

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\  
 Data File : VW013412.D  
 Acq On : 03 Oct 2019 10:32  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 10/4/2019 12:07:07 PM

Quant Time: Oct 04 08:35:38 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  | 354096   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 503878   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 428126   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 217715   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 132912   | 50.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.54% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 137445   | 51.98 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.96% |      |
| 50) Toluene-d8            | 10.32  | 98  | 582815   | 53.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.24% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 194561   | 53.10 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.20% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 76641   | 55.959  | ug/l   | 88     |
| 3) Chloromethane              | 2.21 | 50  | 111855  | 49.492  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.35 | 62  | 171280  | 53.400  | ug/l   | 99     |
| 5) Bromomethane               | 2.78 | 94  | 101881  | 51.700  | ug/l   | 92     |
| 6) Chloroethane               | 2.92 | 64  | 93691   | 50.586  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 87497   | 62.878  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.68 | 74  | 79316   | 49.245  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 162663  | 52.725  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.26 | 142 | 258208  | 51.825  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.20 | 59  | 48775   | 221.973 | ug/l # | 90     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 168460  | 51.681  | ug/l   | 99     |
| 13) Acrolein                  | 3.89 | 56  | 81978   | 304.269 | ug/l   | 98     |
| 14) Allyl chloride            | 4.66 | 41  | 261428  | 54.215  | ug/l   | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 168706  | 231.707 | ug/l   | 100    |
| 16) Acetone                   | 4.13 | 43  | 173841  | 214.508 | ug/l   | 97     |
| 17) Carbon Disulfide          | 4.38 | 76  | 484121  | 53.238  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 79627   | 41.979  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 238202  | 49.651  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.91 | 84  | 167439  | 49.472  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 179178  | 51.617  | ug/l   | 95     |
| 22) Diisopropyl ether         | 6.31 | 45  | 481434  | 51.699  | ug/l   | 97     |
| 23) Vinyl Acetate             | 6.25 | 43  | 1418764 | 253.906 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 295083  | 52.025  | ug/l   | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 229646  | 221.454 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 179421  | 54.834  | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 187354  | 51.563  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.51 | 49  | 108742  | 53.025  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 137308  | 228.516 | ug/l   | 99     |
| 30) Chloroform                | 7.67 | 83  | 283384  | 50.953  | ug/l   | 99     |
| 31) Cyclohexane               | 7.95 | 56  | 302076  | 49.940  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 233398  | 53.566  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 248300  | 53.055  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.25 | 43  | 95659   | 46.323  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 8.06 | 117 | 217629  | 53.682  | ug/l   | 98     |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 10/4/2019 12:07:07 PM

Quant Time: Oct 04 08:35:38 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   | 325264   | 52.772  | ug/l   | 100      |
| 40) Benzene                    | 8.32  | 78   | 685688   | 51.757  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.48  | 41   | 58262    | 46.782  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 172738   | 50.731  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 182184   | 46.864  | ug/l   | 100      |
| 44) Trichloroethene            | 9.09  | 130  | 192408   | 51.574  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 163696   | 51.462  | ug/l   | 100      |
| 46) Dibromomethane             | 9.46  | 93   | 78975    | 49.846  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.64  | 83   | 203424   | 52.156  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.43  | 41   | 91814    | 49.154  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 23857    | 975.928 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 464135   | 227.242 | ug/l   | 98       |
| 52) Toluene                    | 10.38 | 92   | 446765   | 52.283  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 208785   | 51.464  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 257784   | 52.408  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 117650   | 49.778  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 155750   | 48.958  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 204999   | 49.892  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 350096   | 267.904 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.97 | 43   | 341255   | 241.051 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 138573   | 51.249  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 112858   | 49.415  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 165659   | 50.860  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 461142   | 52.576  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 157648   | 52.772  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 837894   | 53.302  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 648086   | 106.810 | ug/l   | 100      |
| 69) o-Xylene                   | 12.16 | 106  | 299229   | 53.338  | ug/l   | 97       |
| 70) Styrene                    | 12.18 | 104  | 512234   | 53.413  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 82854    | 51.155  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 841125   | 52.817  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 166665   | 49.175  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 127481   | 47.294  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 80814m   | 41.765  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 193701   | 50.654  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.80 | 91   | 977975   | 53.387  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 539525   | 53.026  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 697247   | 52.706  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 43411    | 47.900  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 563182   | 52.840  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 620856   | 53.730  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 687029   | 52.241  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 857809   | 53.844  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 795934   | 53.909  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 379640   | 52.770  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 370996   | 51.503  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.82 | 91   | 733168   | 55.079  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.09 | 117  | 131987   | 54.109  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 326417   | 51.325  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 19270    | 47.795  | ug/l   | 93       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\  
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Acq On : 03 Oct 2019 10:32  
Operator : SY/VA  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

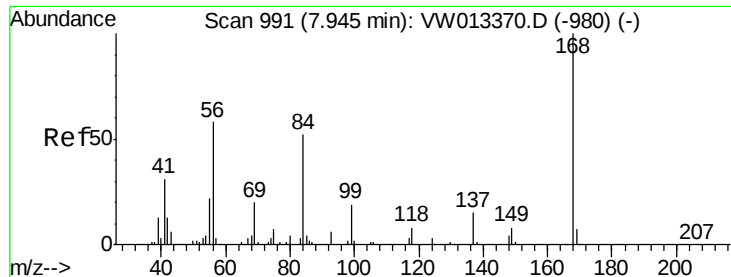
MMDadoda  
10/4/2019 12:07:07 PM

Quant Time: Oct 04 08:35:38 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) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 241206   | 52.848 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 159864   | 53.919 | ug/l  | 99       |
| 95) Naphthalene            | 15.36 | 128  | 390071   | 50.664 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 207270   | 52.014 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 354096

Ion Ratio Lower Upper

168 100

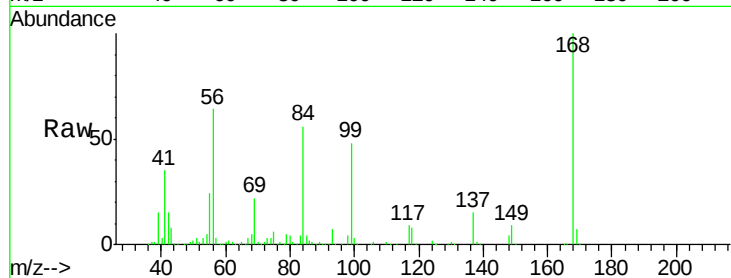
99 47.9 40.2 60.4

Manual Integrations

APPROVED

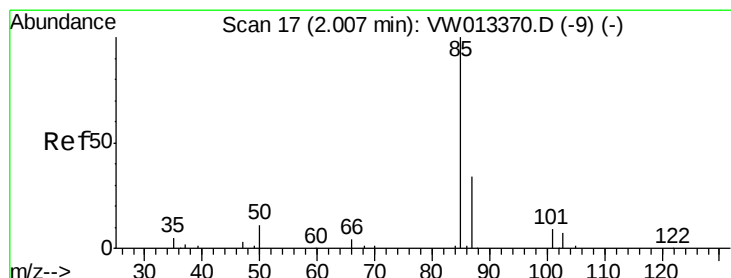
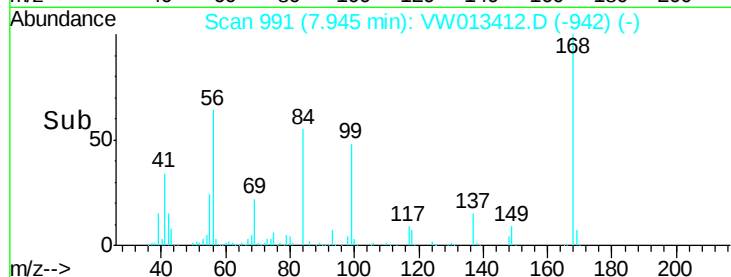
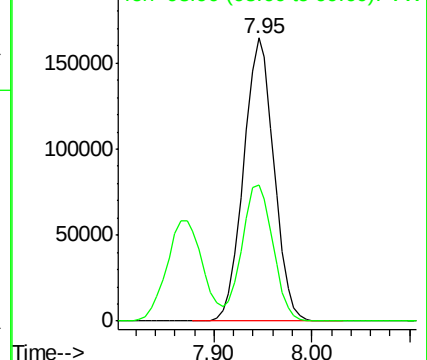
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 55.959 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013412.D

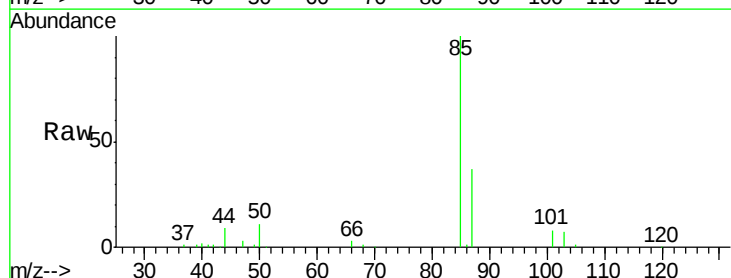
Acq: 03 Oct 2019 10:32

Tgt Ion: 85 Resp: 76641

Ion Ratio Lower Upper

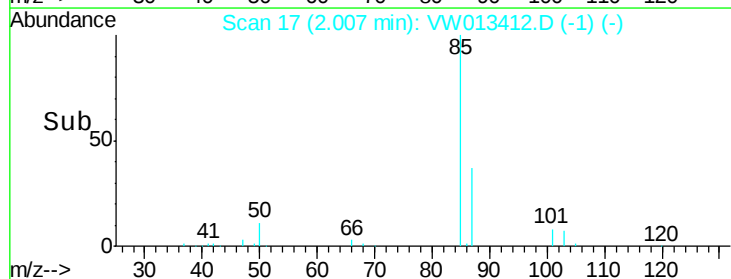
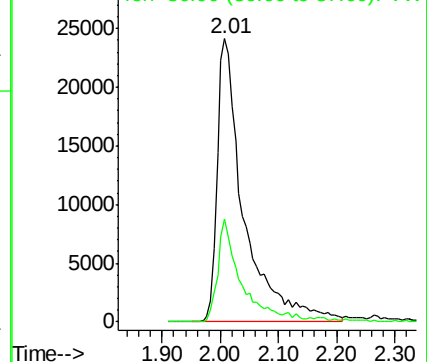
85 100

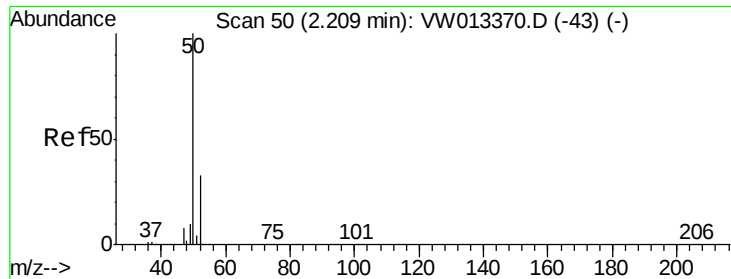
87 36.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 49.492 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 111855

Ion Ratio Lower Upper

50 100

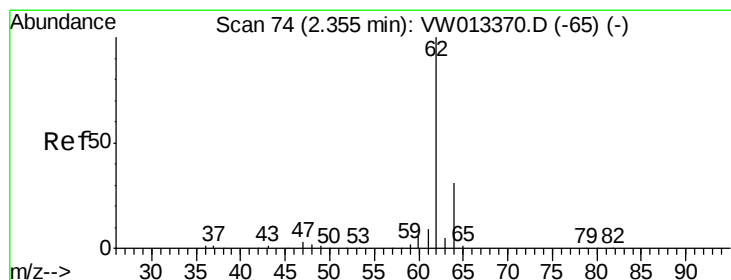
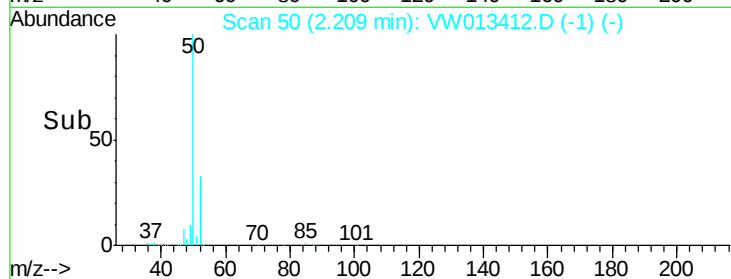
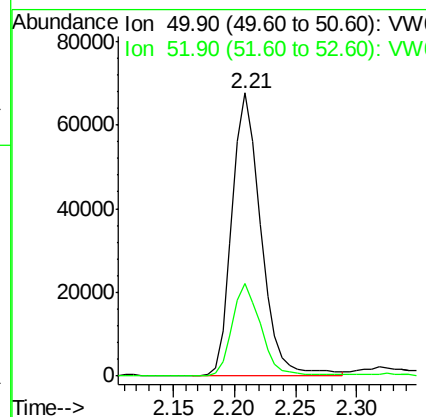
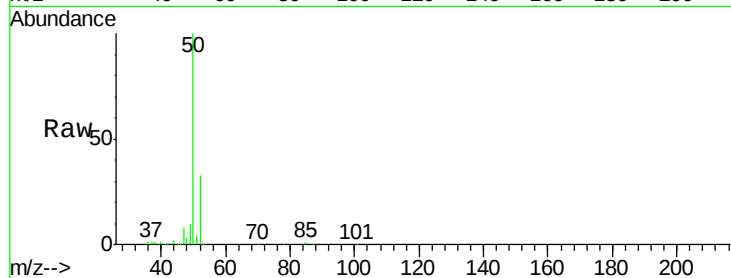
52 32.7 26.1 39.1

Manual Integrations

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10/4/2019 12:07:07 PM



#4

Vinyl Chloride

Concen: 53.400 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013412.D

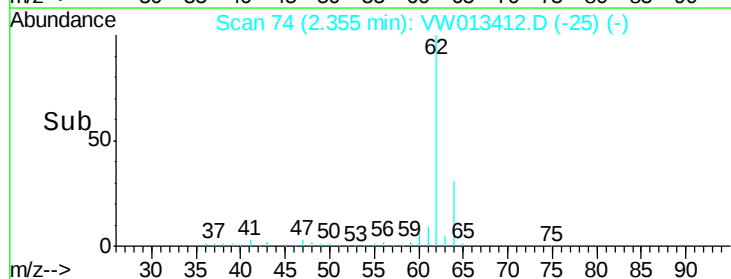
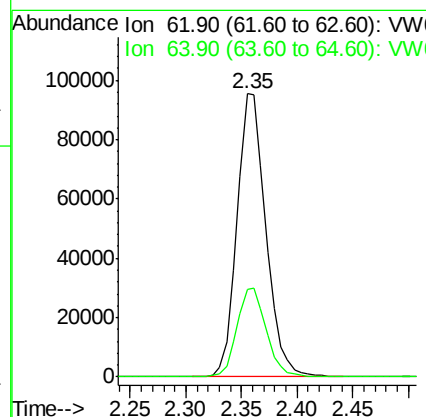
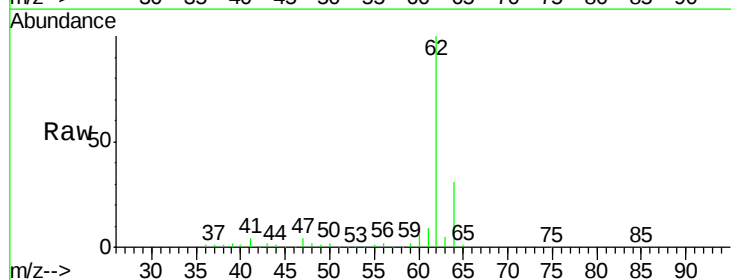
Acq: 03 Oct 2019 10:32

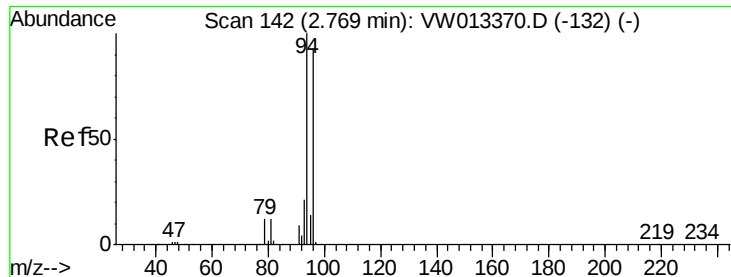
Tgt Ion: 62 Resp: 171280

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9





#5

Bromomethane

Concen: 51.700 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 101881

Ion Ratio Lower Upper

94 100

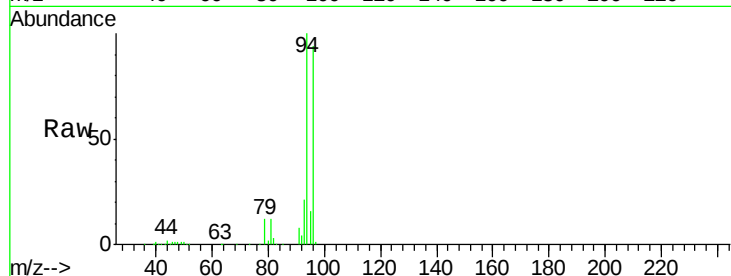
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Manual Integrations

APPROVED

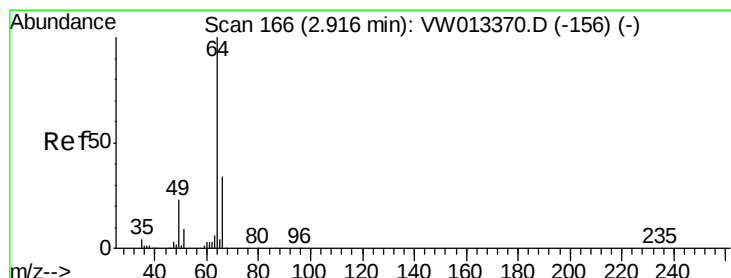
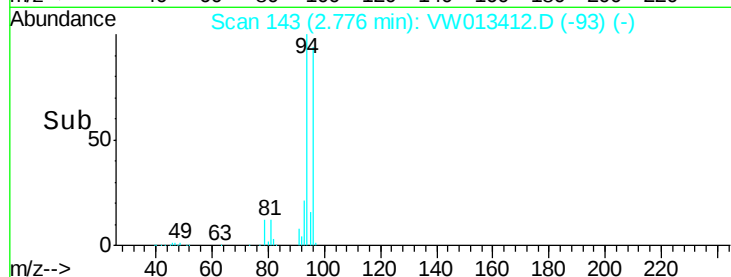
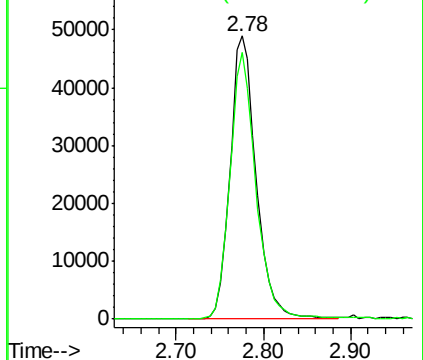
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 50.586 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013412.D

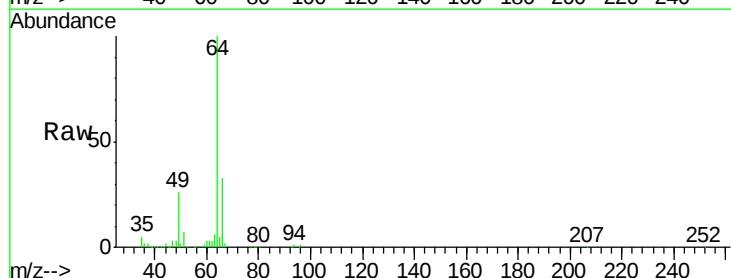
Acq: 03 Oct 2019 10:32

Tgt Ion: 64 Resp: 93691

Ion Ratio Lower Upper

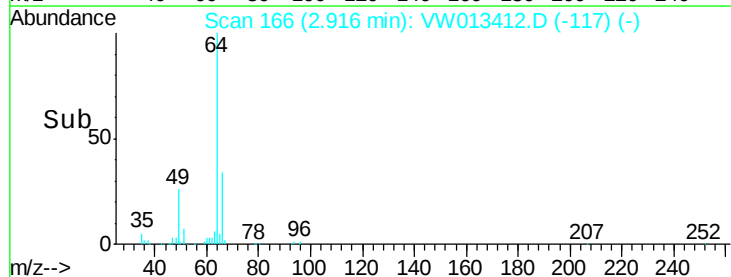
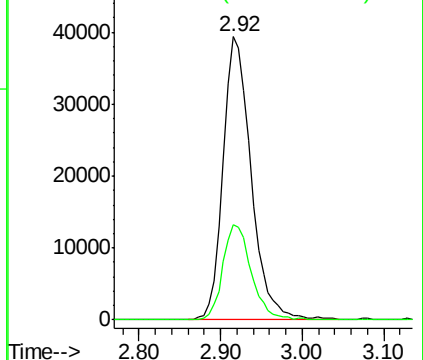
64 100

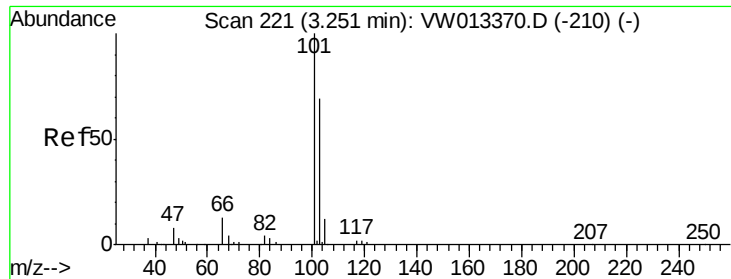
66 33.5 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

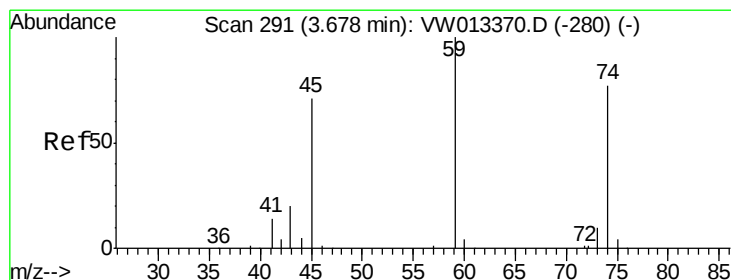
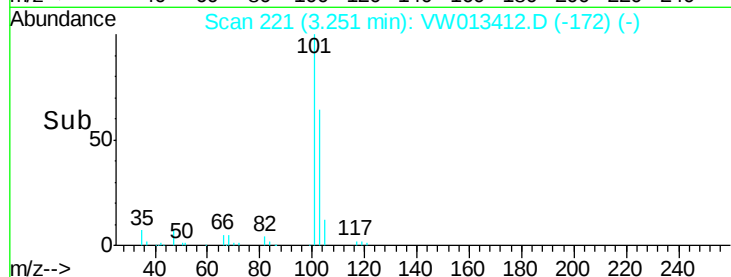
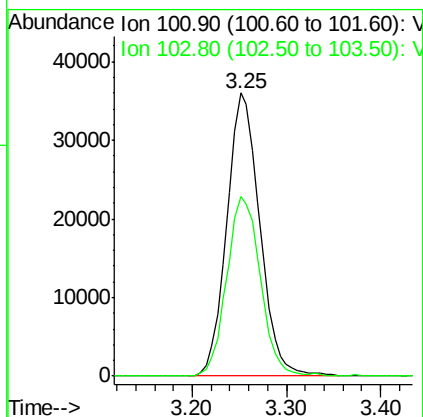
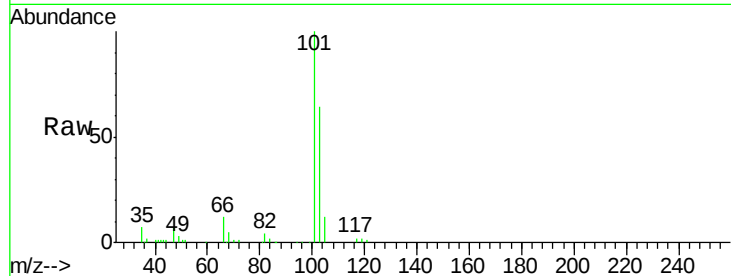
Trichlorofluoromethane  
Concen: 62.878 ug/l  
RT: 3.25 min Scan# 221  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.6  | 49.7  | 74.5  |

Manual Integrations  
APPROVED

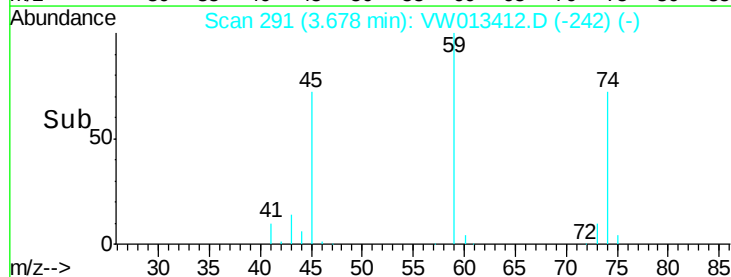
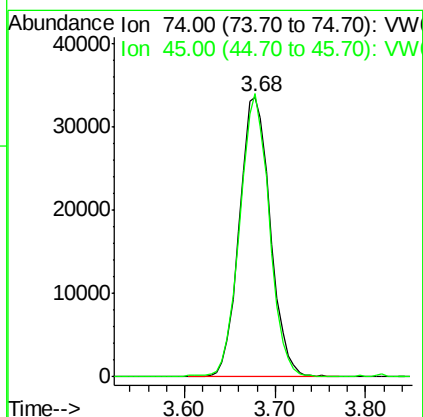
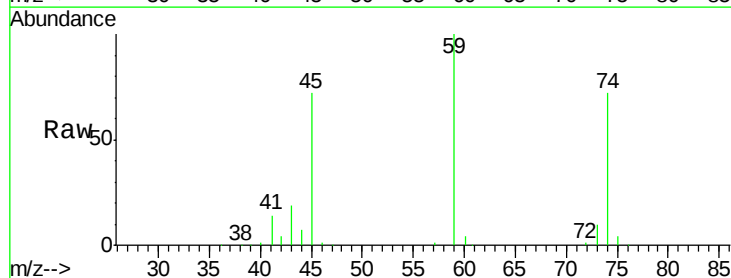
MMDadoda  
10/4/2019 12:07:07 PM

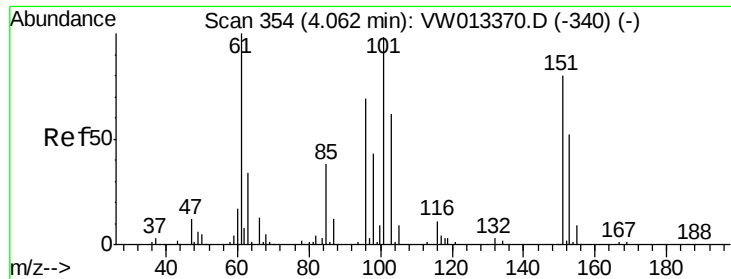


#8

Diethyl Ether  
Concen: 49.245 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 96.9  | 49.5  | 148.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.725 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

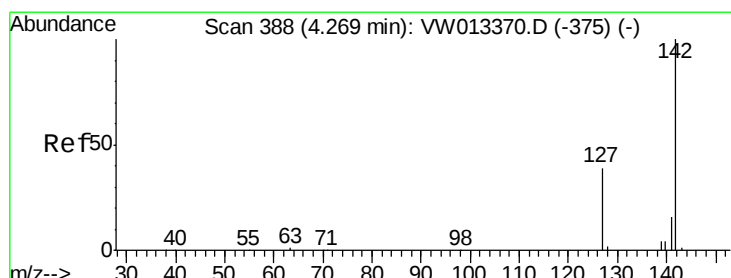
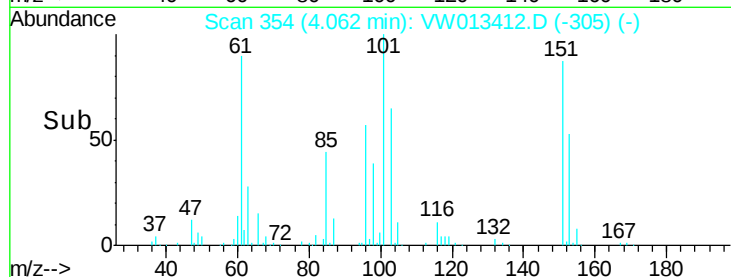
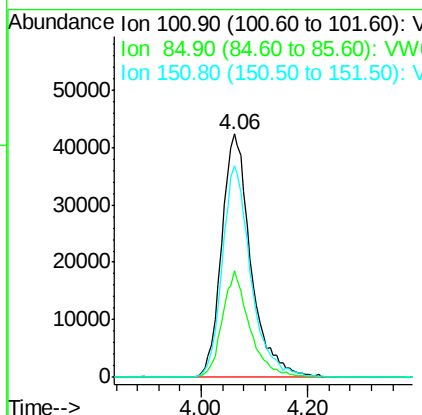
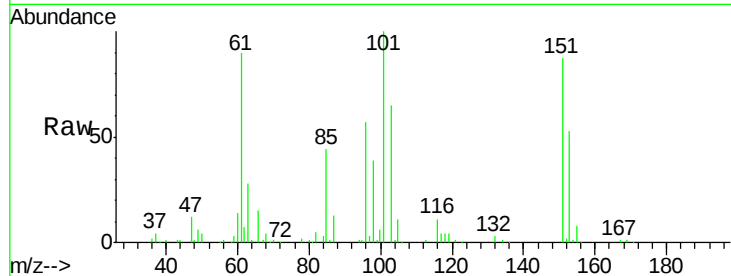
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 162663 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.0  | 33.4  | 50.0   |
| 151       | 85.3  | 66.9  | 100.3  |

Manual Integrations  
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MMDadoda  
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#10

Methyl Iodide

Concen: 51.825 ug/l

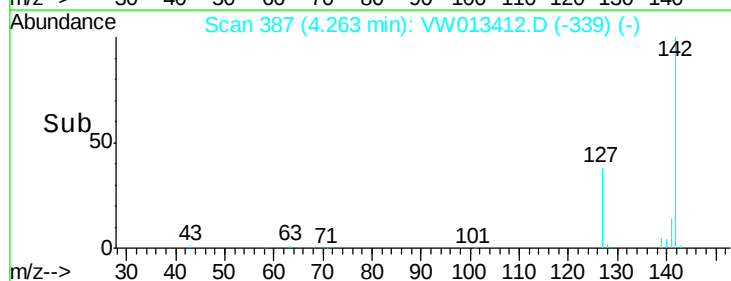
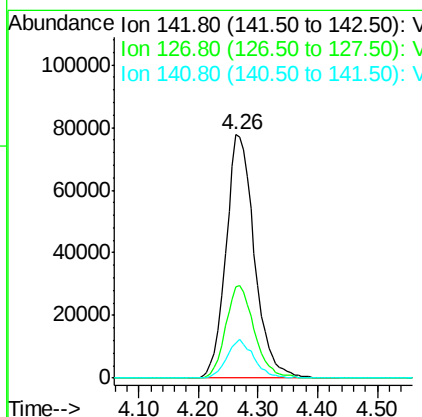
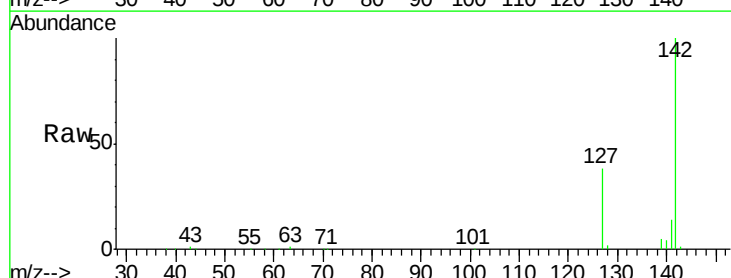
RT: 4.26 min Scan# 387

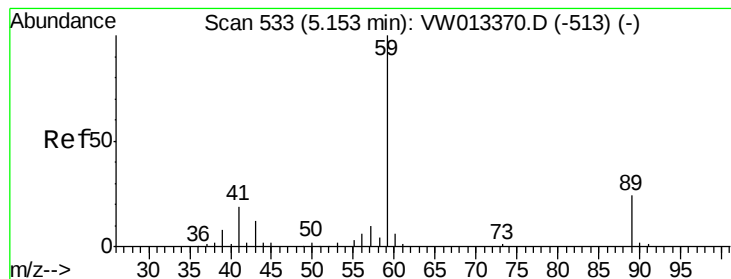
Delta R.T. -0.01 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 258208 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.1  | 30.9  | 46.3   |
| 141       | 15.2  | 11.7  | 17.5   |





#11

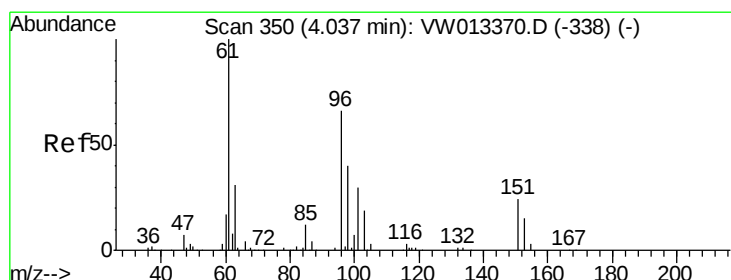
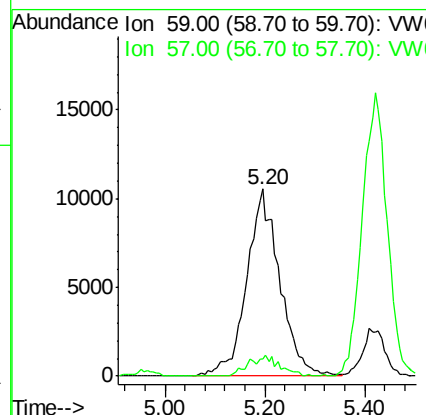
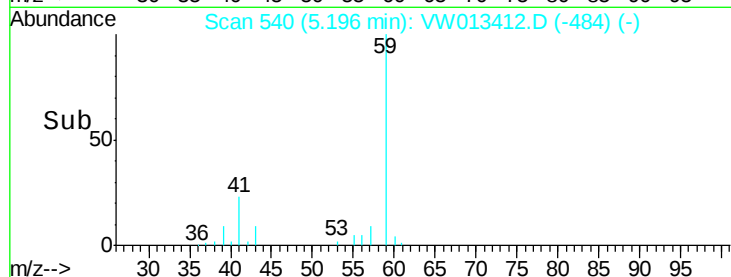
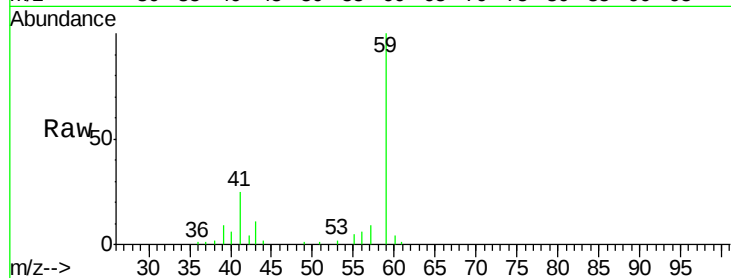
Tert butyl alcohol  
Concen: 221.973 ug/l  
RT: 5.20 min Scan# 540  
Delta R.T. 0.04 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 6.5   | 8.2   | 12.2# |

Manual Integrations  
APPROVED

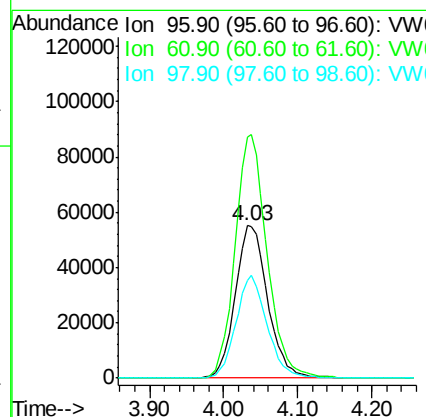
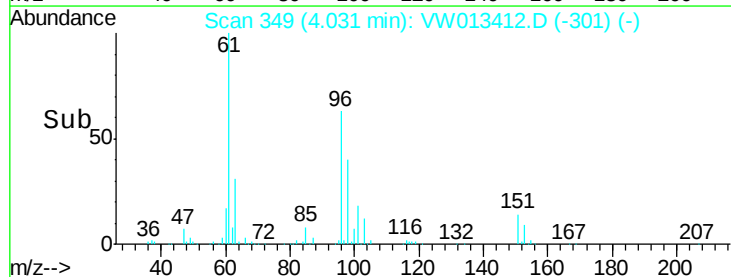
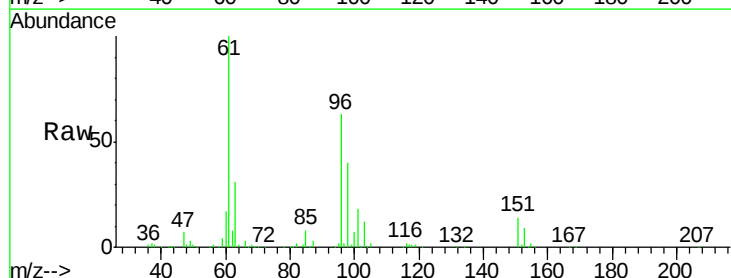
MMDadoda  
10/4/2019 12:07:07 PM

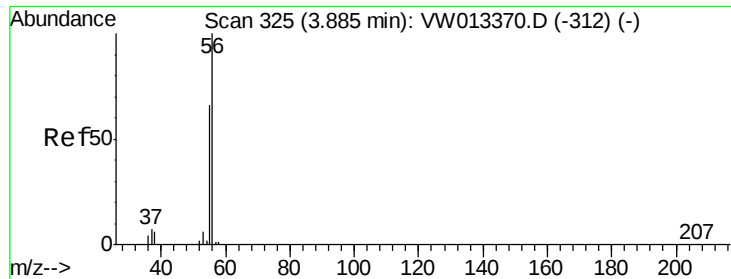


#12

1,1-Dichloroethene  
Concen: 51.681 ug/l  
RT: 4.03 min Scan# 349  
Delta R.T. -0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 157.9 | 125.1 | 187.7 |
| 98      | 63.9  | 50.8  | 76.2  |





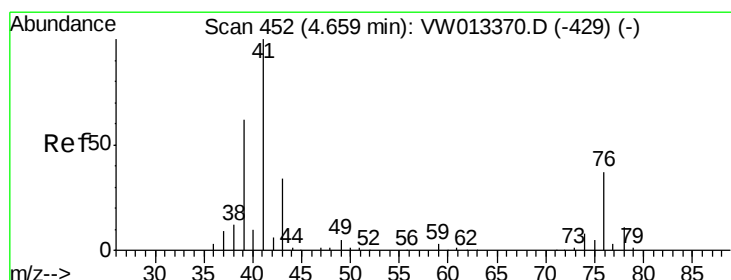
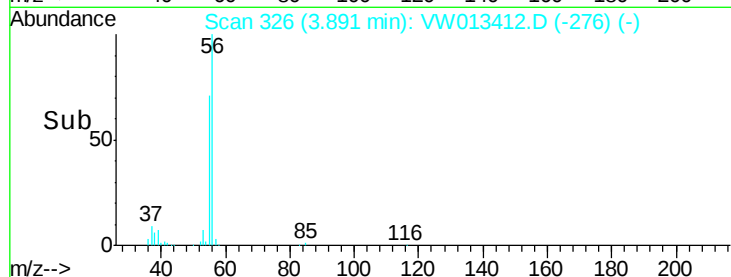
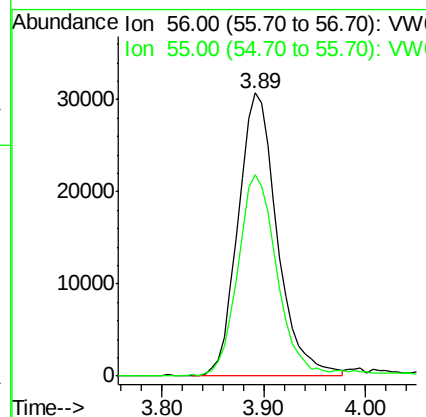
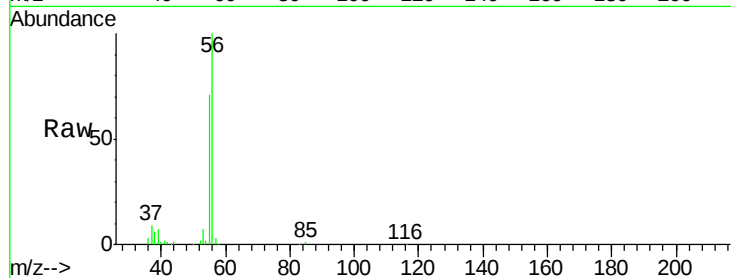
#13  
Acrolein  
Concen: 304.269 ug/l  
RT: 3.89 min Scan# 326  
Delta R.T. 0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 56   | Resp  | 81978 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 71.0 | 55.4  | 83.0  |

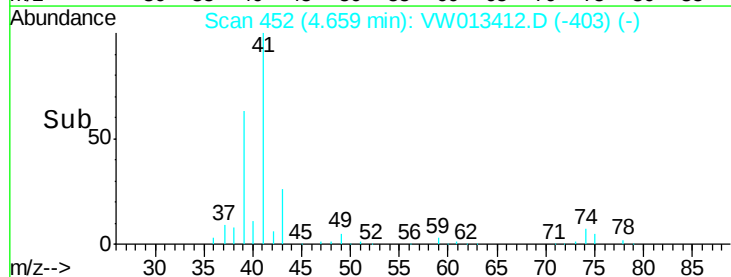
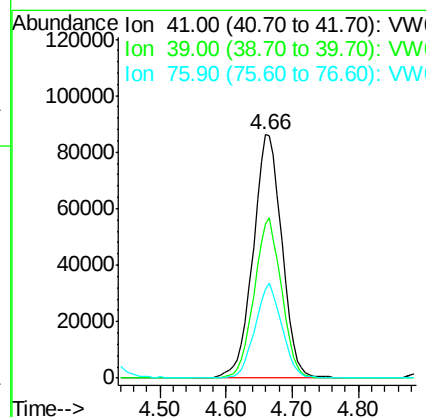
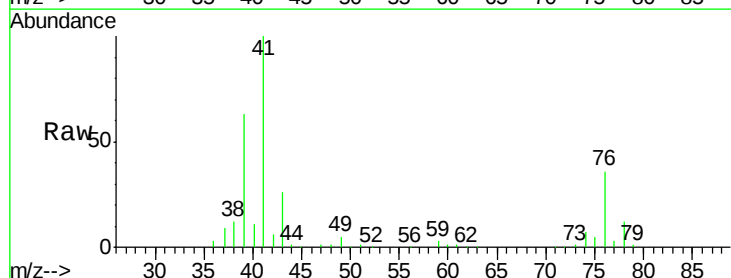
Manual Integrations  
APPROVED

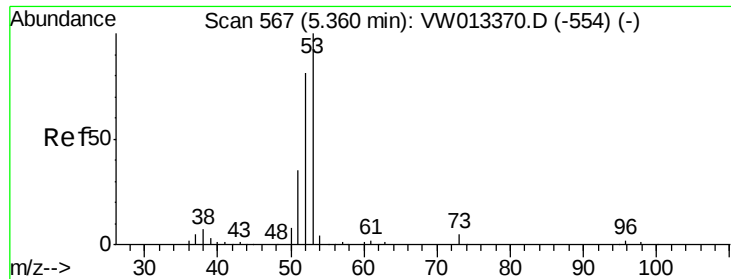
MMDadoda  
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#14  
Allyl chloride  
Concen: 54.215 ug/l  
RT: 4.66 min Scan# 452  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion   | 41   | Resp  | 261428 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 39        | 62.5 | 51.0  | 76.4   |
| 76        | 36.1 | 28.4  | 42.6   |





#15

Acrylonitrile

Concen: 231.707 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

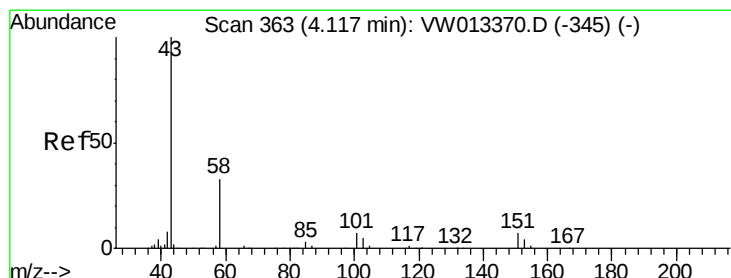
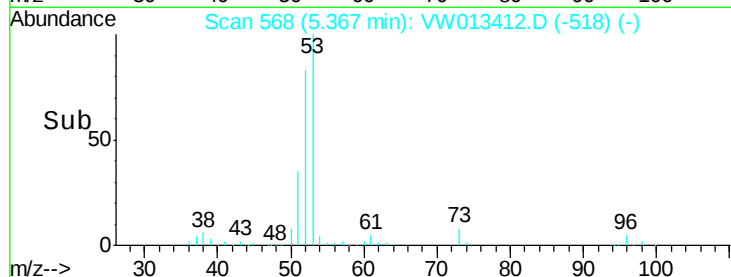
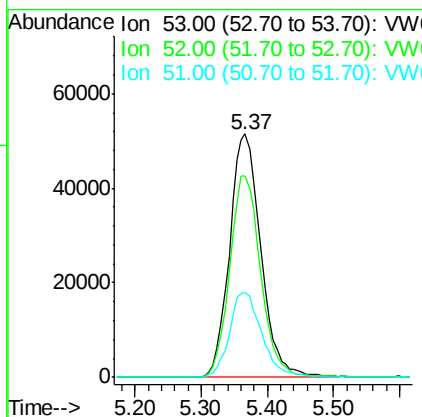
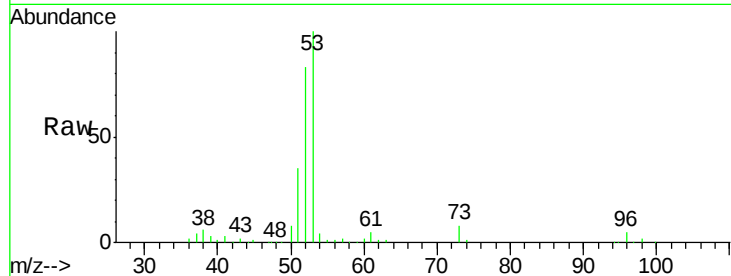
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 168706 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.9  | 65.3  | 97.9   |
| 51       | 36.2  | 29.0  | 43.4   |

Manual Integrations  
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MMDadoda  
10/4/2019 12:07:07 PM



#16

Acetone

Concen: 214.508 ug/l

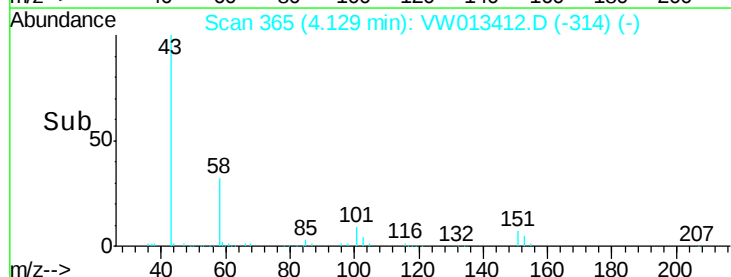
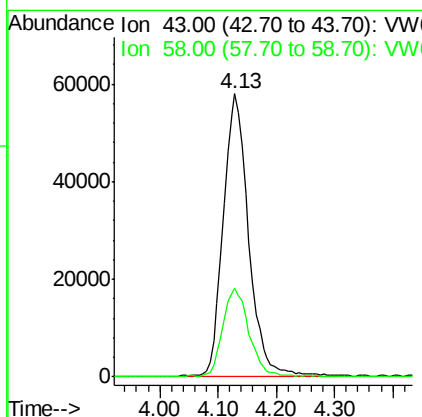
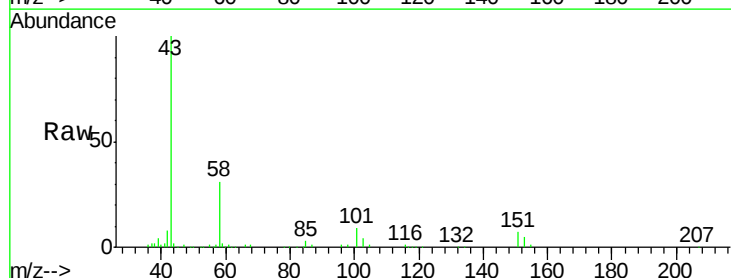
RT: 4.13 min Scan# 365

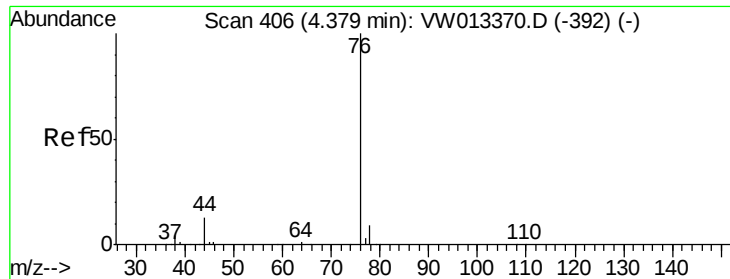
Delta R.T. 0.01 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 173841 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 31.5  | 24.1  | 36.1   |





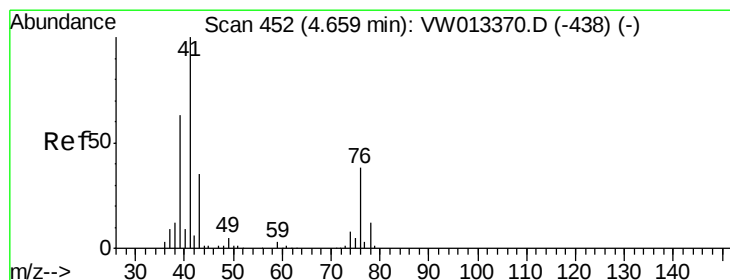
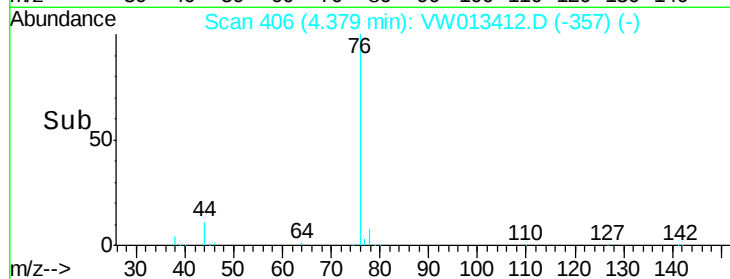
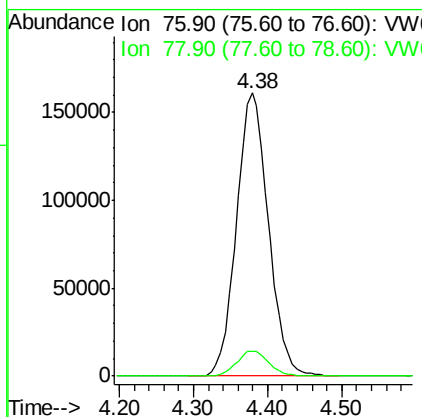
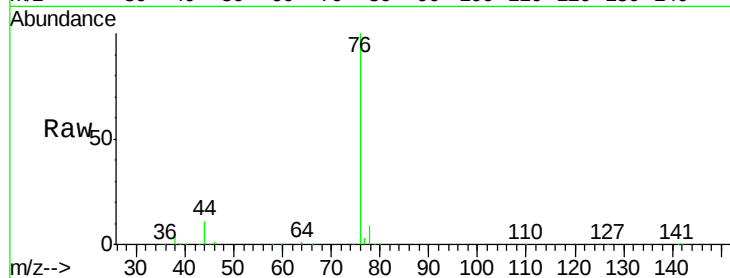
#17  
Carbon Disulfide  
Concen: 53.238 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.0   | 10.4  |

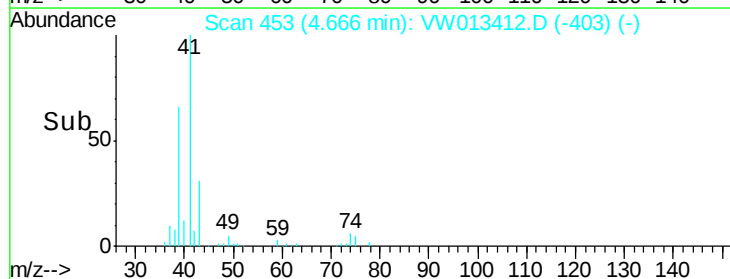
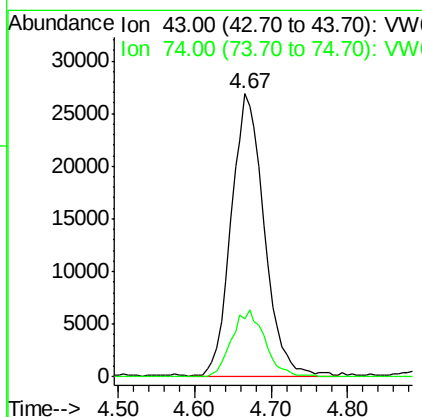
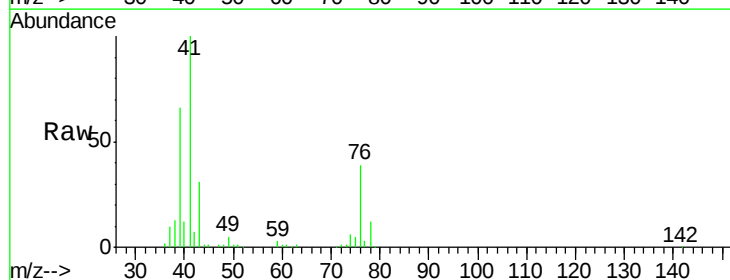
Manual Integrations  
APPROVED

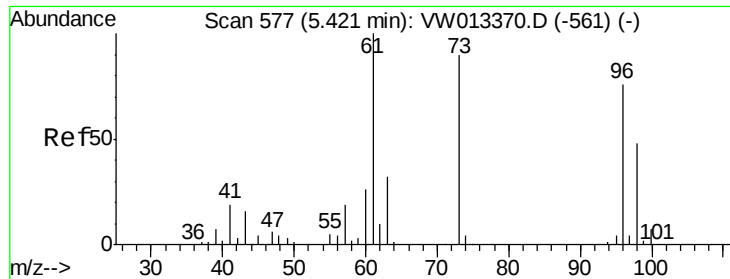
MMDadoda  
10/4/2019 12:07:07 PM



#18  
Methyl Acetate  
Concen: 41.979 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. 0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.9  | 19.3  | 28.9  |





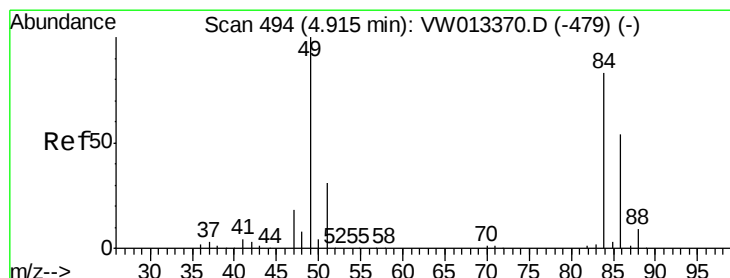
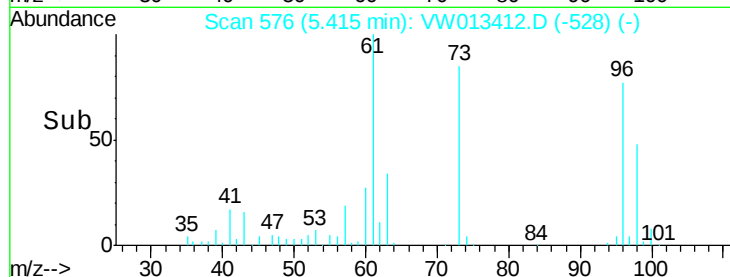
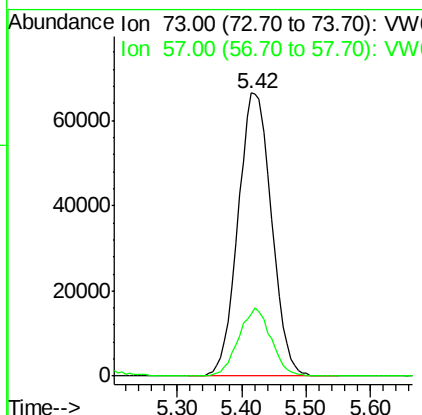
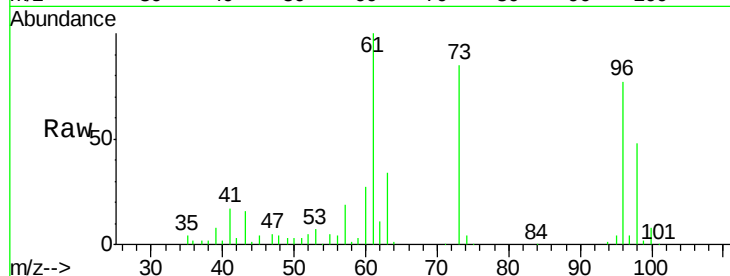
#19  
Methyl tert-butyl Ether  
Concen: 49.651 ug/l  
RT: 5.42 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 238202  
Ion Ratio Lower Upper  
73 100  
57 22.0 17.6 26.4

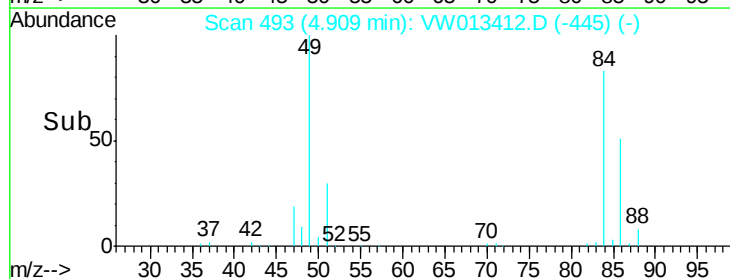
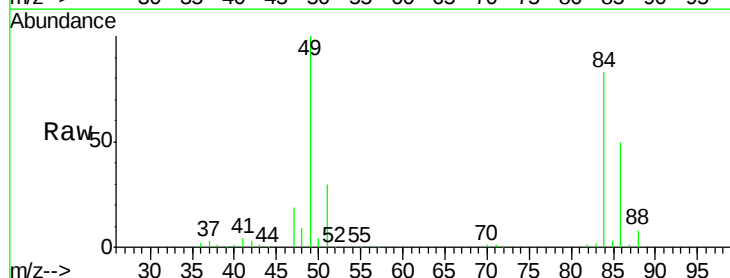
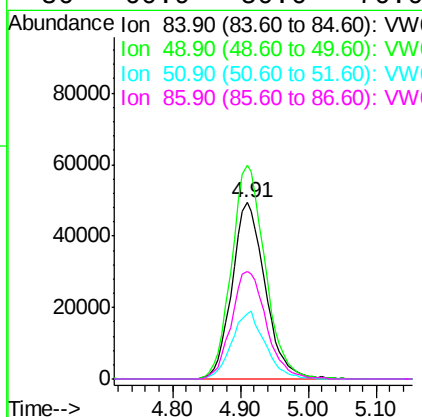
Manual Integrations  
APPROVED

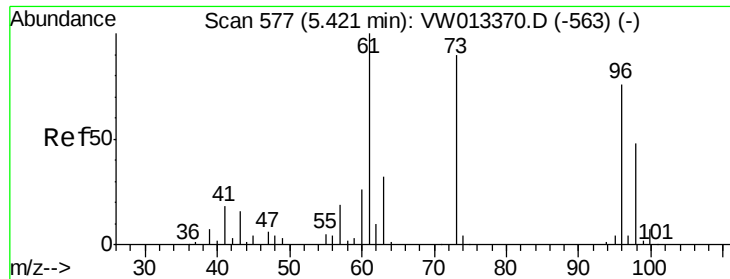
MMDadoda  
10/4/2019 12:07:07 PM



#20  
Methylene Chloride  
Concen: 49.472 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Tgt Ion: 84 Resp: 167439  
Ion Ratio Lower Upper  
84 100  
49 121.0 97.6 146.4  
51 36.8 30.2 45.2  
86 60.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 51.617 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 179178

Ion Ratio Lower Upper

96 100

61 126.1 106.6 159.8

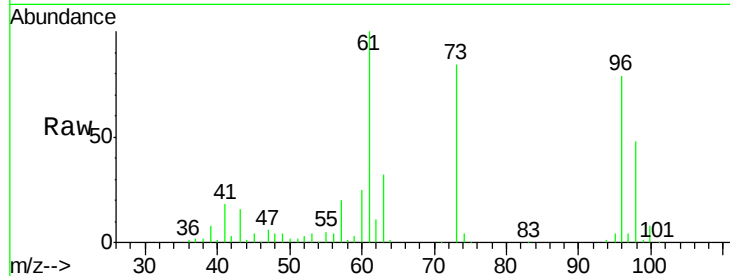
98 61.0 49.8 74.8

Manual Integrations

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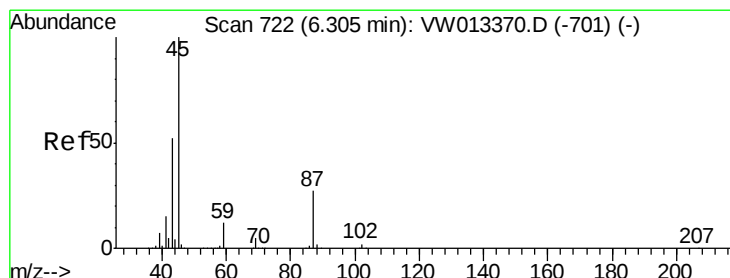
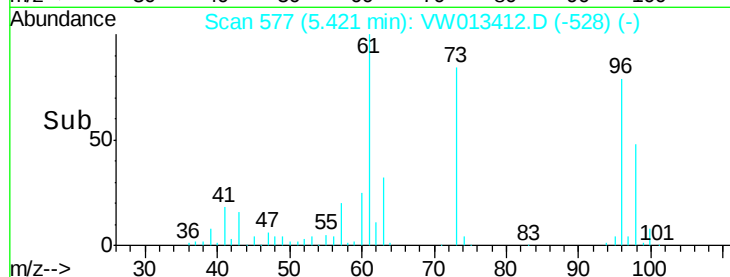
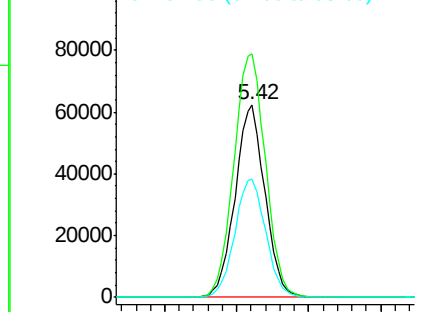


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 51.699 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Tgt Ion: 45 Resp: 481434

Ion Ratio Lower Upper

45 100

43 55.2 42.4 63.6

87 27.8 20.4 30.6

59 10.8 8.8 13.2

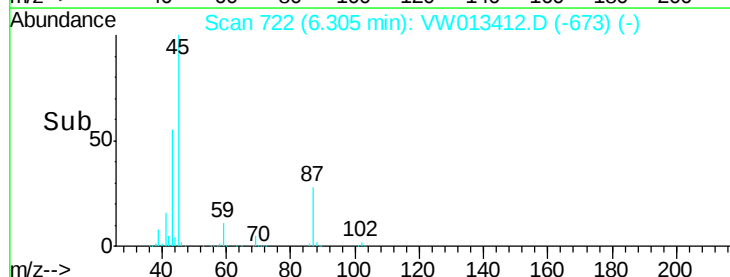
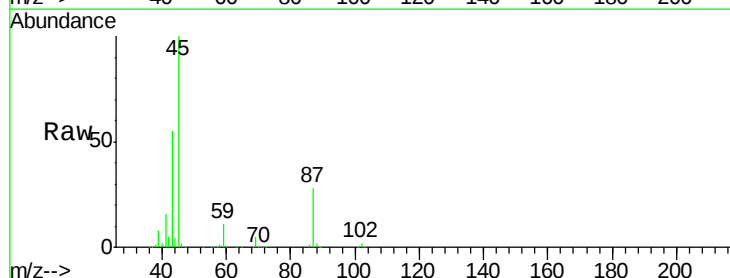
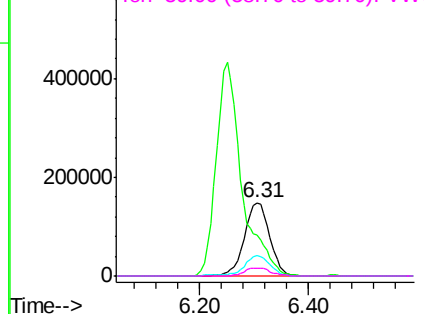
Abundance

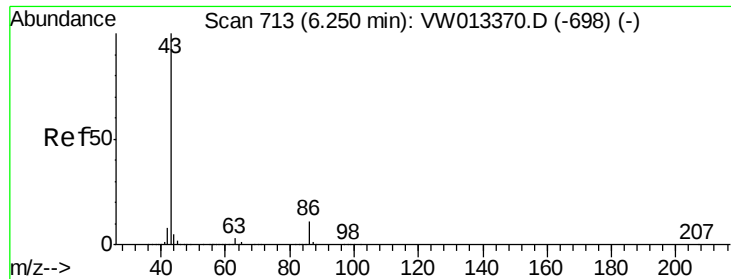
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





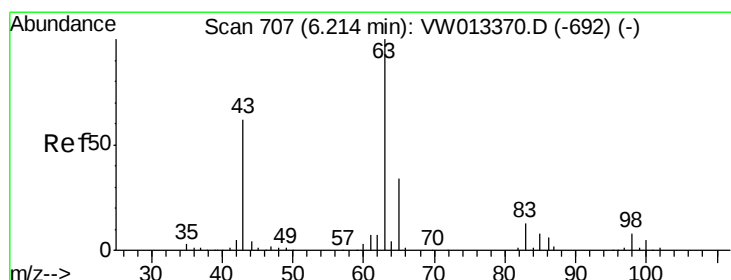
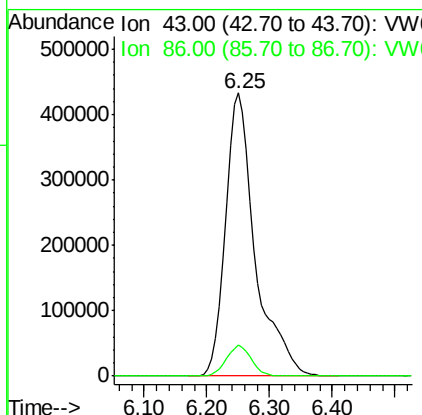
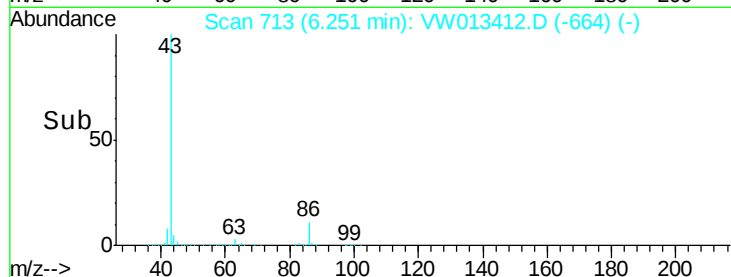
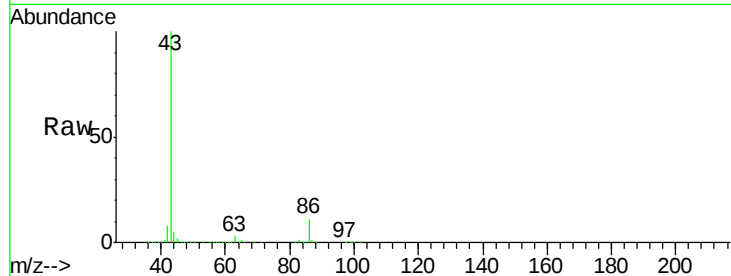
#23  
 Vinyl Acetate  
 Concen: 253.906 ug/l  
 RT: 6.25 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 1418764  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 8.3 12.5

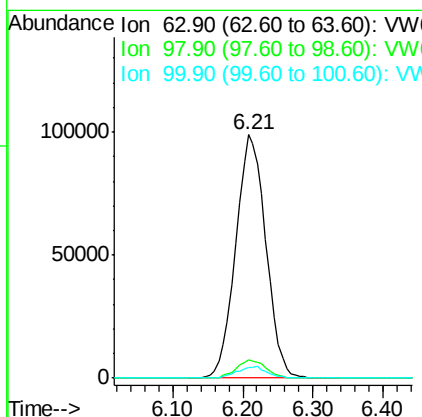
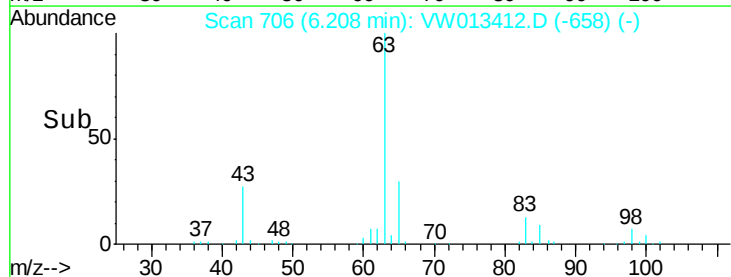
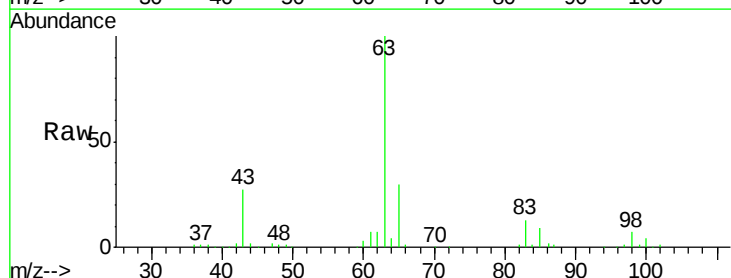
Manual Integrations  
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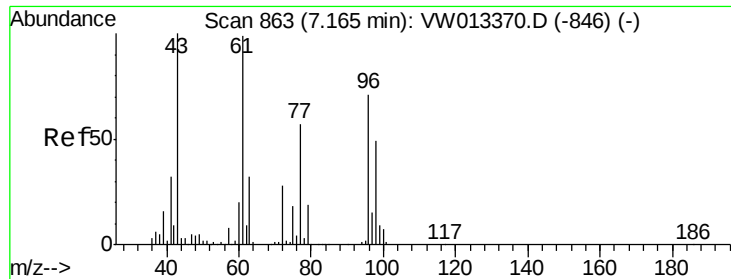
MMDadoda  
 10/4/2019 12:07:07 PM



#24  
 1,1-Dichloroethane  
 Concen: 52.025 ug/l  
 RT: 6.21 min Scan# 706  
 Delta R.T. -0.01 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

Tgt Ion: 63 Resp: 295083  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.5 10.5  
 100 4.2 2.4 7.1





#25

2-Butanone

Concen: 221.454 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 229646

Ion Ratio Lower Upper

43 100

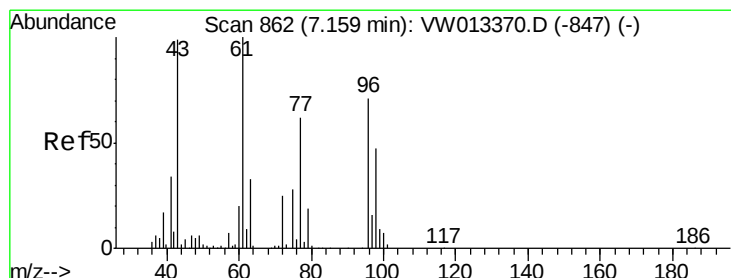
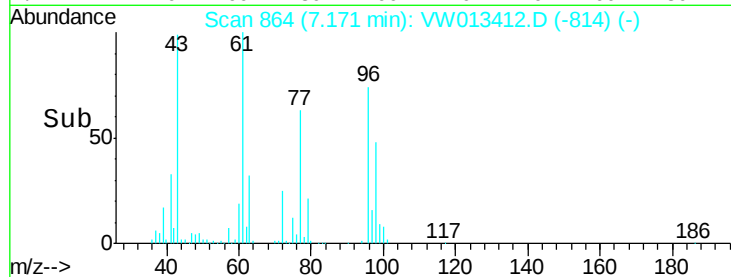
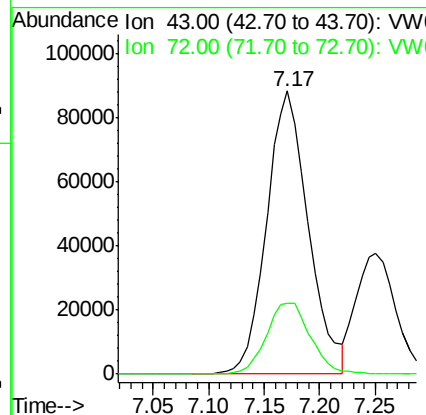
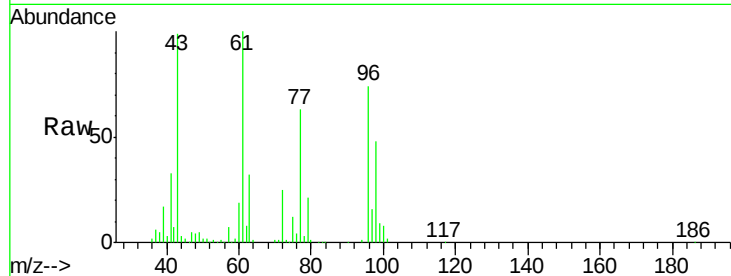
72 24.9 19.4 29.0

Manual Integrations

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10/4/2019 12:07:07 PM



#26

2,2-Dichloropropane

Concen: 54.834 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013412.D

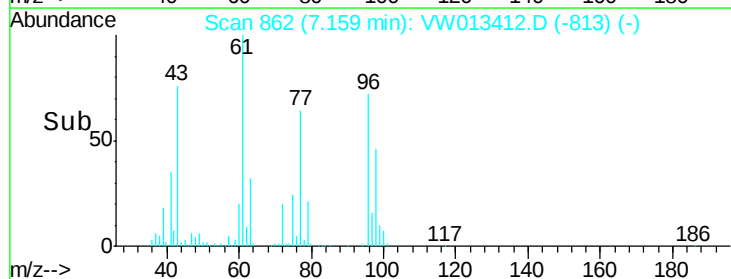
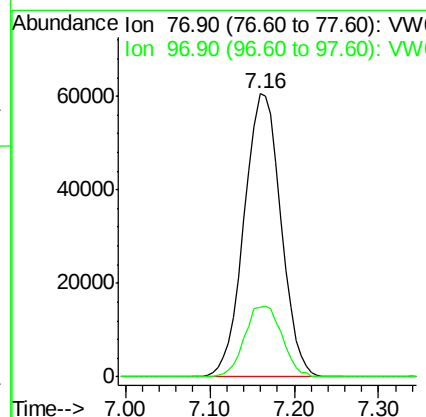
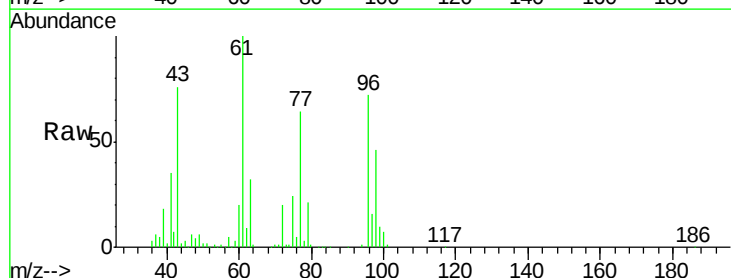
Acq: 03 Oct 2019 10:32

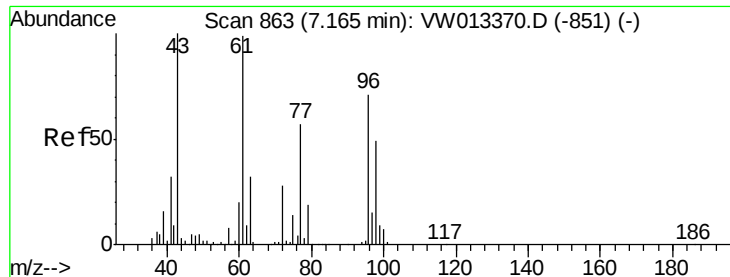
Tgt Ion: 77 Resp: 179421

Ion Ratio Lower Upper

77 100

97 25.5 11.8 35.4





#27

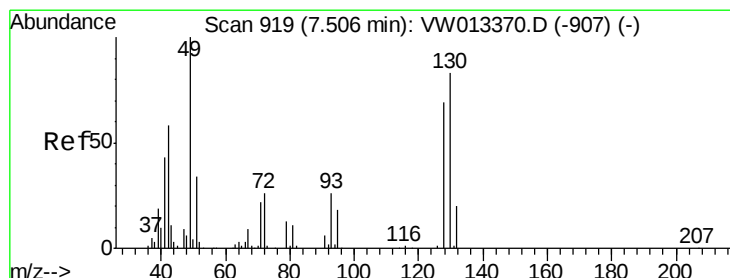
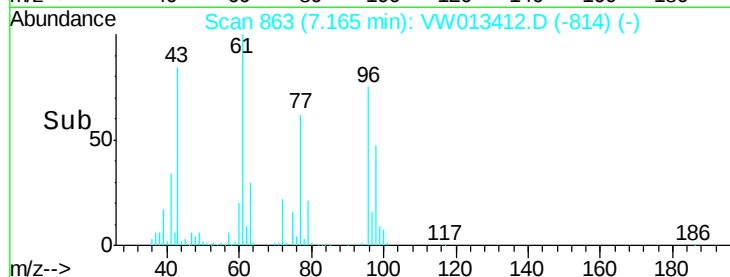
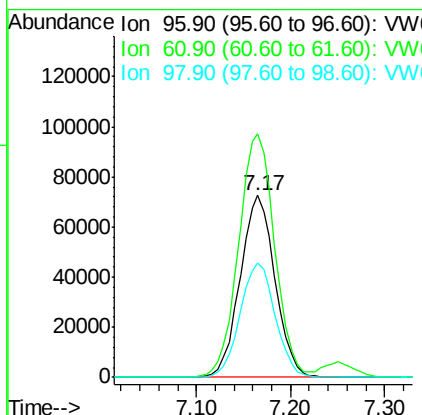
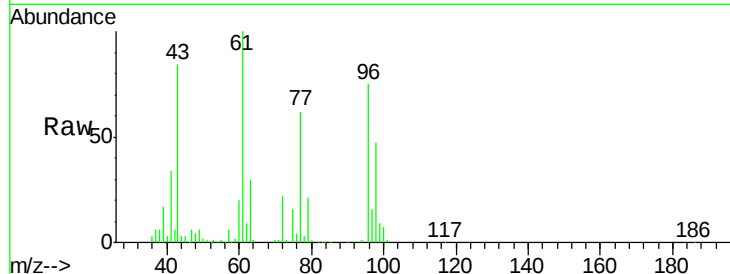
cis-1,2-Dichloroethene  
Concen: 51.563 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 187354 |       |       |
| 61      | 138.7 | 0.0    | 282.4 |       |
| 98      | 63.7  | 0.0    | 128.2 |       |

Manual Integrations  
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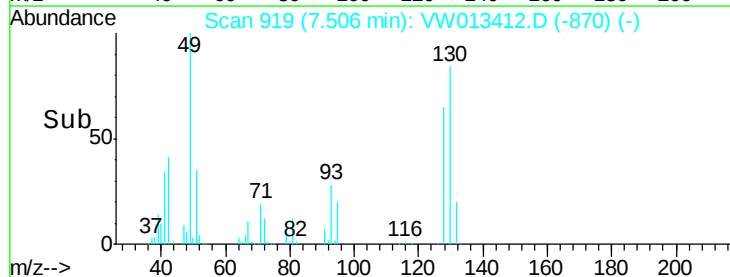
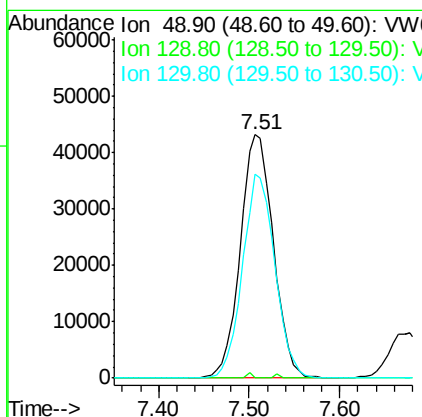
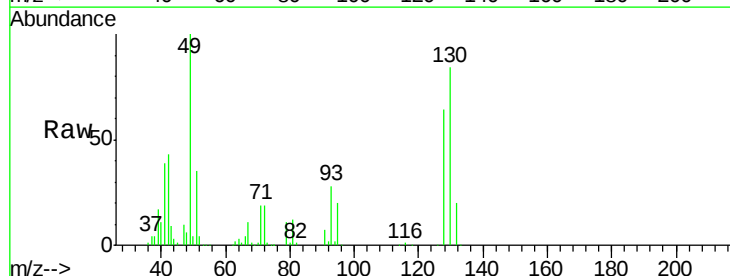
MMDadoda  
10/4/2019 12:07:07 PM

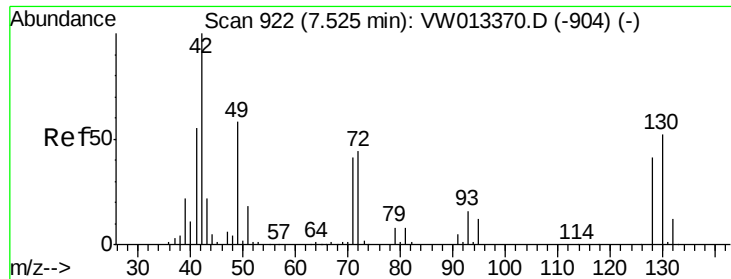


#28

Bromochloromethane  
Concen: 53.025 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 108742 |       |       |
| 129     | 0.4   | 0.0    | 1.0   |       |
| 130     | 82.2  | 63.4   | 95.2  |       |





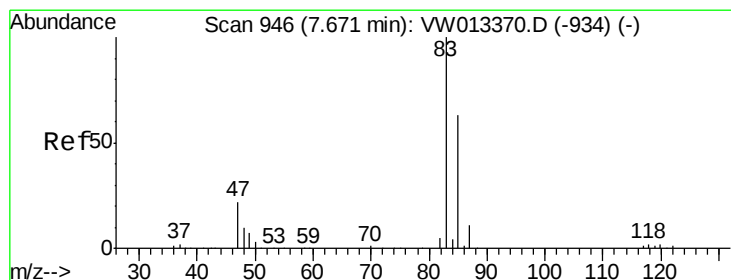
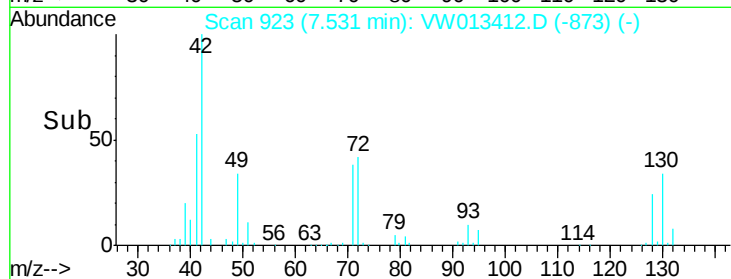
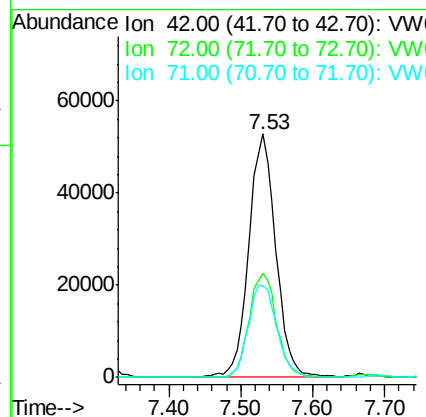
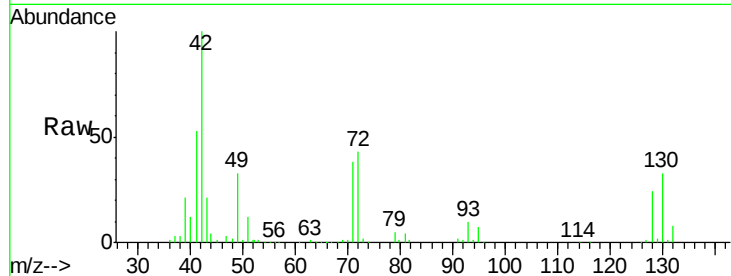
#29  
Tetrahydrofuran  
Concen: 228.516 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.4  | 33.9  | 50.9  |
| 71      | 40.3  | 31.9  | 47.9  |

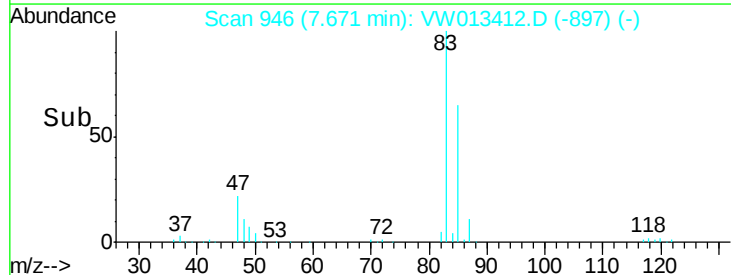
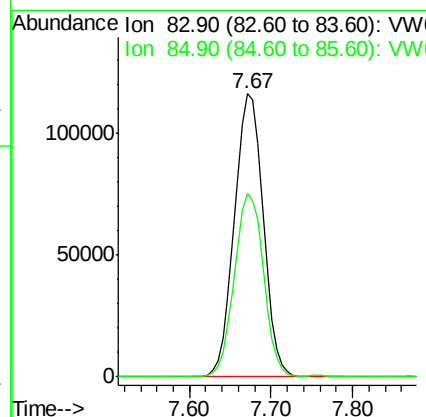
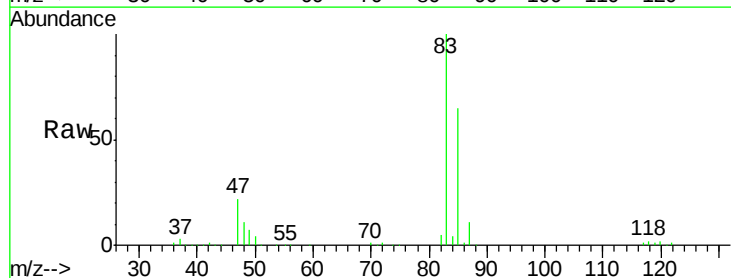
Manual Integrations  
APPROVED

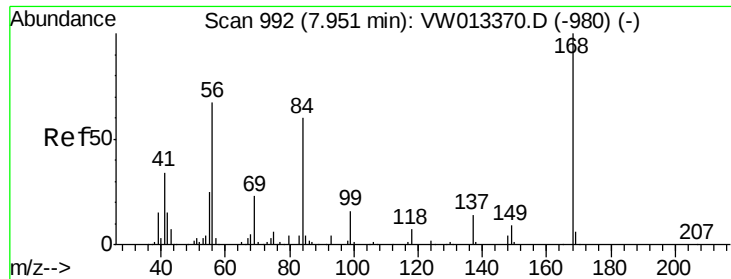
MMDadoda  
10/4/2019 12:07:07 PM



#30  
Chloroform  
Concen: 50.953 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.6  | 52.3  | 78.5  |





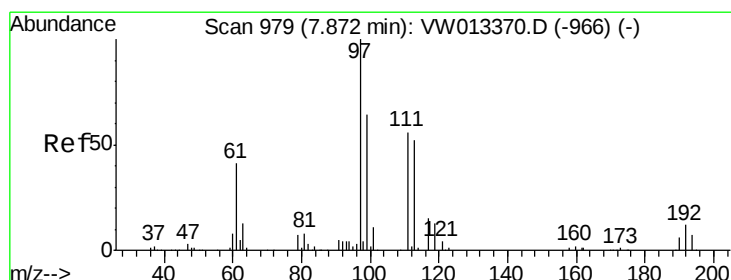
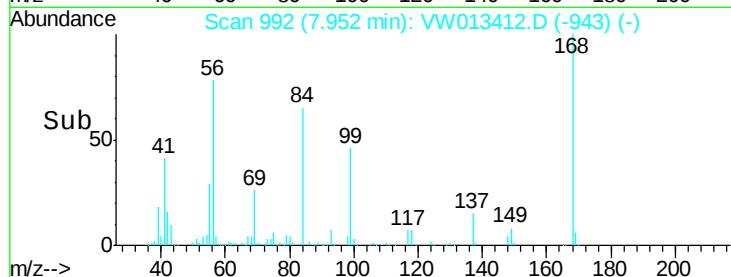
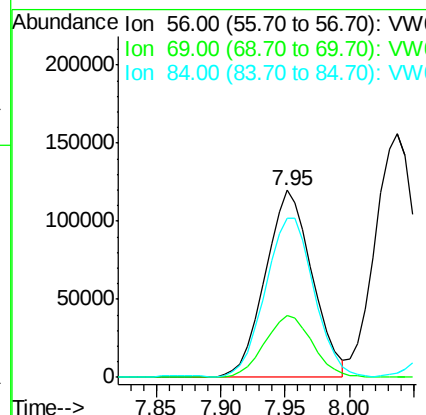
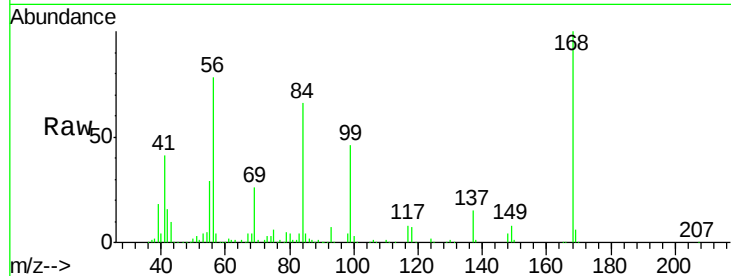
#31  
Cyclohexane  
Concen: 49.940 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.2  | 27.2  | 40.8  |
| 84      | 84.1  | 70.8  | 106.2 |

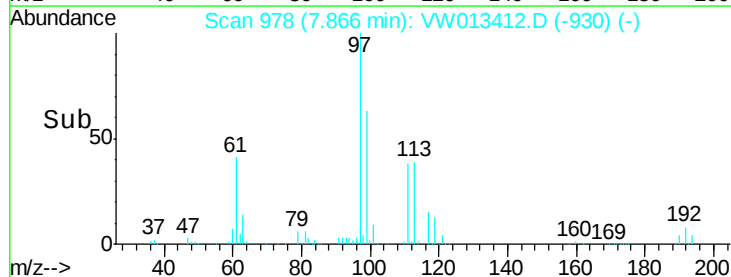
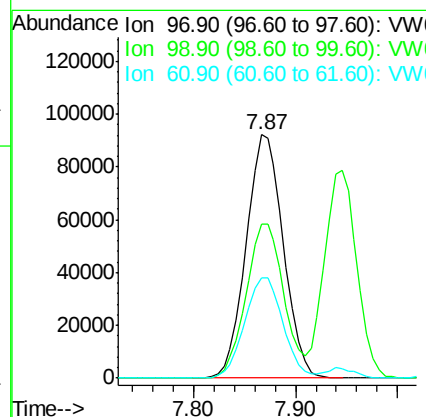
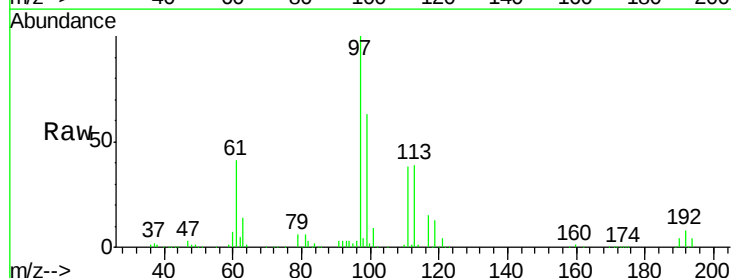
Manual Integrations  
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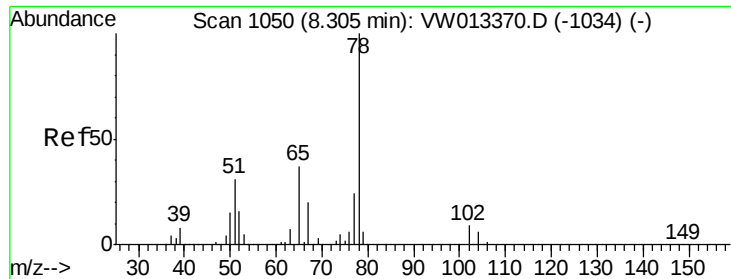
MMDadoda  
10/4/2019 12:07:07 PM



#32  
1,1,1-Trichloroethane  
Concen: 53.566 ug/l  
RT: 7.87 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.8  | 51.7  | 77.5  |
| 61      | 42.6  | 34.6  | 51.8  |





#33

1,2-Dichloroethane-d4

Concen: 50.270 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 132912

Ion Ratio Lower Upper

65 100

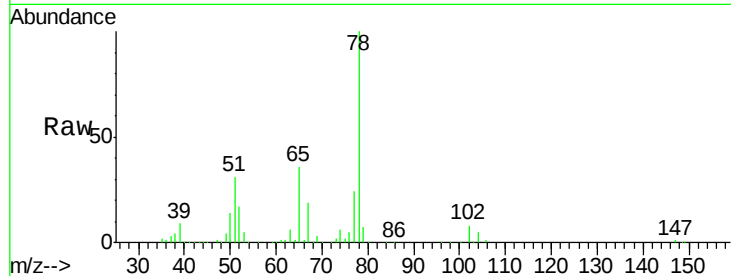
67 54.0 0.0 106.2

Manual Integrations

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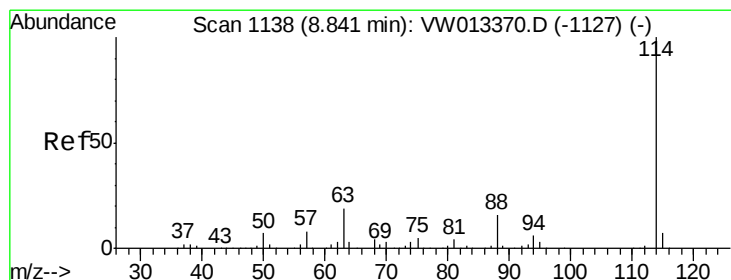
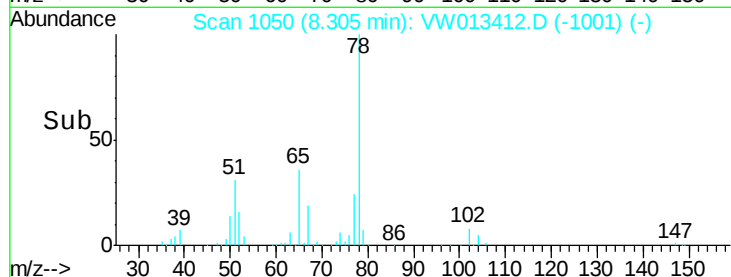
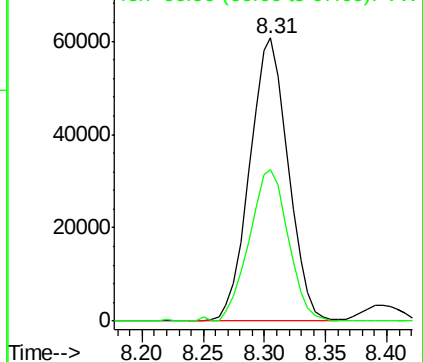
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

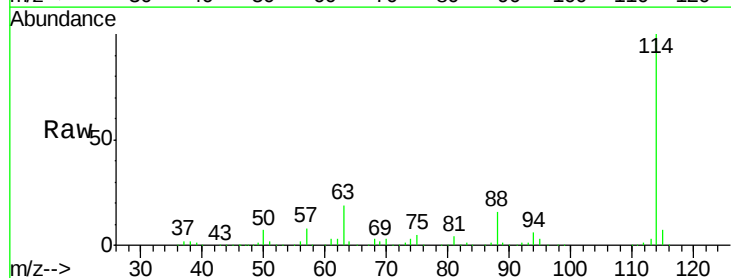
Tgt Ion: 114 Resp: 503878

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.4

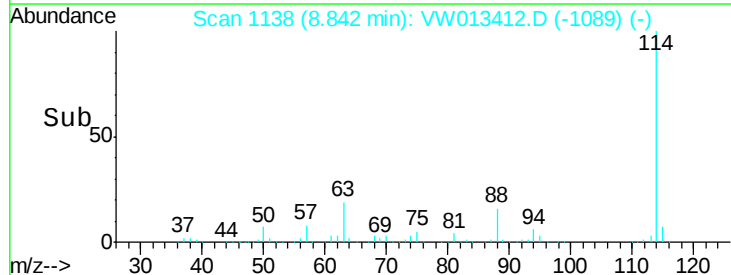
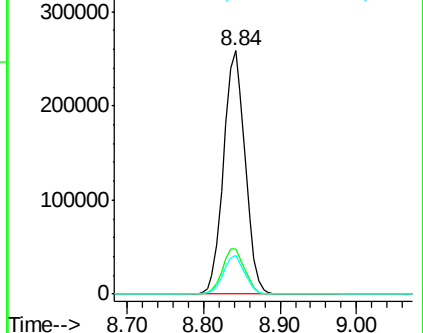
88 15.9 0.0 32.0

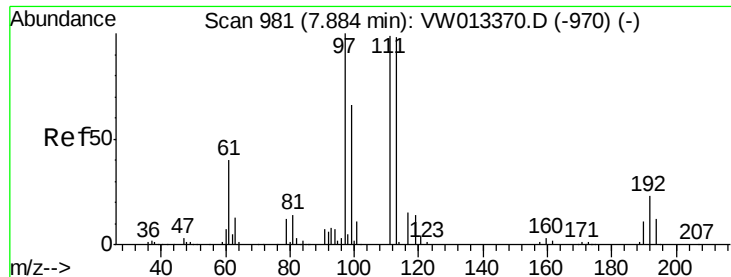


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 51.984 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

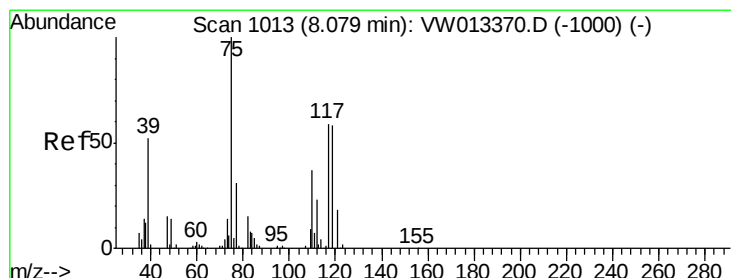
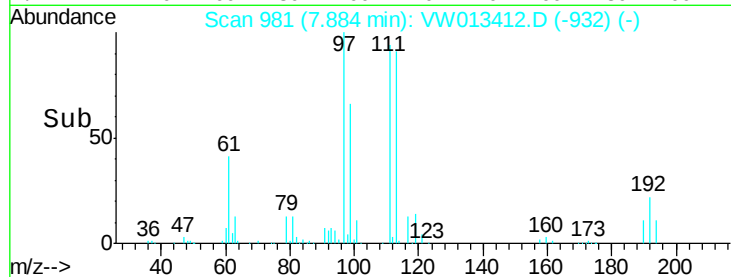
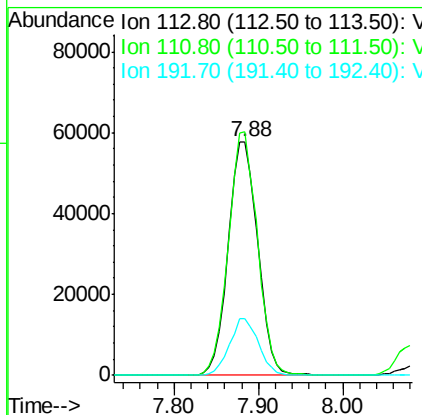
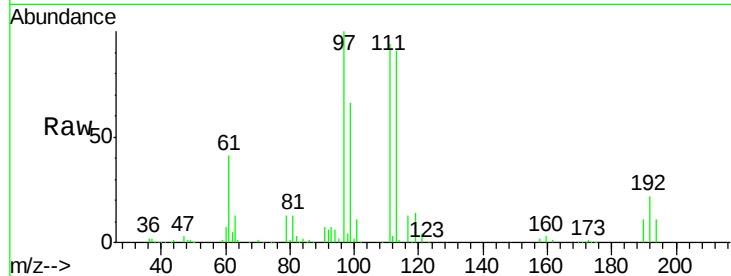
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 137445 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.3 | 81.9  | 122.9  |
| 192       | 23.6  | 19.1  | 28.7   |

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#36

1,1-Dichloropropene

Concen: 53.055 ug/l

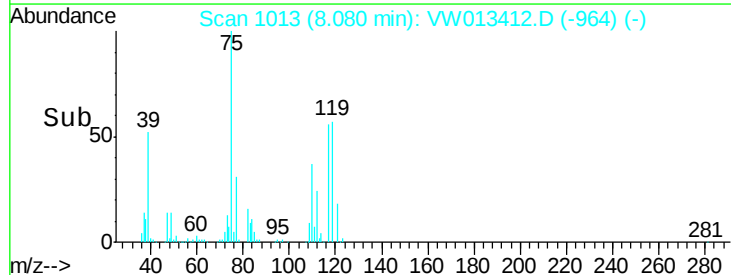
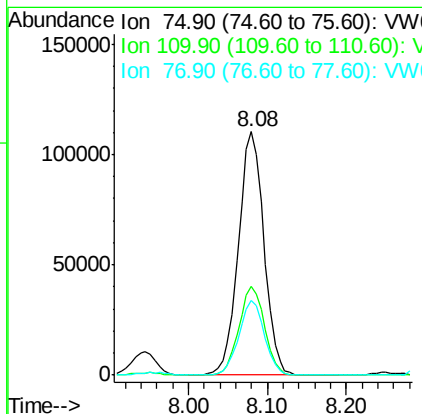
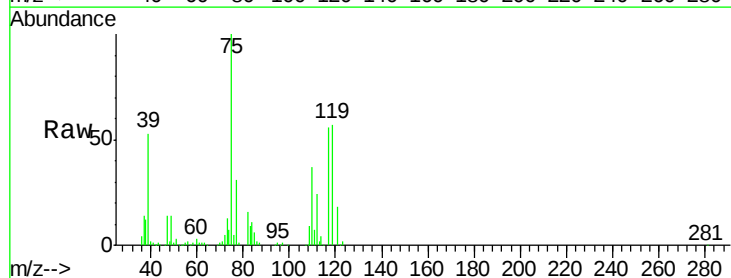
RT: 8.08 min Scan# 1013

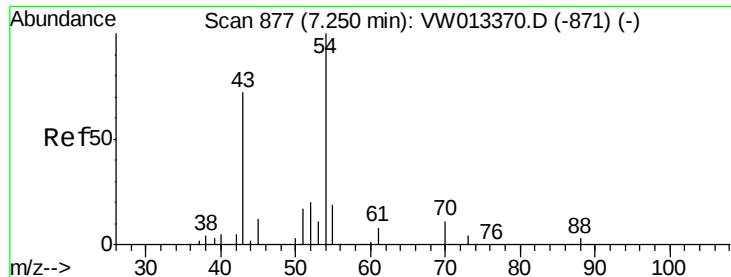
Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 248300 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 36.4  | 18.1  | 54.3   |
| 77        | 30.8  | 25.8  | 38.6   |





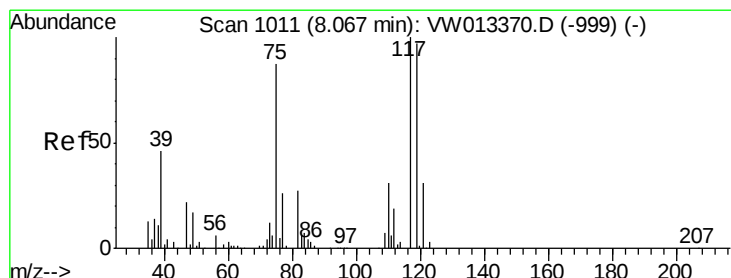
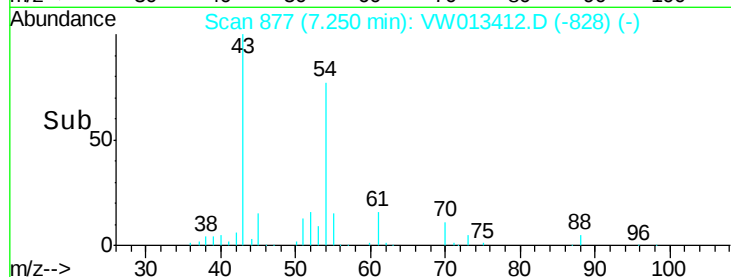
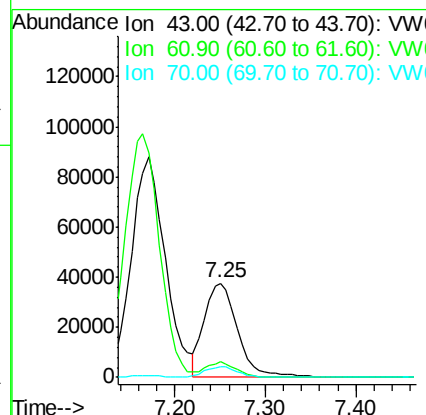
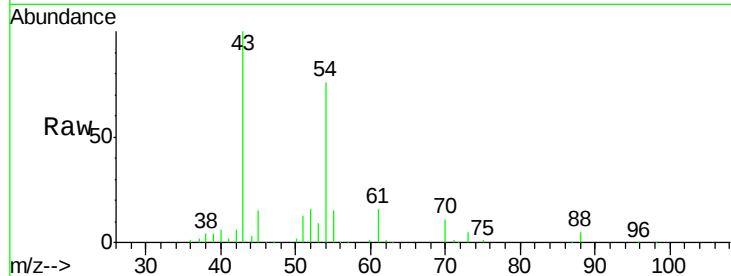
#37  
Ethyl Acetate  
Concen: 46.323 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.3  | 10.9  | 16.3  |
| 70      | 11.1  | 8.2   | 12.2  |

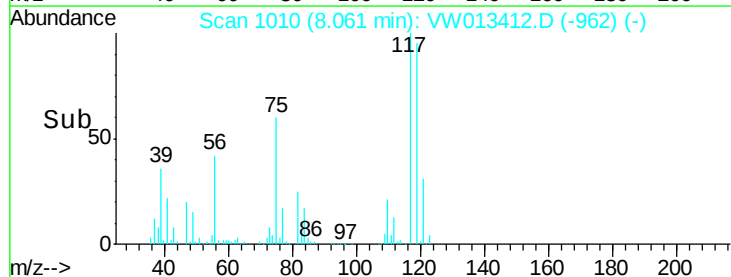
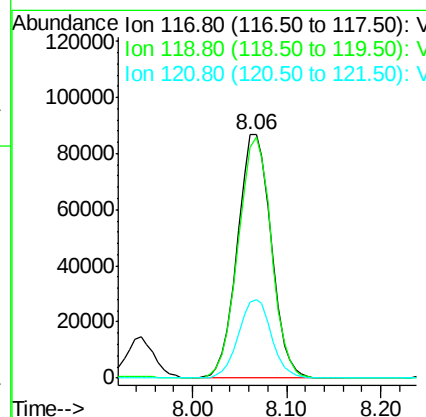
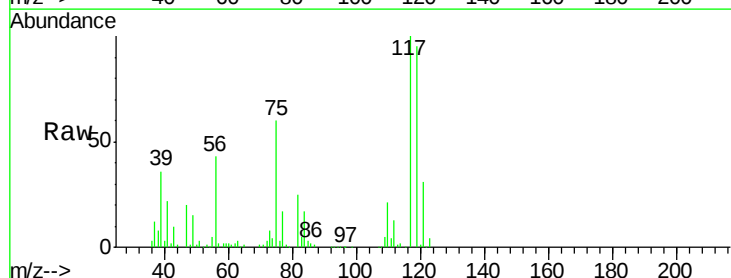
Manual Integrations  
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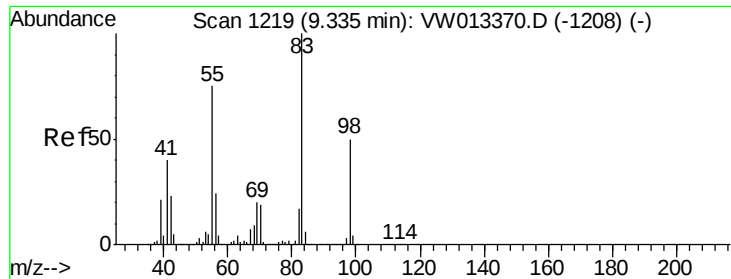
MMDadoda  
10/4/2019 12:07:07 PM



#38  
Carbon Tetrachloride  
Concen: 53.682 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.0  | 73.5  | 110.3 |
| 121     | 31.3  | 25.0  | 37.6  |





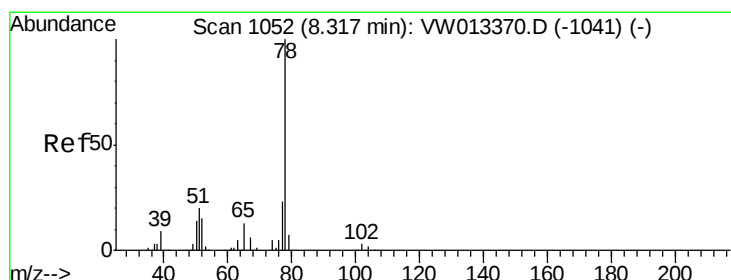
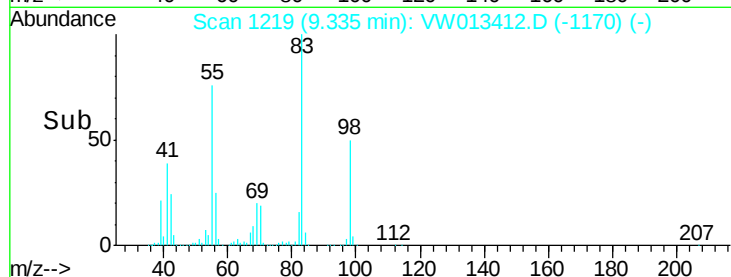
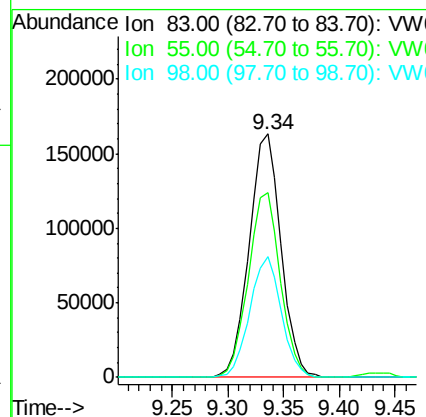
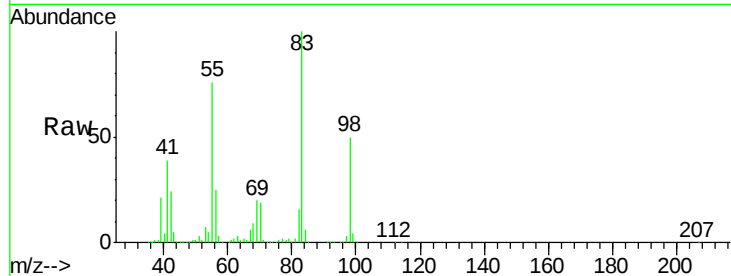
#39  
Methvlcvclohexane  
Concen: 52.772 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.9  | 60.4  | 90.6  |
| 98      | 49.8  | 40.0  | 60.0  |

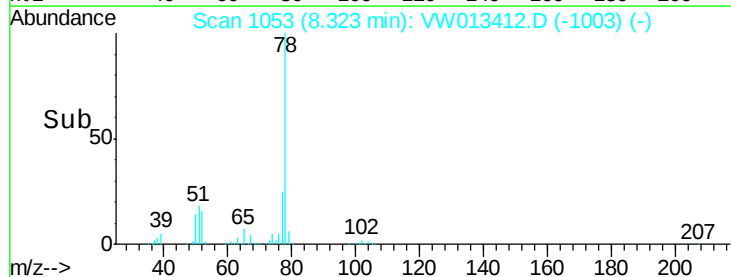
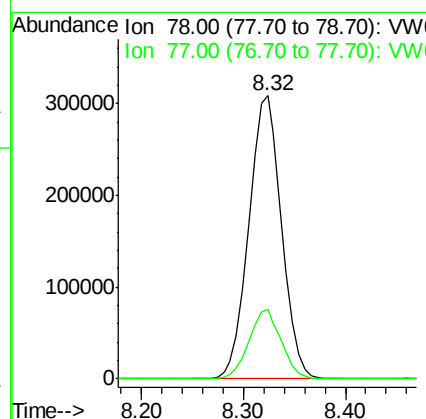
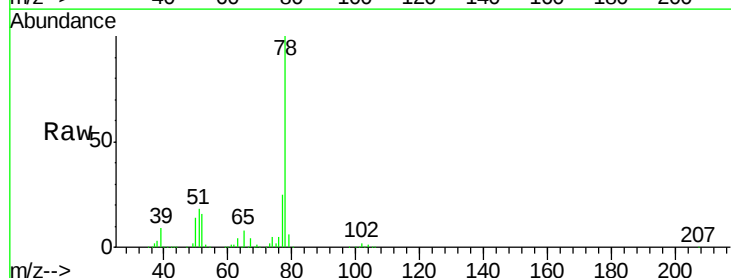
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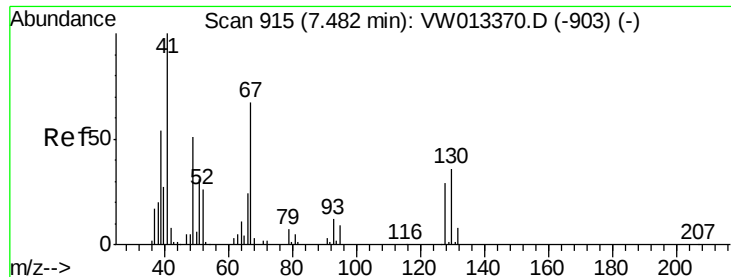
MMDadoda  
10/4/2019 12:07:07 PM



#40  
Benzene  
Concen: 51.757 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.7  | 19.1  | 28.7  |





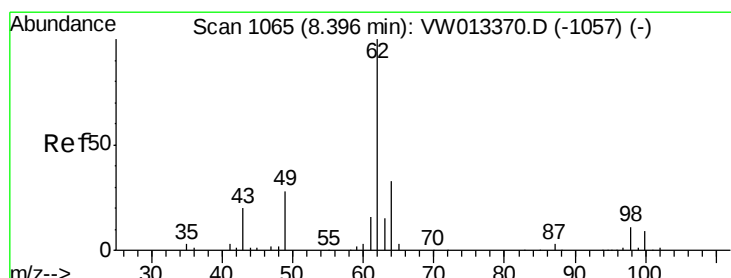
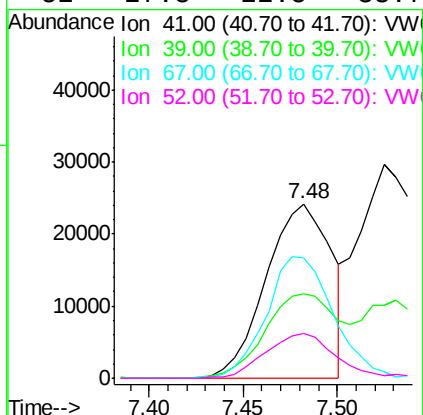
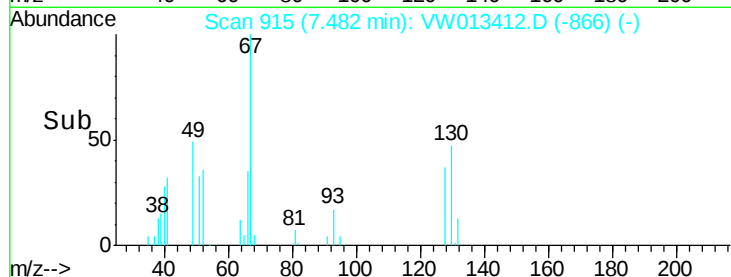
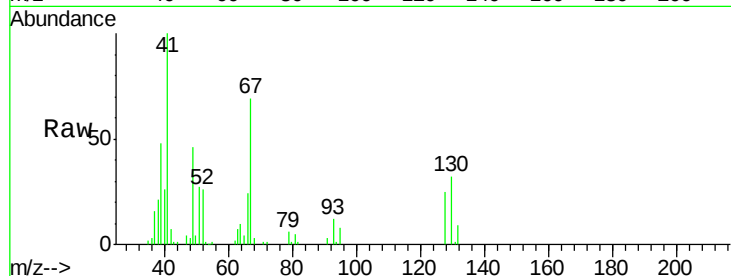
#41  
Methacrylonitrile  
Concen: 46.782 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 58262 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.8  | 45.9  | 68.9  |
| 67       | 71.5  | 54.5  | 81.7  |
| 52       | 27.8  | 22.5  | 33.7  |

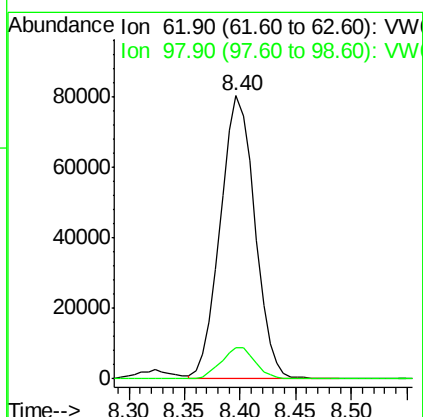
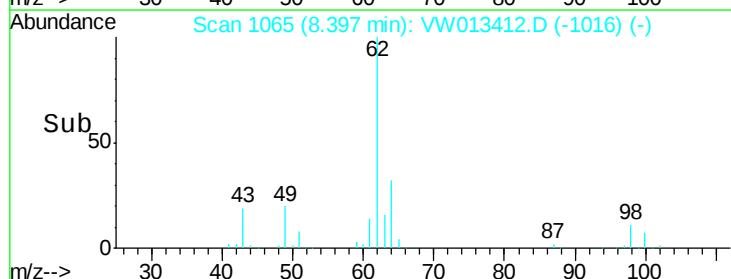
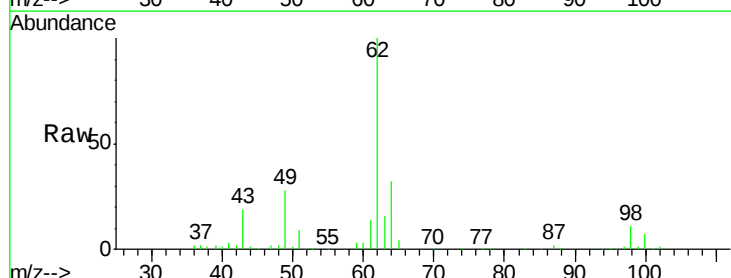
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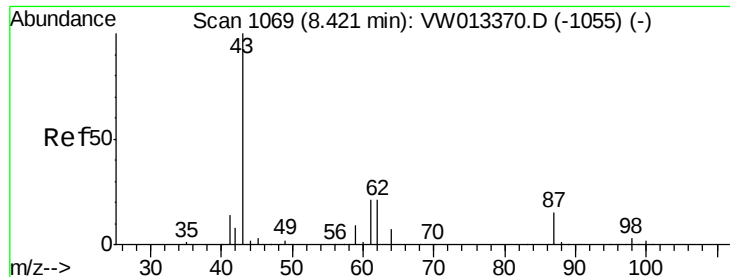
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#42  
1,2-Dichloroethane  
Concen: 50.731 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 172738 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 11.1  | 0.0   | 20.6   |





#43

Isopropyl Acetate

Concen: 46.864 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

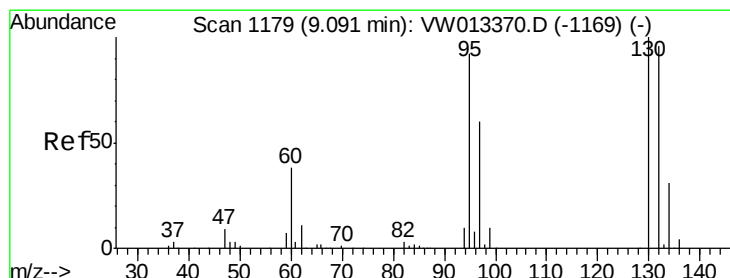
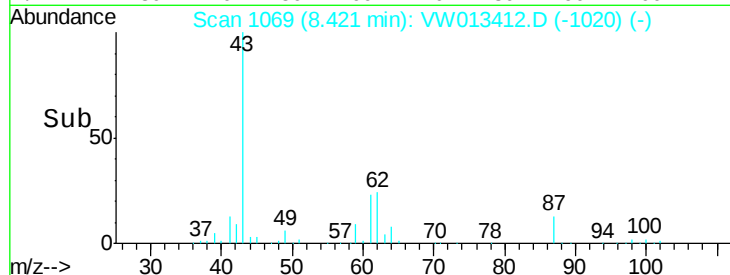
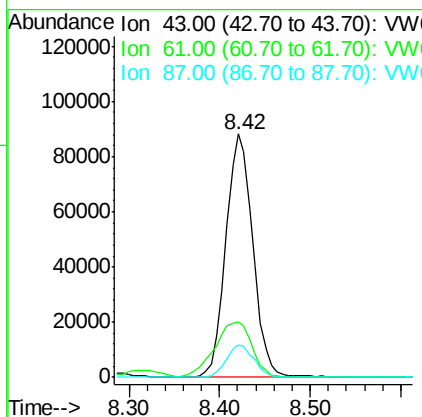
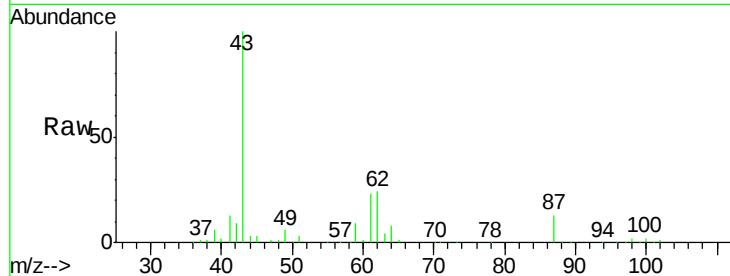
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 182184 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 31.7  | 25.5  | 38.3   |
| 87       | 13.6  | 11.0  | 16.4   |

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#44

Trichloroethene

Concen: 51.574 ug/l

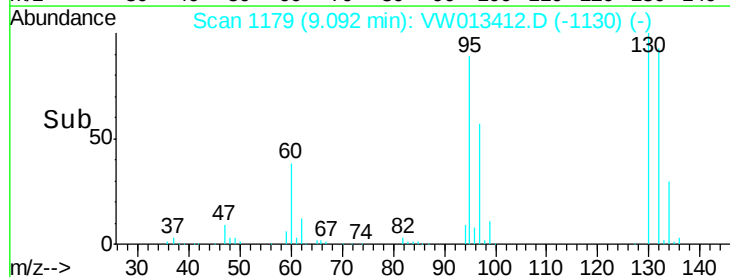
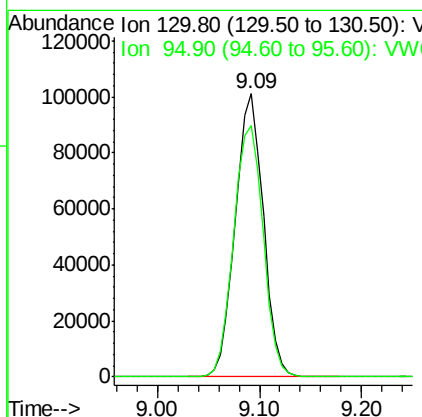
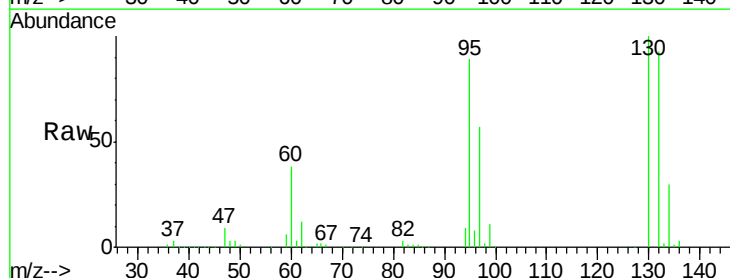
RT: 9.09 min Scan# 1179

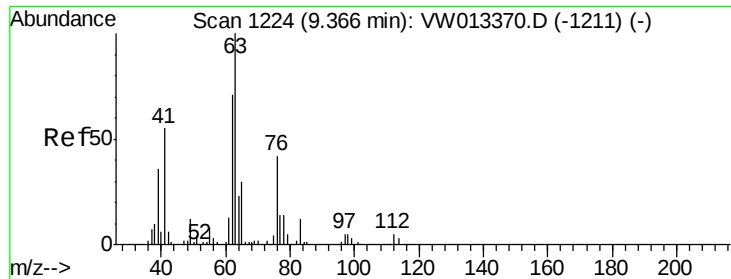
Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 192408 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 88.8  | 0.0   | 188.0  |





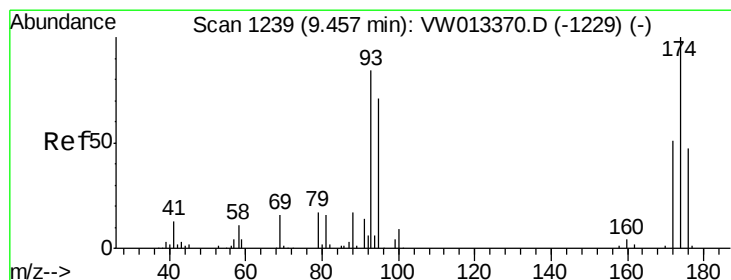
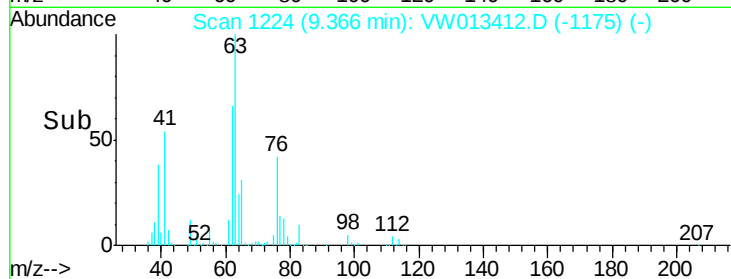
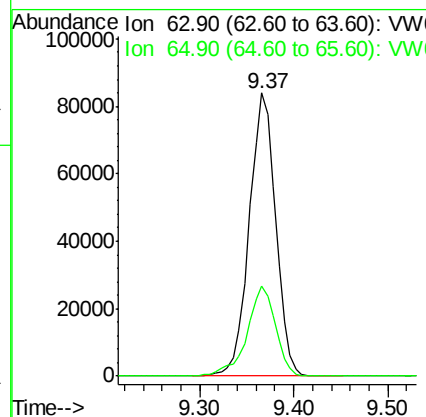
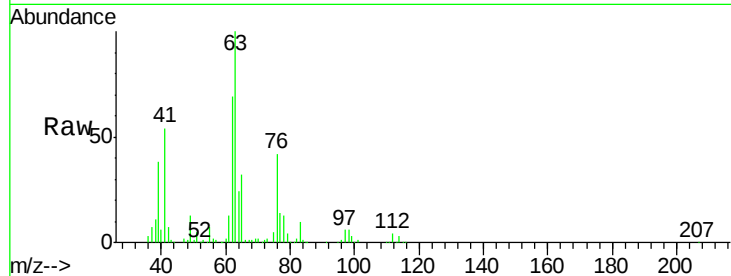
#45  
 1,2-Dichloropropane  
 Concen: 51.462 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 163696  
 Ion Ratio Lower Upper  
 63 100  
 65 31.7 25.3 37.9

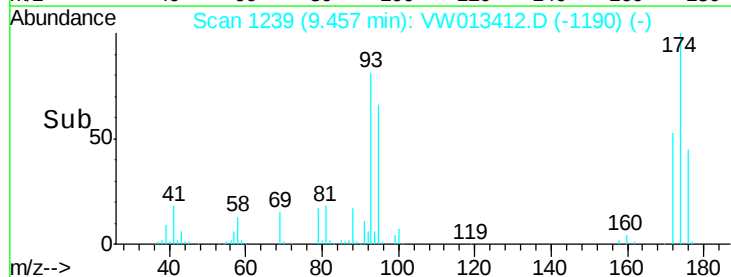
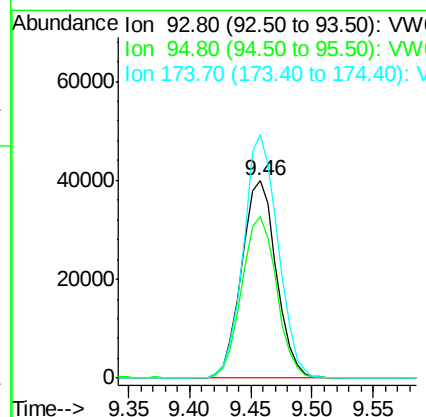
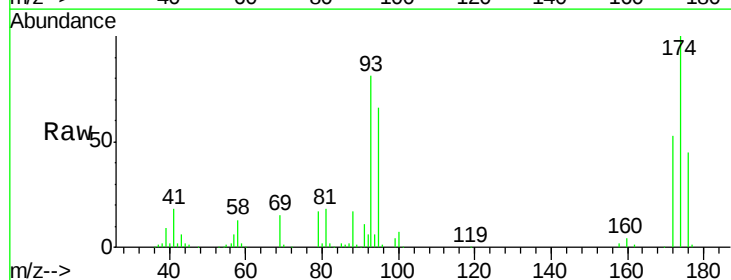
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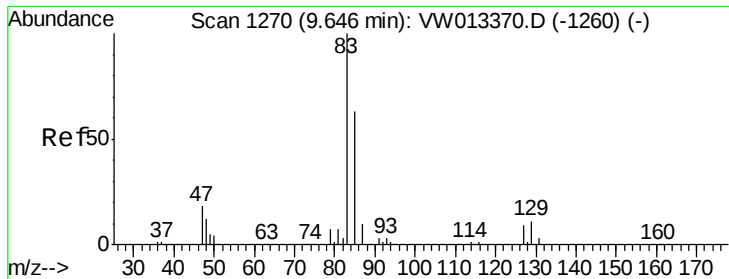
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#46  
 Dibromomethane  
 Concen: 49.846 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

Tgt Ion: 93 Resp: 78975  
 Ion Ratio Lower Upper  
 93 100  
 95 82.1 66.4 99.6  
 174 122.1 93.0 139.6





#47

Bromodichloromethane

Concen: 52.156 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

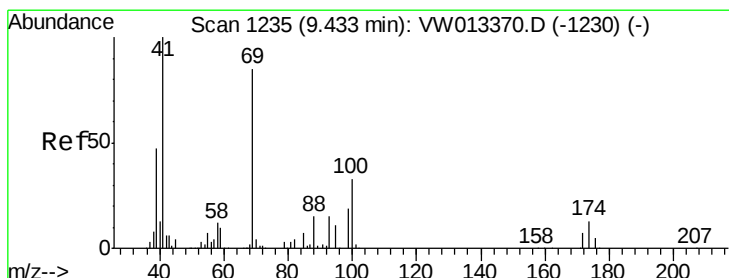
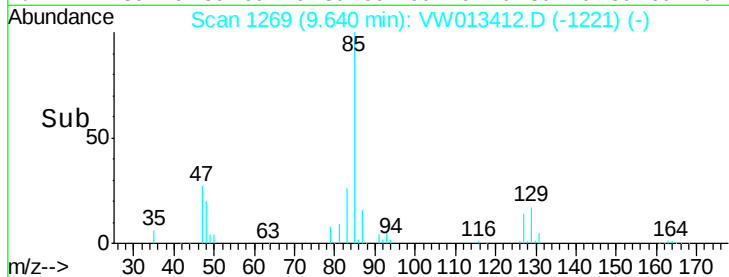
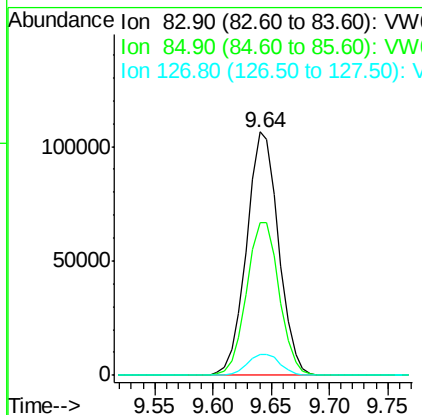
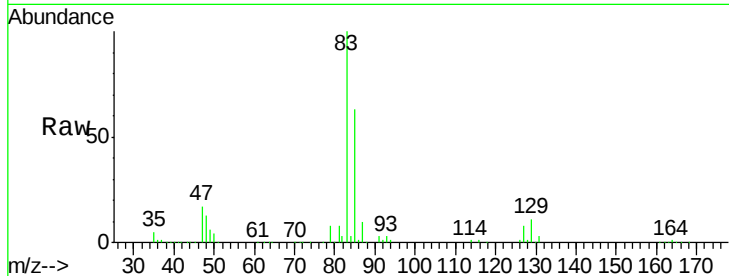
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 203424 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.5  | 49.4  | 74.2   |
| 127       | 8.4   | 6.5   | 9.7    |

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#48

Methyl methacrylate

Concen: 49.154 ug/l

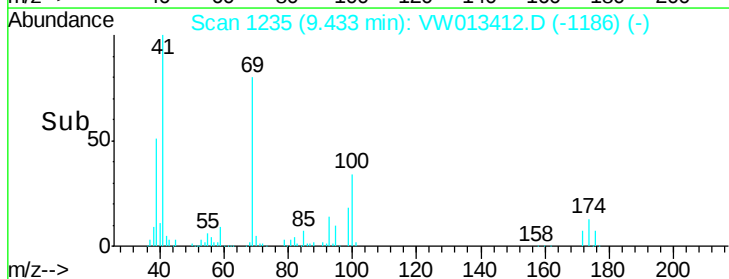
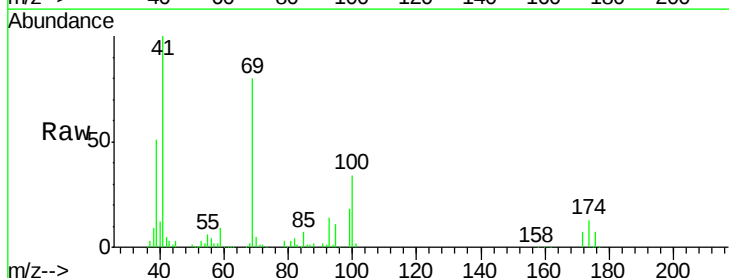
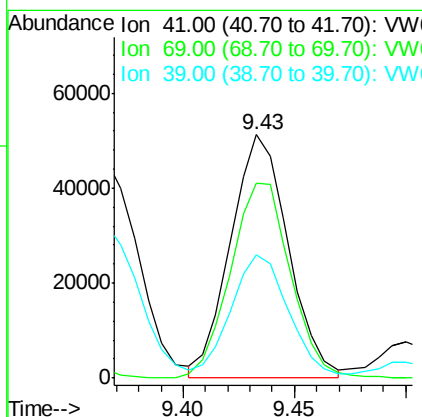
RT: 9.43 min Scan# 1235

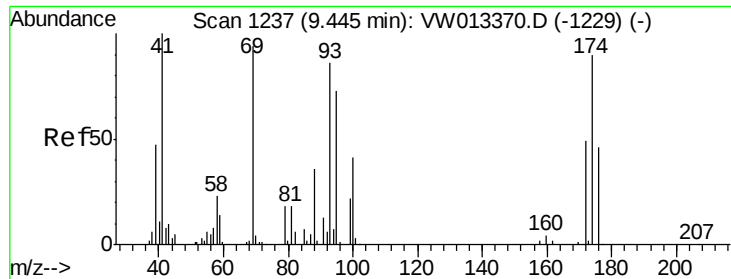
Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 91814 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 84.0  | 69.7  | 104.5 |
| 39        | 48.0  | 41.1  | 61.7  |





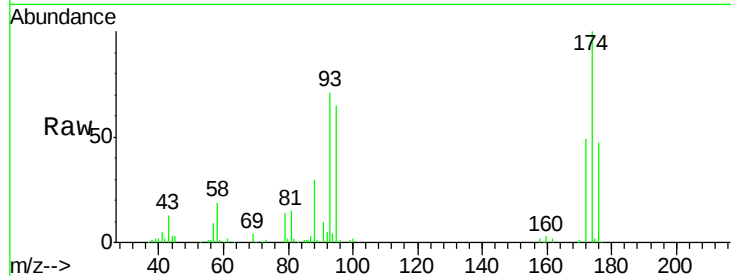
#49  
1,4-Dioxane  
Concen: 975.928 ug/l  
RT: 9.47 min Scan# 1241  
Delta R.T. 0.02 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 88    | Resp  | 23857 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 0.0   | 0.0   | 0.0   |
| 58      | 75.9  | 65.4  | 98.0  |

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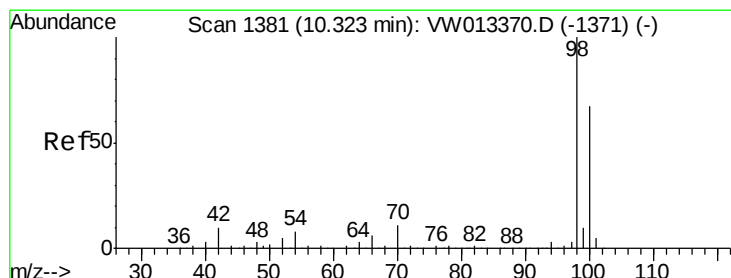
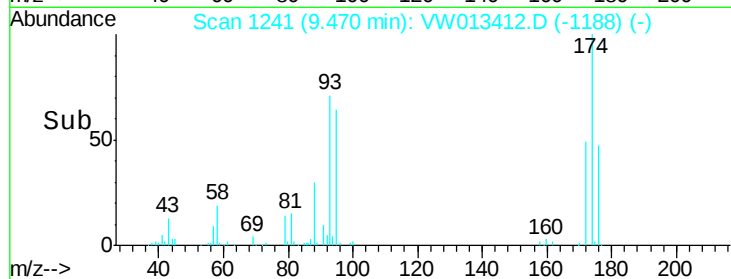
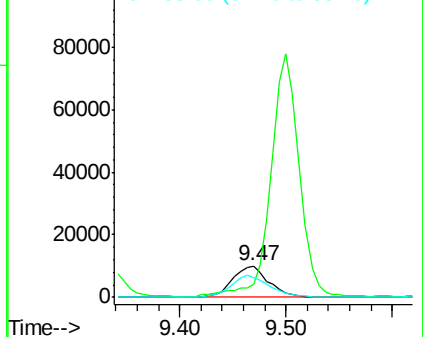


Abundance

Ion 88.00 (87.70 to 88.70): VW

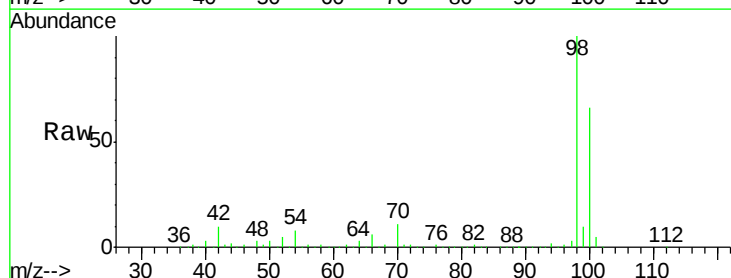
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50  
Toluene-d8  
Concen: 53.118 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

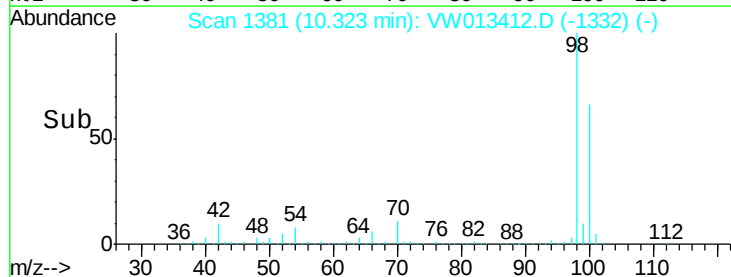
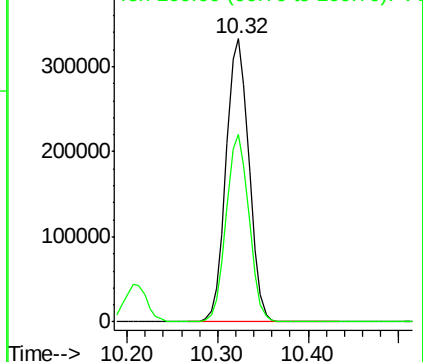
| Tgt Ion | 98    | Resp  | 582815 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 66.0  | 52.9  | 79.3   |

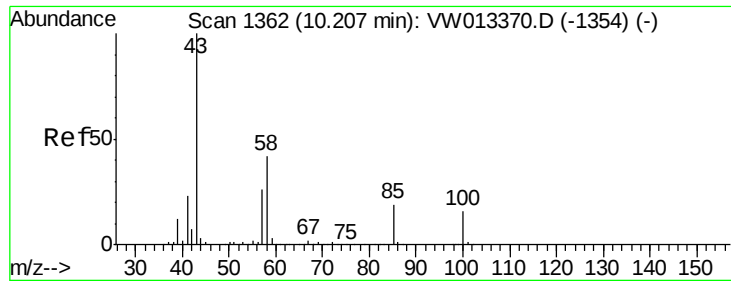


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 227.242 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 464135

Ion Ratio Lower Upper

43 100

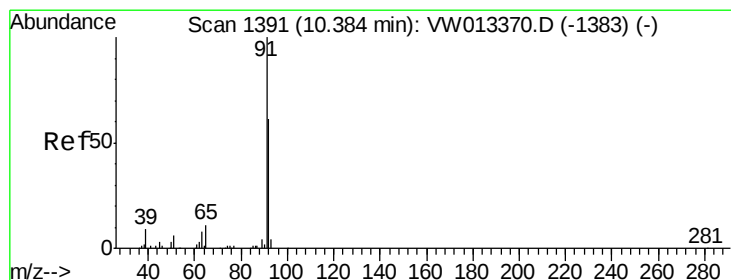
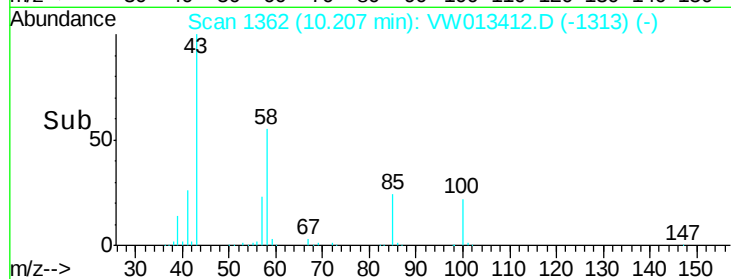
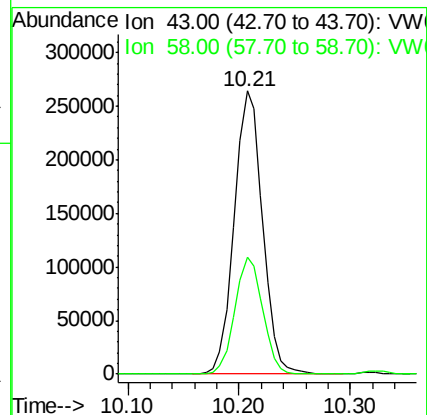
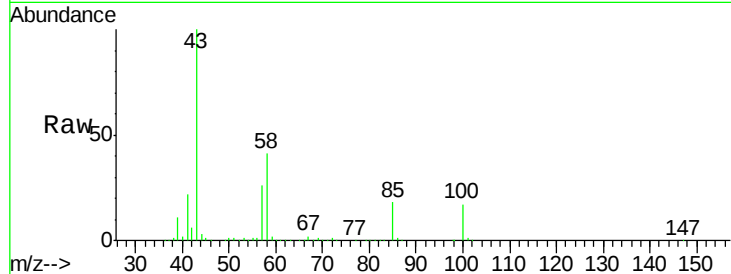
58 40.8 31.7 47.5

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#52

Toluene

Concen: 52.283 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013412.D

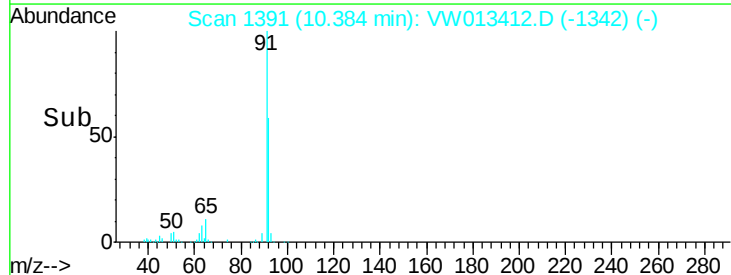
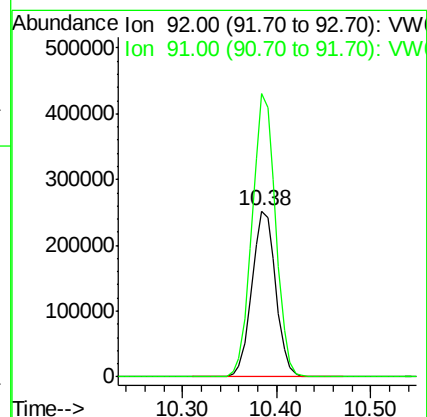
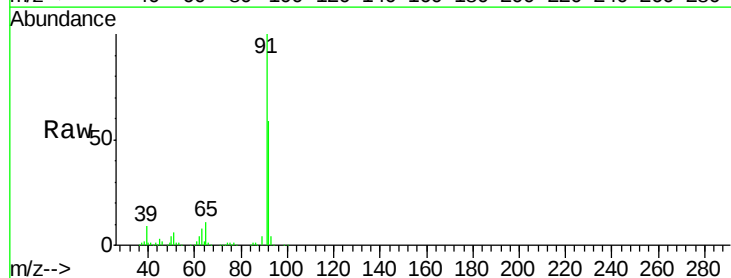
Acq: 03 Oct 2019 10:32

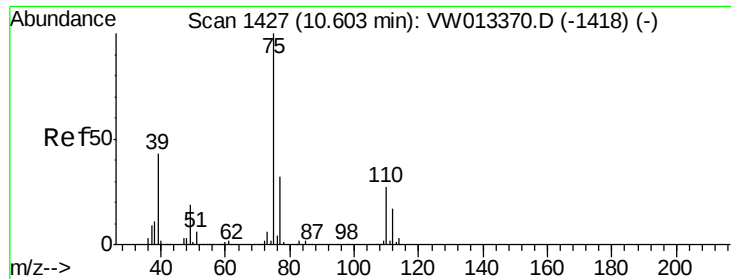
Tgt Ion: 92 Resp: 446765

Ion Ratio Lower Upper

92 100

91 168.8 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 51.464 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 208785

Ion Ratio Lower Upper

75 100

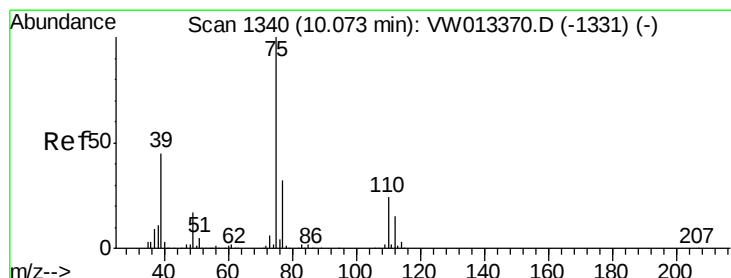
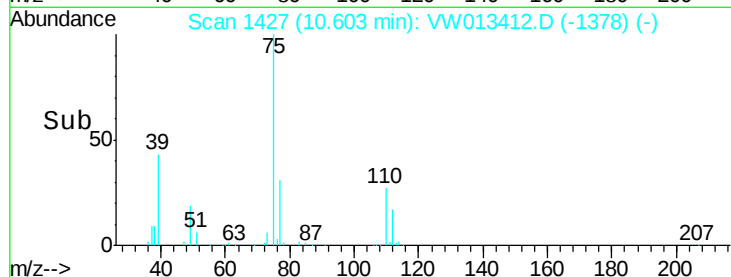
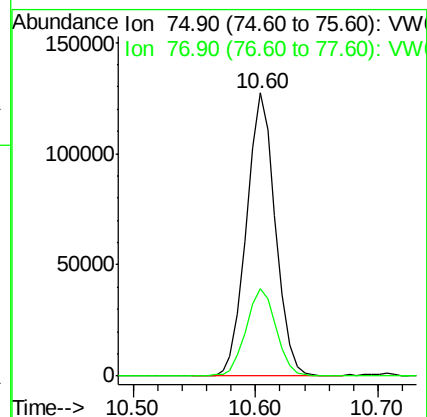
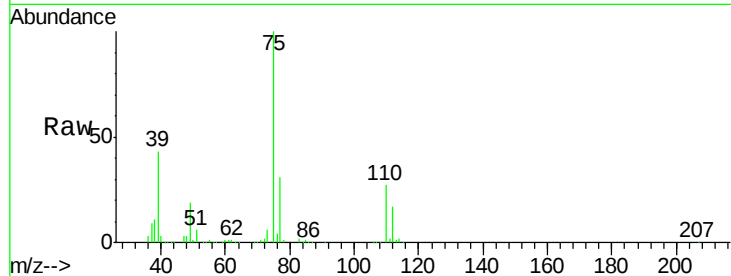
77 30.7 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 52.408 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

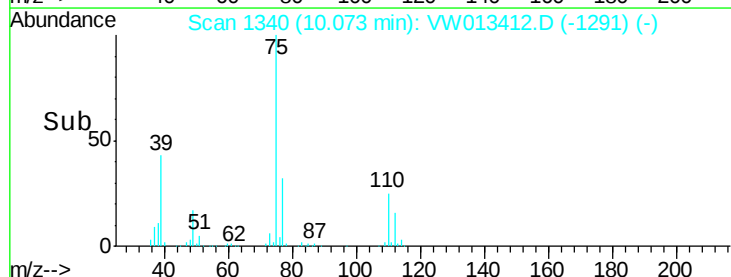
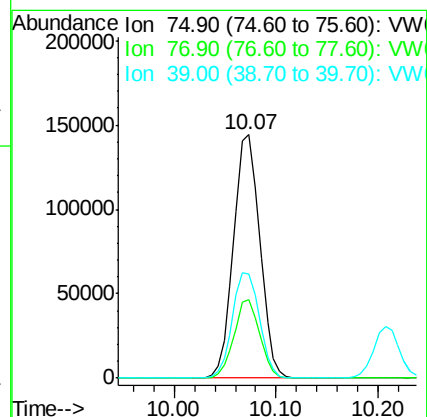
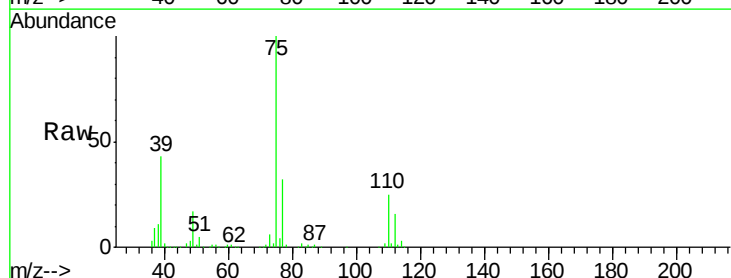
Tgt Ion: 75 Resp: 257784

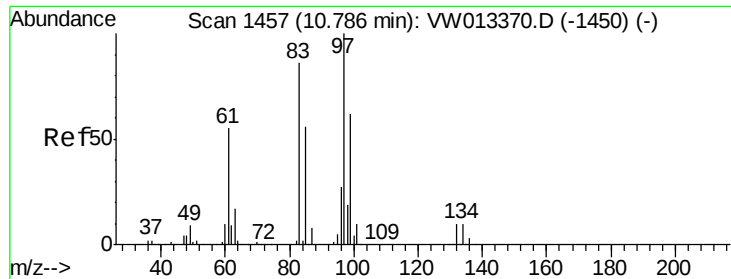
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 43.0 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 49.778 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

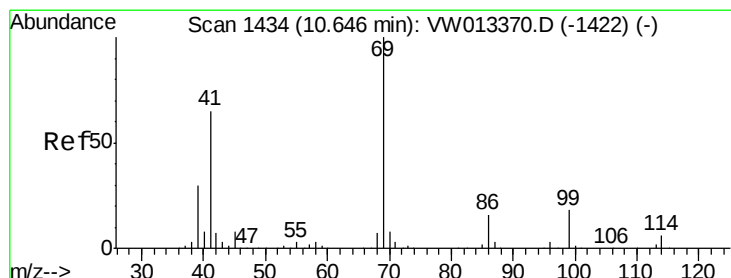
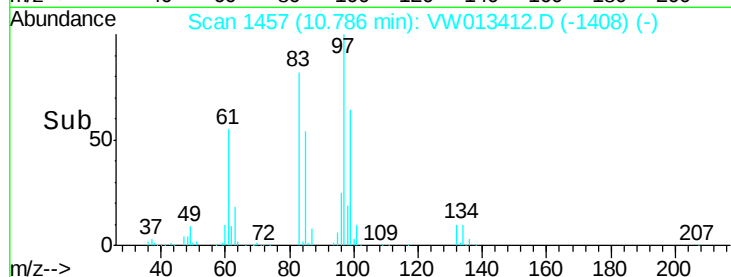
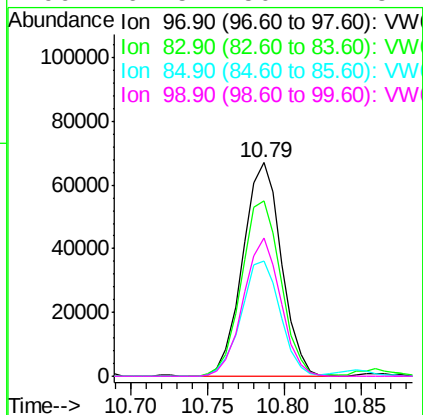
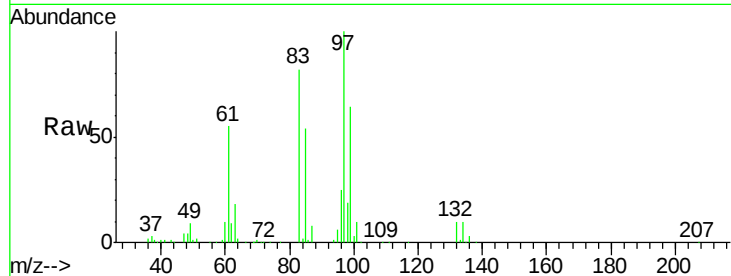
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 117650 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 82.2  | 67.6  | 101.4  |
| 85       | 54.2  | 41.9  | 62.9   |
| 99       | 64.5  | 50.1  | 75.1   |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 48.958 ug/l

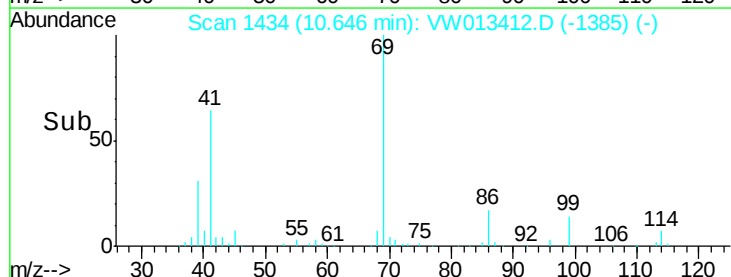
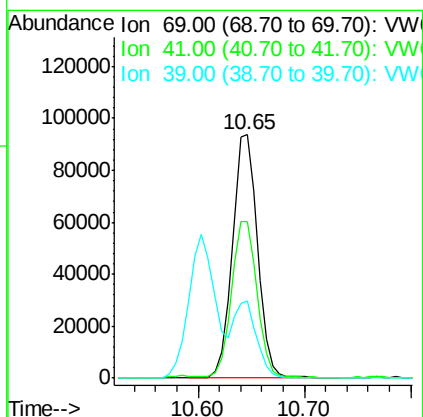
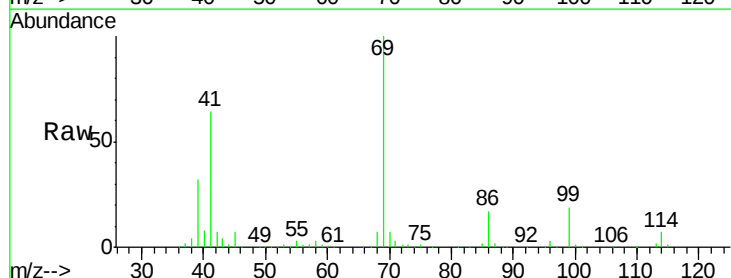
RT: 10.65 min Scan# 1434

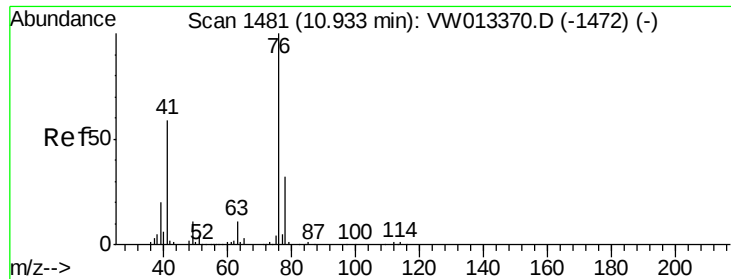
Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 155750 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 65.1  | 53.9  | 80.9   |
| 39       | 28.0  | 23.8  | 35.6   |





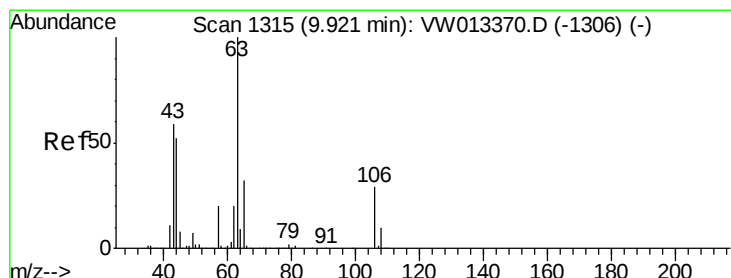
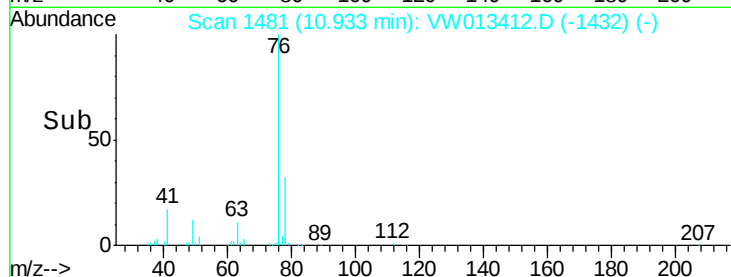
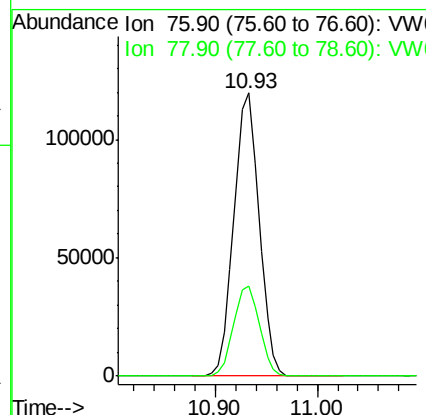
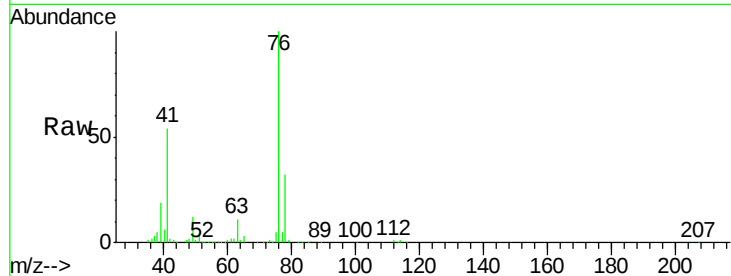
#57  
 1,3-Dichloropropane  
 Concen: 49.892 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.6  | 25.5  | 38.3  |

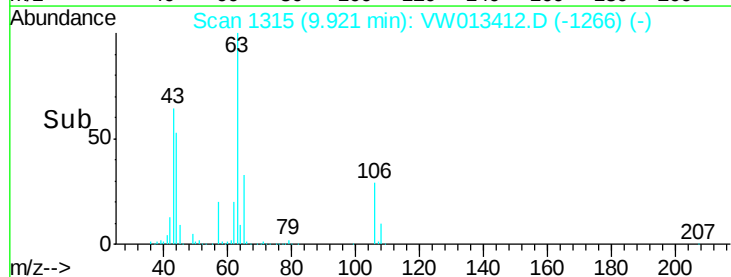
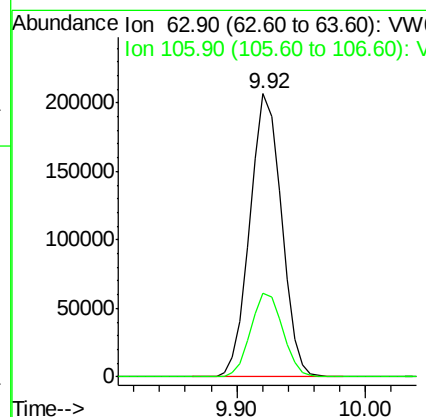
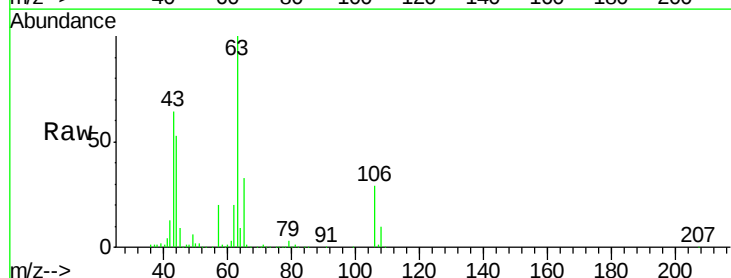
Manual Integrations  
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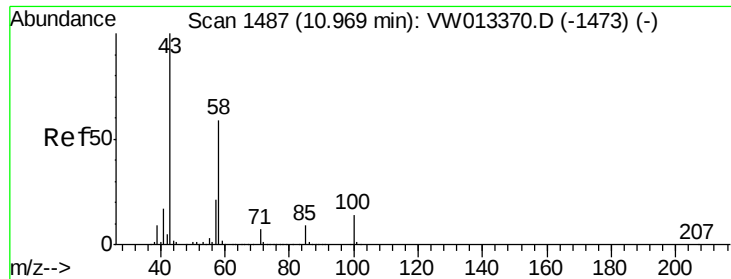
MMDadoda  
 10/4/2019 12:07:07 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 267.904 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 30.0  | 23.4  | 35.0  |





#59

2-Hexanone

Concen: 241.051 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 341255

Ion Ratio Lower Upper

43 100

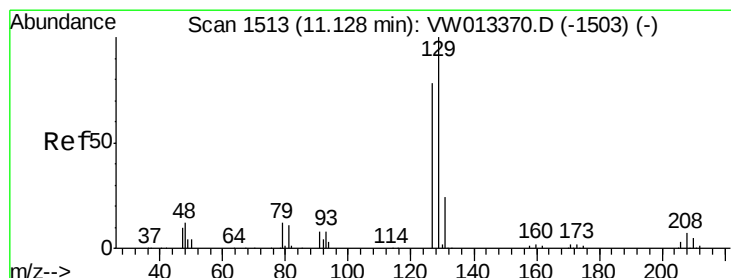
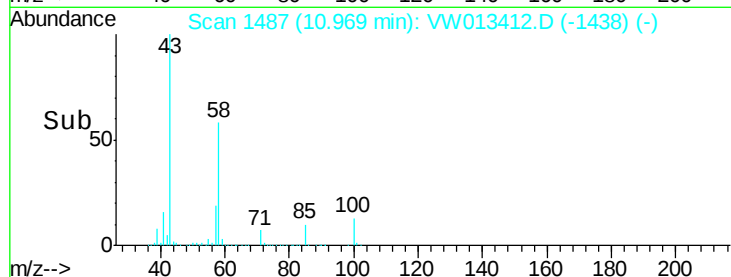
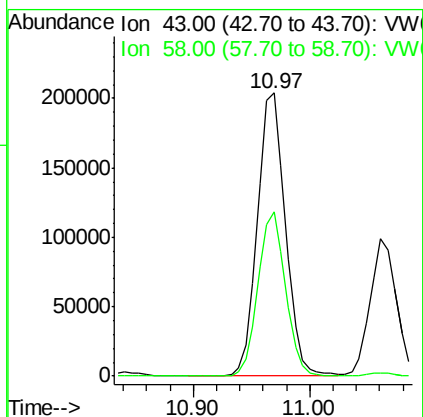
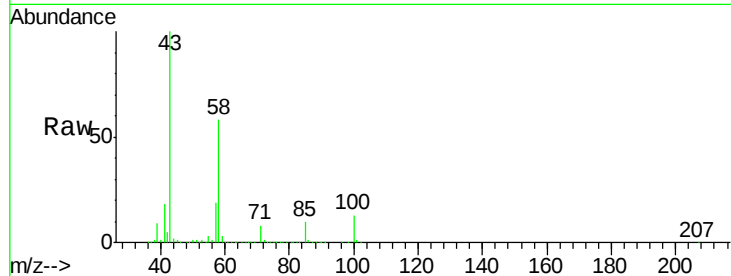
58 57.0 28.1 84.2

Manual Integrations

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#60

Dibromochloromethane

Concen: 51.249 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013412.D

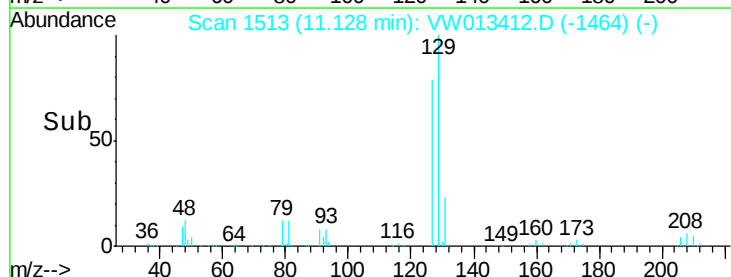
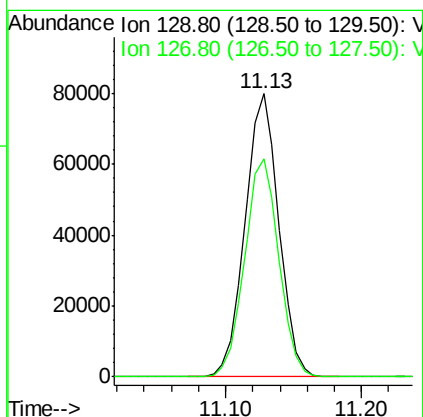
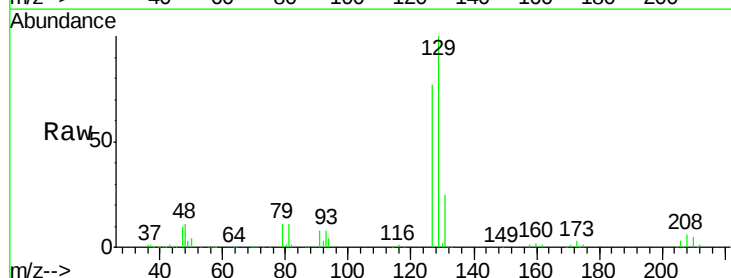
Acq: 03 Oct 2019 10:32

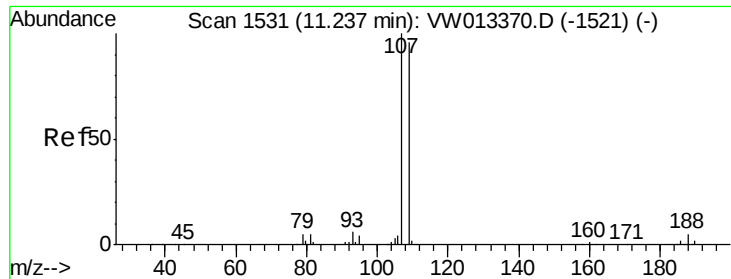
Tgt Ion: 129 Resp: 138573

Ion Ratio Lower Upper

129 100

127 78.1 38.8 116.4





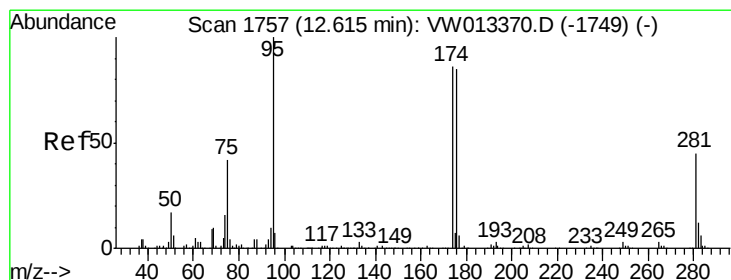
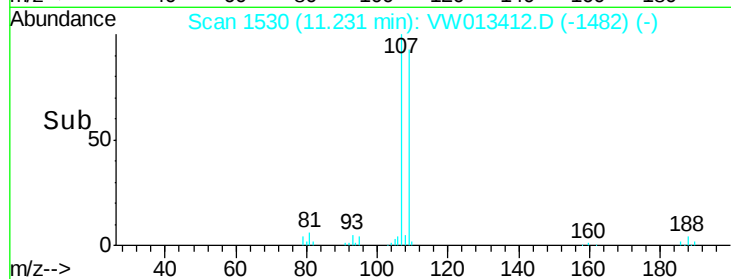
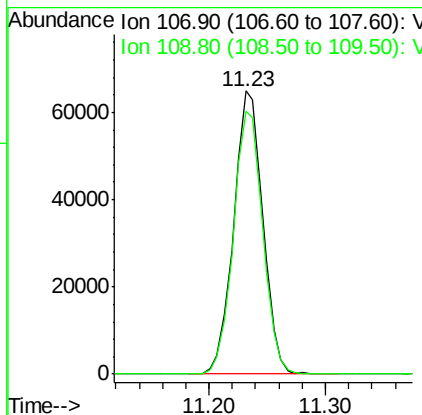
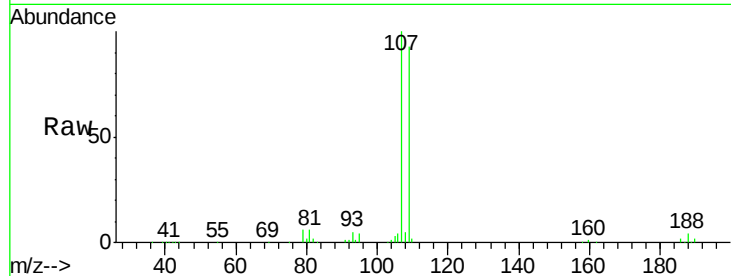
#61  
 1,2-Dibromoethane  
 Concen: 49.415 ug/l  
 RT: 11.23 min Scan# 1530  
 Delta R.T. -0.01 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 112858 |       |       |
| 109     | 94.1  | 75.2   | 112.8 |       |

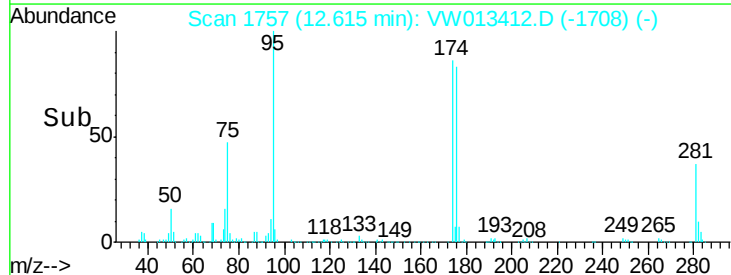
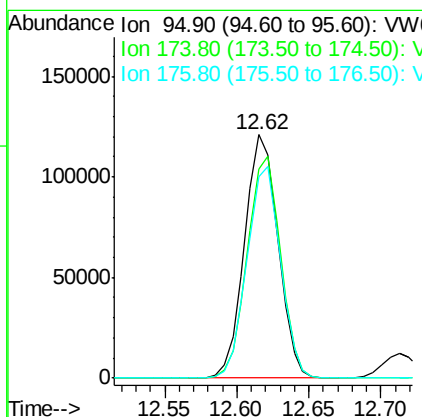
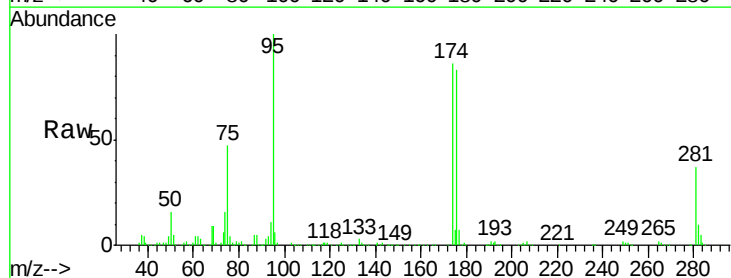
Manual Integrations  
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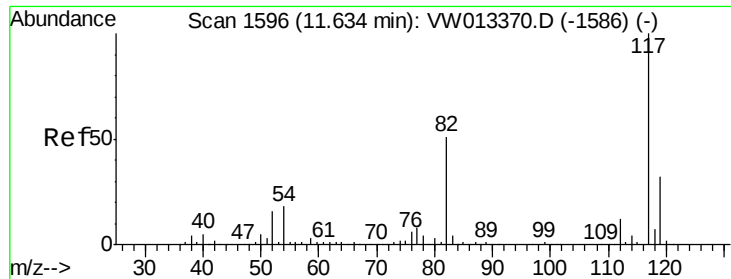
MMDadoda  
 10/4/2019 12:07:07 PM



#62  
 4-Bromofluorobenzene  
 Concen: 53.101 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 194561 |       |       |
| 174     | 90.3  | 0.0    | 178.4 |       |
| 176     | 86.8  | 0.0    | 172.2 |       |





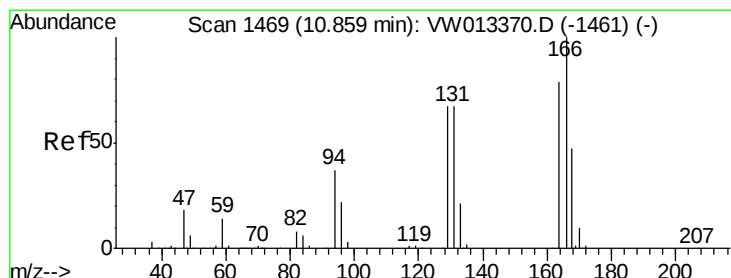
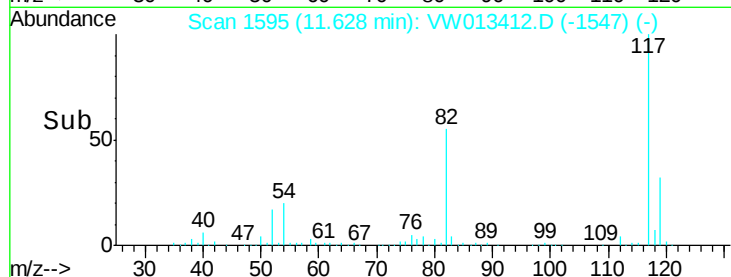
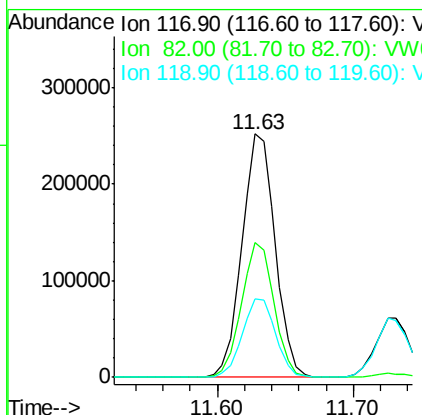
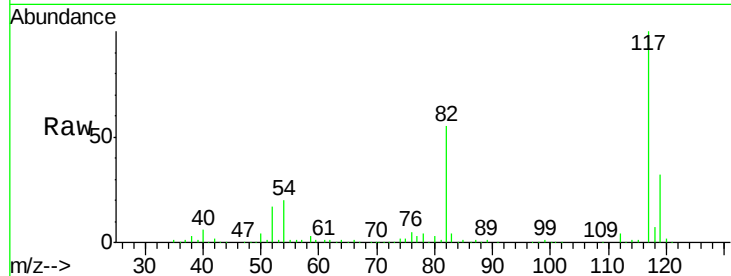
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.4  | 45.9  | 68.9  |
| 119     | 32.0  | 26.2  | 39.2  |

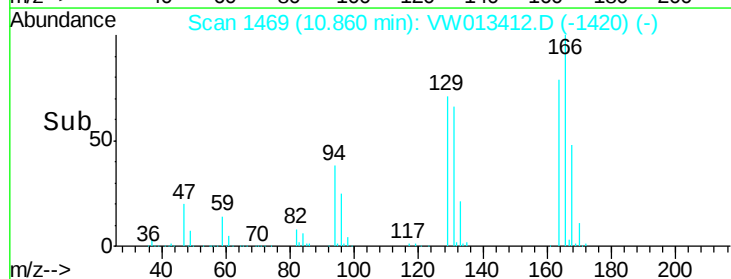
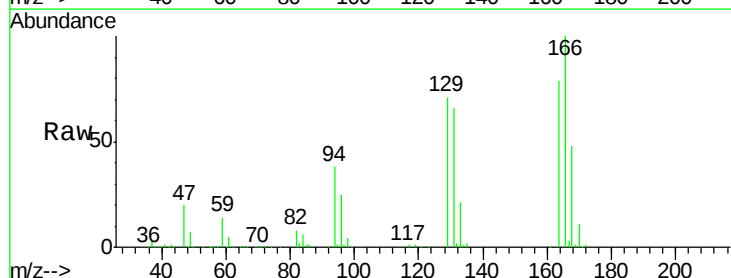
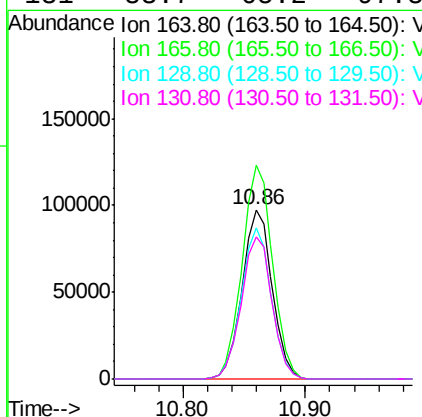
Manual Integrations  
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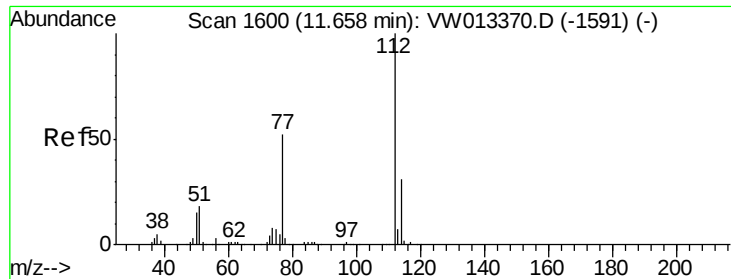
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 50.860 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.0 | 101.2 | 151.8 |
| 129     | 89.5  | 68.8  | 103.2 |
| 131     | 83.7  | 65.2  | 97.8  |





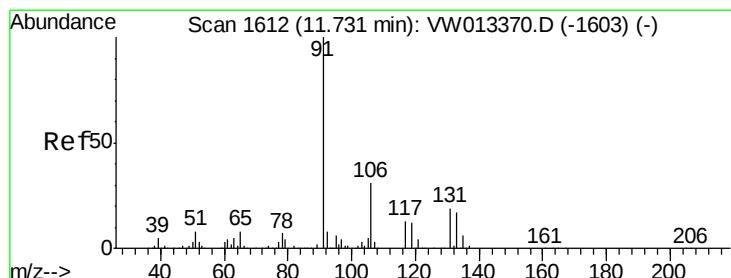
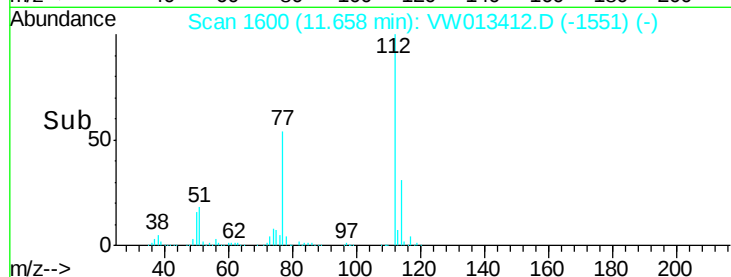
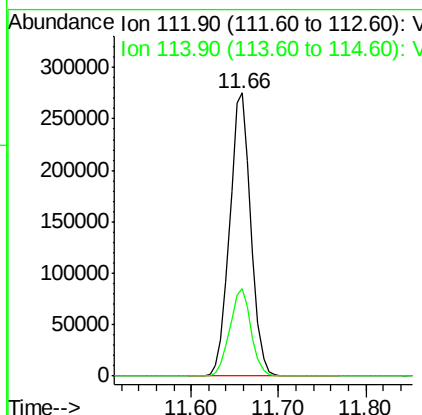
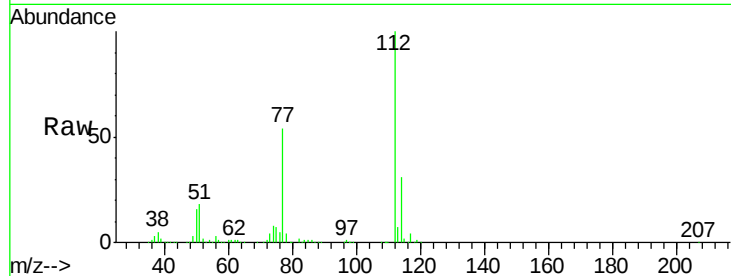
#65  
Chlorobenzene  
Concen: 52.576 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.1  | 26.5  | 39.7  |

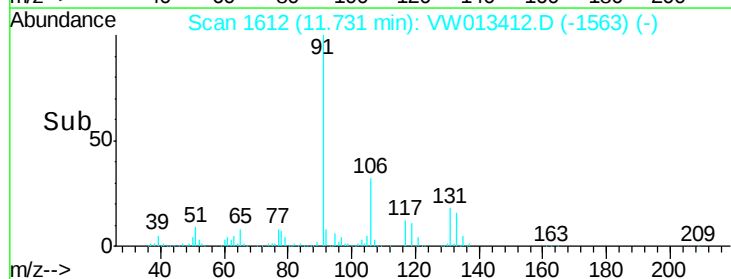
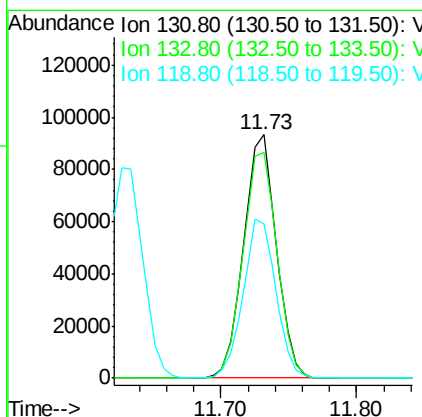
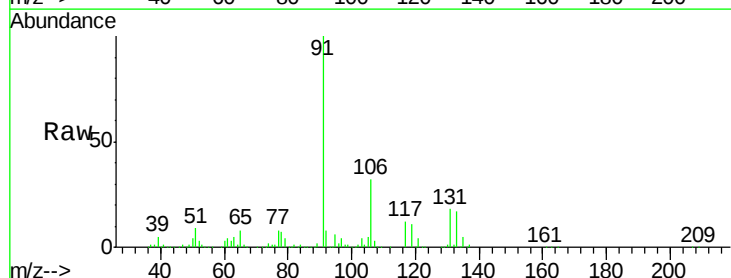
Manual Integrations  
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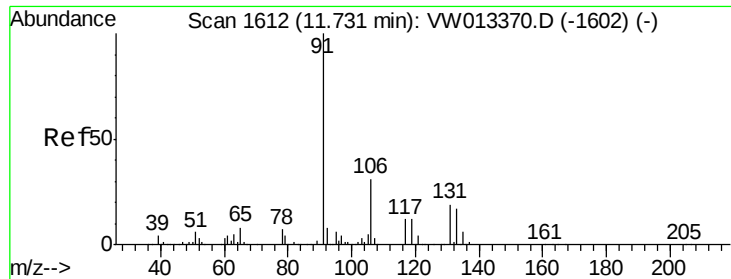
MMDadoda  
10/4/2019 12:07:07 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.772 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.4  | 47.5  | 142.6 |
| 119     | 65.4  | 32.5  | 97.5  |





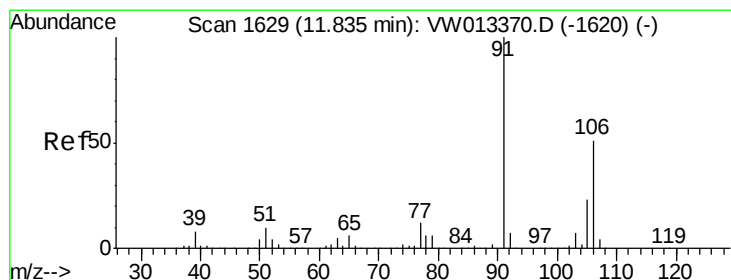
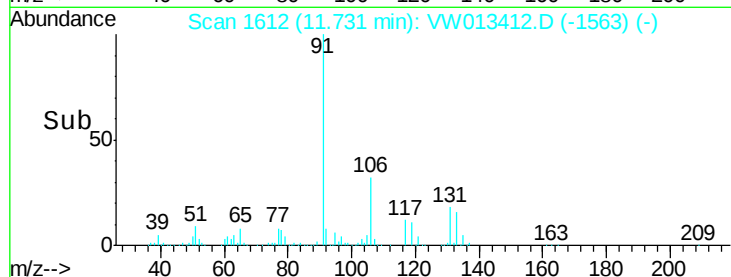
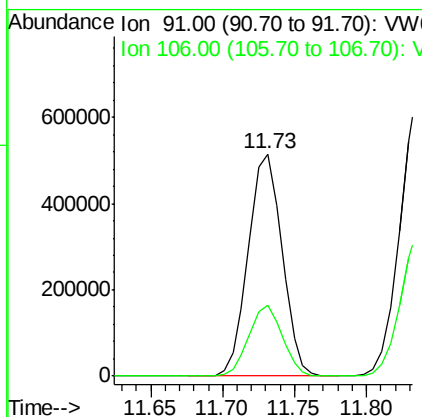
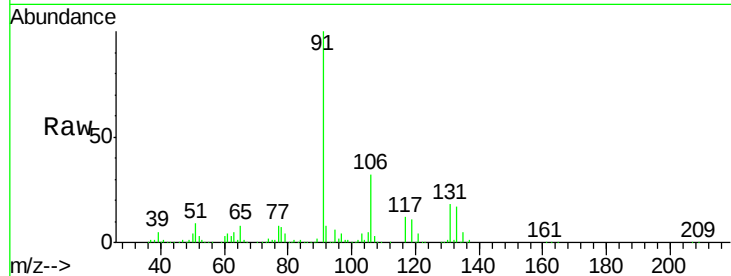
#67  
Ethyl Benzene  
Concen: 53.302 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 837894  
Ion Ratio Lower Upper  
91 100  
106 31.9 24.9 37.3

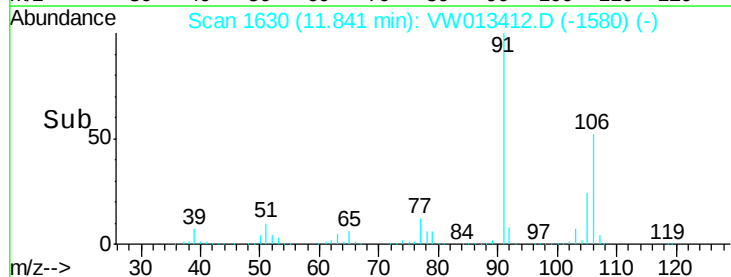
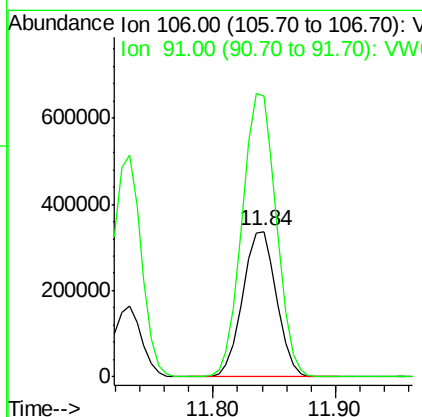
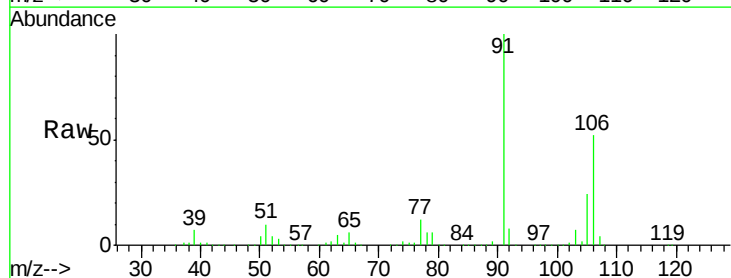
Manual Integrations  
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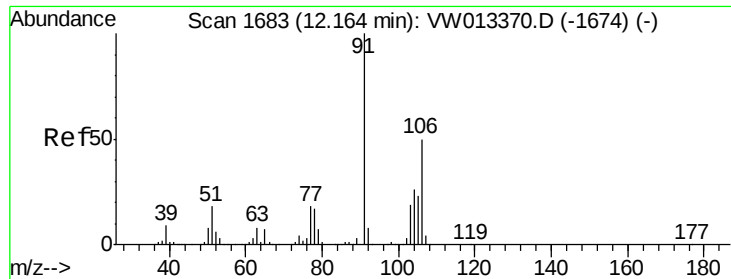
MMDadoda  
10/4/2019 12:07:07 PM



#68  
m/p-Xylenes  
Concen: 106.810 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Tgt Ion: 106 Resp: 648086  
Ion Ratio Lower Upper  
106 100  
91 197.0 157.9 236.9





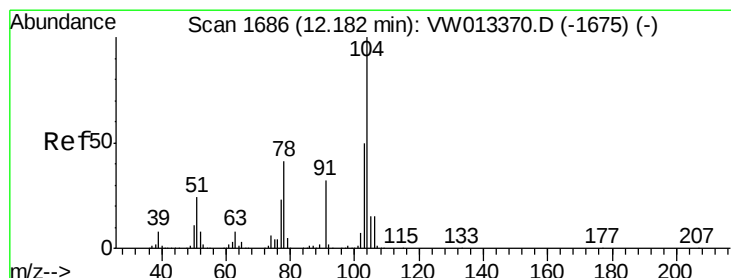
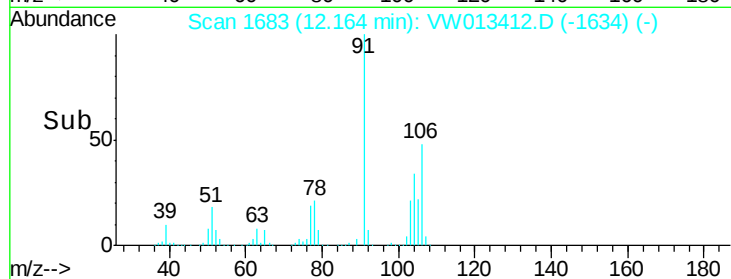
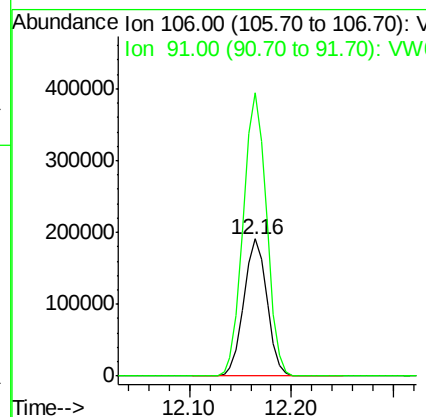
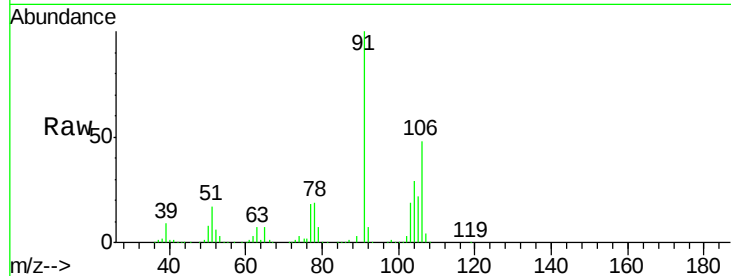
#69  
o-Xylene  
Concen: 53.338 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 299229 |       |       |
| 91      | 207.7 | 106.5 | 319.5  |       |       |

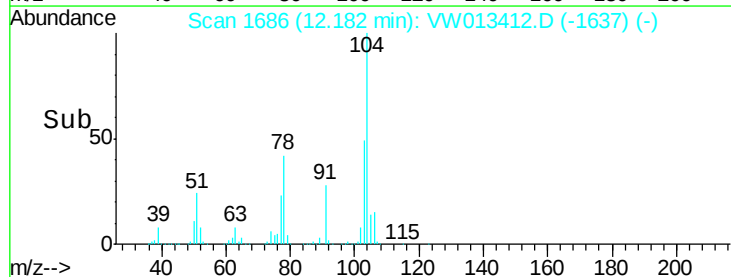
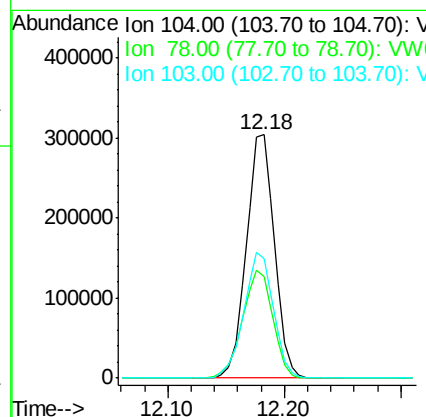
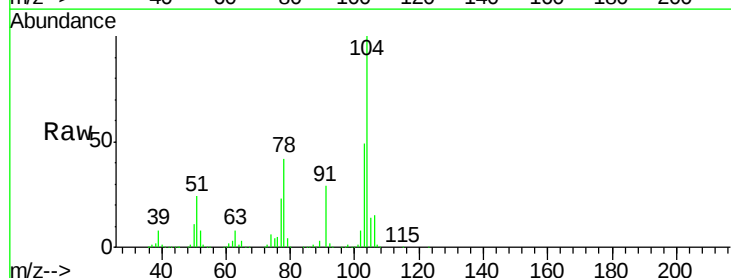
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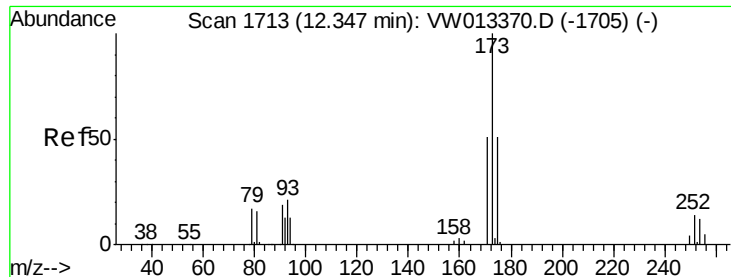
MMDadoda  
10/4/2019 12:07:07 PM



#70  
Styrene  
Concen: 53.413 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 512234 |       |       |
| 78      | 47.6 | 38.4  | 57.6   |       |       |
| 103     | 54.3 | 43.3  | 64.9   |       |       |





#71

Bromoform

Concen: 51.155 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82854

Ion Ratio Lower Upper

173 100

175 48.3 24.3 73.0

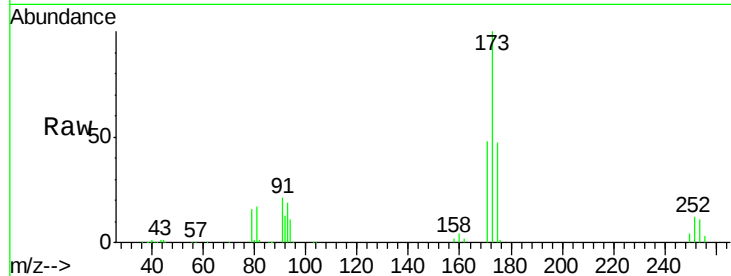
254 0.0 0.1 0.1#

Manual Integrations

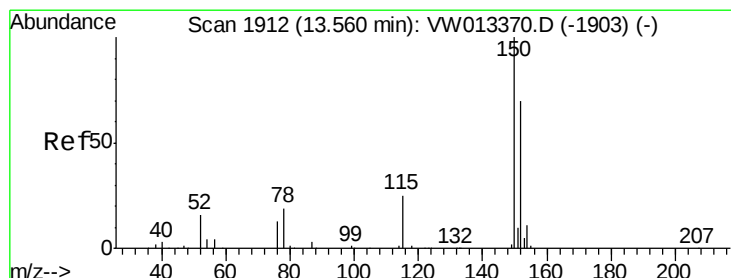
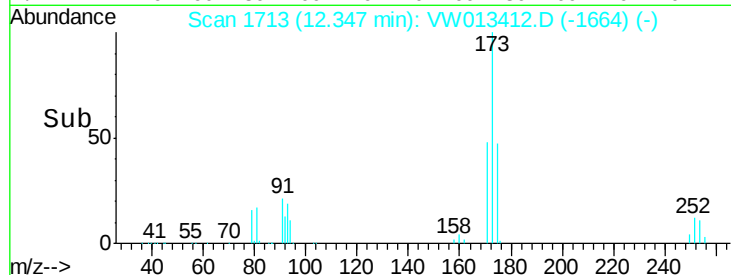
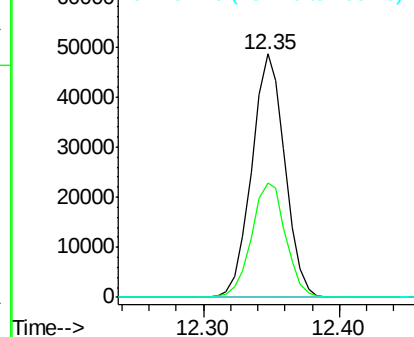
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

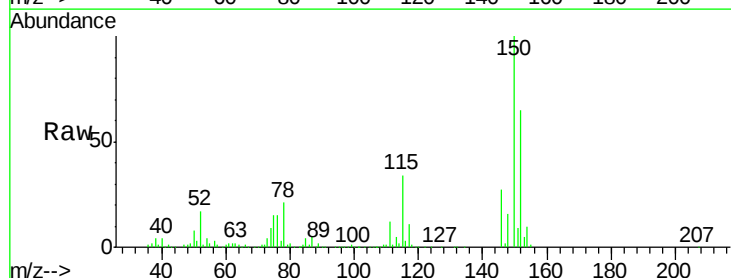
Tgt Ion:152 Resp: 217715

Ion Ratio Lower Upper

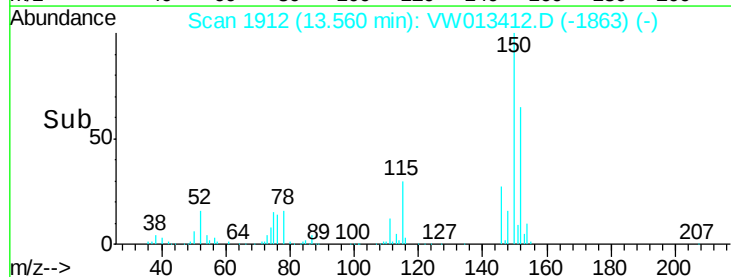
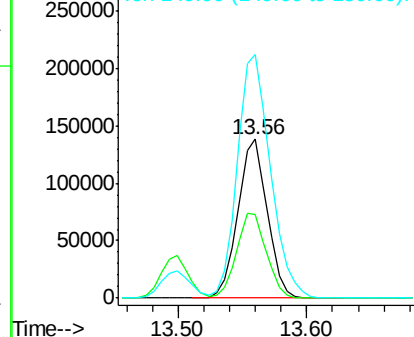
152 100

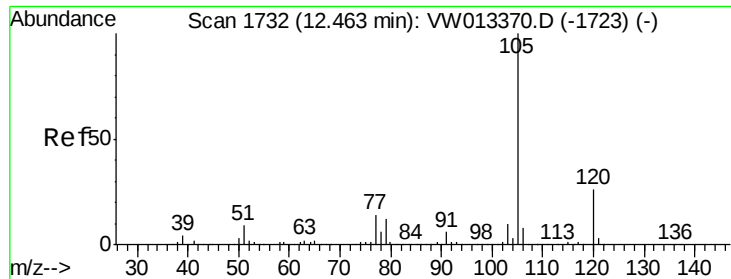
115 54.4 27.3 81.9

150 173.4 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: 52.817 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 841125

Ion Ratio Lower Upper

105 100

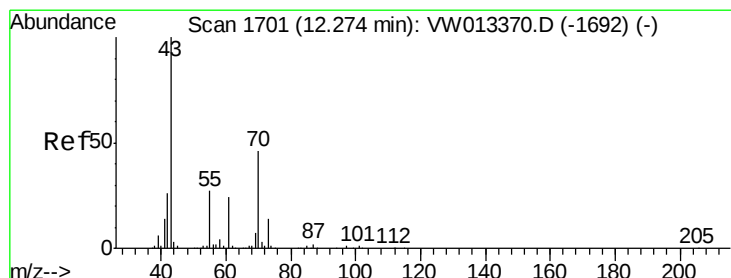
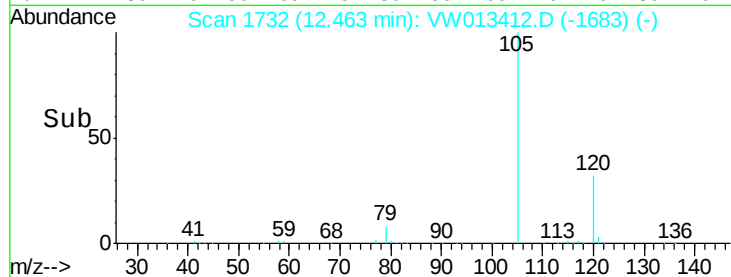
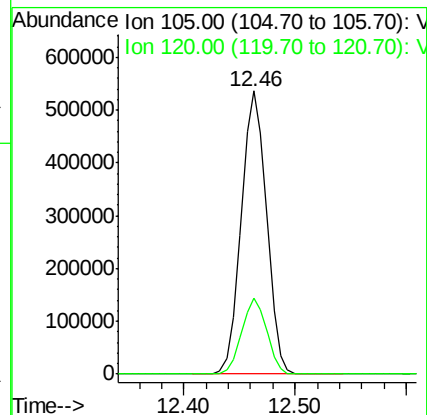
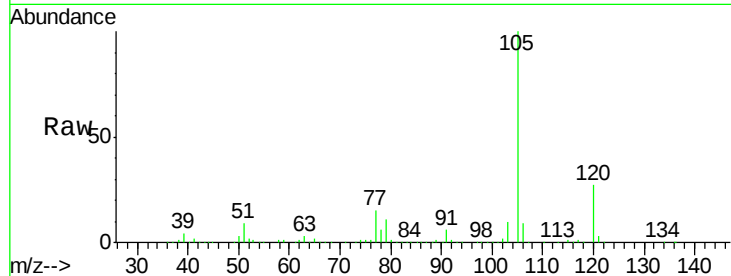
120 26.7 13.4 40.1

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#74

N-ethyl acetate

Concen: 49.175 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Tgt Ion: 43 Resp: 166665

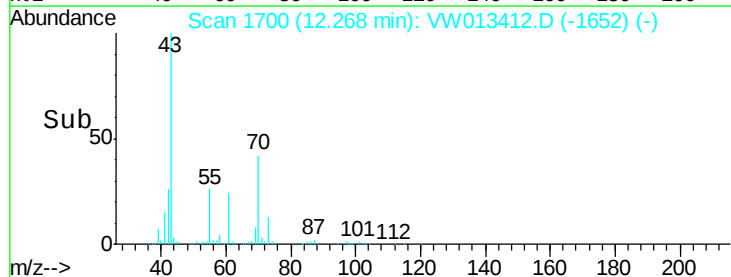
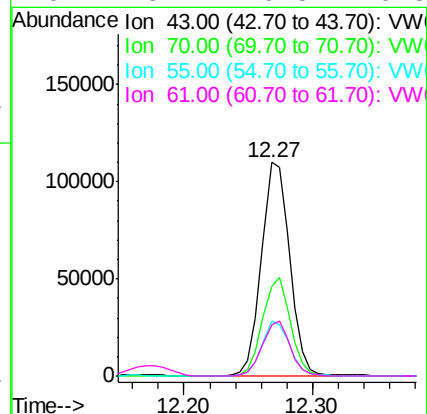
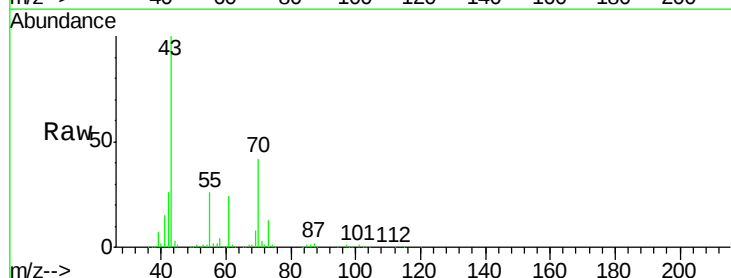
Ion Ratio Lower Upper

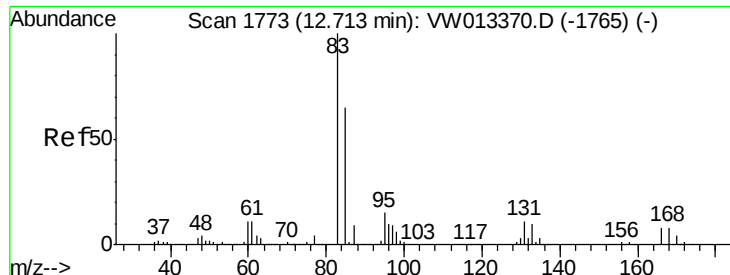
43 100

70 45.5 35.1 52.7

55 25.8 19.9 29.9

61 25.1 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.294 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

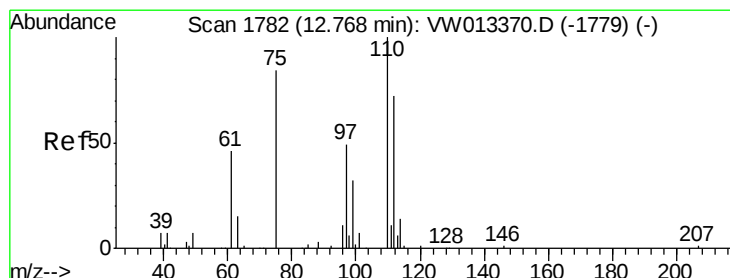
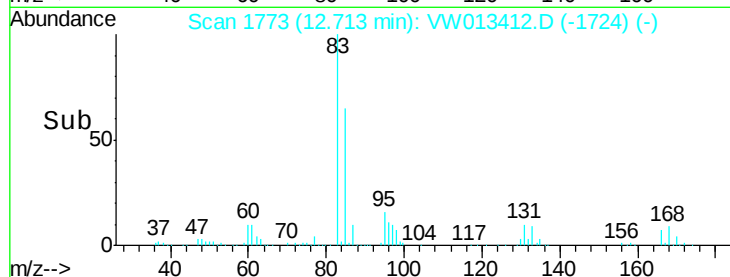
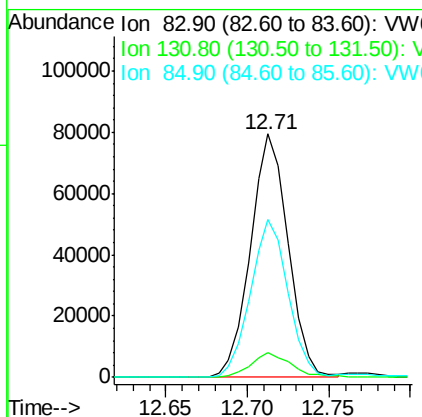
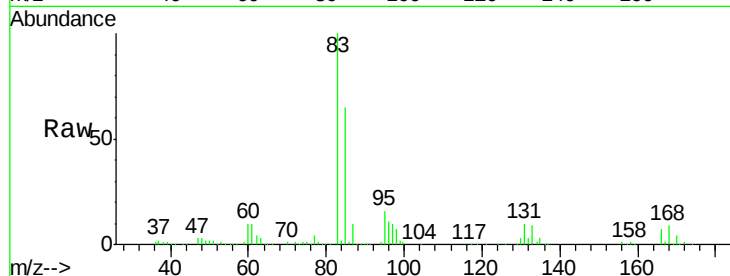
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 127481 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.0  | 5.4   | 16.2   |
| 85        | 64.3  | 31.9  | 95.9   |

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#76

1,2,3-Trichloropropane

Concen: 41.765 ug/l m

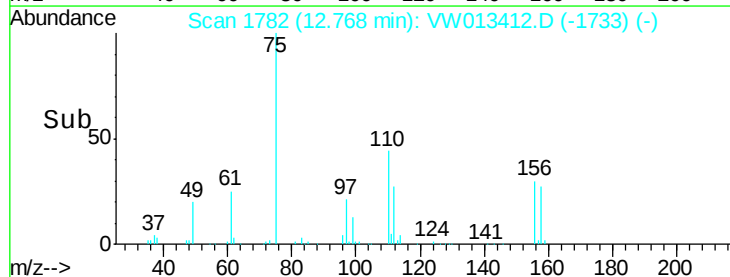
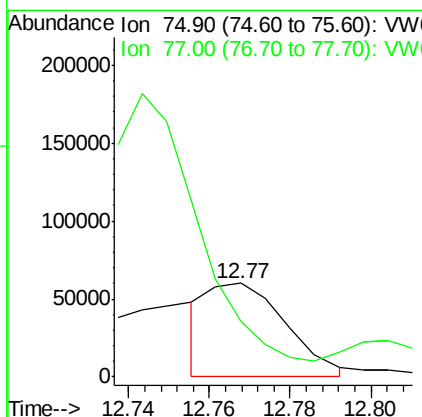
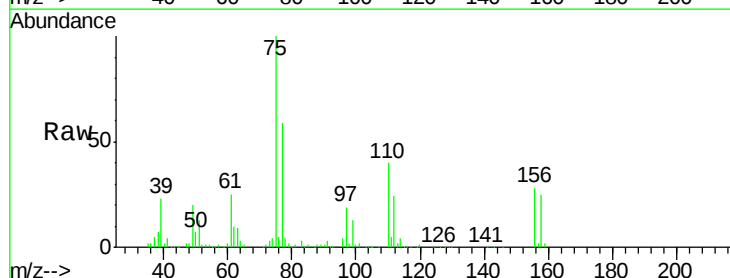
RT: 12.77 min Scan# 1782

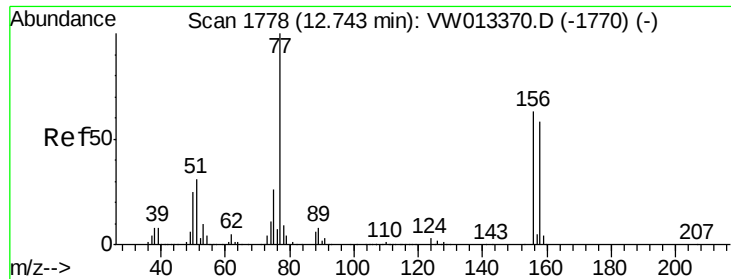
Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 80814 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 50.654 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

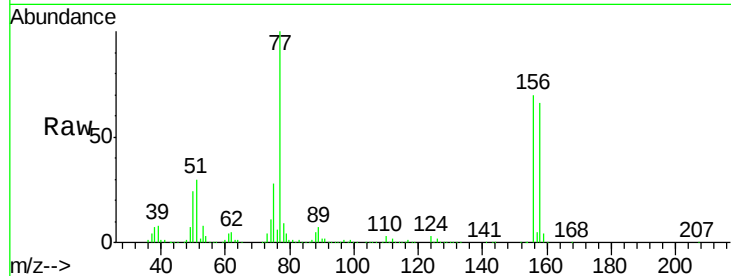
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 168.6 | 85.7  | 257.1 |
| 158     | 97.0  | 48.1  | 144.4 |

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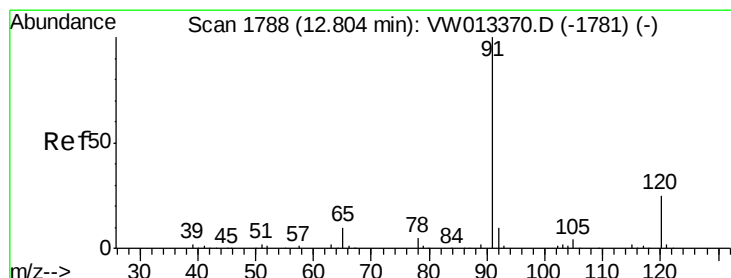
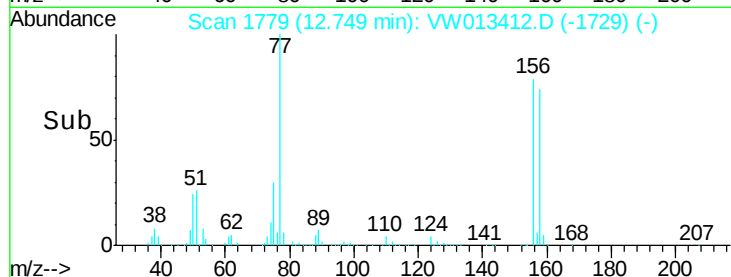
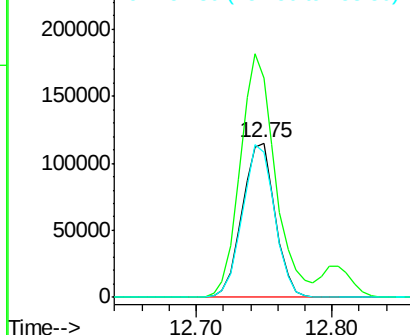


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.387 ug/l

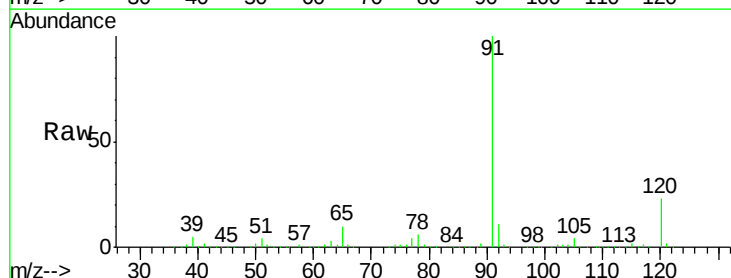
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

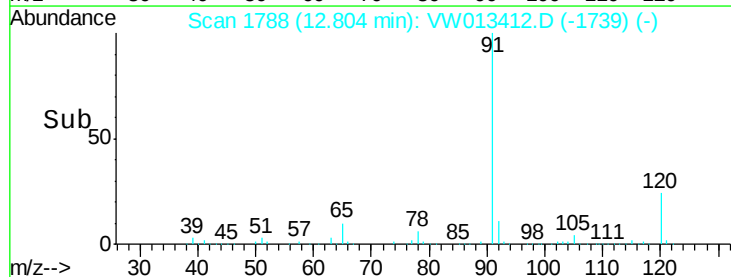
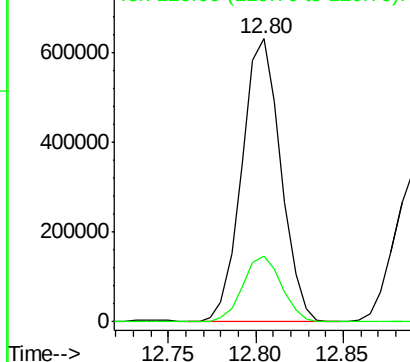
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.3  | 11.7  | 35.1  |

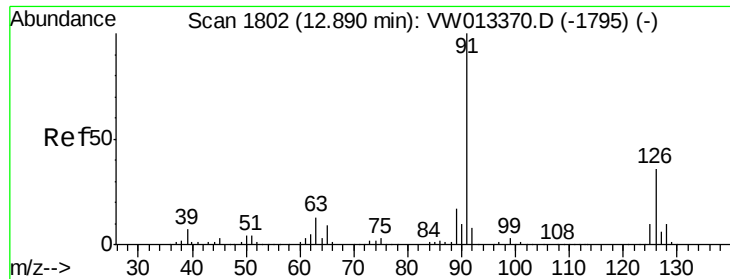


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.026 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 539525

Ion Ratio Lower Upper

91 100

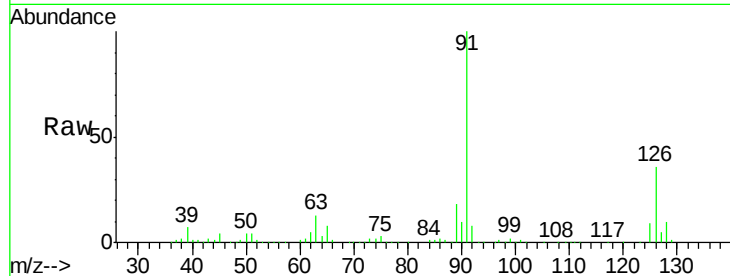
126 35.1 17.2 51.5

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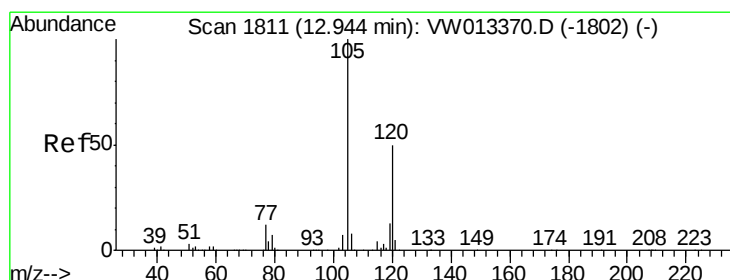
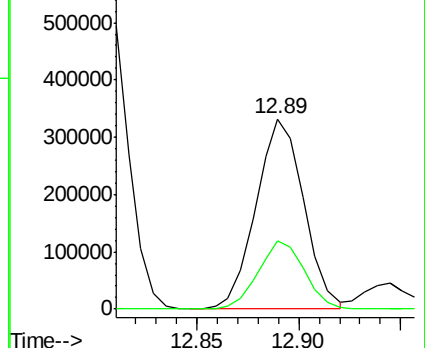
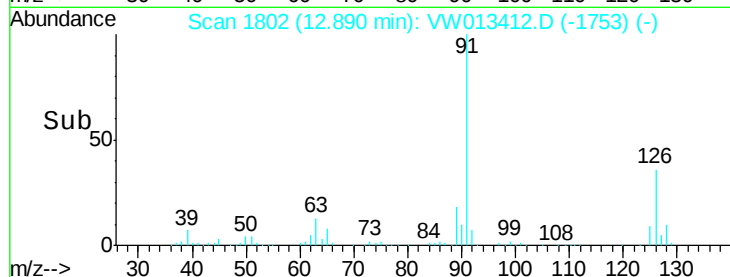
MMDadoda

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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: 52.706 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013412.D

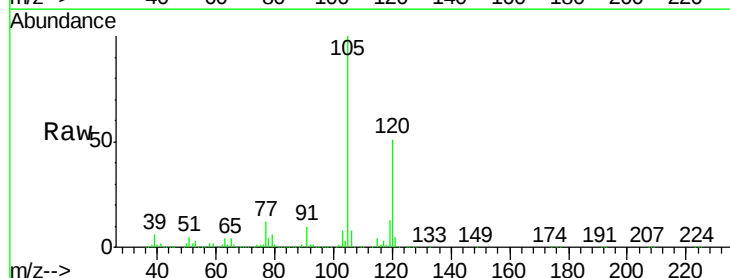
Acq: 03 Oct 2019 10:32

Tgt Ion:105 Resp: 697247

Ion Ratio Lower Upper

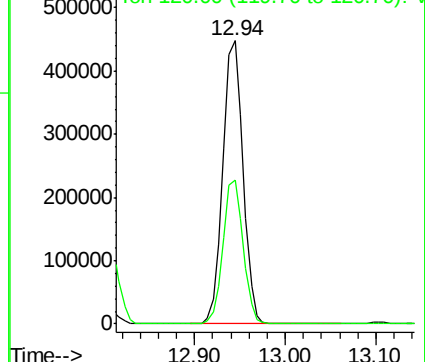
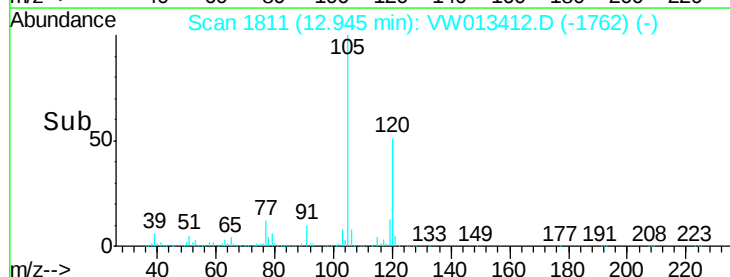
105 100

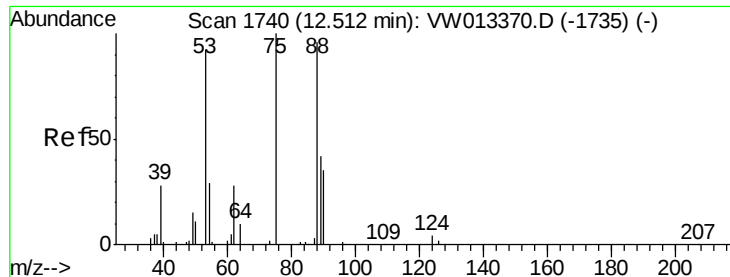
120 50.5 24.9 74.8



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: 47.900 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

Instrument :

MSVOA\_W

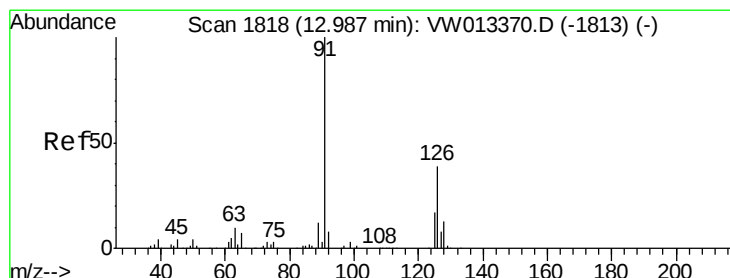
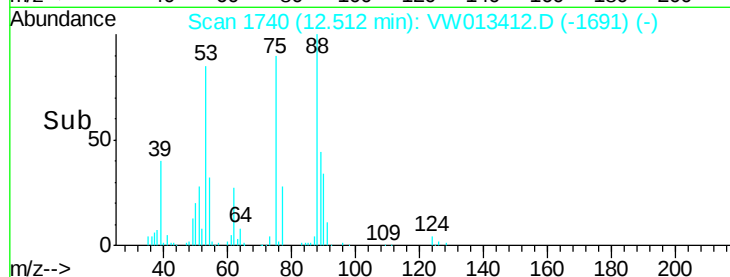
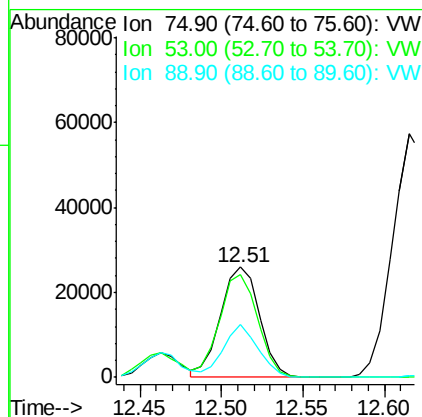
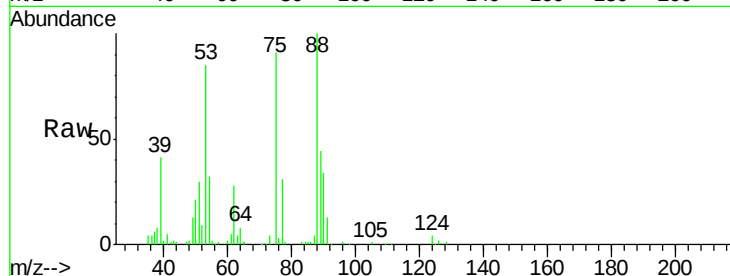
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 43411 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 92.5  | 76.6  | 114.8 |
| 89       | 42.5  | 33.5  | 50.3  |

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#82

4-Chlorotoluene

Concen: 52.840 ug/l

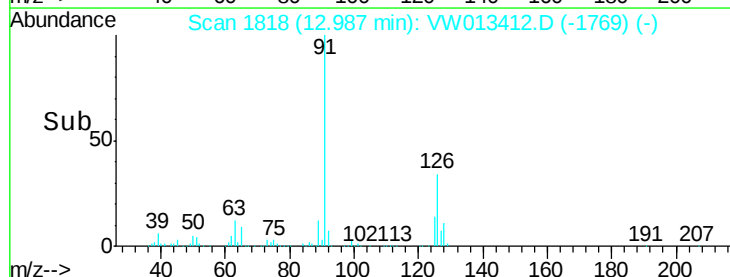
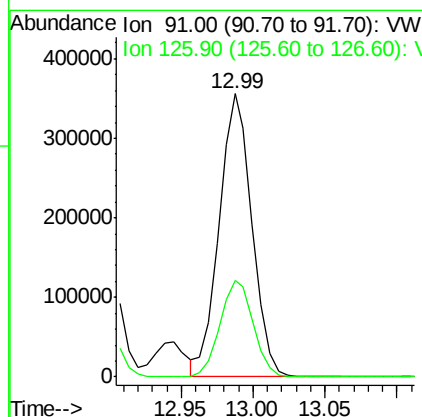
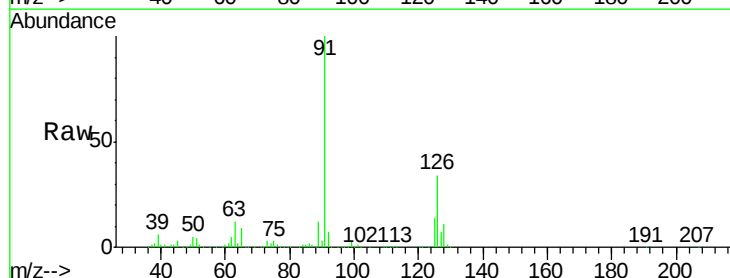
RT: 12.99 min Scan# 1818

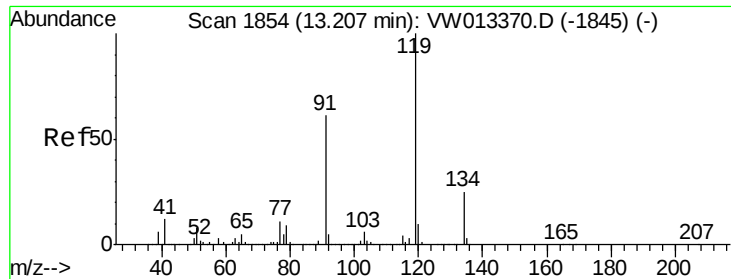
Delta R.T. 0.00 min

Lab File: VW013412.D

Acq: 03 Oct 2019 10:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 563182 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.6  | 17.3  | 51.7   |





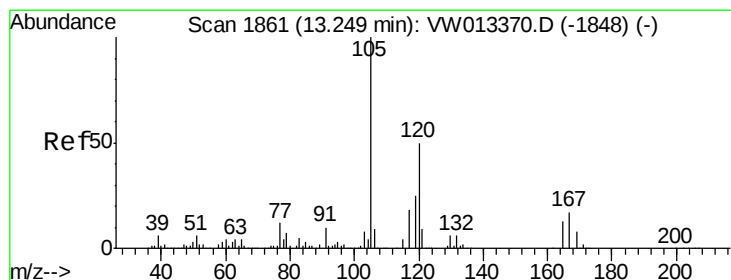
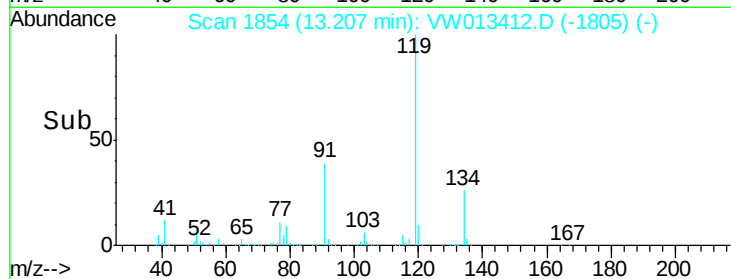
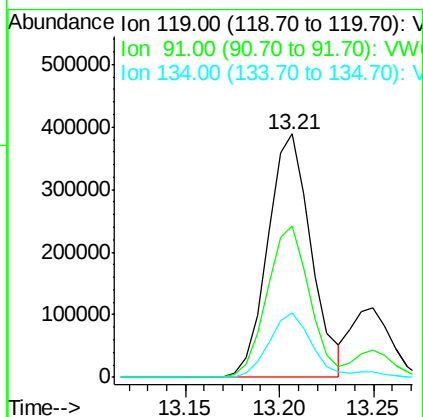
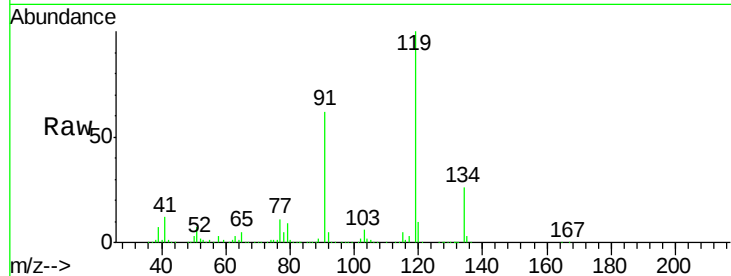
#83  
tert-Butylbenzene  
Concen: 53.730 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 61.0  | 30.7  | 92.1  |
| 134     | 25.8  | 12.6  | 37.6  |

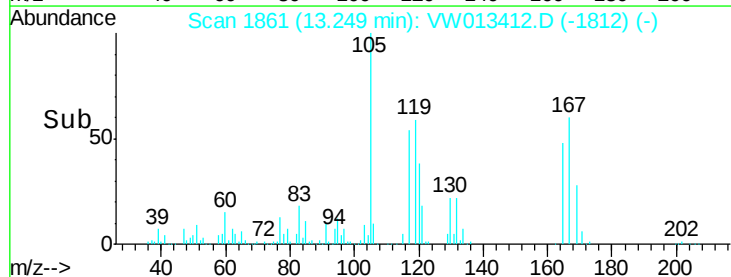
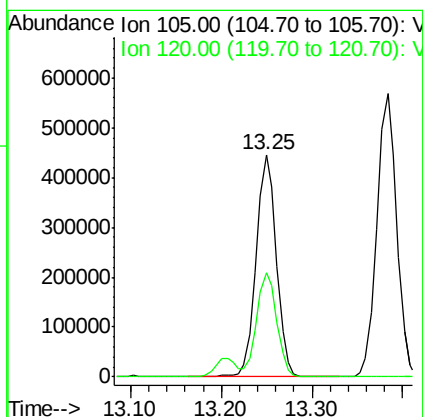
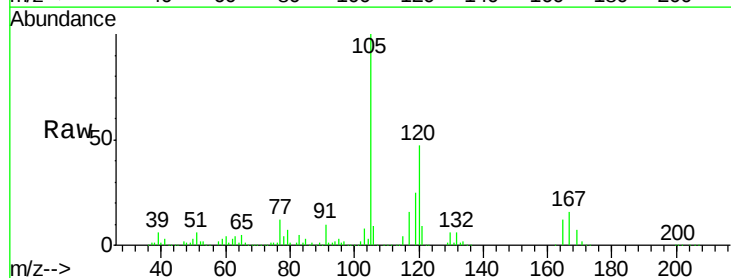
Manual Integrations  
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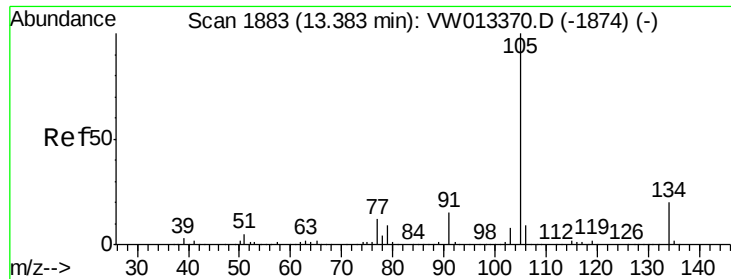
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 52.241 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.3  | 23.4  | 70.3  |





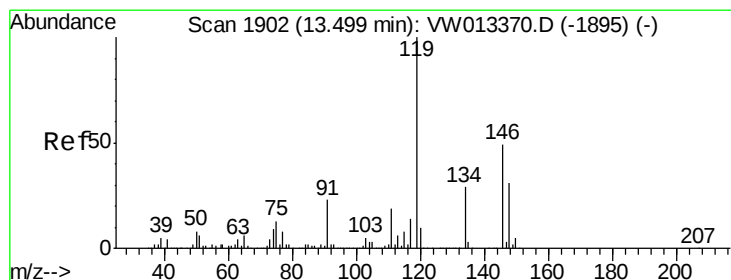
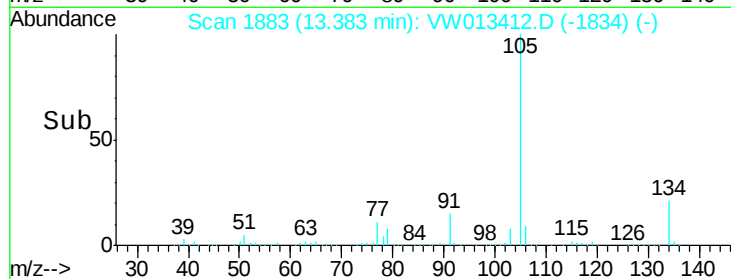
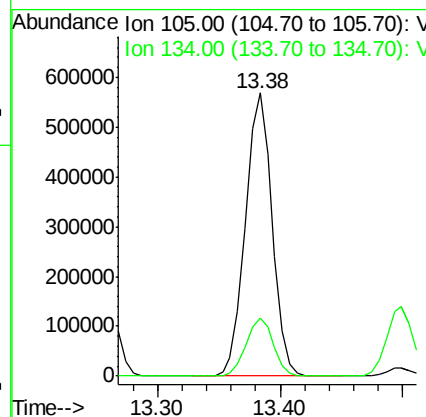
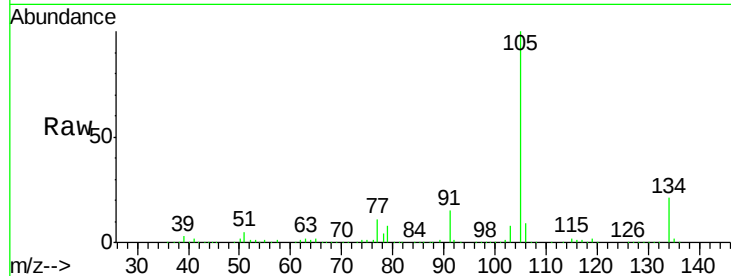
#85  
 sec-Butylbenzene  
 Concen: 53.844 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.9  | 10.3  | 30.8  |

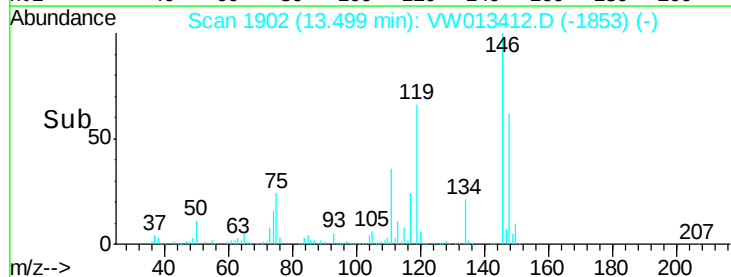
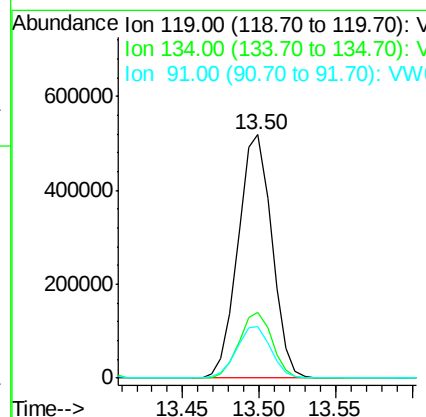
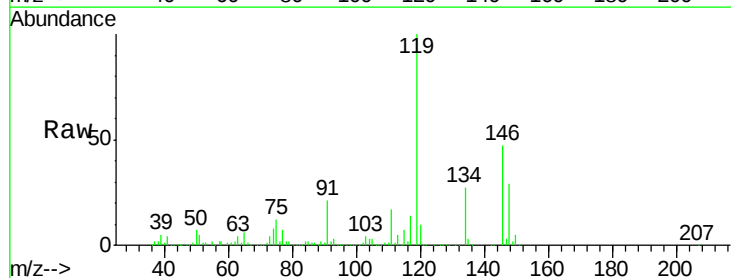
Manual Integrations  
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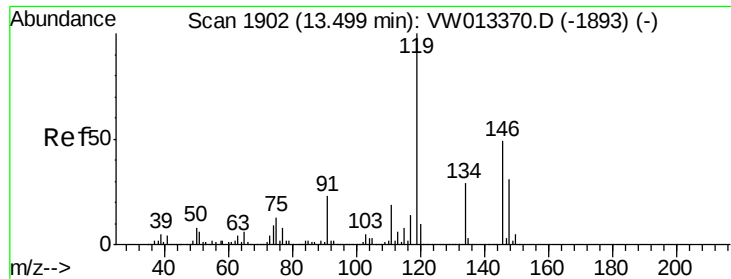
MMDadoda  
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#86  
 p-Isopropyltoluene  
 Concen: 53.909 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.4  | 13.3  | 39.8  |
| 91      | 21.4  | 10.8  | 32.4  |





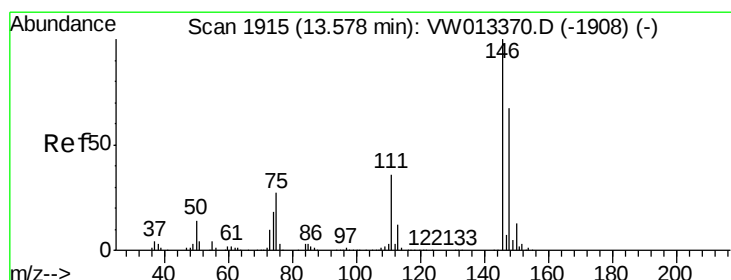
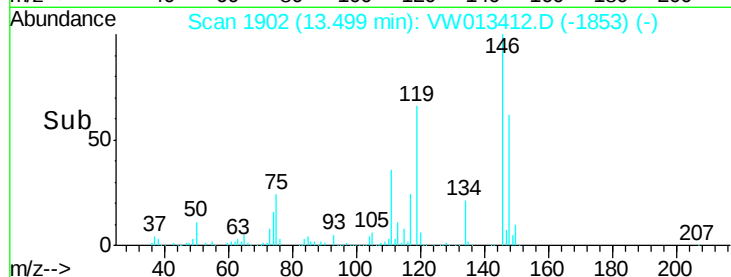
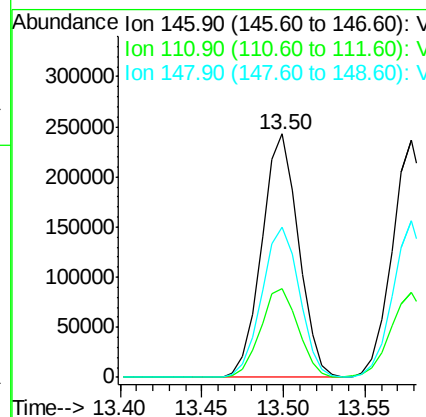
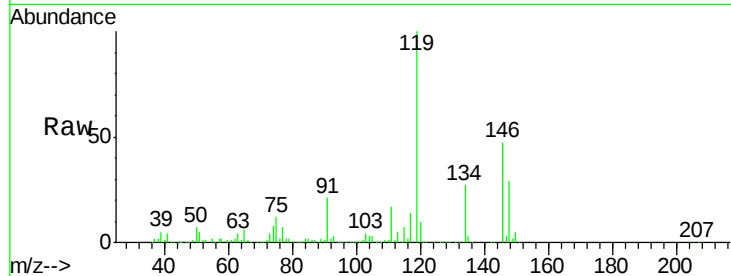
#87  
 1,3-Dichlorobenzene  
 Concen: 52.770 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 379640 |       |       |
| 111     | 37.3  | 18.9   | 56.9  |       |
| 148     | 63.3  | 31.9   | 95.5  |       |

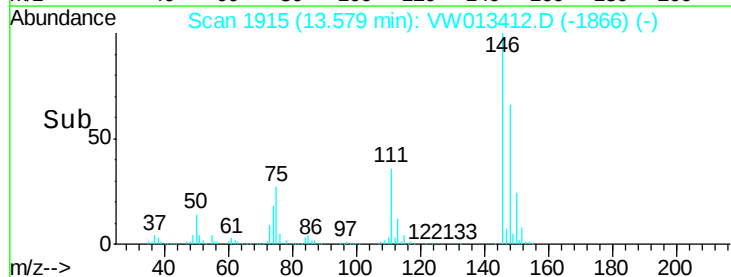
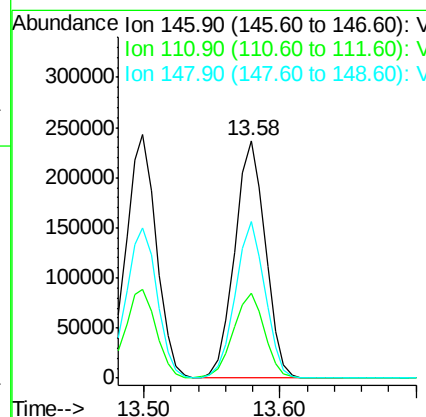
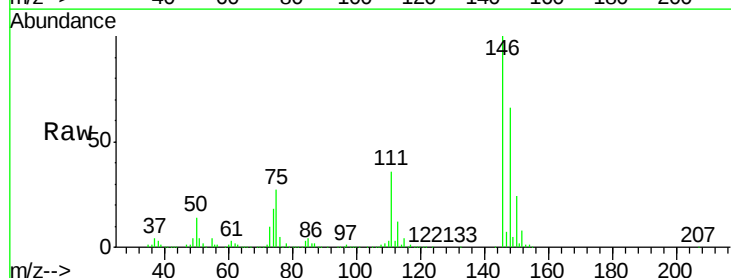
Manual Integrations  
 APPROVED

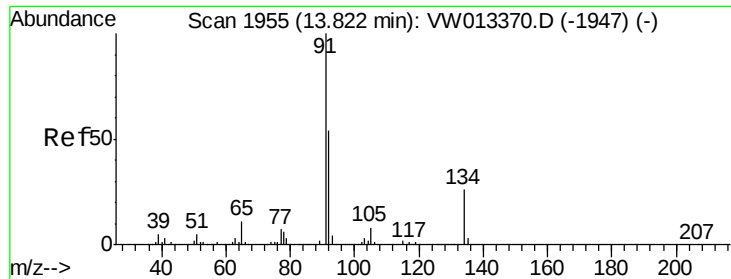
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#88  
 1,4-Dichlorobenzene  
 Concen: 51.503 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 370996 |       |       |
| 111     | 36.5  | 18.4   | 55.0  |       |
| 148     | 64.0  | 32.1   | 96.3  |       |





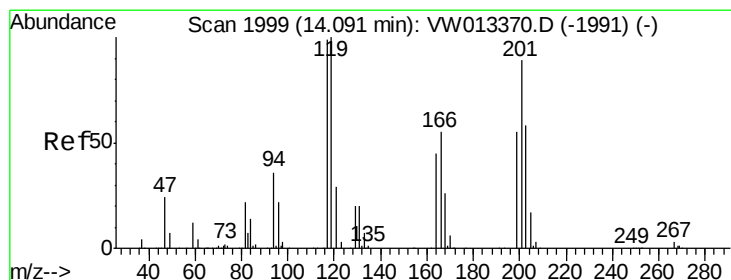
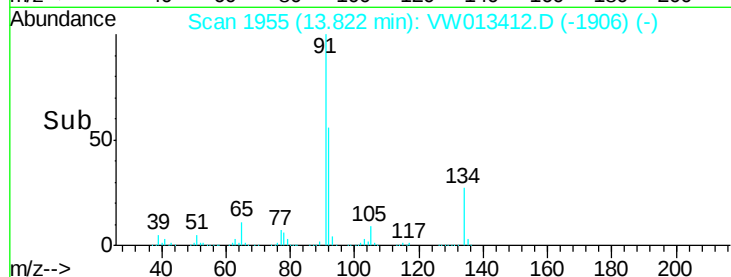
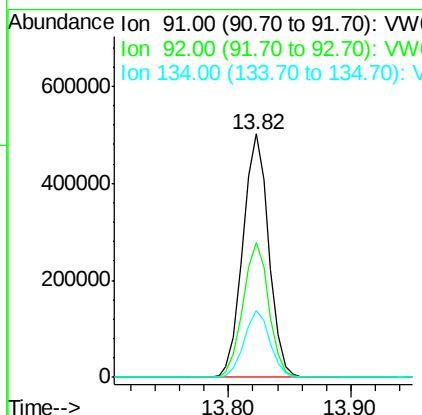
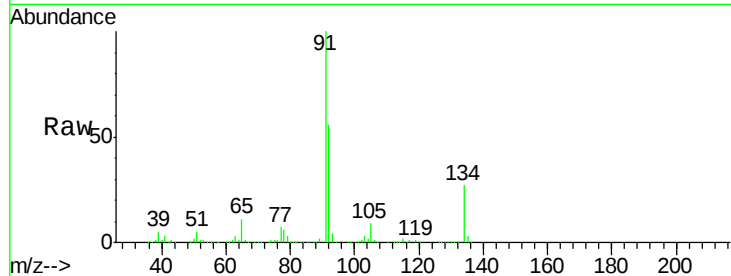
#89  
n-Butylbenzene  
Concen: 55.079 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 733168 |       |       |
| 92      | 55.4  |        | 27.6  | 82.8  |
| 134     | 27.4  |        | 13.7  | 41.1  |

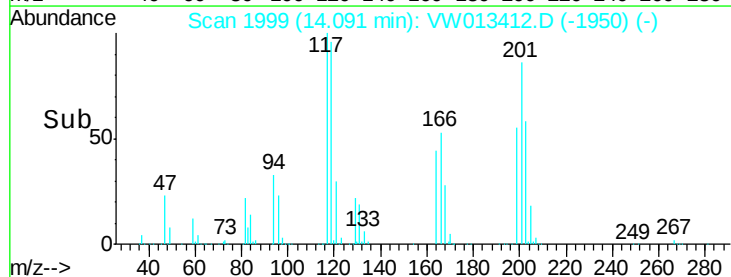
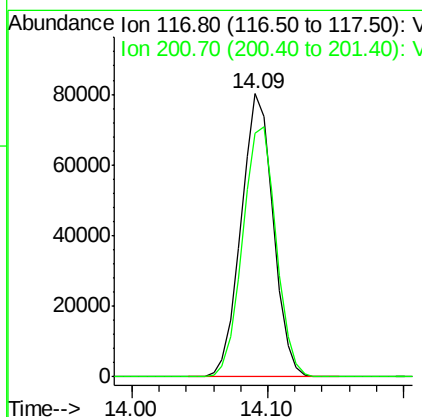
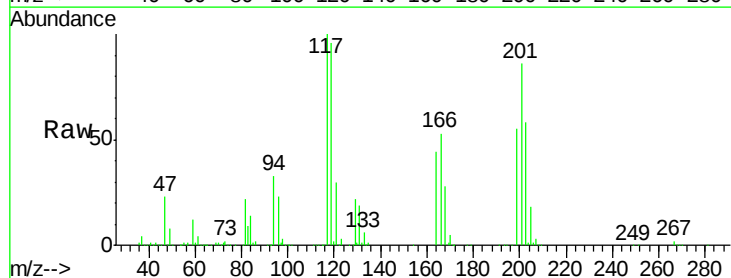
Manual Integrations  
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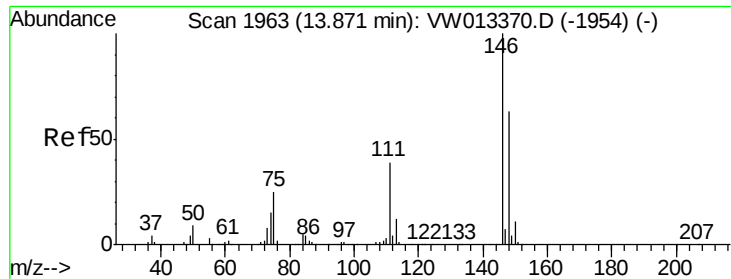
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#90  
Hexachloroethane  
Concen: 54.109 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 131987 |       |       |
| 201     | 92.3  |        | 44.5  | 133.5 |





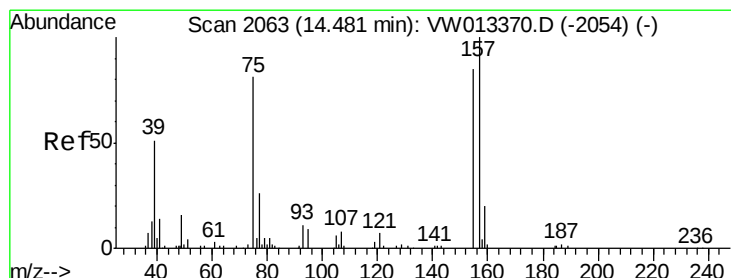
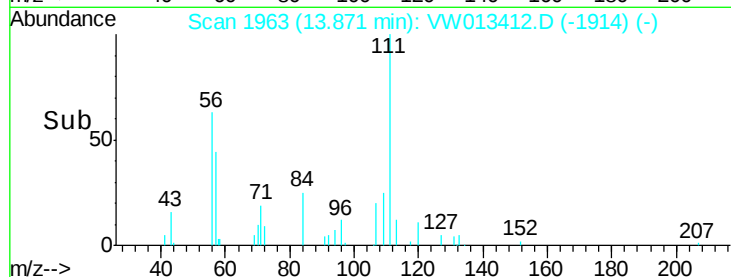
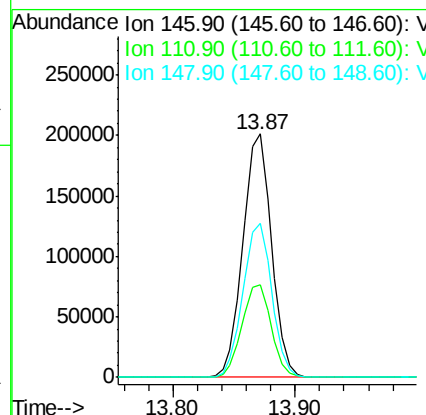
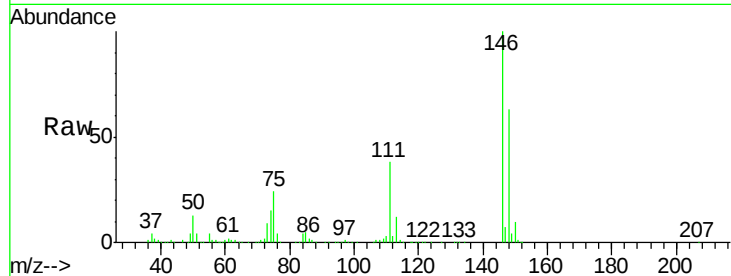
#91  
 1,2-Dichlorobenzene  
 Concen: 51.325 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.9  | 20.1  | 60.3  |
| 148     | 63.9  | 32.0  | 96.0  |

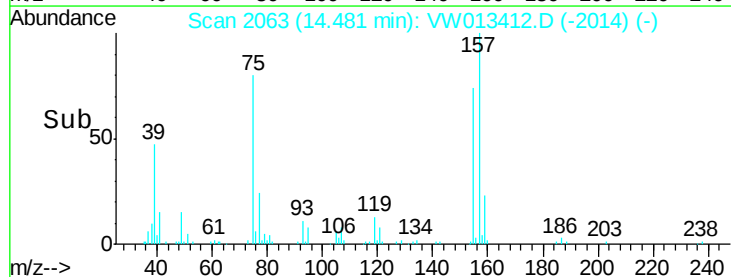
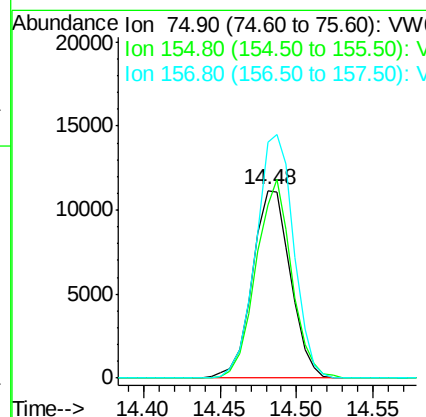
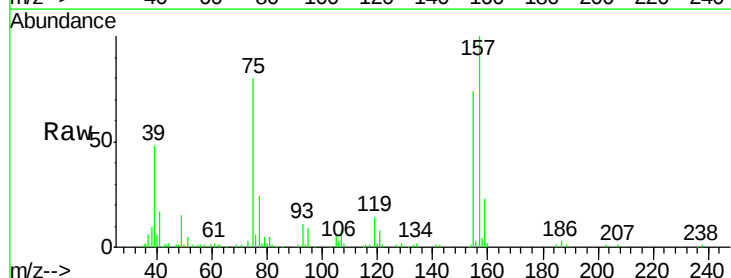
Manual Integrations  
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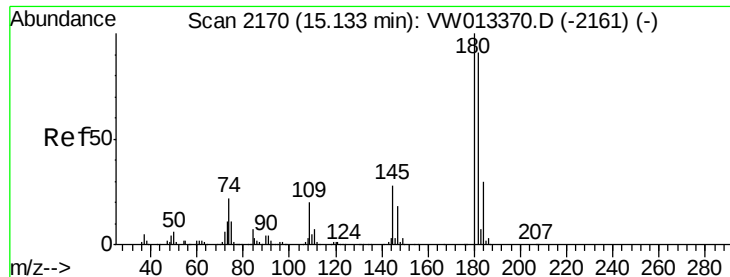
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.795 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 99.5  | 46.1  | 138.3 |
| 157     | 128.9 | 60.4  | 181.2 |





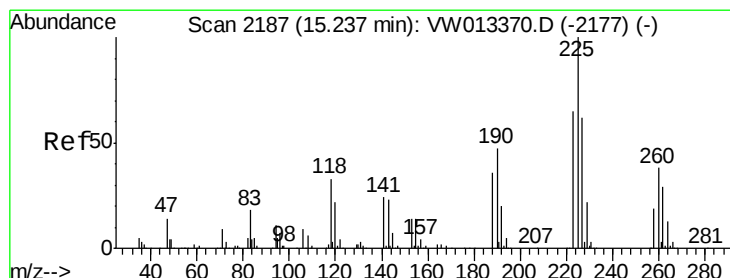
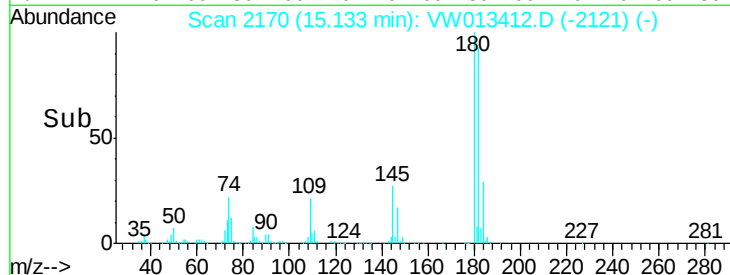
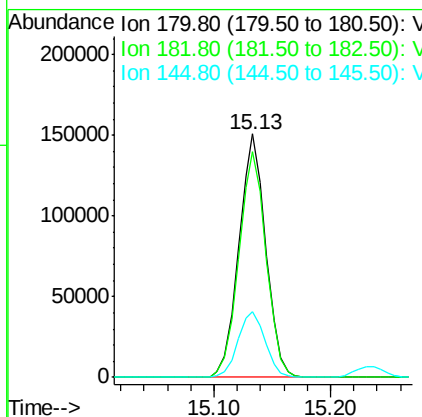
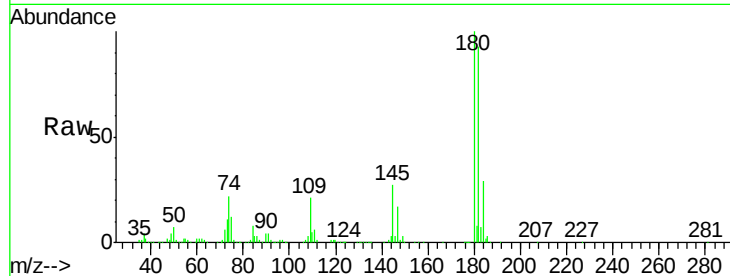
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.848 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 241206 |       |       |
| 182     | 94.1  | 47.3   | 142.0 |       |
| 145     | 27.6  | 14.2   | 42.8  |       |

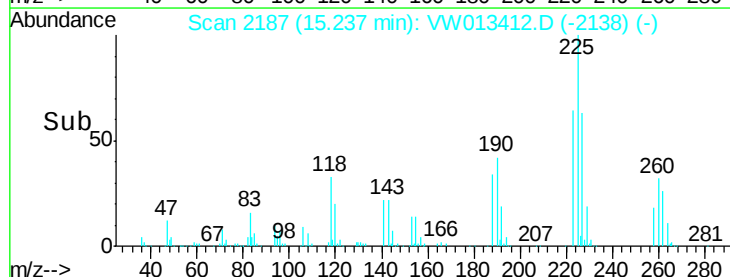
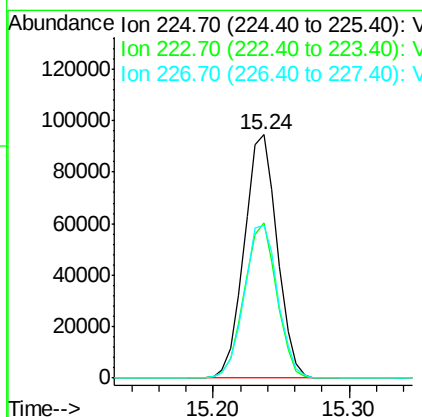
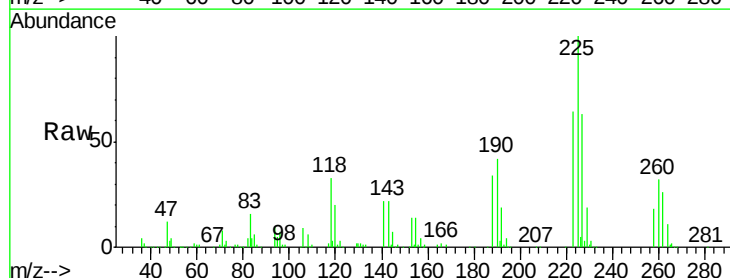
Manual Integrations  
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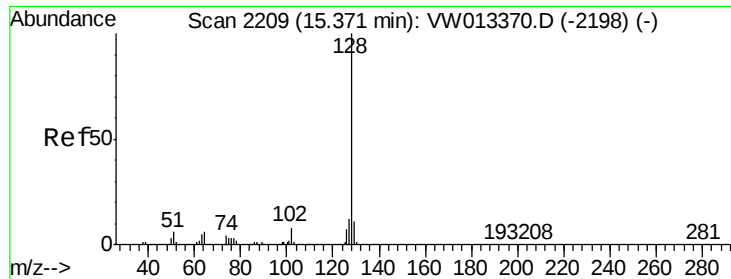
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#94  
 Hexachlorobutadiene  
 Concen: 53.919 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. 0.00 min  
 Lab File: VW013412.D  
 Acq: 03 Oct 2019 10:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 159864 |       |       |
| 223     | 62.7  | 30.6   | 91.8  |       |
| 227     | 64.4  | 31.9   | 95.9  |       |





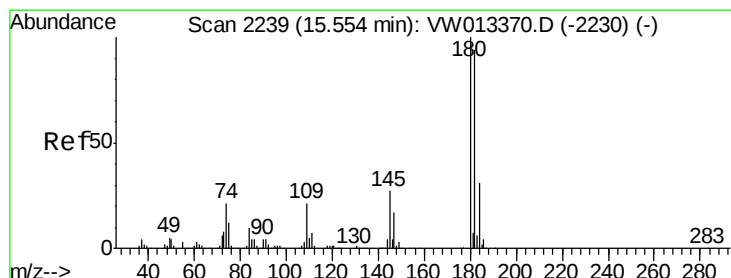
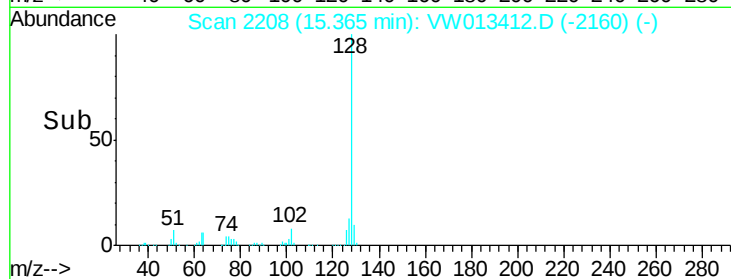
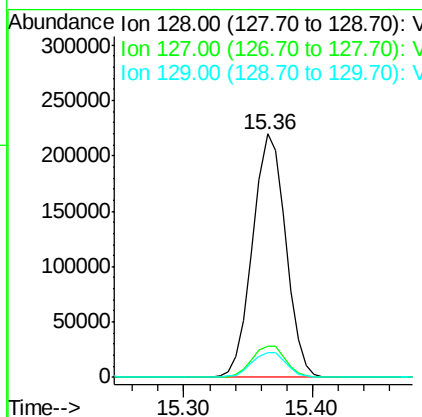
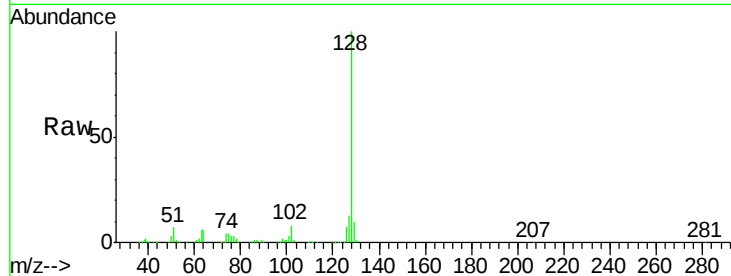
#95  
Naphthalene  
Concen: 50.664 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. -0.01 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 390071 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.3  | 10.6  | 15.8   |
| 129       | 10.9  | 8.7   | 13.1   |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 52.014 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: VW013412.D  
Acq: 03 Oct 2019 10:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 207270 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.5  | 47.9  | 143.7  |
| 145       | 29.9  | 15.0  | 45.0   |

