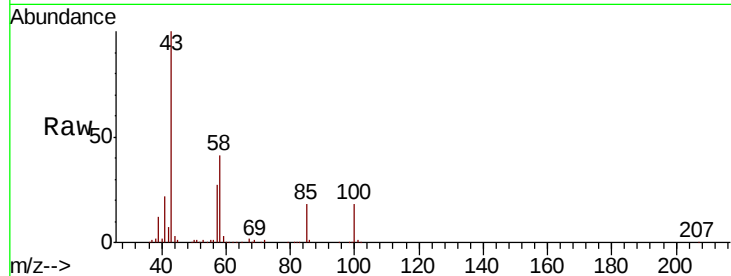
58 41.0 31.7 47.5

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#52

Toluene

Concen: 20.826 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013462.D

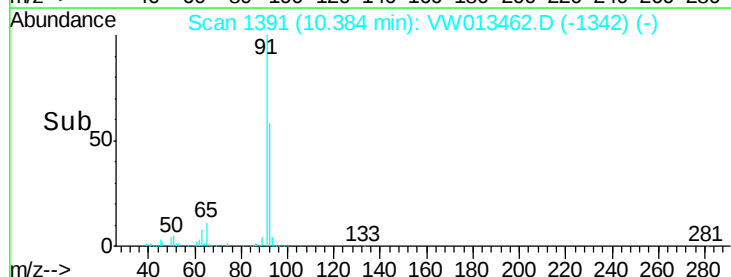
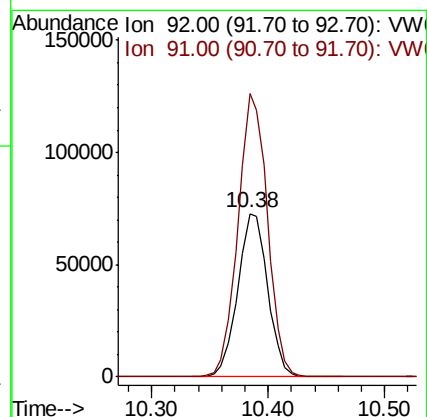
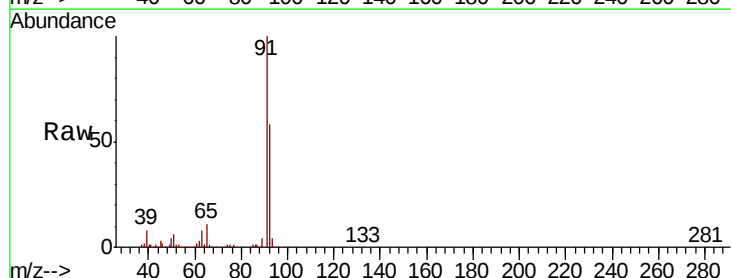
Acq: 07 Oct 2019 14:44

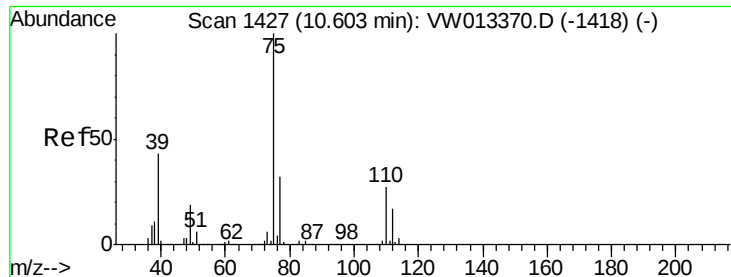
Tgt Ion: 92 Resp: 130066

Ion Ratio Lower Upper

92 100

91 171.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 22.212 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleId :

VW1007SBS01

Tot Ion: 75 Resp: 65861

Ion Ratio Lower Upper

75 100

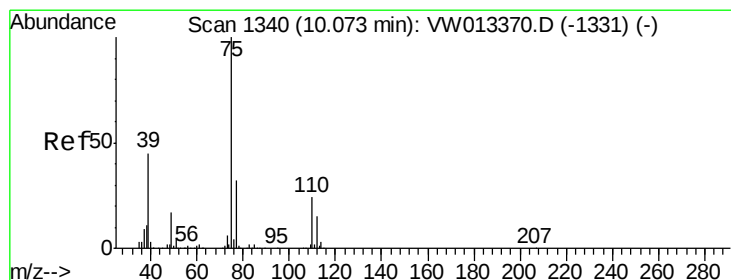
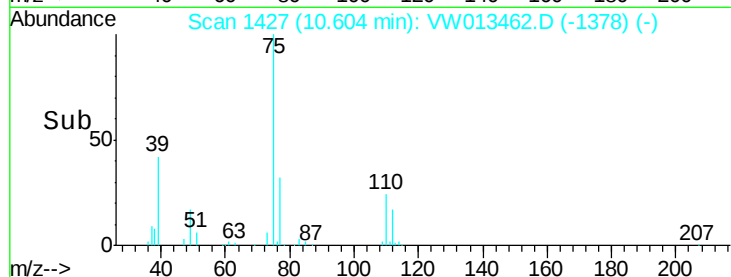
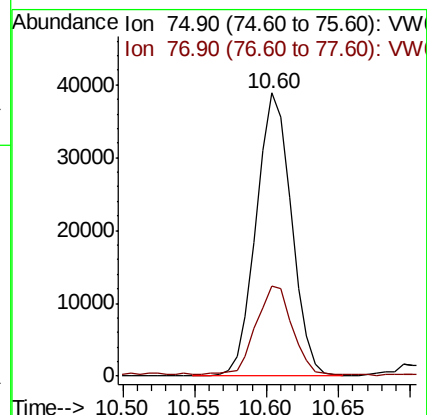
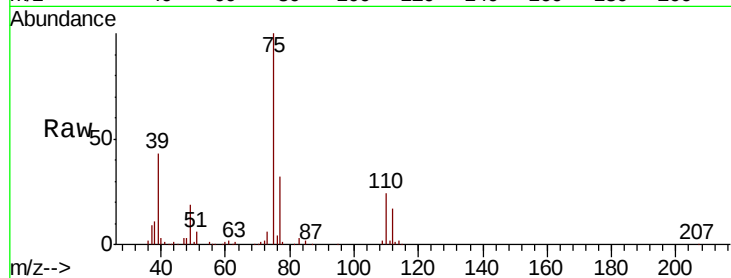
77 31.4 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.784 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

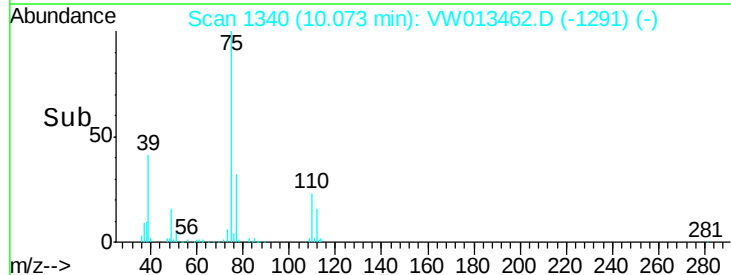
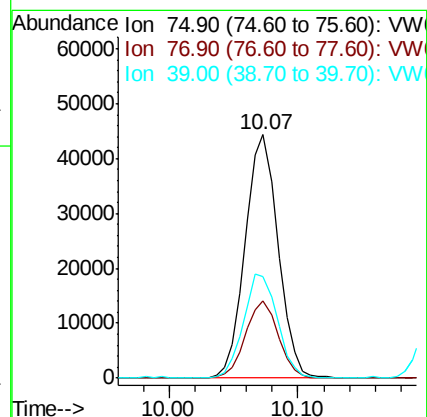
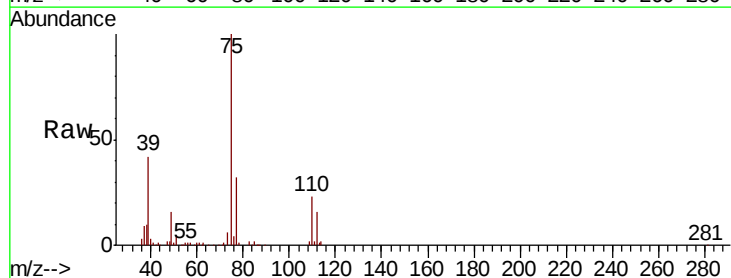
Tgt Ion: 75 Resp: 78313

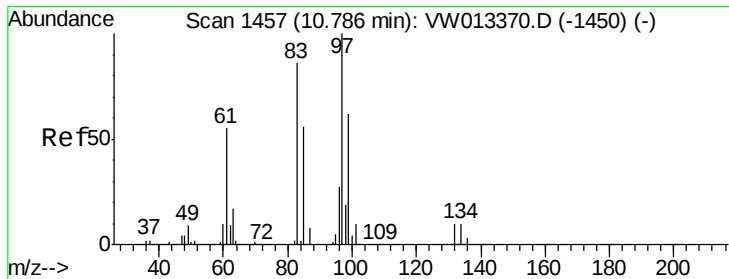
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 41.6 36.6 55.0





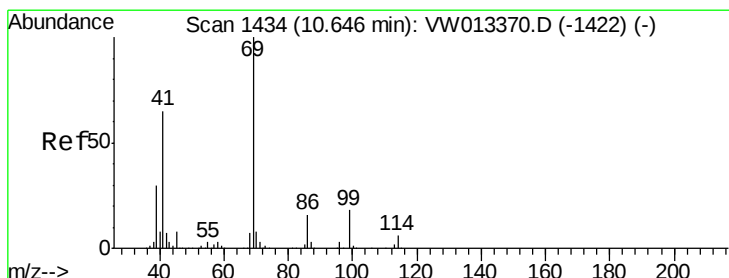
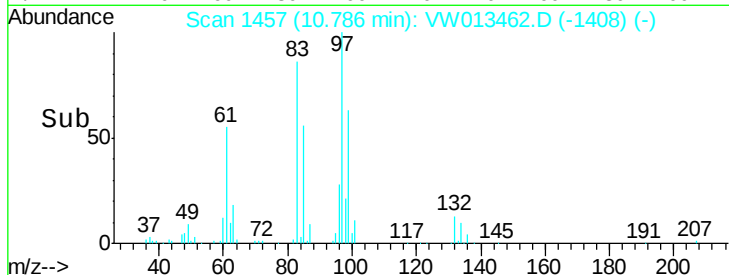
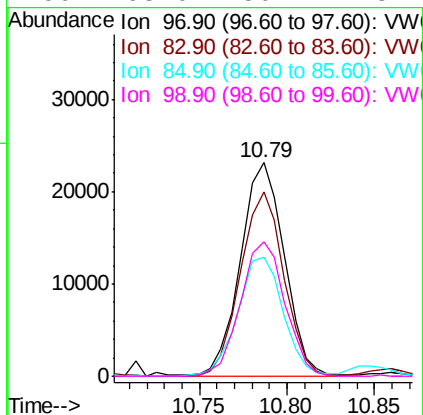
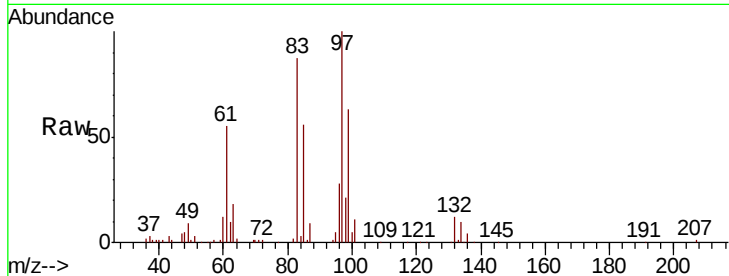
#55  
 1,1,2-Trichloroethane  
 Concen: 23.438 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW013462.D  
 Acq: 07 Oct 2019 14:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1007SBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 97      | 100   | 40486 |       |       |
| 83      | 86.9  | 67.6  | 101.4 |       |
| 85      | 55.3  | 41.9  | 62.9  |       |
| 99      | 63.0  | 50.1  | 75.1  |       |

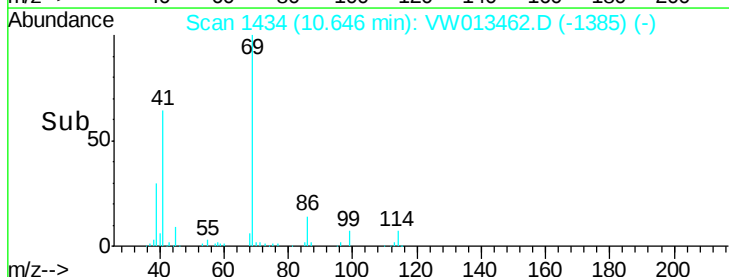
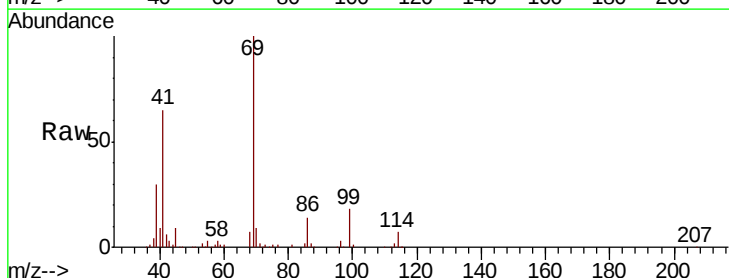
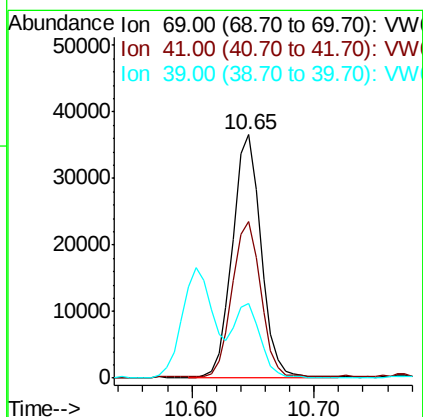
Manual Integrations  
 APPROVED

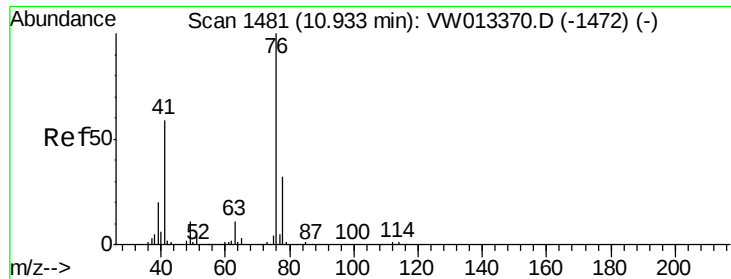
MMDadoda  
 10/8/2019 1:30:33 PM



#56  
 Ethyl methacrylate  
 Concen: 25.318 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW013462.D  
 Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 69      | 100   | 58866 |       |       |
| 41      | 63.8  | 53.9  | 80.9  |       |
| 39      | 28.0  | 23.8  | 35.6  |       |





#57

1,3-Dichloropropane

Concen: 23.057 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleId :

VW1007SBS01

Tot Ion: 76 Resp: 69241

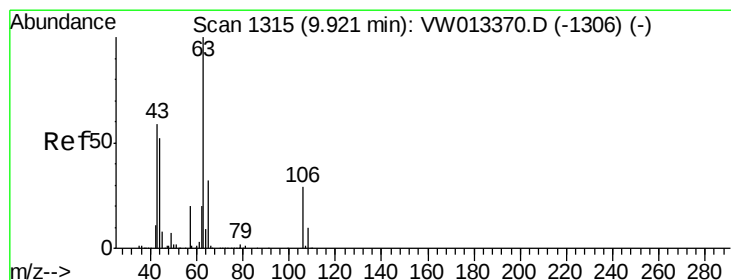
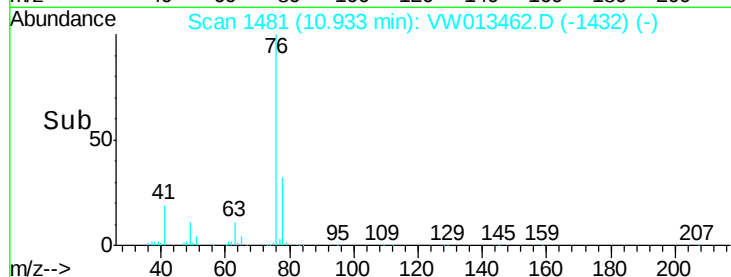
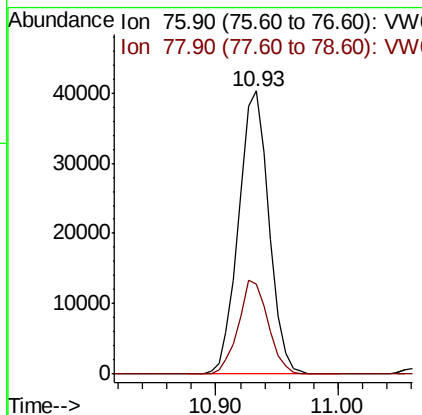
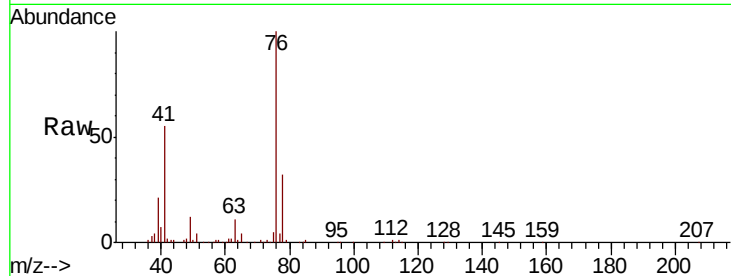
Ion Ratio Lower Upper

76 100

78 32.7 25.5 38.3

Manual Integrations  
APPROVED

MMDadoda  
10/8/2019 1:30:33 PM



#58

2-Chloroethyl Vinyl ether

Concen: 135.843 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013462.D

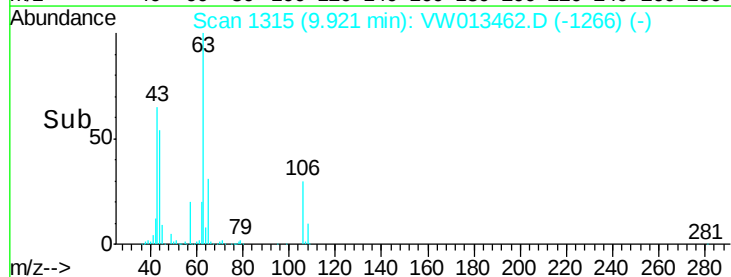
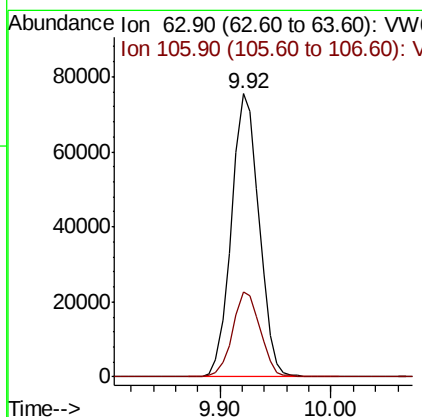
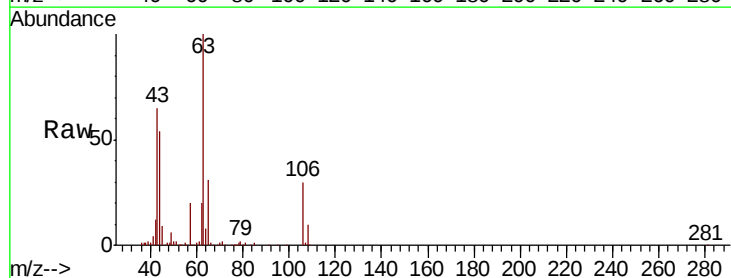
Acq: 07 Oct 2019 14:44

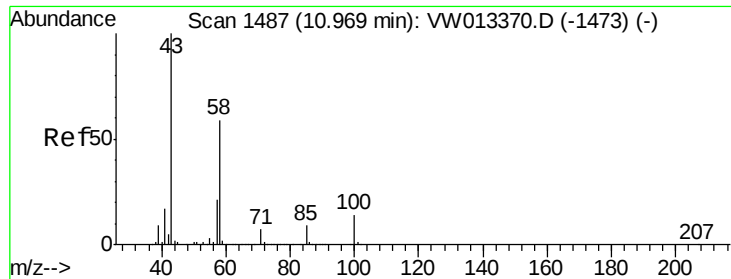
Tgt Ion: 63 Resp: 129741

Ion Ratio Lower Upper

63 100

106 29.9 23.4 35.0





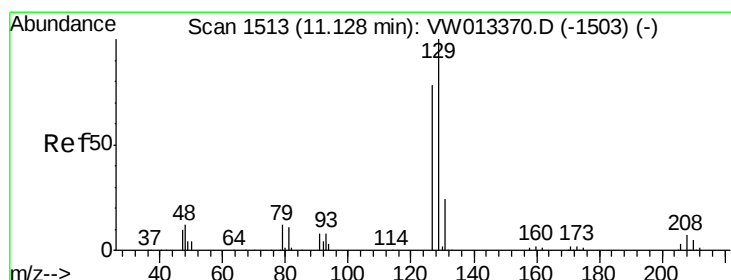
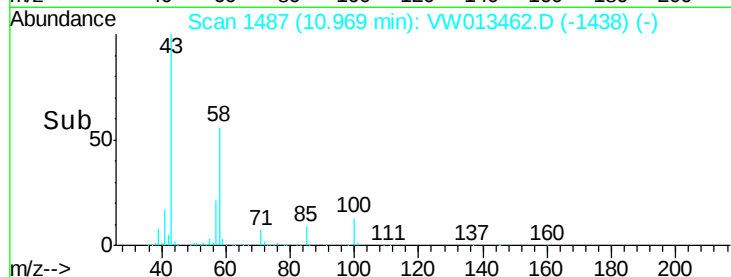
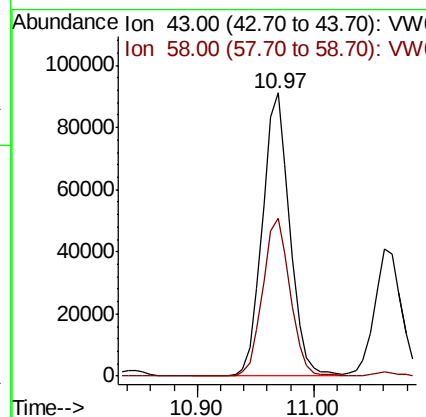
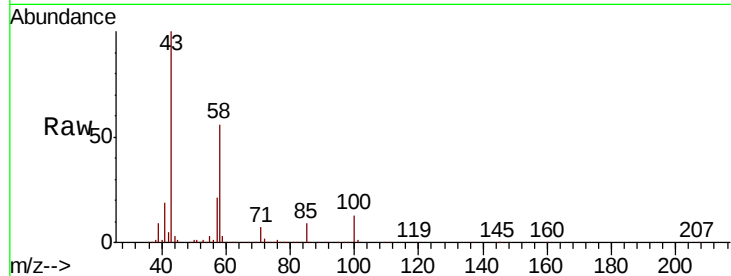
#59  
2-Hexanone  
Concen: 143.042 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

Tot Ion: 43 Resp: 148002  
Ion Ratio Lower Upper  
43 100  
58 56.2 28.1 84.2

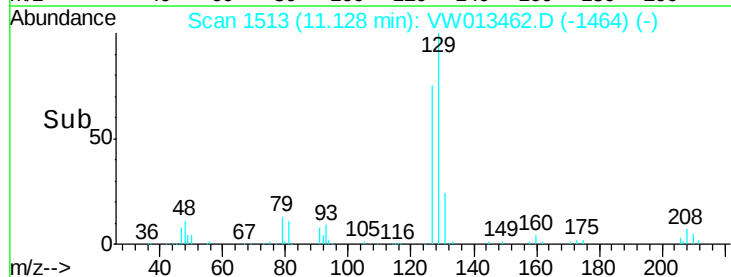
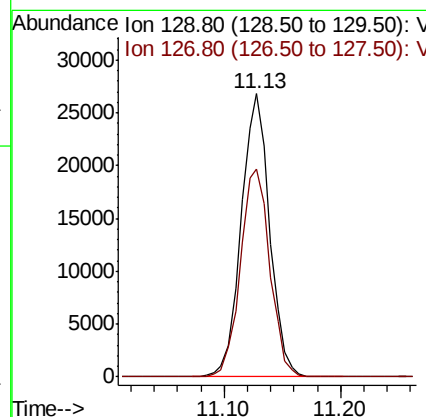
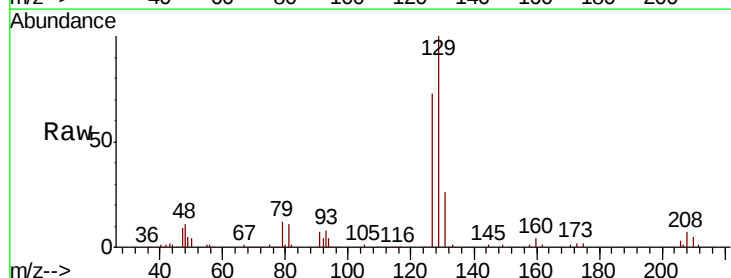
Manual Integrations  
APPROVED

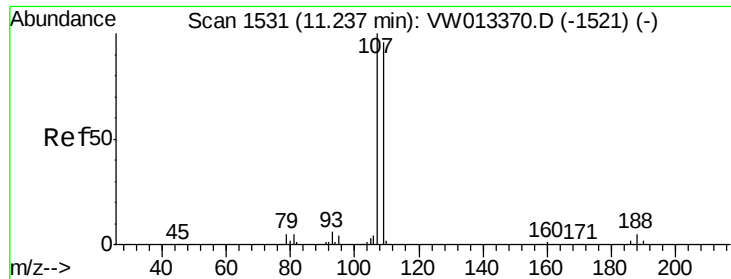
MMDadoda  
10/8/2019 1:30:33 PM



#60  
Dibromochloromethane  
Concen: 23.087 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Tgt Ion: 129 Resp: 45624  
Ion Ratio Lower Upper  
129 100  
127 76.1 38.8 116.4





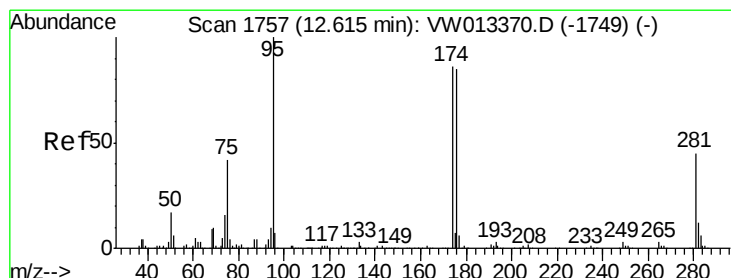
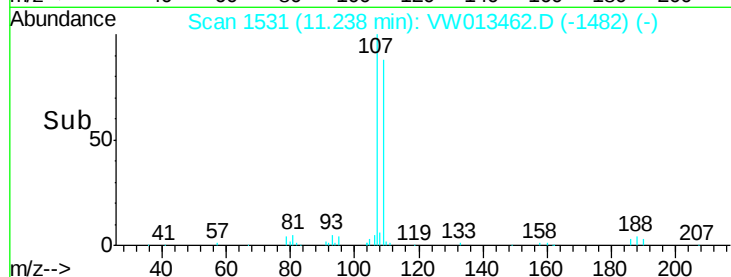
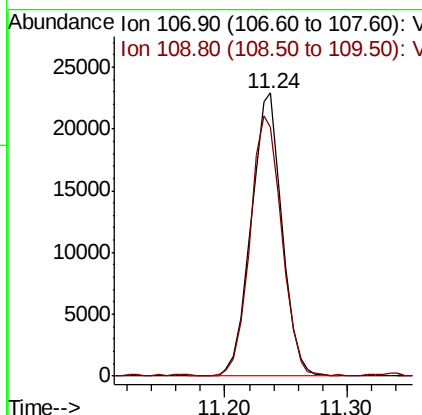
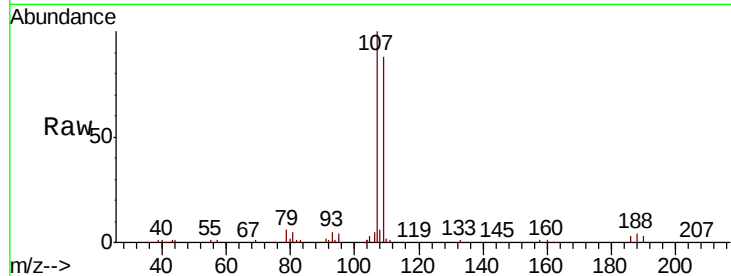
#61  
 1,2-Dibromoethane  
 Concen: 24.151 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.00 min  
 Lab File: VW013462.D  
 Acq: 07 Oct 2019 14:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1007SBSD01

Tot Ion: 107 Resp: 40313  
 Ion Ratio Lower Upper  
 107 100  
 109 94.7 75.2 112.8

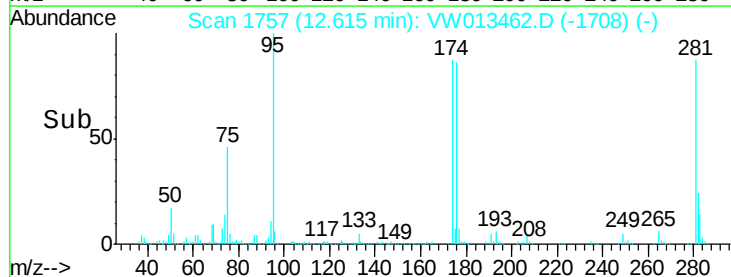
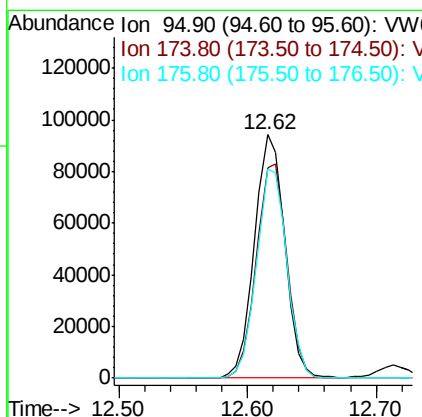
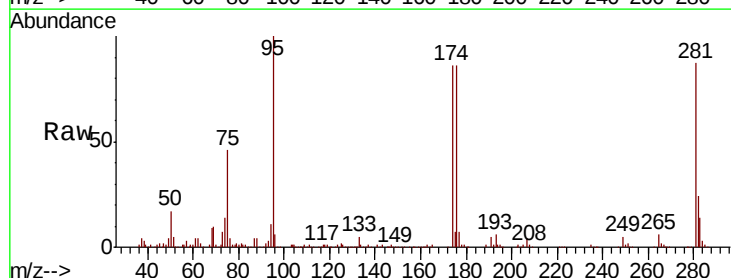
Manual Integrations  
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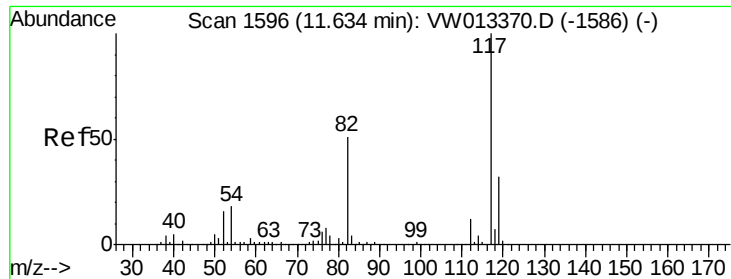
MMDadoda  
 10/8/2019 1:30:33 PM



#62  
 4-Bromofluorobenzene  
 Concen: 56.854 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.00 min  
 Lab File: VW013462.D  
 Acq: 07 Oct 2019 14:44

Tgt Ion: 95 Resp: 152246  
 Ion Ratio Lower Upper  
 95 100  
 174 89.6 0.0 178.4  
 176 86.1 0.0 172.2





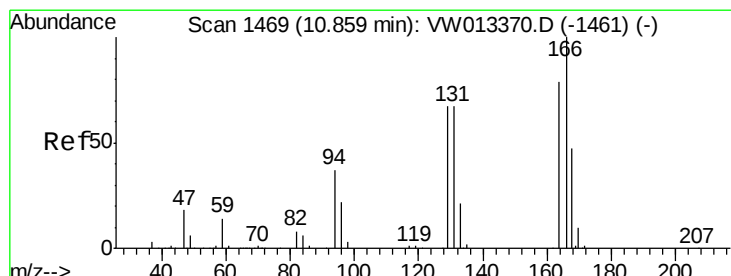
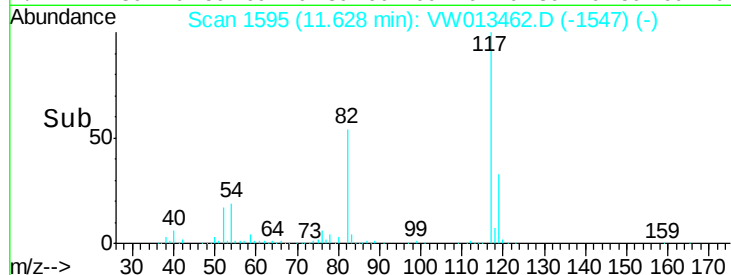
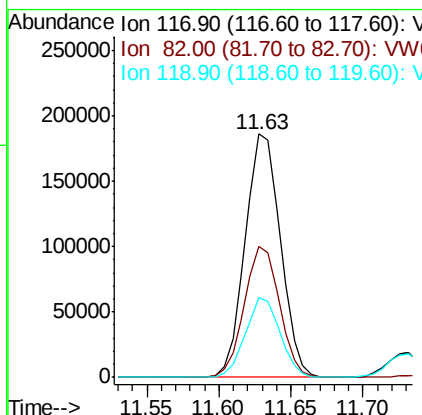
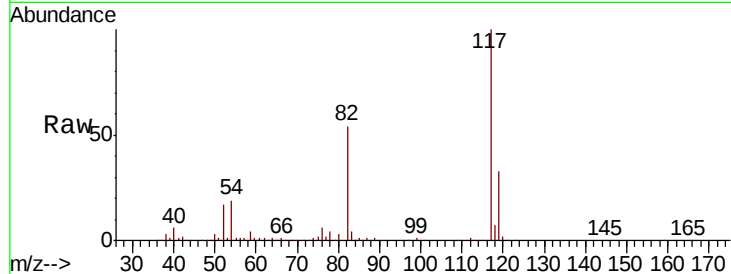
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.0  | 45.9  | 68.9  |
| 119     | 32.7  | 26.2  | 39.2  |

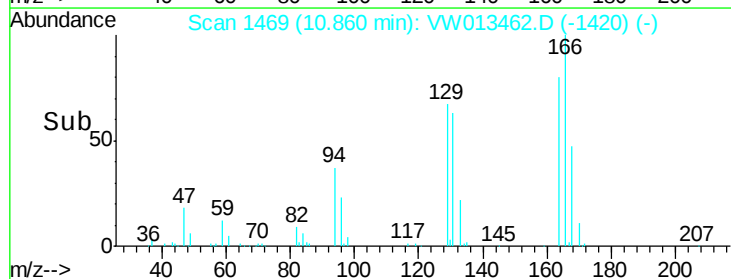
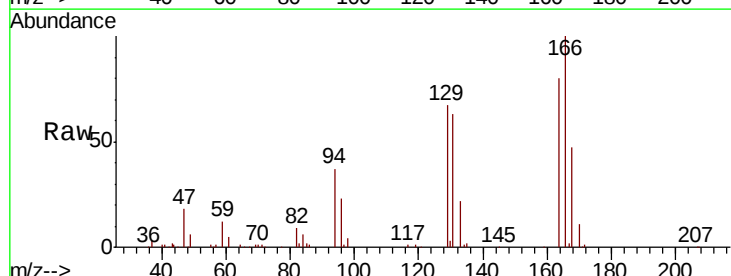
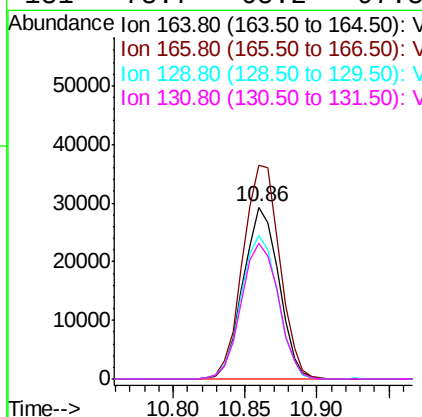
Manual Integrations  
APPROVED

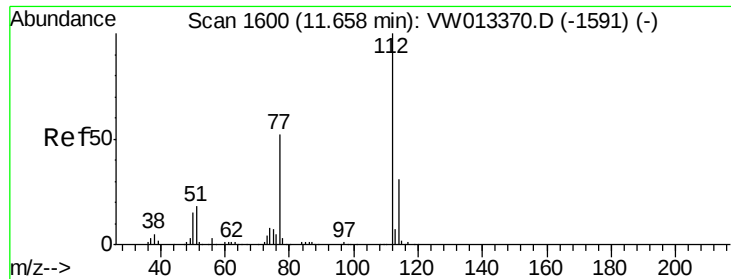
MMDadoda  
10/8/2019 1:30:33 PM



#64  
Tetrachloroethene  
Concen: 20.960 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 124.2 | 101.2 | 151.8 |
| 129     | 83.4  | 68.8  | 103.2 |
| 131     | 78.7  | 65.2  | 97.8  |





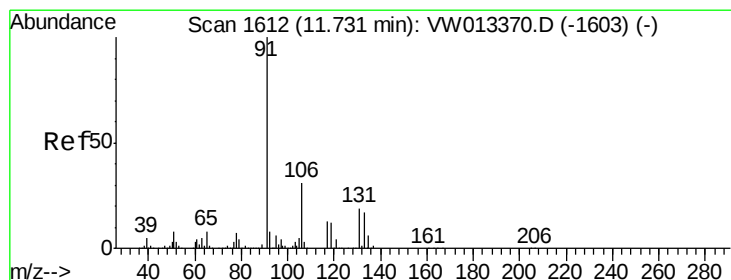
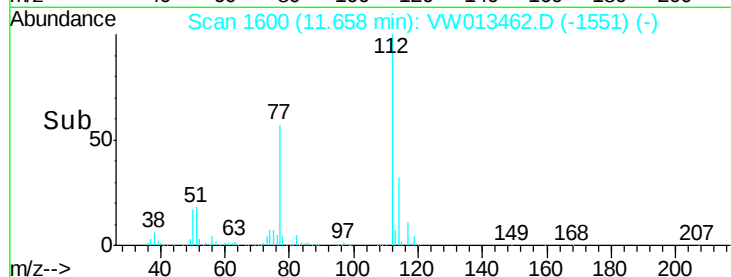
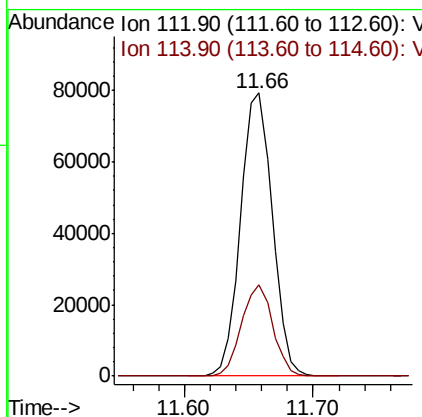
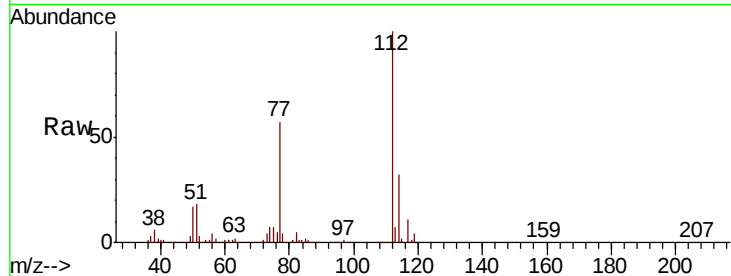
#65  
Chlorobenzene  
Concen: 20.865 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.1  | 26.5  | 39.7  |

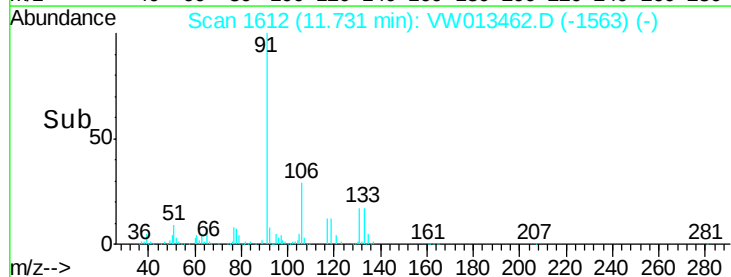
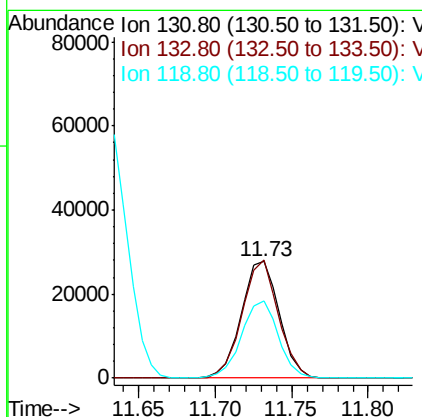
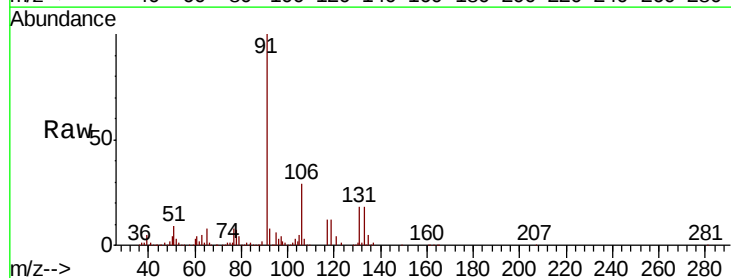
Manual Integrations  
APPROVED

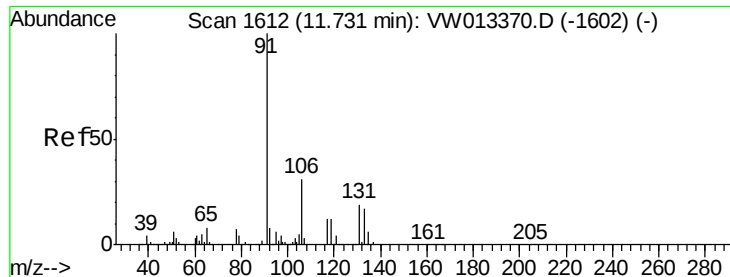
MMDadoda  
10/8/2019 1:30:33 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.542 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 97.5  | 47.5  | 142.6 |
| 119     | 65.0  | 32.5  | 97.5  |





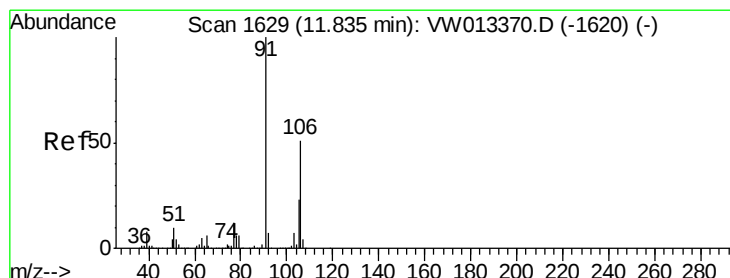
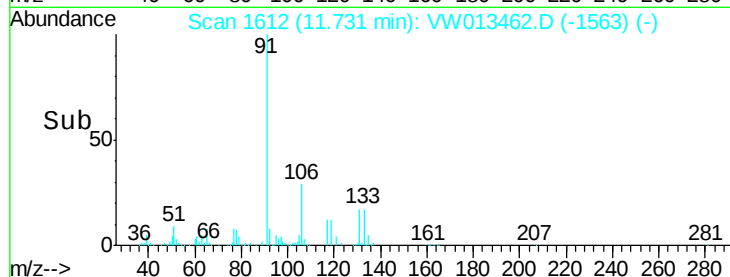
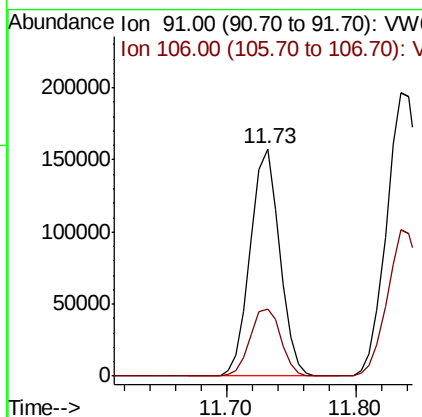
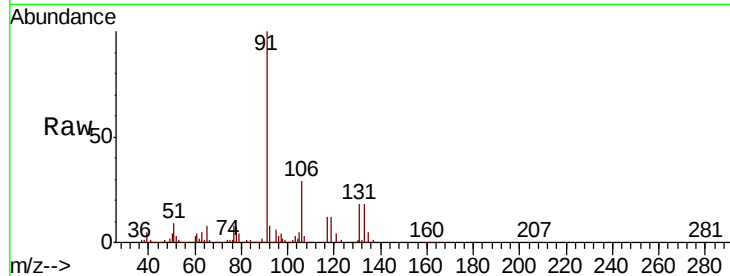
#67  
Ethyl Benzene  
Concen: 21.341 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

Tot Ion: 91 Resp: 247853  
Ion Ratio Lower Upper  
91 100  
106 29.3 24.9 37.3

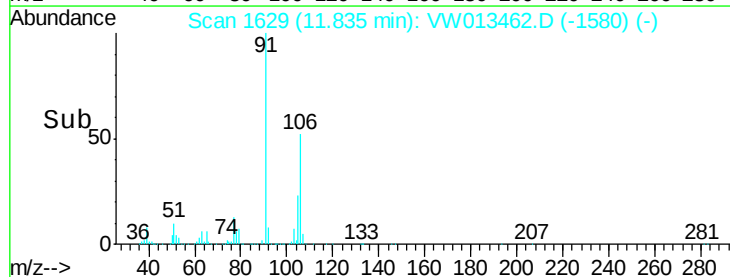
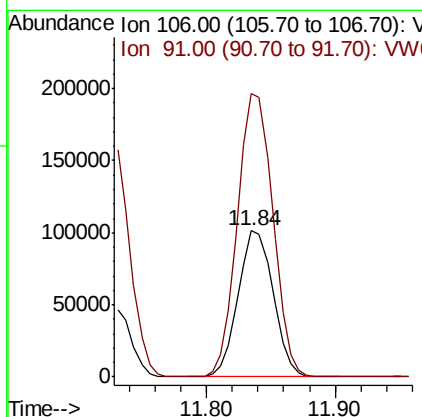
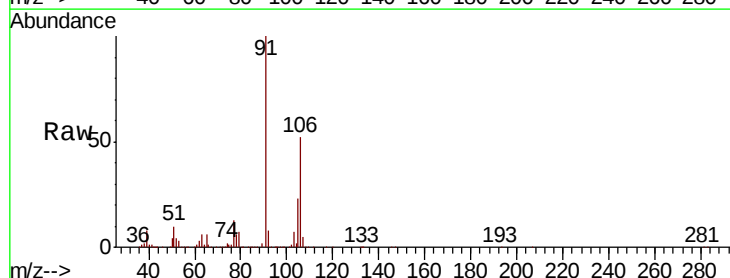
Manual Integrations  
APPROVED

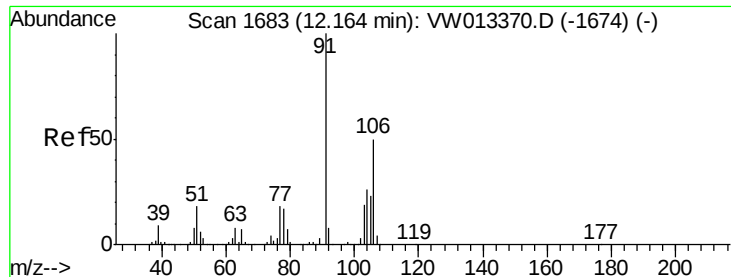
MMDadoda  
10/8/2019 1:30:33 PM



#68  
m/p-Xylenes  
Concen: 42.639 ug/l  
RT: 11.84 min Scan# 1629  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Tgt Ion: 106 Resp: 191144  
Ion Ratio Lower Upper  
106 100  
91 196.5 157.9 236.9





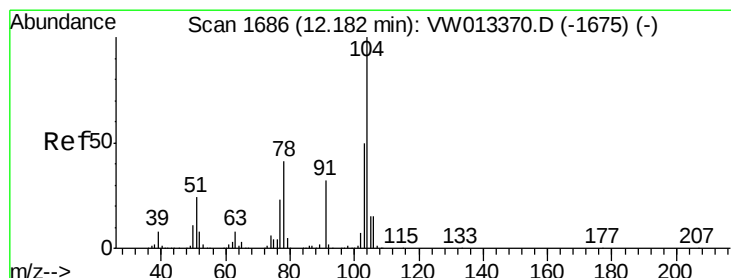
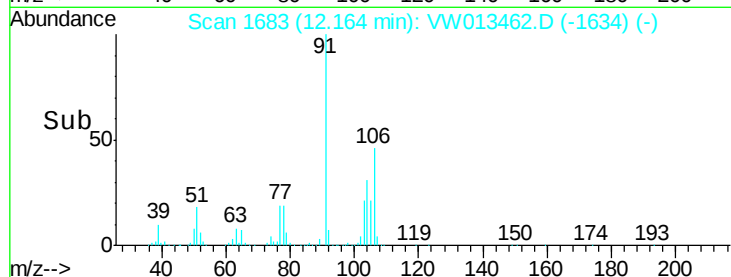
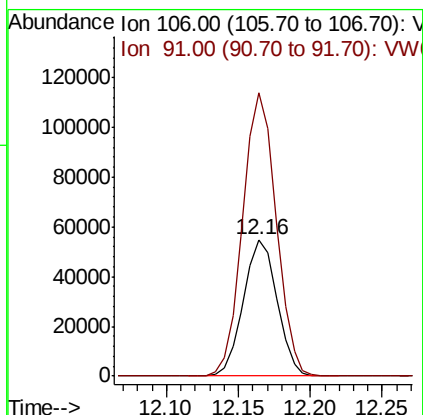
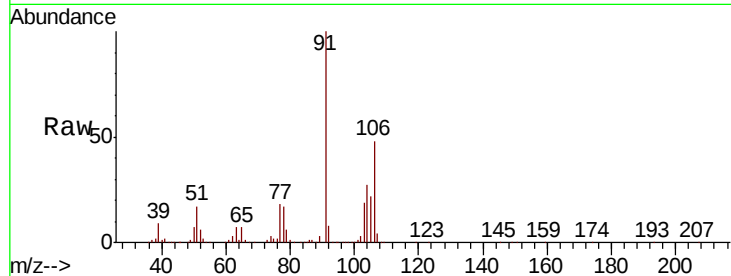
#69  
o-Xylene  
Concen: 21.494 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 206.2 | 106.5 | 319.5 |

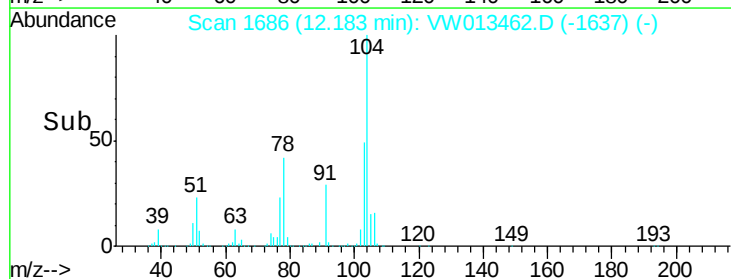
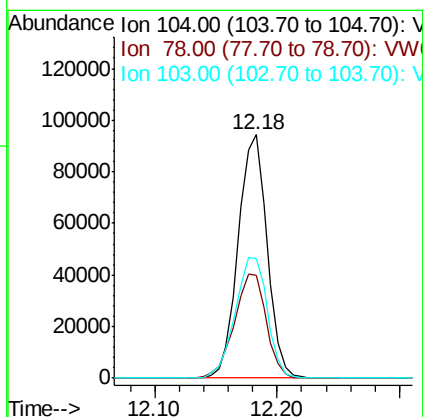
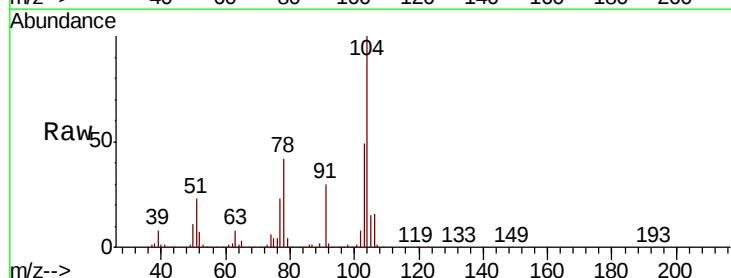
Manual Integrations  
APPROVED

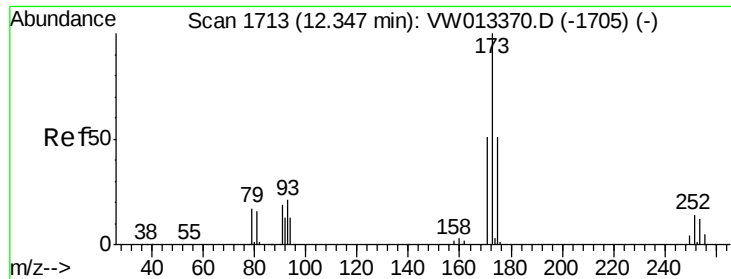
MMDadoda  
10/8/2019 1:30:33 PM



#70  
Styrene  
Concen: 21.786 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.3  | 38.4  | 57.6  |
| 103     | 55.3  | 43.3  | 64.9  |





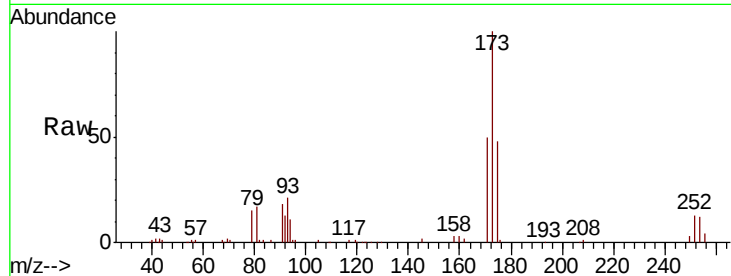
#71  
Bromoform  
Concen: 25.185 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.8  | 24.3  | 73.0  |
| 254     | 0.0   | 0.1   | 0.1#  |

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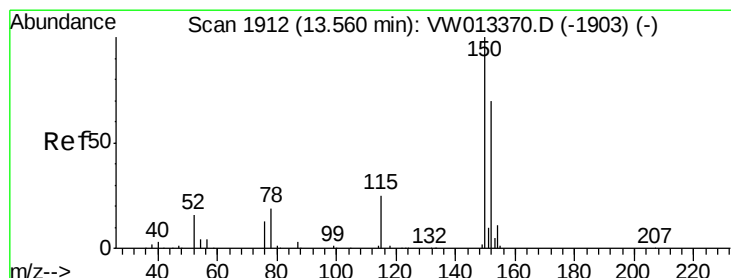
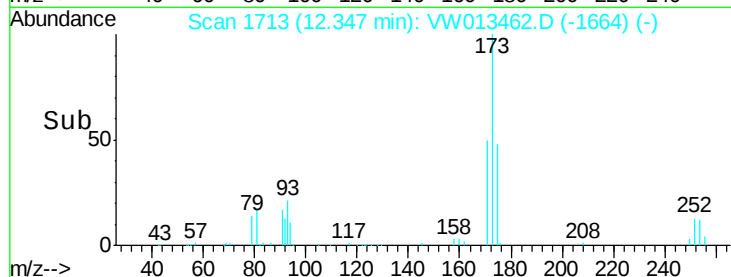
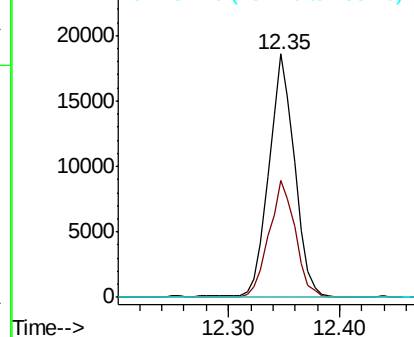


Abundance

Ion 172.70 (172.40 to 173.40): V

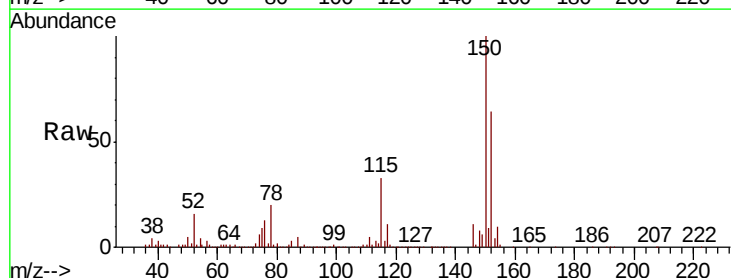
Ion 174.70 (174.40 to 175.40): V

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: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.5  | 27.3  | 81.9  |
| 150     | 166.5 | 0.0   | 349.0 |

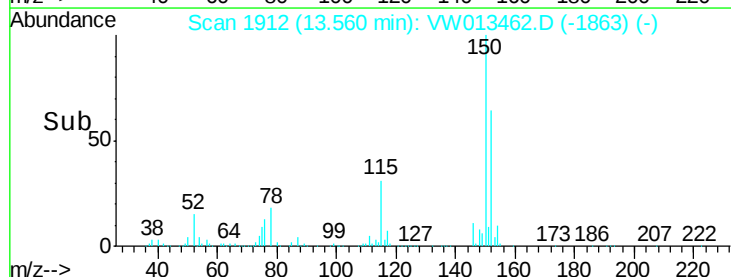
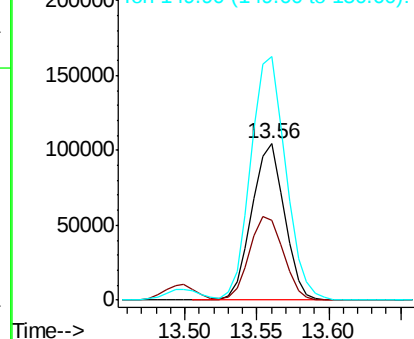


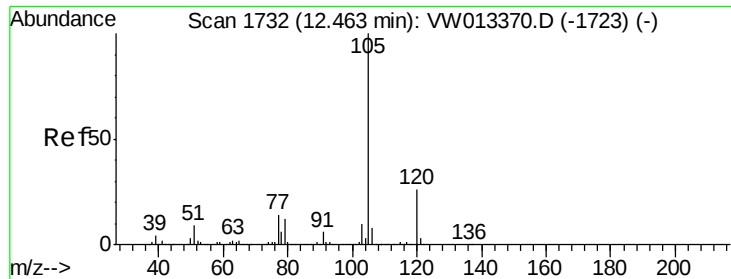
Abundance

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





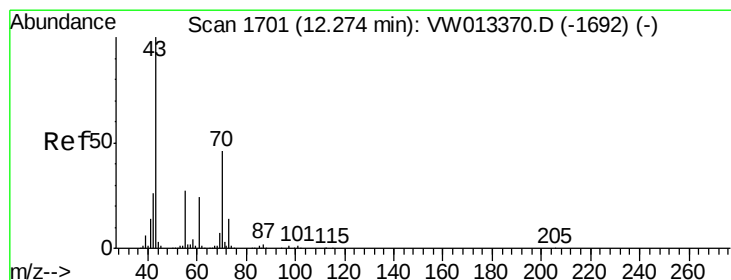
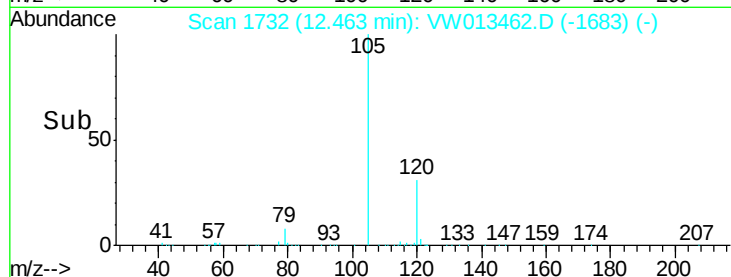
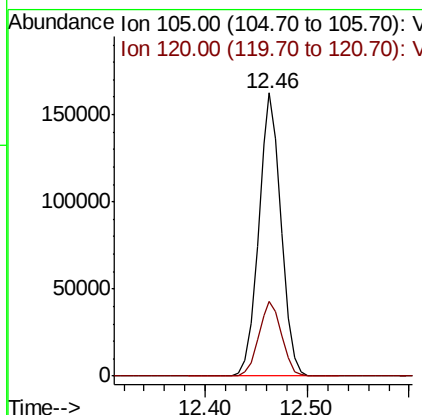
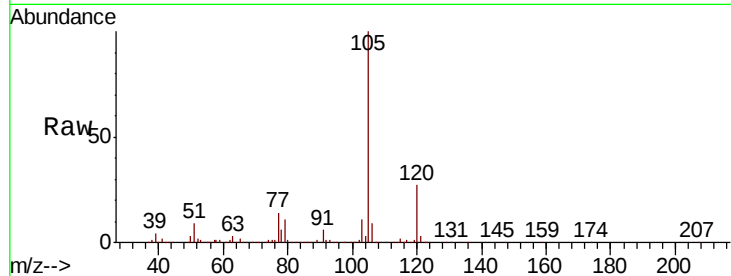
#73  
Isopropylbenzene  
Concen: 20.670 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.1  | 13.4  | 40.1  |

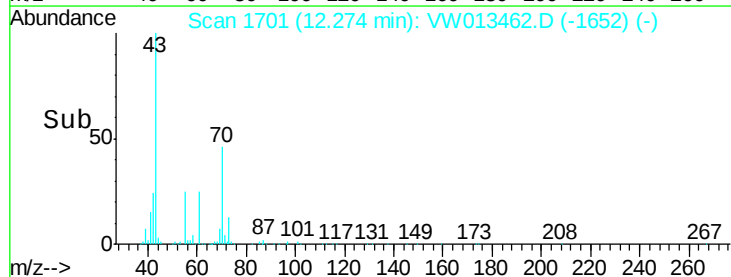
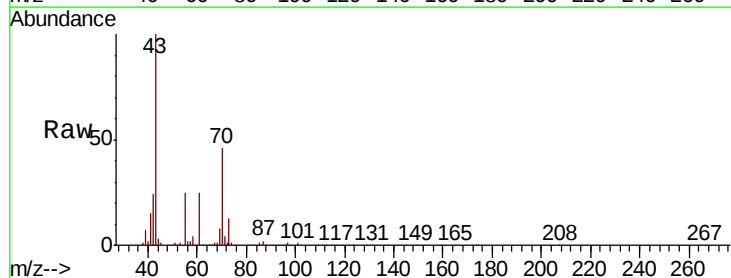
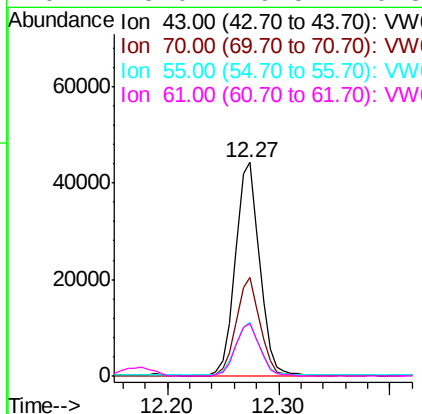
Manual Integrations  
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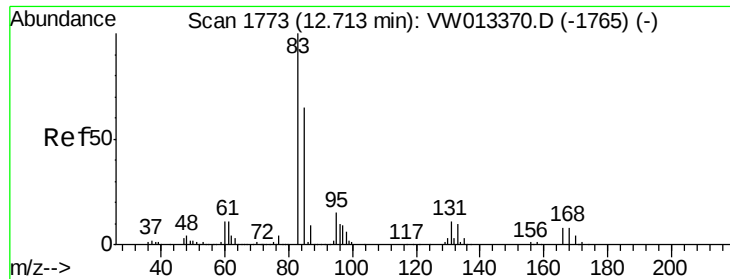
MMDadoda  
10/8/2019 1:30:33 PM



#74  
N-ethyl acetate  
Concen: 26.126 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 45.9  | 35.1  | 52.7  |
| 55      | 24.6  | 19.9  | 29.9  |
| 61      | 25.0  | 19.5  | 29.3  |





#75

1,1,2,2-Tetrachloroethane

Concen: 24.845 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

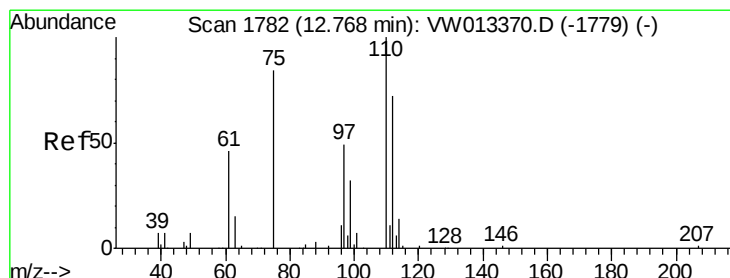
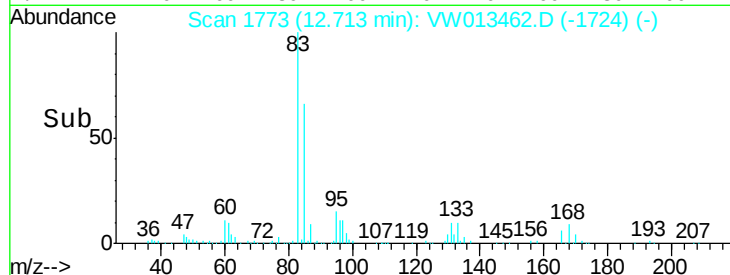
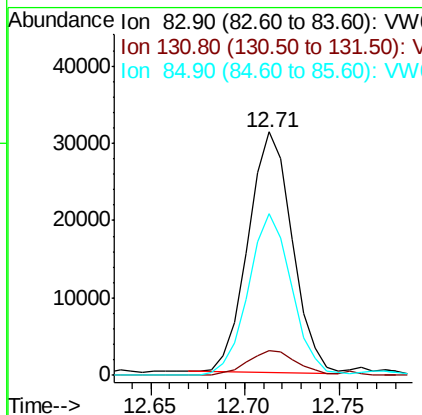
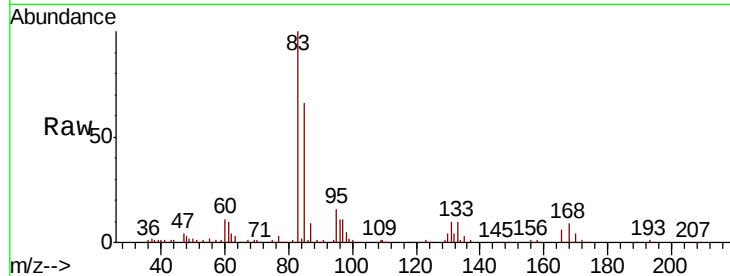
ClientSampleId :

VW1007SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 50388 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.8  | 5.4   | 16.2  |
| 85        | 65.9  | 31.9  | 95.9  |

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#76

1,2,3-Trichloropropane

Concen: 23.683 ug/l m

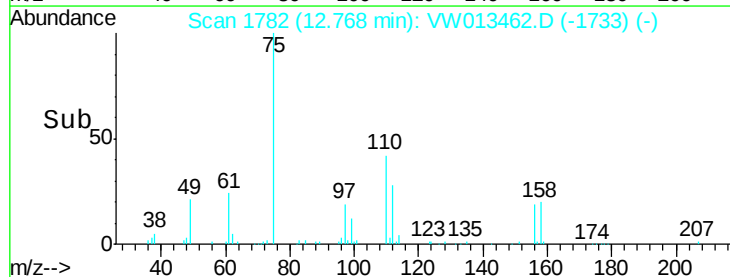
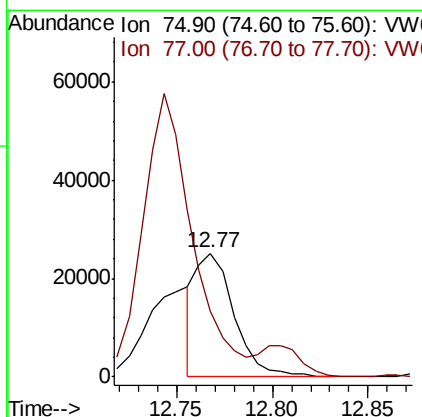
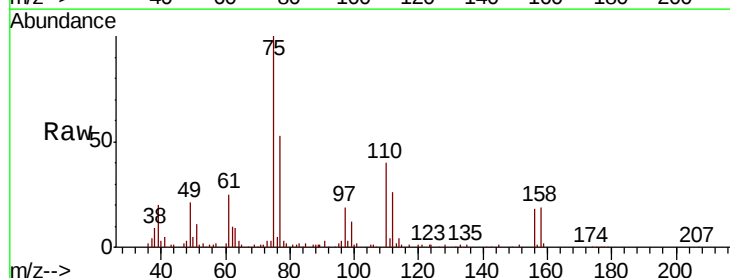
RT: 12.77 min Scan# 1782

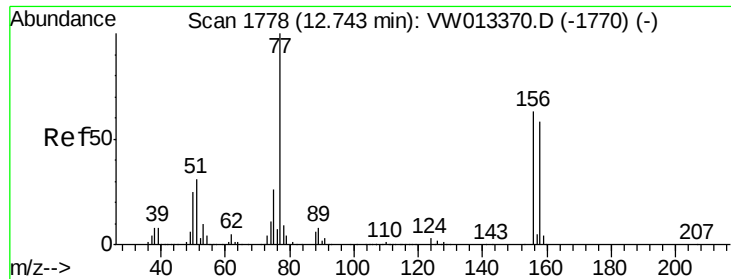
Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 34481 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.583 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

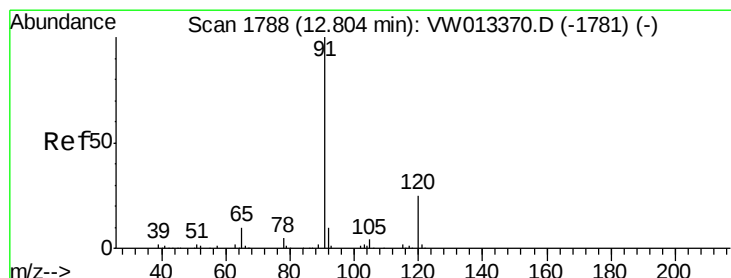
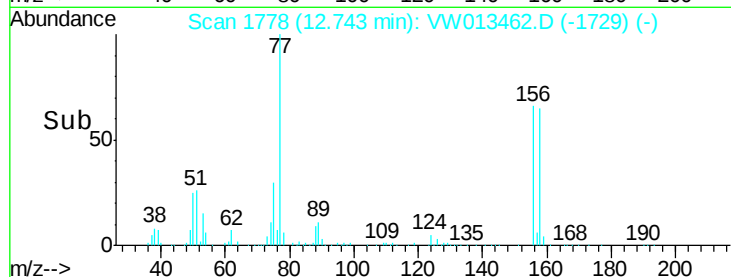
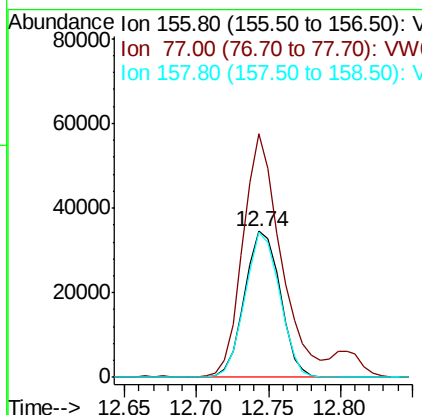
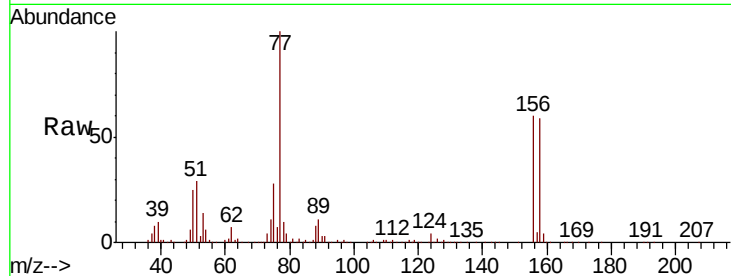
ClientSampleId :

VW1007SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 59221 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 175.7 | 85.7  | 257.1 |
| 158      | 96.7  | 48.1  | 144.4 |

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#78

n-propylbenzene

Concen: 20.723 ug/l

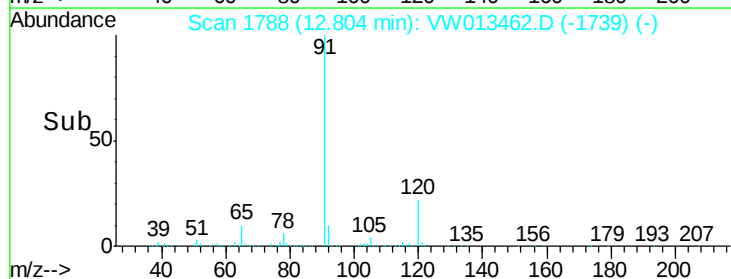
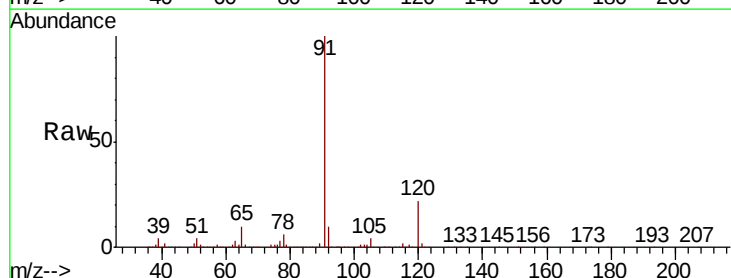
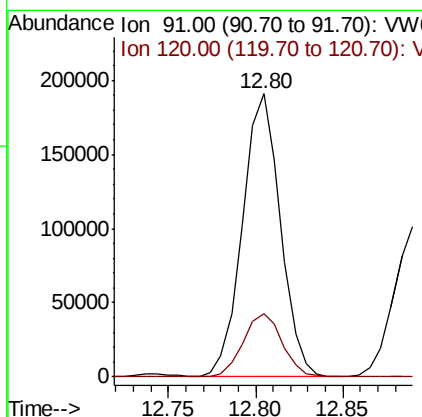
RT: 12.80 min Scan# 1788

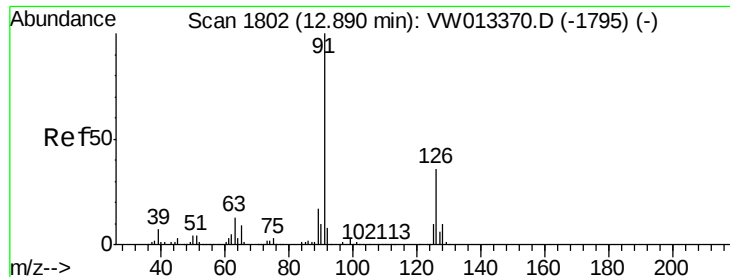
Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 285638 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 23.3  | 11.7  | 35.1   |





#79

2-Chlorotoluene

Concen: 20.934 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleId :

VW1007SBS01

Tot Ion: 91 Resp: 160266

Ion Ratio Lower Upper

91 100

126 35.2

17.2

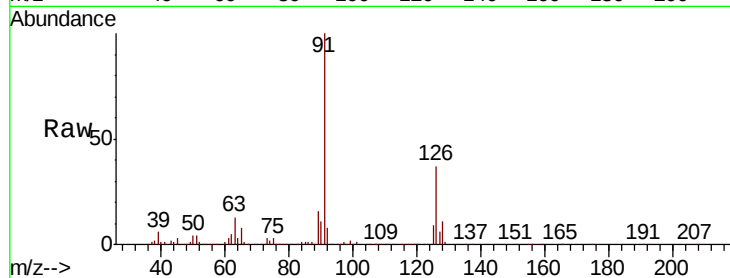
51.5

Manual Integrations

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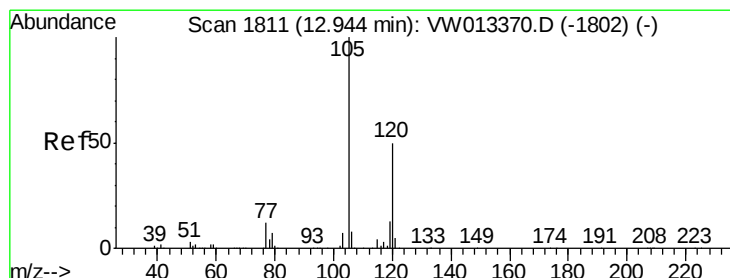
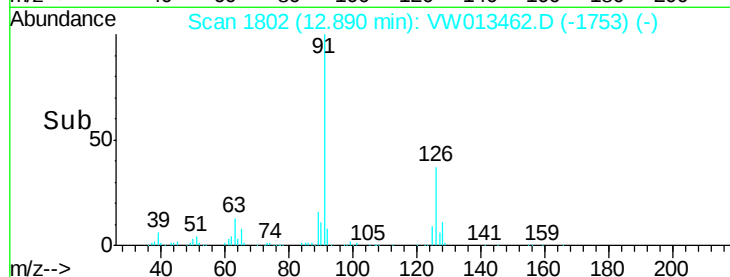
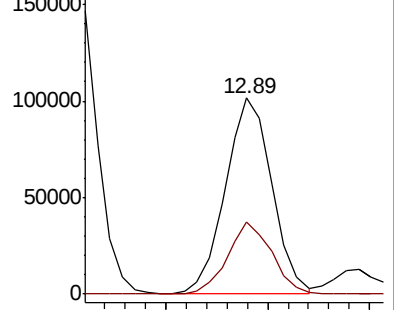
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.753 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Tgt Ion:105 Resp: 206569

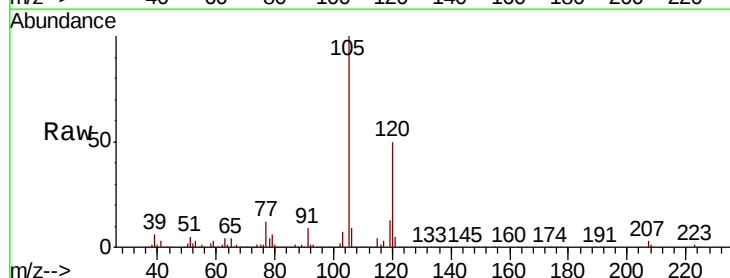
Ion Ratio Lower Upper

105 100

120 50.7

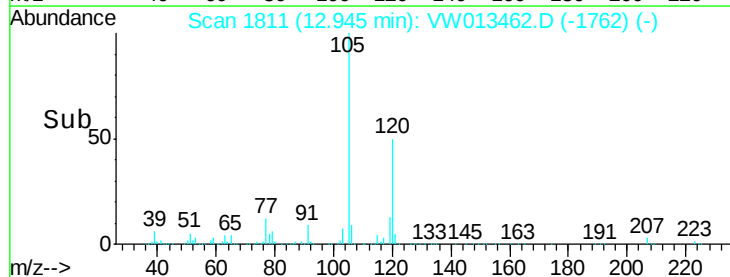
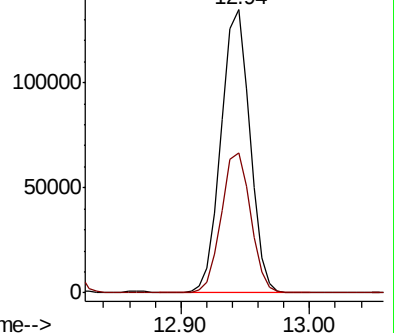
24.9

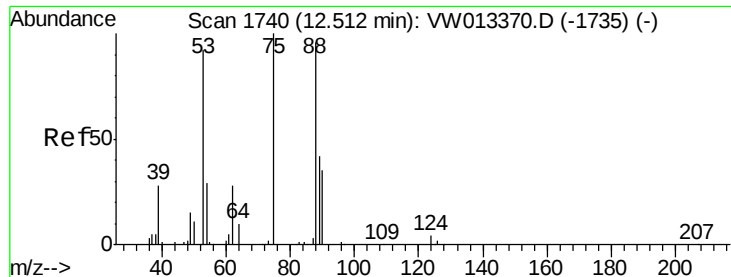
74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 26.939 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampled :

VW1007SBS01

Tot Ion: 75 Resp: 16996

Ion Ratio Lower Upper

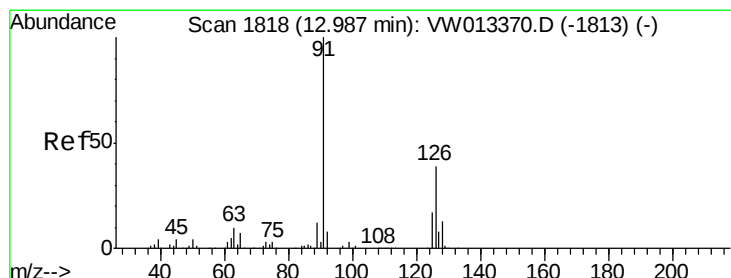
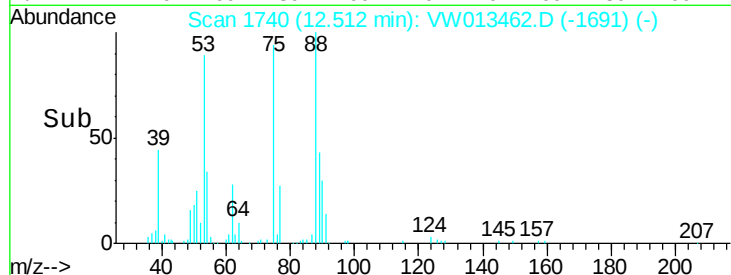
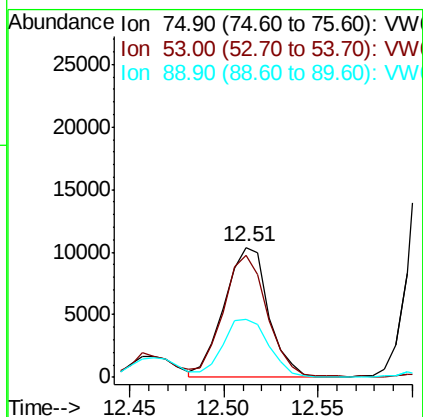
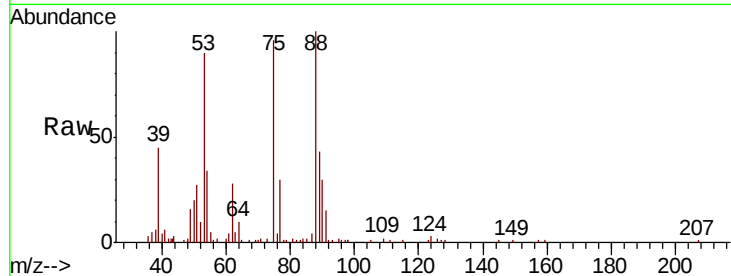
75 100

53 91.2 76.6 114.8

89 45.8 33.5 50.3

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#82

4-Chlorotoluene

Concen: 20.701 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013462.D

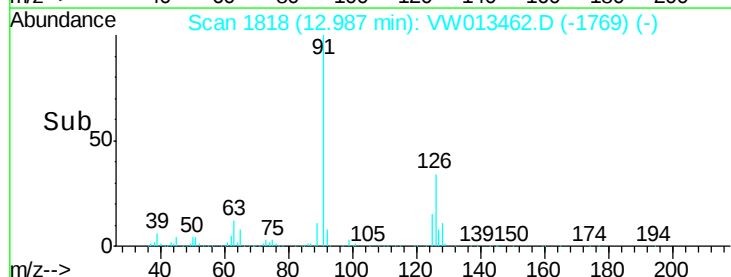
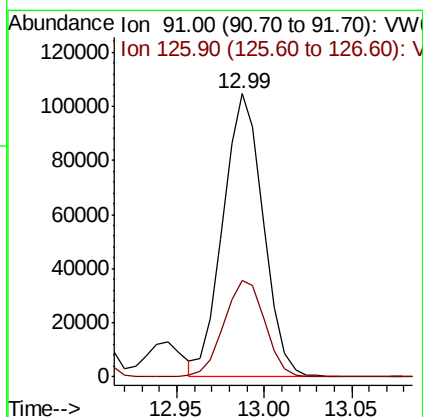
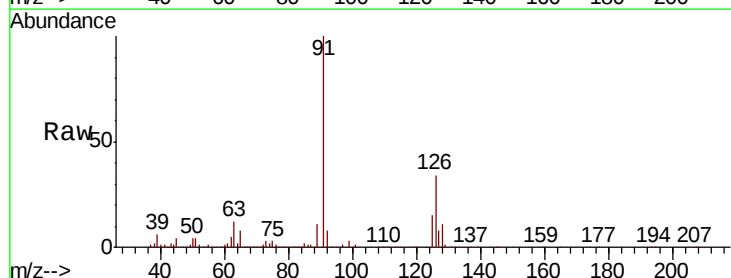
Acq: 07 Oct 2019 14:44

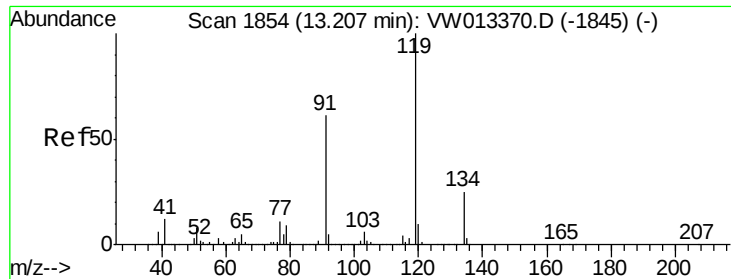
Tgt Ion: 91 Resp: 166010

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7





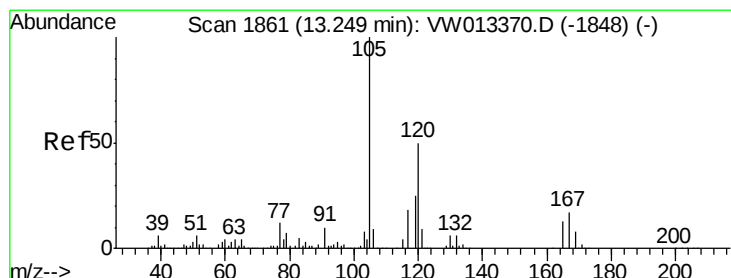
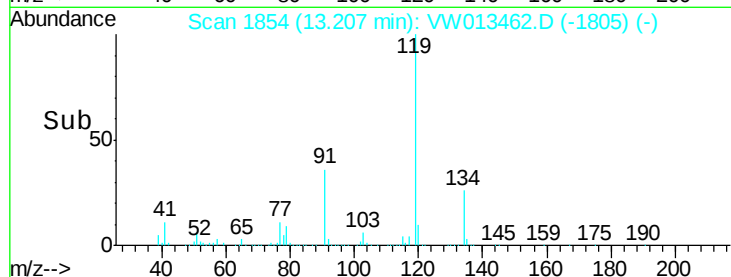
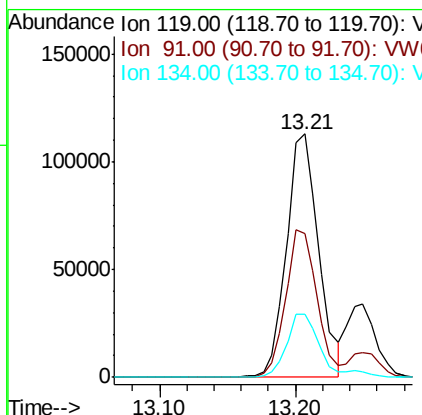
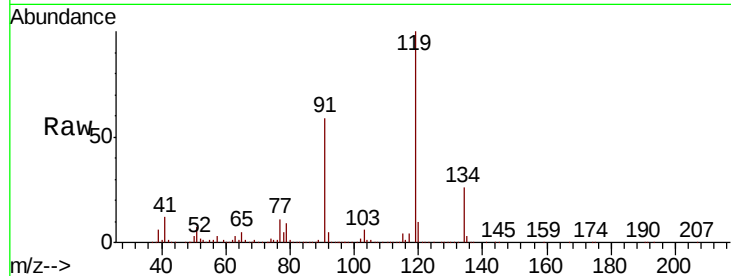
#83  
tert-Butylbenzene  
Concen: 21.280 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 58.7  | 30.7  | 92.1  |
| 134     | 26.0  | 12.6  | 37.6  |

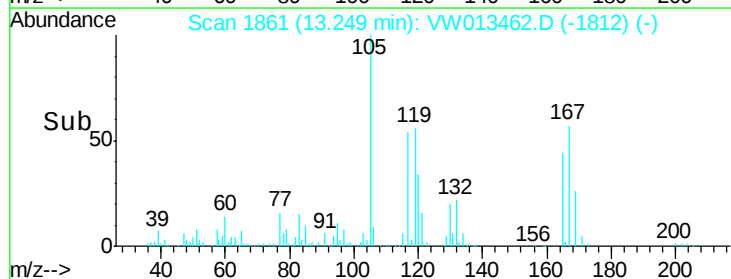
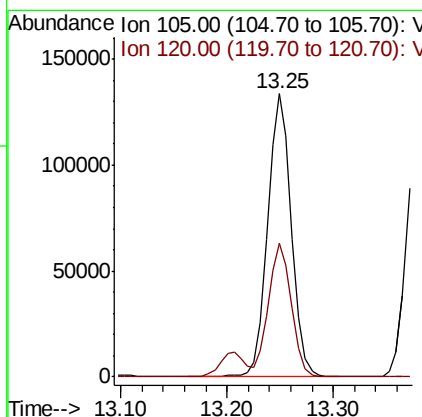
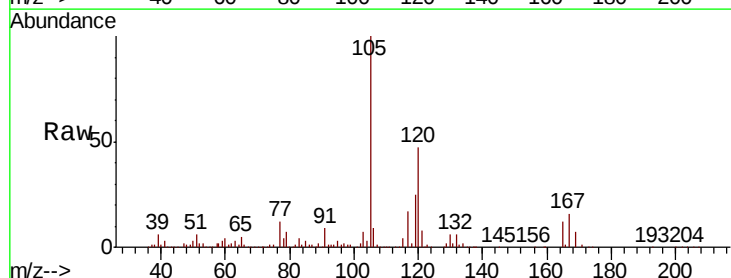
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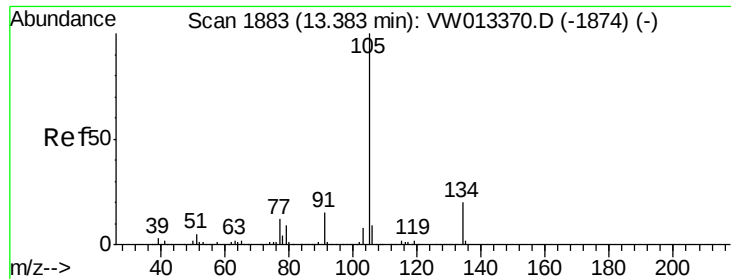
MMDadoda  
10/8/2019 1:30:33 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 20.851 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.7  | 23.4  | 70.3  |





#85

sec-Butylbenzene

Concen: 20.970 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

ClientSampleId :

VW1007SBS01

Tot Ion:105 Resp: 251364

Ion Ratio Lower Upper

105 100

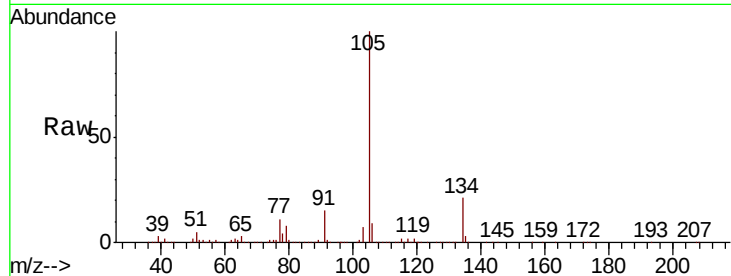
134 21.1 10.3 30.8

Manual Integrations

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10/8/2019 1:30:33 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

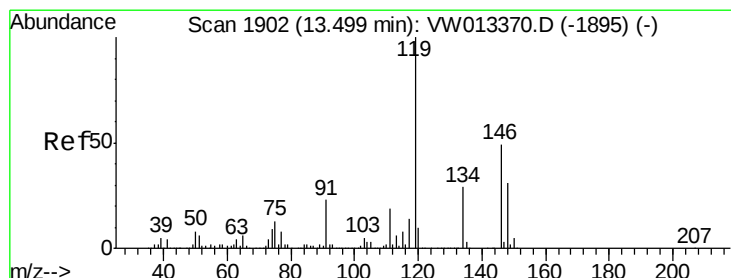
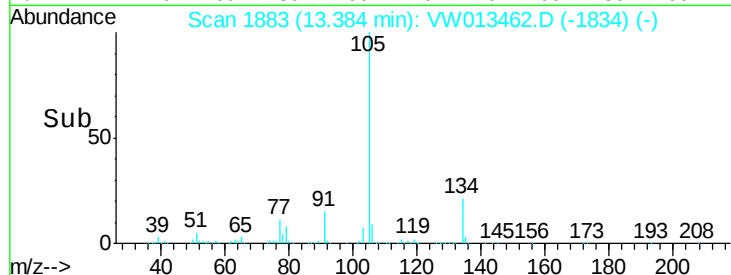
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 20.971 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

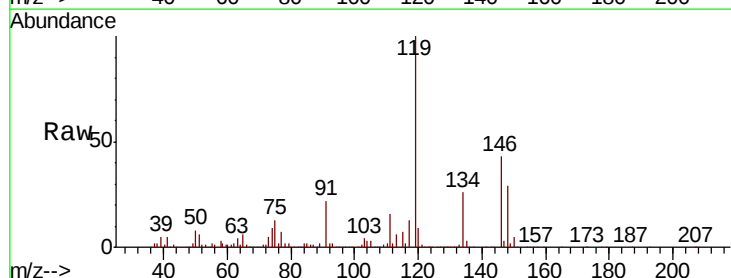
Tgt Ion:119 Resp: 232966

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 21.9 10.8 32.4



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

200000

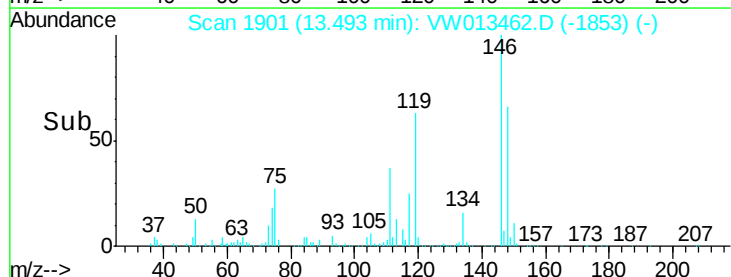
150000

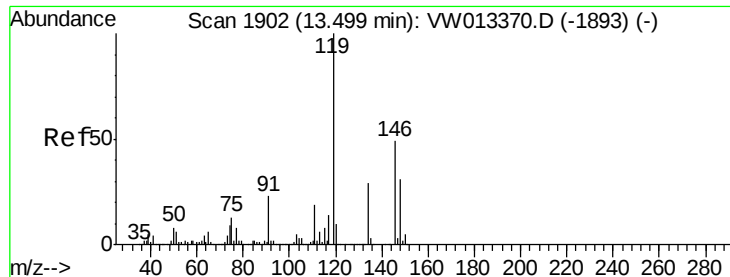
100000

50000

0

Time--> 13.45 13.50 13.55





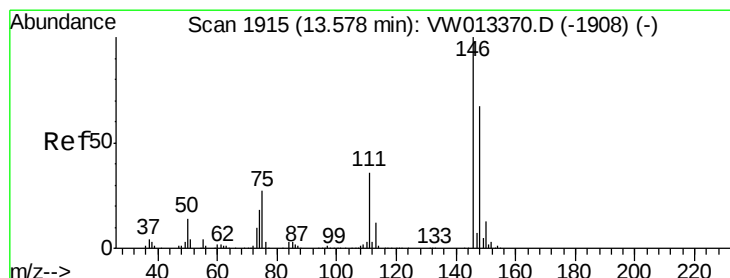
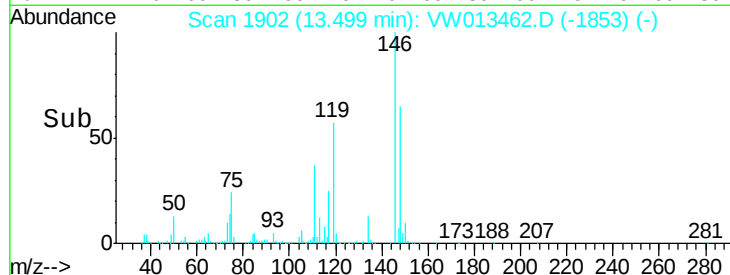
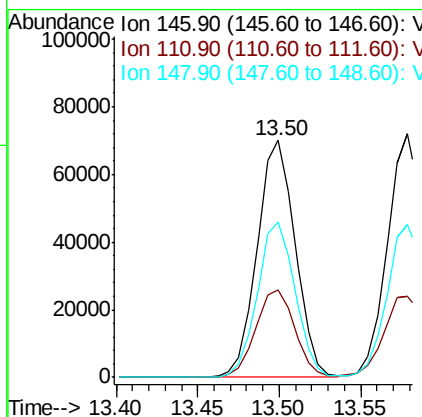
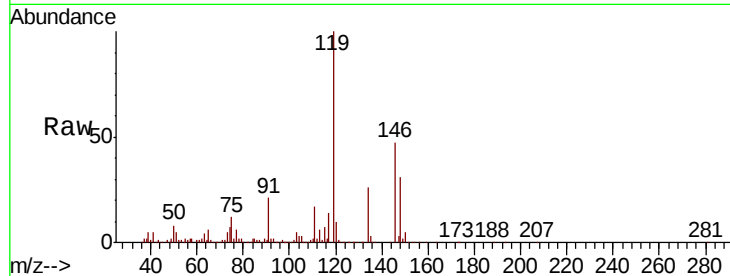
#87  
 1,3-Dichlorobenzene  
 Concen: 20.913 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW013462.D  
 Acq: 07 Oct 2019 14:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1007SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.6  | 18.9  | 56.9  |
| 148     | 65.1  | 31.9  | 95.5  |

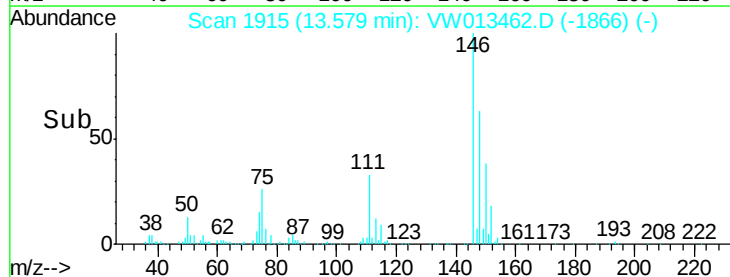
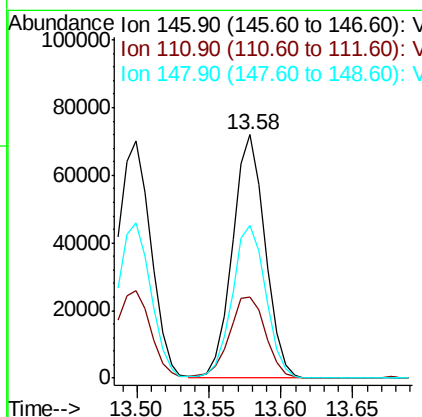
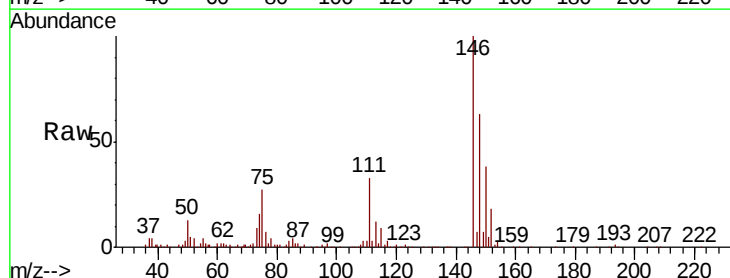
Manual Integrations  
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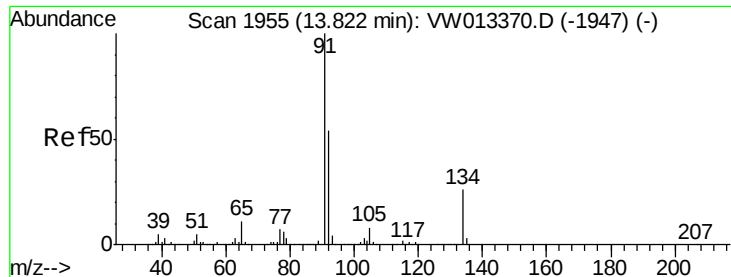
MMDadoda  
 10/8/2019 1:30:33 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.972 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW013462.D  
 Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.3  | 18.4  | 55.0  |
| 148     | 64.8  | 32.1  | 96.3  |





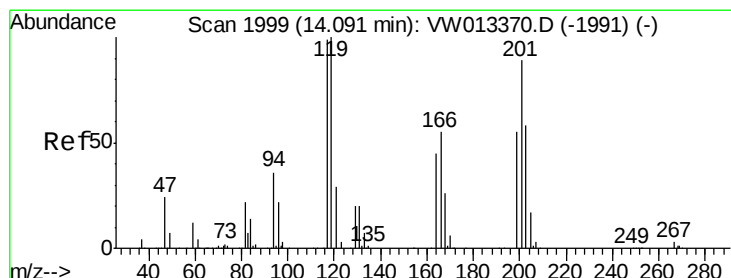
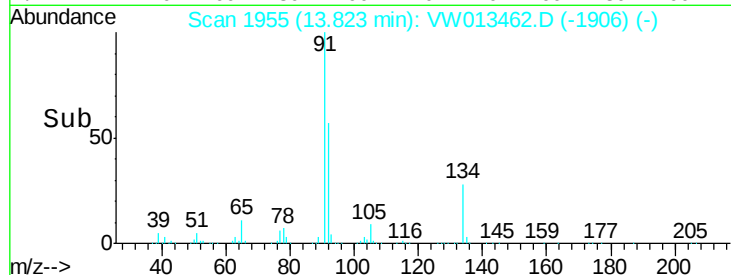
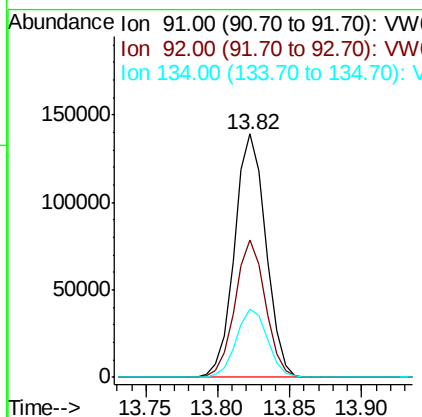
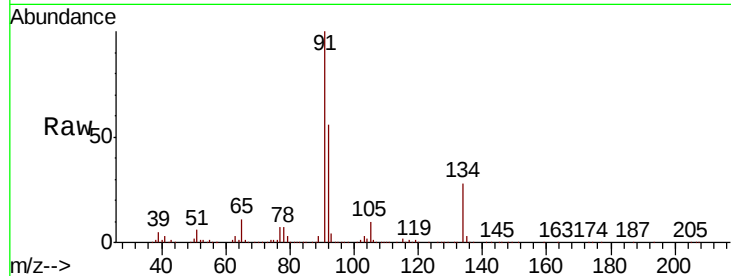
#89  
n-Butylbenzene  
Concen: 21.014 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 210462 |       |       |
| 92      | 54.9  |        | 27.6  | 82.8  |
| 134     | 28.2  |        | 13.7  | 41.1  |

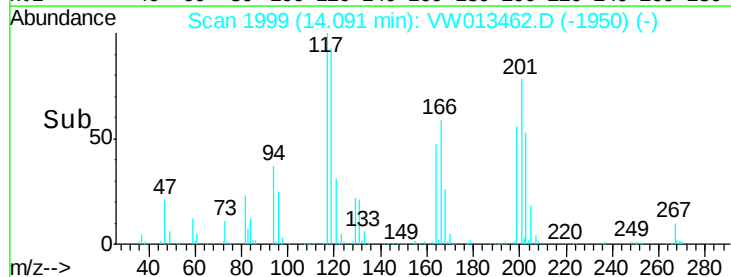
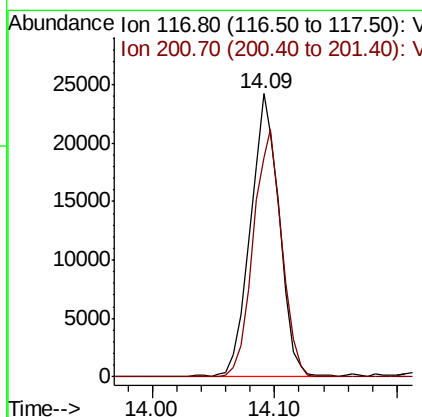
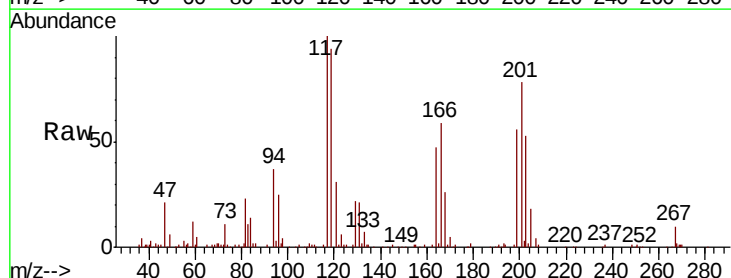
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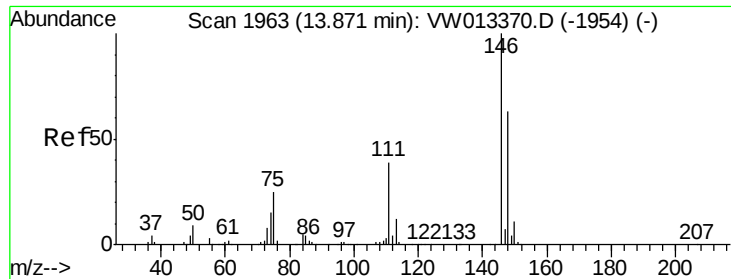
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#90  
Hexachloroethane  
Concen: 21.728 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 39879 |       |       |
| 201     | 86.0  |       | 44.5  | 133.5 |





#91

1,2-Dichlorobenzene

Concen: 21.726 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

Instrument :

MSVOA\_W

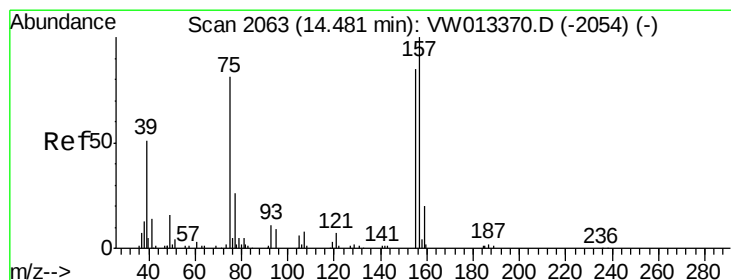
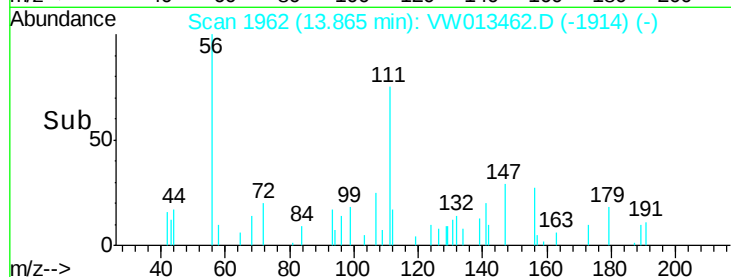
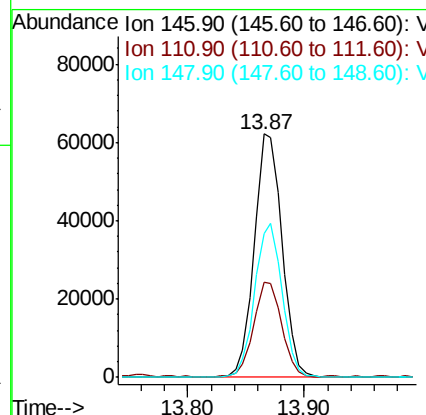
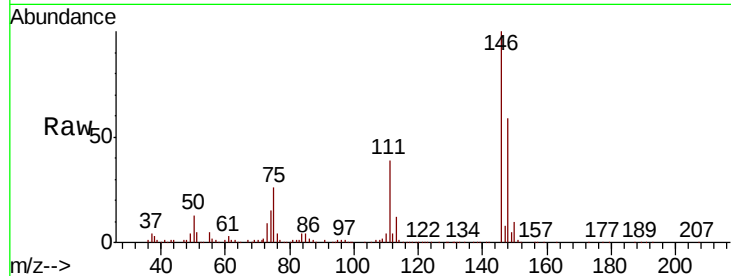
ClientSampleId :

VW1007SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 103963 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.9  | 20.1  | 60.3   |
| 148       | 62.4  | 32.0  | 96.0   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 30.202 ug/l

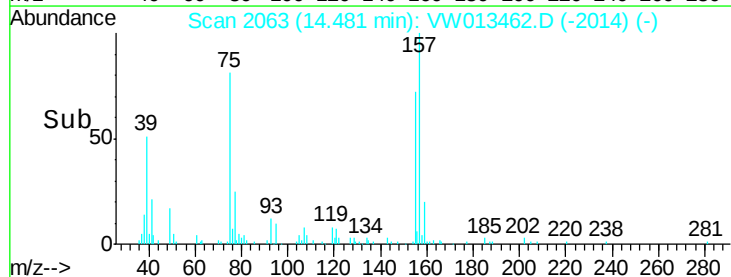
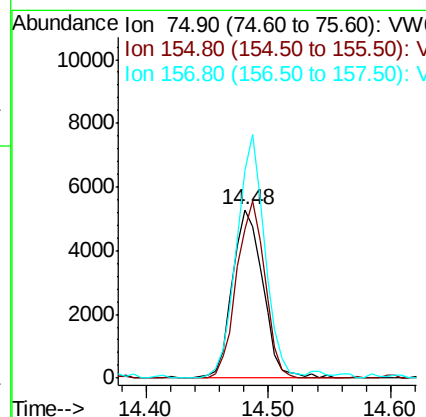
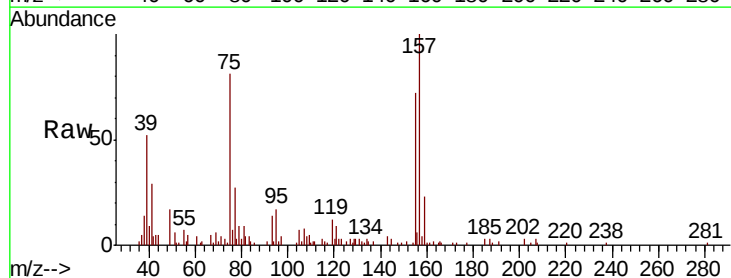
RT: 14.48 min Scan# 2063

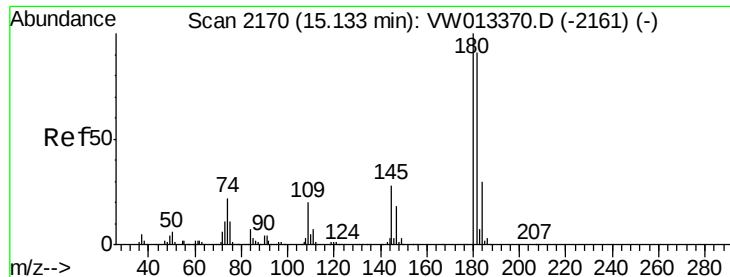
Delta R.T. 0.00 min

Lab File: VW013462.D

Acq: 07 Oct 2019 14:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 9162  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 96.1  | 46.1  | 138.3 |
| 157       | 132.1 | 60.4  | 181.2 |





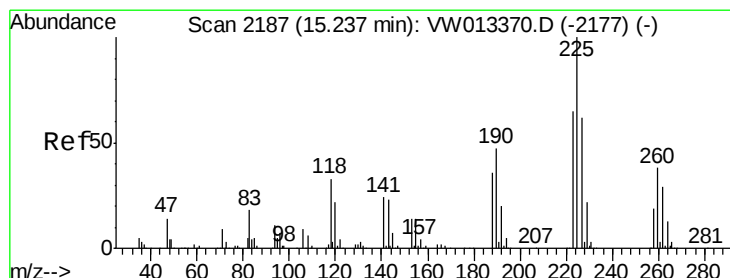
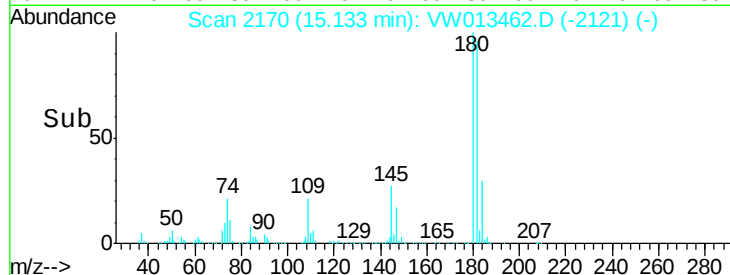
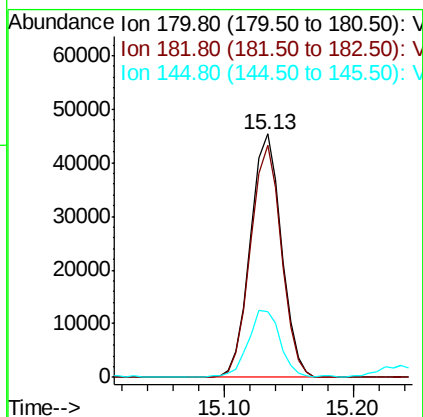
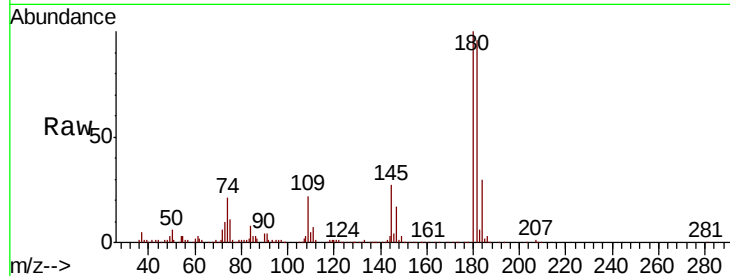
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.970 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. 0.00 min  
 Lab File: VW013462.D  
 Acq: 07 Oct 2019 14:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1007SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.5  | 47.3  | 142.0 |
| 145     | 28.0  | 14.2  | 42.8  |

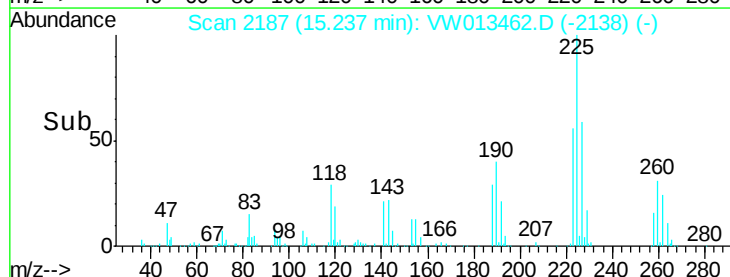
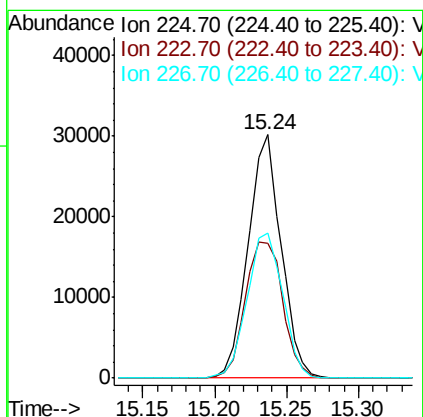
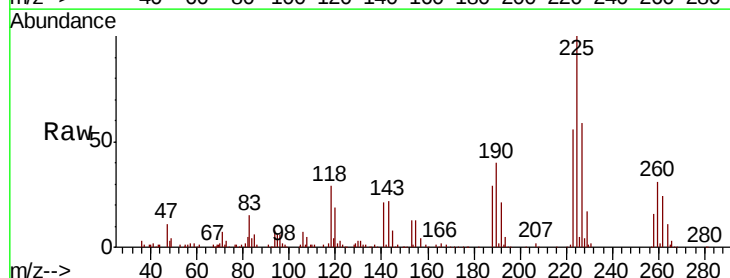
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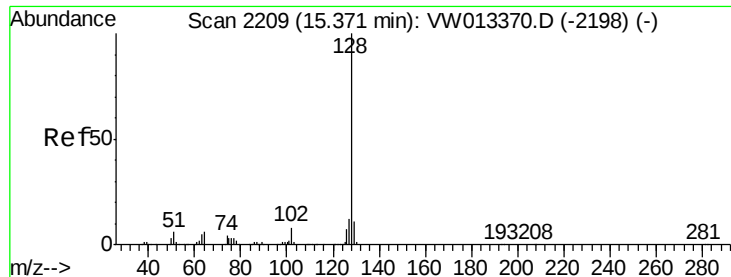
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 10/8/2019 1:30:33 PM



#94  
 Hexachlorobutadiene  
 Concen: 21.445 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. 0.00 min  
 Lab File: VW013462.D  
 Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.5  | 30.6  | 91.8  |
| 227     | 64.1  | 31.9  | 95.9  |





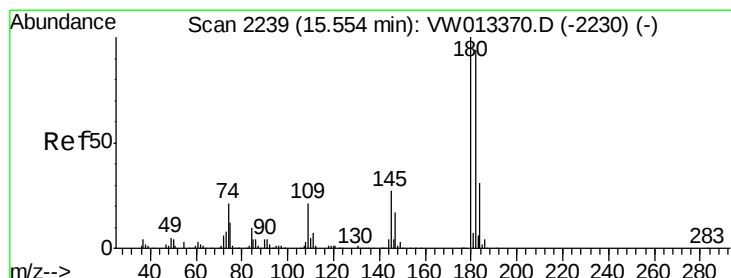
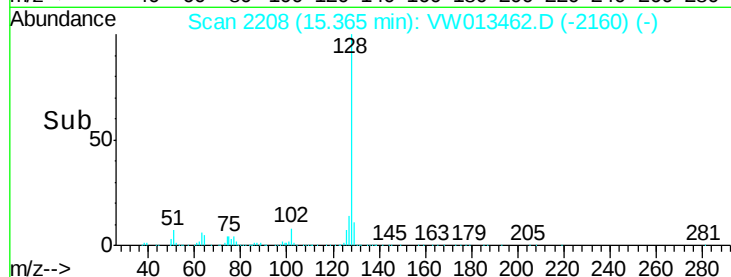
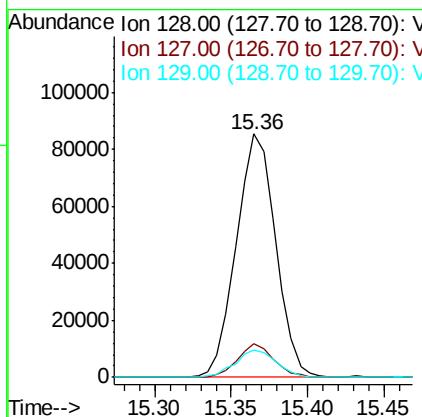
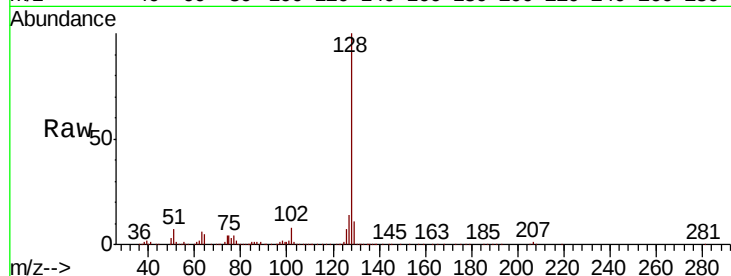
#95  
Naphthalene  
Concen: 26.250 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. -0.01 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1007SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.6  | 15.8  |
| 129     | 11.4  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 22.369 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: VW013462.D  
Acq: 07 Oct 2019 14:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 47.9  | 143.7 |
| 145     | 33.0  | 15.0  | 45.0  |

