

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\  
 Data File : VW011867.D  
 Acq On : 12 Aug 2019 23:27  
 Operator : SY/VA  
 Sample : VW0812SBS03  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0812SBS03

Manual Integrations  
 APPROVED

MMDadoda  
 8/13/2019 2:36:34 PM

Quant Time: Aug 13 09:36:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 7.95  | 168  | 200203   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.84  | 114  | 337814   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.63 | 117  | 298855   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.56 | 152  | 146350   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.30  | 65   | 134437   | 58.48   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 116.96% |          |
| 35) Dibromofluoromethane      | 7.88  | 113  | 105289   | 55.56   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 111.12% |          |
| 50) Toluene-d8                | 10.32 | 98   | 421412   | 54.31   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 108.62% |          |
| 62) 4-Bromofluorobenzene      | 12.61 | 95   | 151247   | 54.67   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 109.34% |          |
| Target Compounds              |       |      |          |         |         |          |
|                               |       |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 2.01  | 85   | 25014    | 22.419  | ug/l    | 100      |
| 3) Chloromethane              | 2.21  | 50   | 42727    | 22.084  | ug/l    | 97       |
| 4) Vinyl Chloride             | 2.35  | 62   | 48736    | 20.923  | ug/l    | 99       |
| 5) Bromomethane               | 2.77  | 94   | 25209    | 19.552  | ug/l    | 98       |
| 6) Chloroethane               | 2.92  | 64   | 27719    | 20.833  | ug/l    | 95       |
| 7) Trichlorofluoromethane     | 3.25  | 101  | 21369    | 20.527  | ug/l    | 92       |
| 8) Diethyl Ether              | 3.68  | 74   | 26714    | 22.633  | ug/l    | 97       |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06  | 101  | 43527    | 22.042  | ug/l    | 96       |
| 10) Methyl Iodide             | 4.27  | 142  | 60504    | 21.681  | ug/l    | 98       |
| 11) Tert butyl alcohol        | 5.19  | 59   | 16389    | 84.819  | ug/l    | 98       |
| 12) 1,1-Dichloroethene        | 4.04  | 96   | 43472    | 20.850  | ug/l    | 97       |
| 13) Acrolein                  | 3.90  | 56   | 12492    | 75.731  | ug/l    | 99       |
| 14) Allyl chloride            | 4.67  | 41   | 95450    | 21.524  | ug/l    | 98       |
| 15) Acrylonitrile             | 5.37  | 53   | 66906    | 113.556 | ug/l    | 99       |
| 16) Acetone                   | 4.13  | 43   | 58654    | 80.208  | ug/l    | 99       |
| 17) Carbon Disulfide          | 4.38  | 76   | 134729   | 20.646  | ug/l    | 100      |
| 18) Methyl Acetate            | 4.67  | 43   | 43026    | 26.191  | ug/l    | 98       |
| 19) Methyl tert-butyl Ether   | 5.43  | 73   | 76926    | 23.250  | ug/l    | 98       |
| 20) Methylene Chloride        | 4.92  | 84   | 56508    | 22.406  | ug/l    | 99       |
| 21) trans-1,2-Dichloroethene  | 5.42  | 96   | 49624    | 22.076  | ug/l    | 98       |
| 22) Diisopropyl ether         | 6.31  | 45   | 193212   | 23.109  | ug/l    | 99       |
| 23) Vinyl Acetate             | 6.25  | 43   | 569384   | 108.379 | ug/l    | 100      |
| 24) 1,1-Dichloroethane        | 6.21  | 63   | 101007   | 22.557  | ug/l    | 98       |
| 25) 2-Butanone                | 7.17  | 43   | 91930    | 96.072  | ug/l    | 100      |
| 26) 2,2-Dichloropropane       | 7.16  | 77   | 51014    | 18.525  | ug/l    | 97       |
| 27) cis-1,2-Dichloroethene    | 7.16  | 96   | 54075    | 21.857  | ug/l    | 99       |
| 28) Bromochloromethane        | 7.51  | 49   | 50370    | 25.343  | ug/l    | 99       |
| 29) Tetrahydrofuran           | 7.53  | 42   | 60544    | 110.691 | ug/l    | 99       |
| 30) Chloroform                | 7.68  | 83   | 95655    | 23.155  | ug/l    | 96       |
| 31) Cyclohexane               | 7.95  | 56   | 88834    | 20.667  | ug/l    | # 95     |
| 32) 1,1,1-Trichloroethane     | 7.87  | 97   | 71548    | 22.742  | ug/l    | 99       |
| 36) 1,1-Dichloropropene       | 8.08  | 75   | 73461    | 20.913  | ug/l    | 99       |
| 37) Ethyl Acetate             | 7.25  | 43   | 43095    | 21.324  | ug/l    | 99       |
| 38) Carbon Tetrachloride      | 8.07  | 117  | 63978    | 21.276  | ug/l    | 99       |

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Instrument :  
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Manual Integrations  
 APPROVED

MMDadoda  
 8/13/2019 2:36:34 PM

Quant Time: Aug 13 09:36:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 78891    | 20.397  | ug/l   | 98       |
| 40) Benzene                    | 8.32  | 78   | 213460   | 21.695  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 27499    | 22.763  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 70362    | 22.841  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.42  | 43   | 80808    | 21.742  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 49277    | 20.838  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 58352    | 22.165  | ug/l   | 100      |
| 46) Dibromomethane             | 9.46  | 93   | 26624    | 22.158  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 70073    | 22.232  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.43  | 41   | 38639    | 21.643  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 7880     | 452.923 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 210445   | 108.858 | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 129881   | 21.859  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 68725    | 20.873  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 80994    | 20.689  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 37645    | 22.081  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 53491    | 21.441  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 70653    | 21.905  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 148030   | 130.686 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 138967   | 101.810 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 41054    | 21.694  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 34627    | 21.463  | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.86 | 164  | 42356    | 21.767  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.66 | 112  | 128707   | 21.421  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 45901    | 21.932  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 243624   | 21.290  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.84 | 106  | 175874   | 42.262  | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 82912    | 21.440  | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 142559   | 21.321  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 23642    | 22.156  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.46 | 105  | 227927   | 20.876  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 72144    | 21.106  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 45512    | 22.161  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 32031m   | 20.684  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 51407    | 21.302  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.80 | 91   | 278003   | 20.922  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 160630   | 20.984  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 194091   | 21.207  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 13643    | 20.304  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 169601   | 21.117  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 163664   | 21.385  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 195793   | 21.237  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 227057   | 20.792  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 206966   | 20.888  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 98979    | 20.918  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 97030    | 20.614  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.82 | 91   | 195081   | 19.729  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.09 | 117  | 37388    | 21.340  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 86801    | 20.741  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 7460     | 21.302  | ug/l   | 99       |

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Sample : VW0812SBS03  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

Manual Integrations  
APPROVED

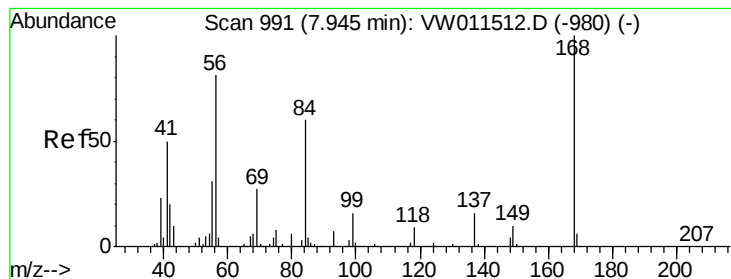
MMDadoda  
8/13/2019 2:36:34 PM

Quant Time: Aug 13 09:36:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 57542    | 19.509 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 38039    | 20.681 | ug/l  | 98       |
| 95) Naphthalene            | 15.37 | 128  | 109744   | 20.276 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 52338    | 20.244 | ug/l  | 98       |

(#) = 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: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampled :

VW0812SBS03

Tot Ion:168 Resp: 200203

Ion Ratio Lower Upper

168 100

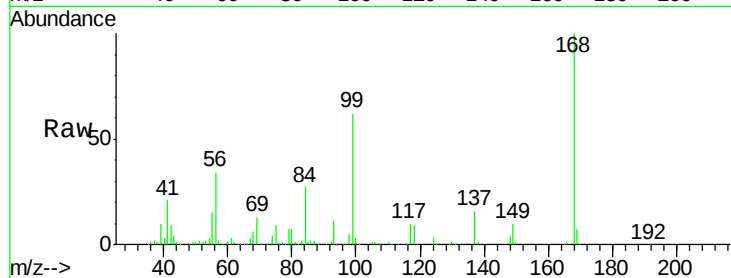
99 62.1 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

8/13/2019 2:36:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

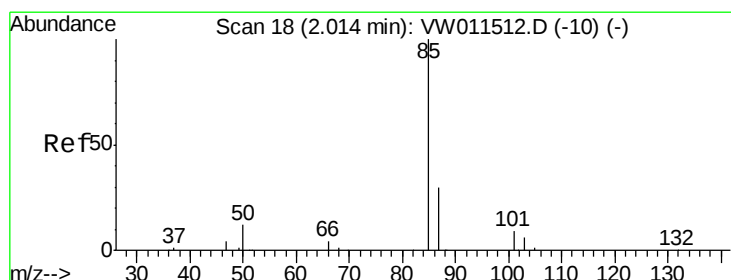
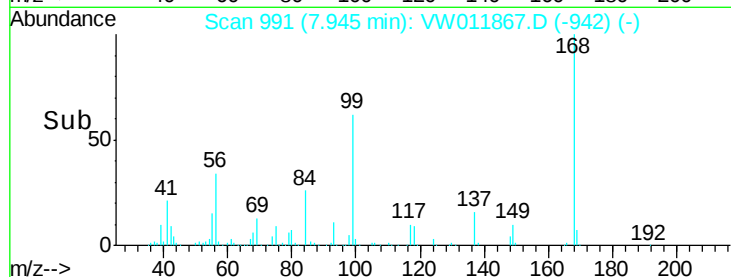
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.419 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011867.D

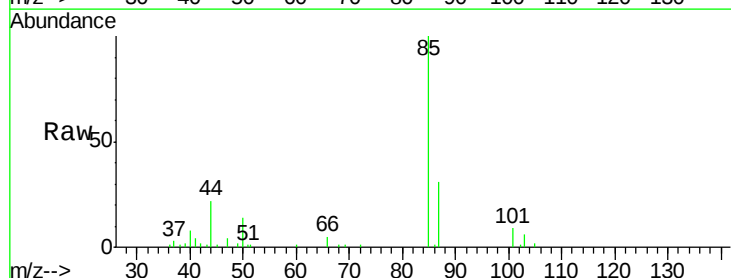
Acq: 12 Aug 2019 23:27

Tgt Ion: 85 Resp: 25014

Ion Ratio Lower Upper

85 100

87 30.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

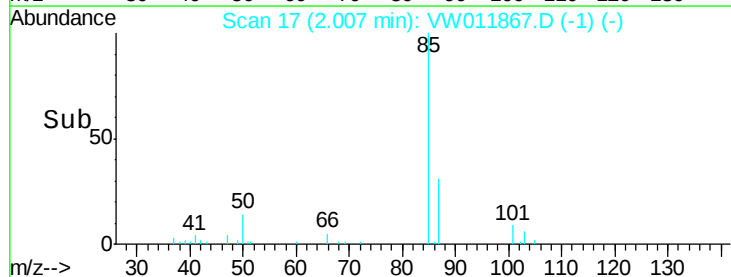
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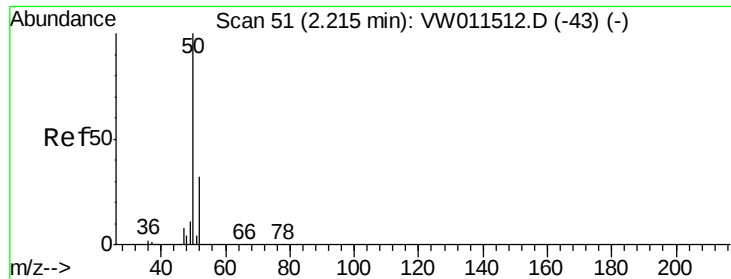
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 22.084 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0812SBS03

Tot Ion: 50 Resp: 42727

Ion Ratio Lower Upper

50 100

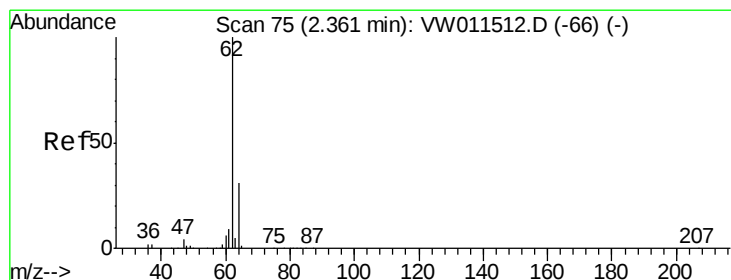
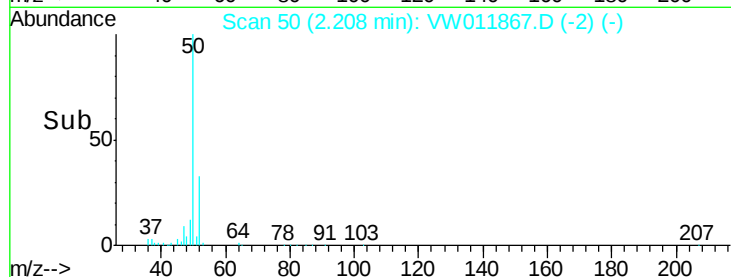
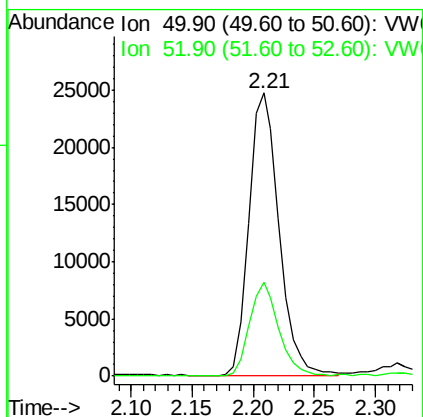
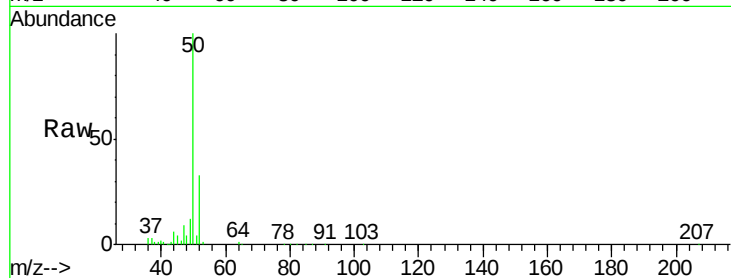
52 33.3 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

8/13/2019 2:36:34 PM



#4

Vinyl Chloride

Concen: 20.923 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011867.D

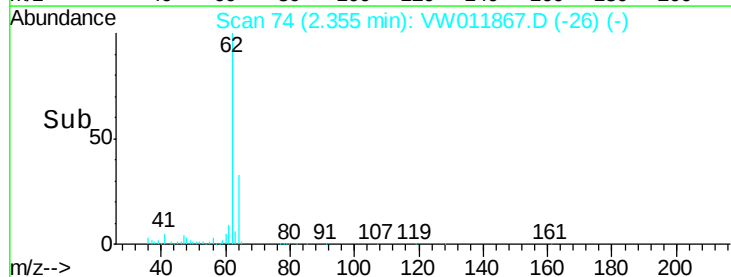
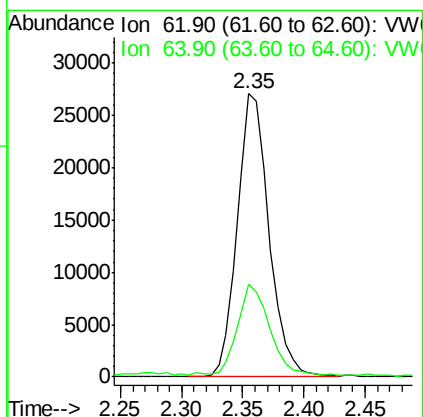
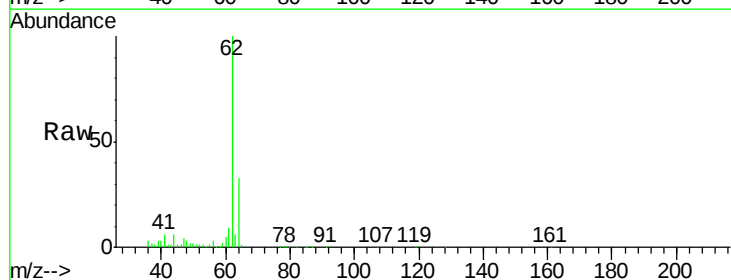
Acq: 12 Aug 2019 23:27

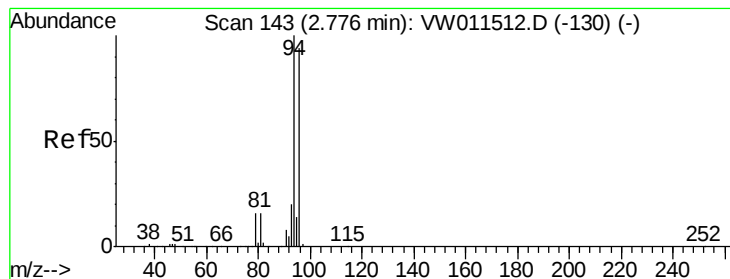
Tgt Ion: 62 Resp: 48736

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 19.552 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0812SBS03

Tot Ion: 94 Resp: 25209

Ion Ratio Lower Upper

94 100

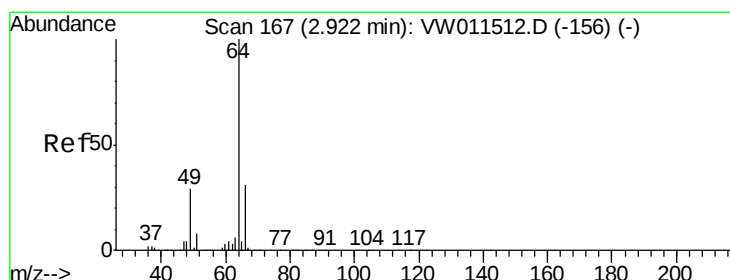
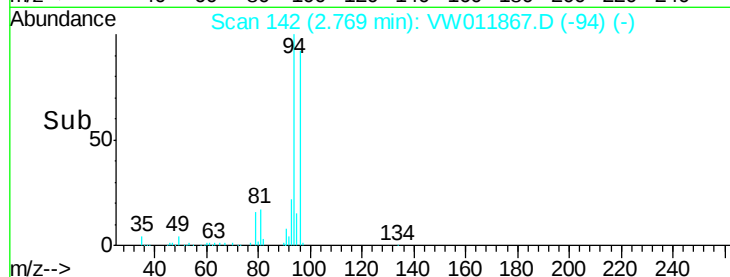
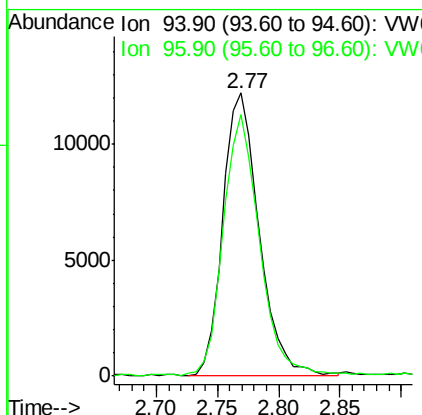
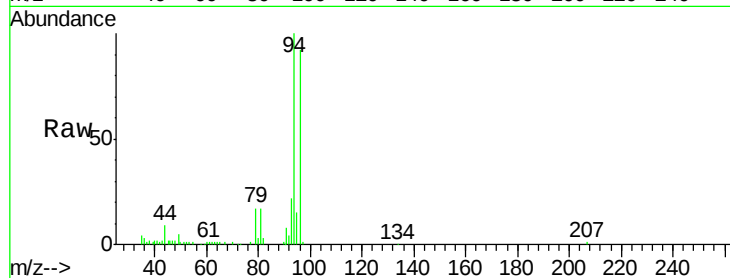
96 91.6 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

8/13/2019 2:36:34 PM



#6

Chloroethane

Concen: 20.833 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011867.D

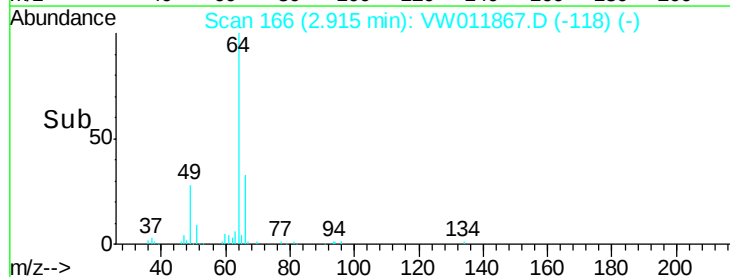
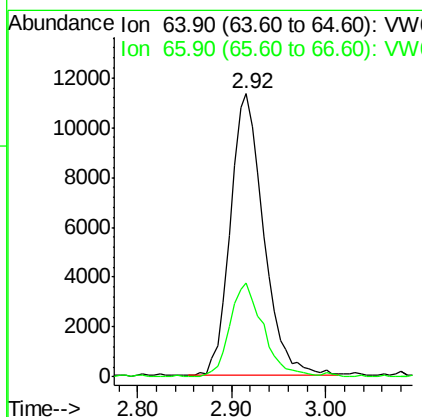
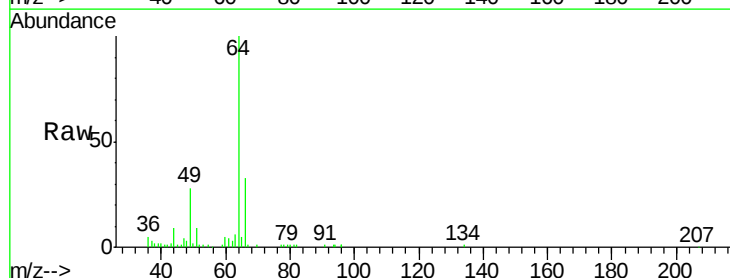
Acq: 12 Aug 2019 23:27

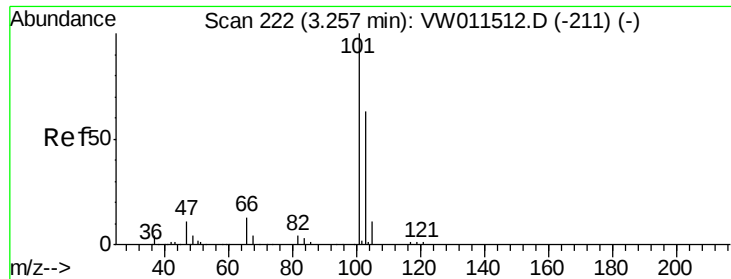
Tgt Ion: 64 Resp: 27719

Ion Ratio Lower Upper

64 100

66 33.5 24.6 36.8





#7

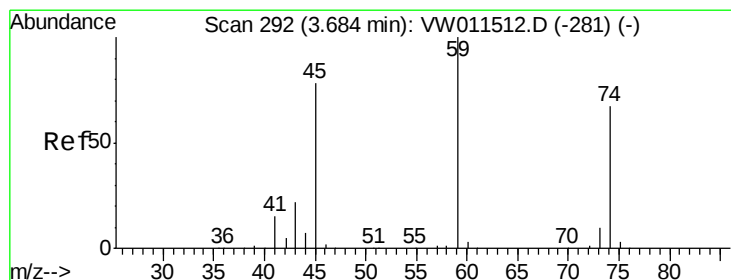
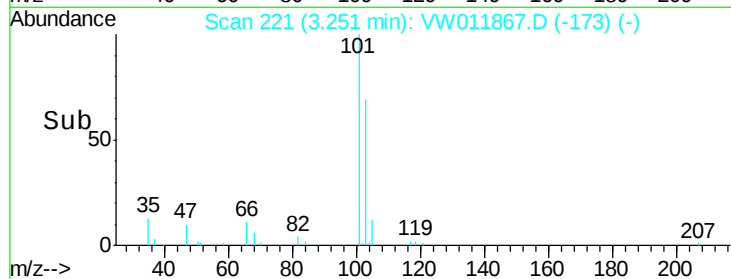
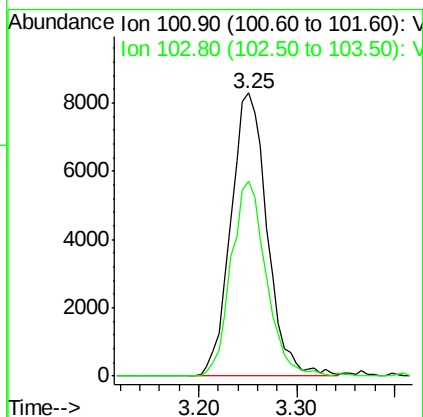
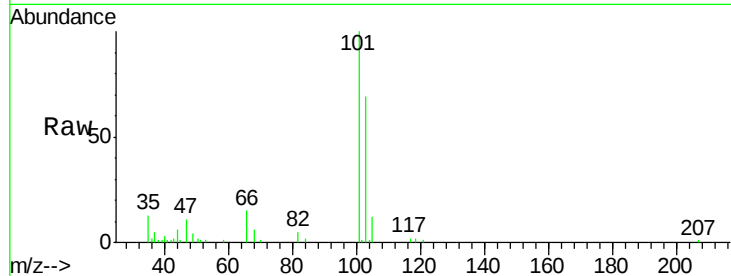
Trichlorofluoromethane  
Concen: 20.527 ug/l  
RT: 3.25 min Scan# 221  
Delta R.T. -0.01 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 68.9  | 50.2  | 75.4  |

Manual Integrations  
APPROVED

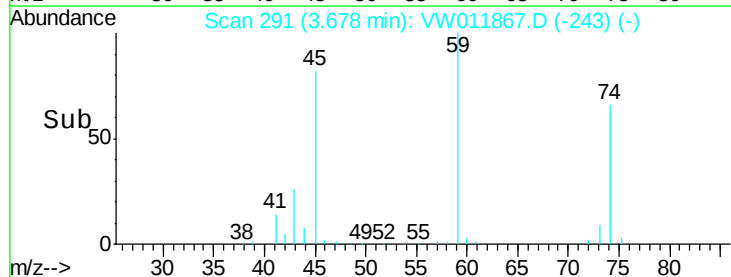
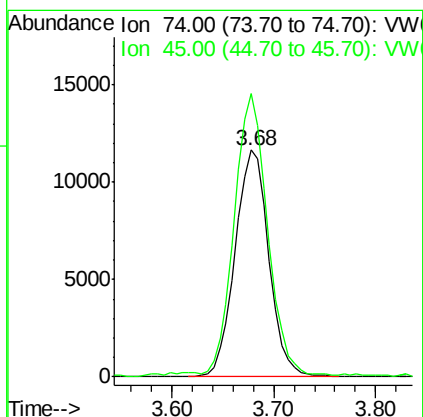
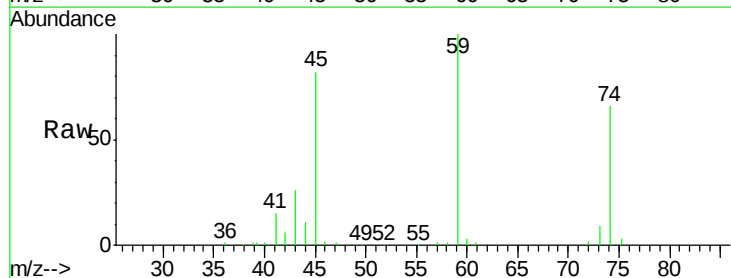
MMDadoda  
8/13/2019 2:36:34 PM

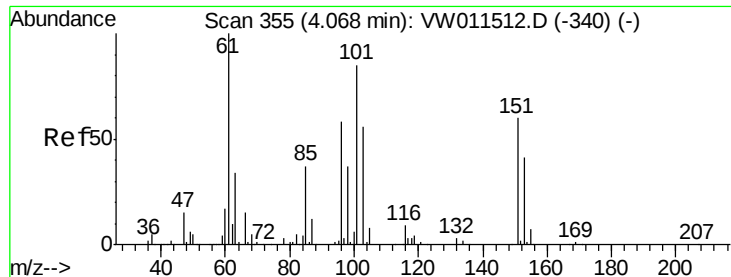


#8

Diethyl Ether  
Concen: 22.633 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. -0.01 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 123.0 | 59.6  | 178.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.042 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

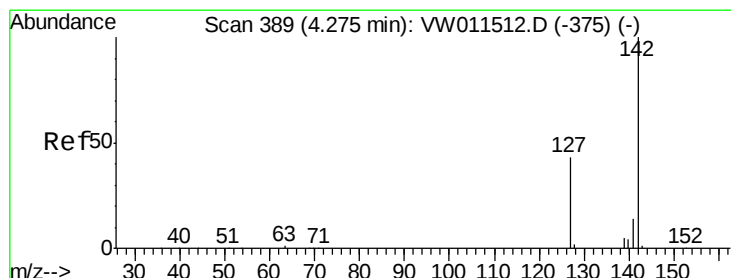
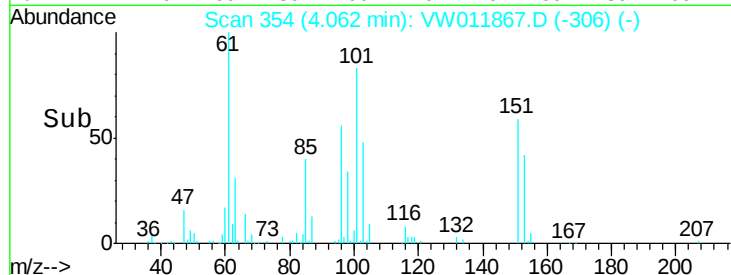
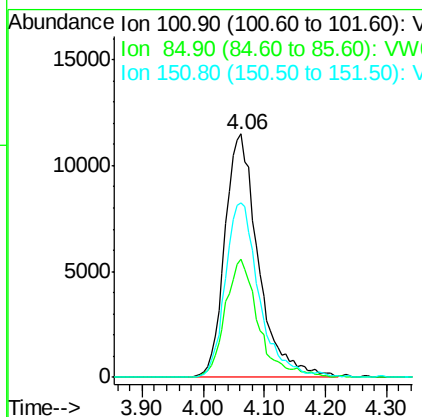
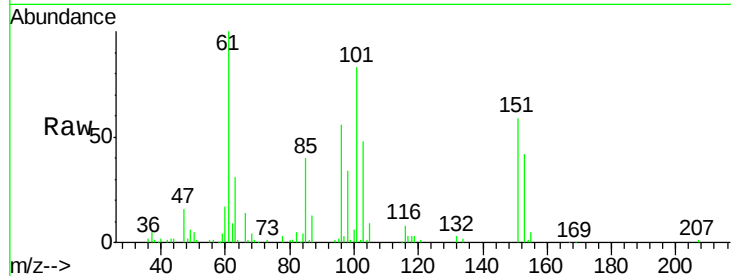
ClientSampleId :

VW0812SBS03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 43527 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 47.9  | 36.6  | 54.8  |
| 151       | 71.4  | 60.2  | 90.2  |

Manual Integrations  
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MMDadoda  
8/13/2019 2:36:34 PM



#10

Methyl Iodide

Concen: 21.681 ug/l

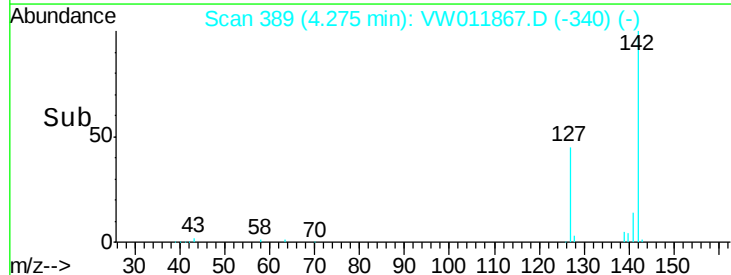
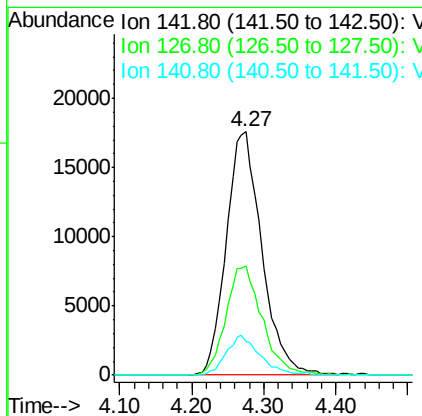
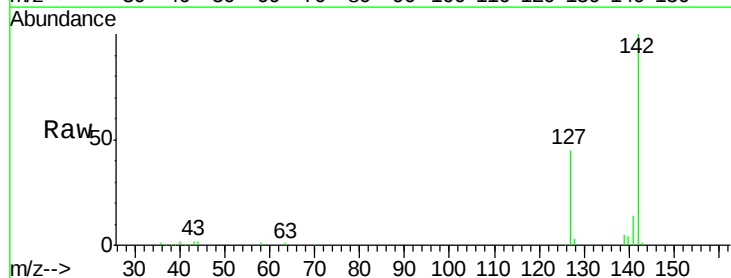
RT: 4.27 min Scan# 389

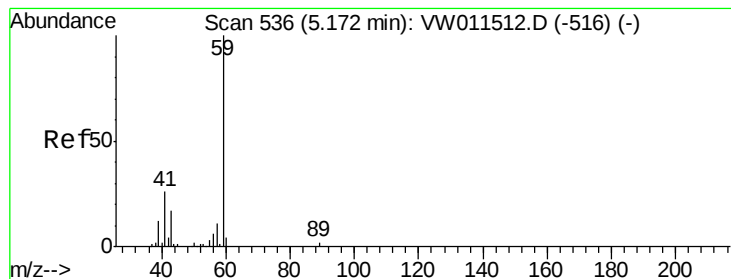
Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 60504 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 45.4  | 35.0  | 52.6  |
| 141       | 15.4  | 11.9  | 17.9  |





#11

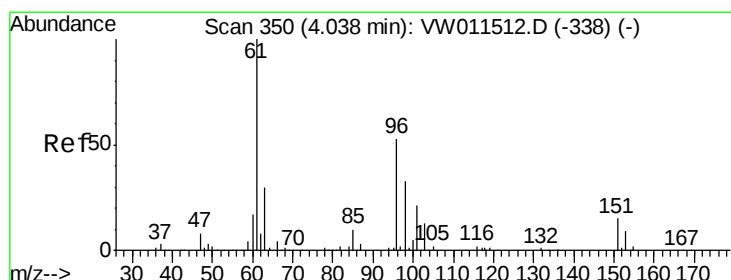
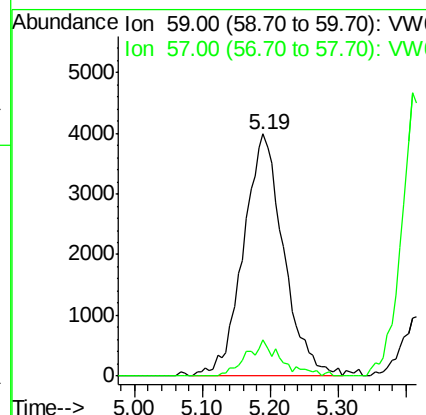
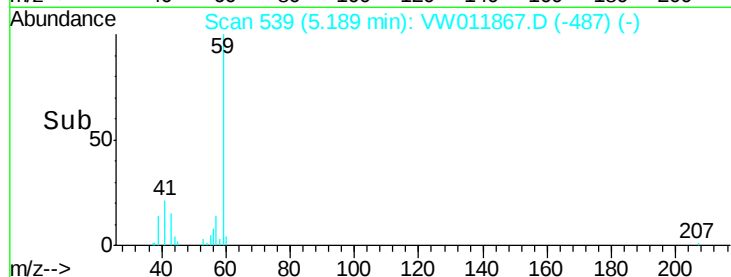
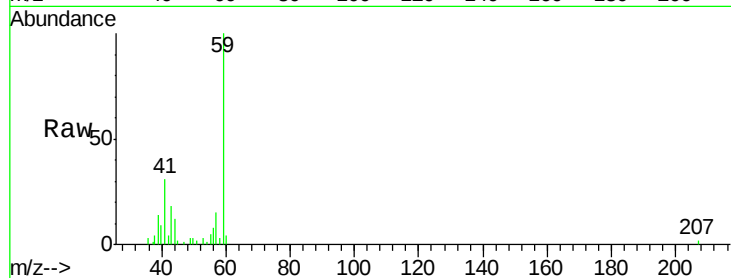
Tert butyl alcohol  
Concen: 84.819 ug/l  
RT: 5.19 min Scan# 539  
Delta R.T. 0.02 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.3  | 8.5   | 12.7  |

Manual Integrations  
APPROVED

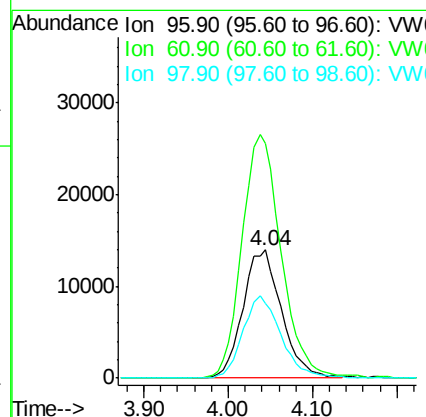
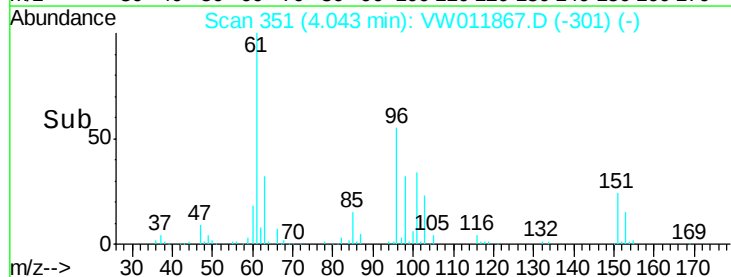
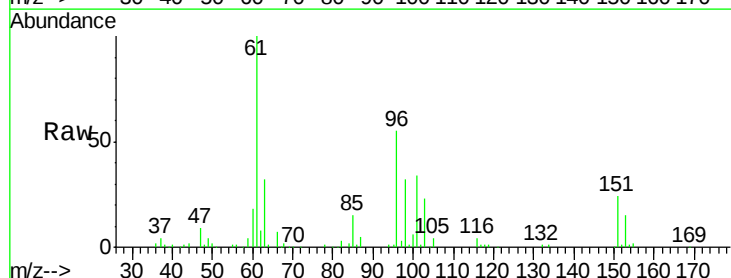
MMDadoda  
8/13/2019 2:36:34 PM

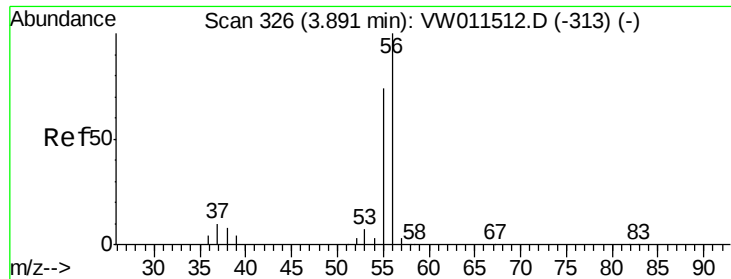


#12

1,1-Dichloroethene  
Concen: 20.850 ug/l  
RT: 4.04 min Scan# 351  
Delta R.T. 0.01 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 183.1 | 149.9 | 224.9 |
| 98      | 58.4  | 49.1  | 73.7  |





#13

Acrolein

Concen: 75.731 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0812SBS03

Tot Ion: 56 Resp: 12492

Ion Ratio Lower Upper

56 100

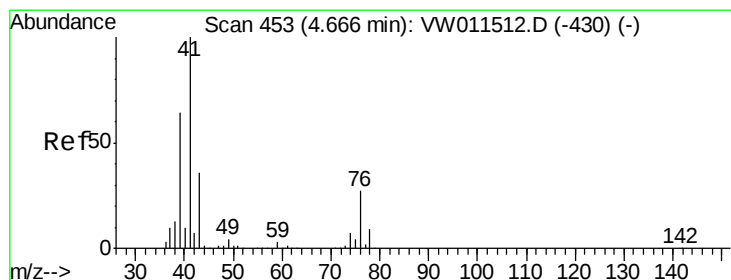
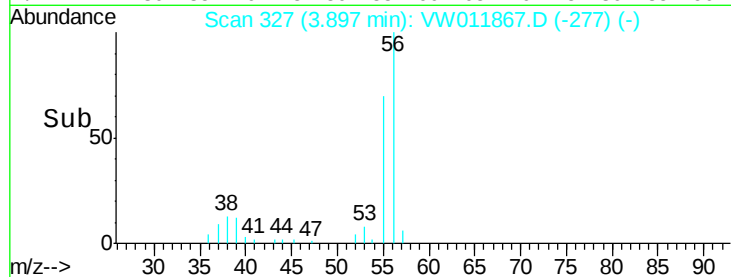
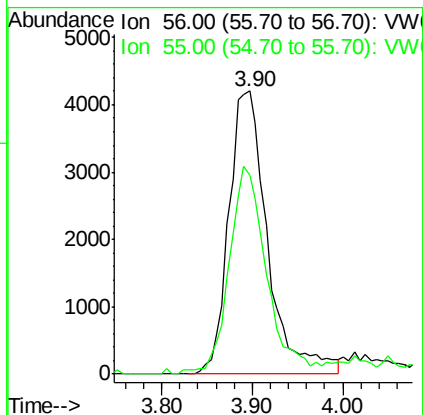
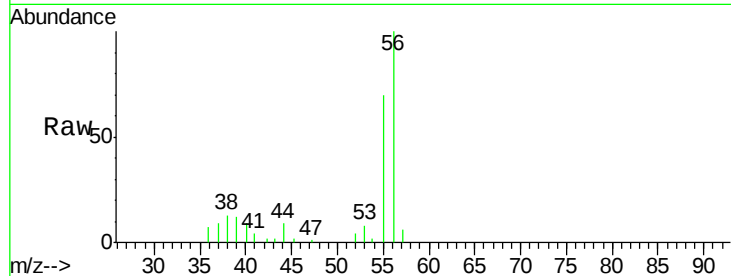
55 70.9 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

8/13/2019 2:36:34 PM



#14

Allyl chloride

Concen: 21.524 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

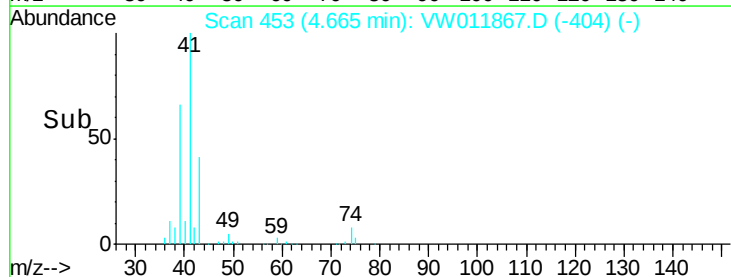
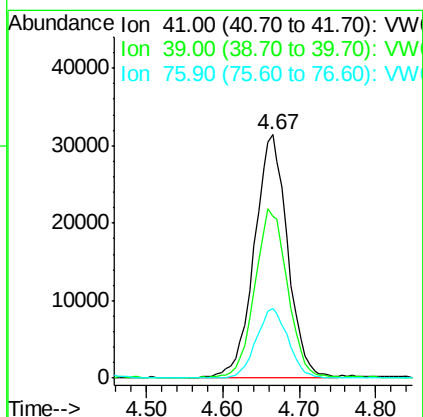
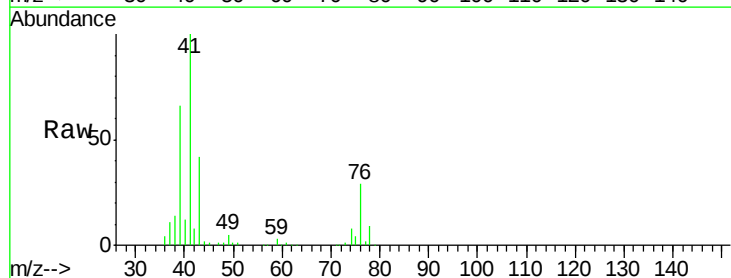
Tgt Ion: 41 Resp: 95450

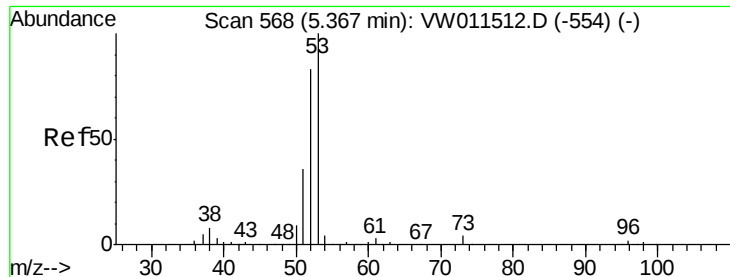
Ion Ratio Lower Upper

41 100

39 67.8 52.6 78.8

76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 113.556 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

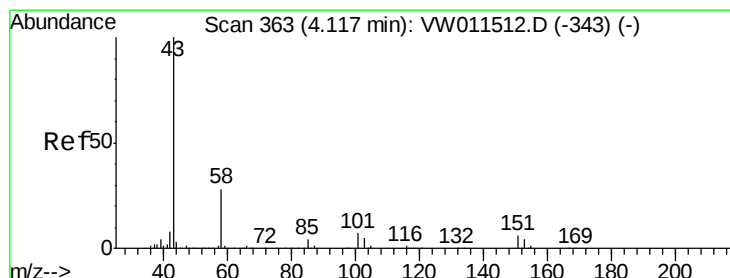
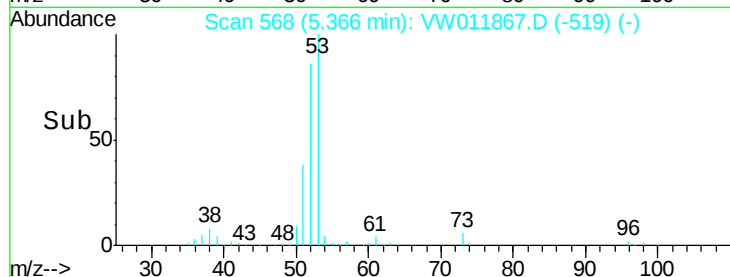
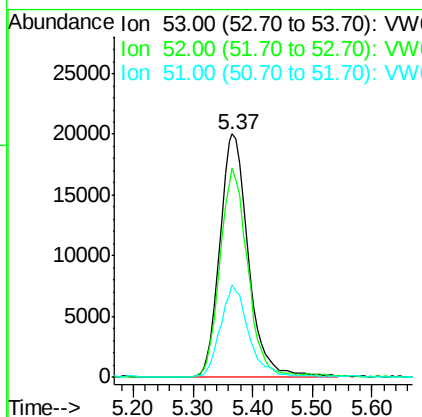
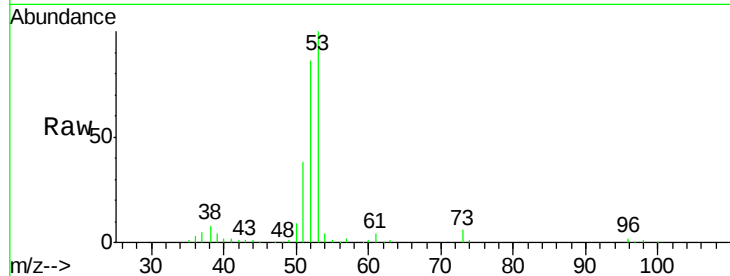
ClientSampled :

VW0812SBS03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 66906 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.8  | 67.2  | 100.8 |
| 51       | 37.1  | 30.0  | 45.0  |

Manual Integrations  
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MMDadoda  
8/13/2019 2:36:34 PM



#16

Acetone

Concen: 80.208 ug/l

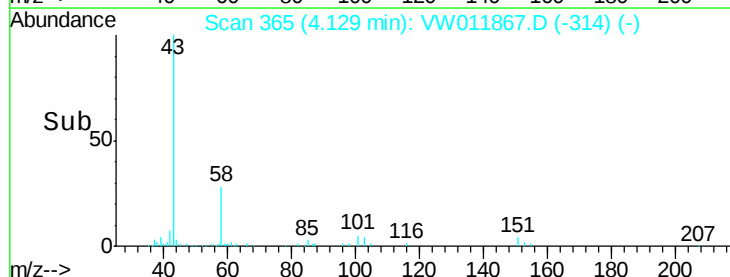
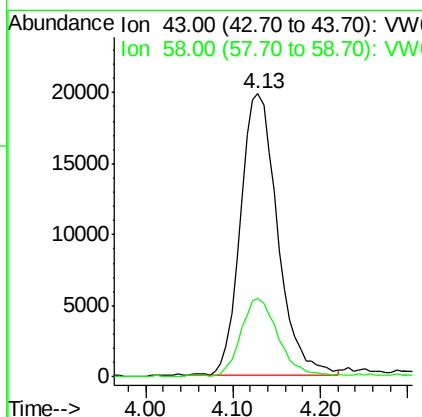
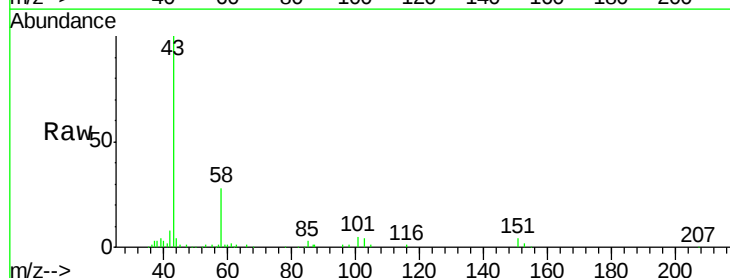
RT: 4.13 min Scan# 365

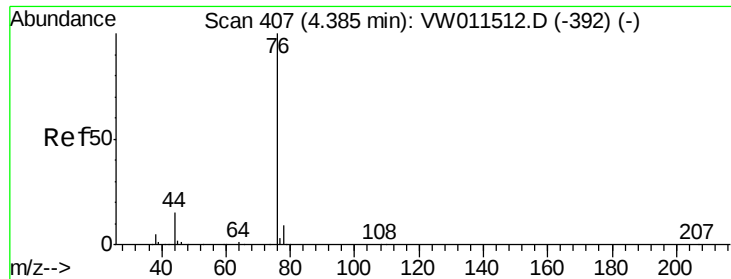
Delta R.T. 0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 58654 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.2  | 22.3  | 33.5  |





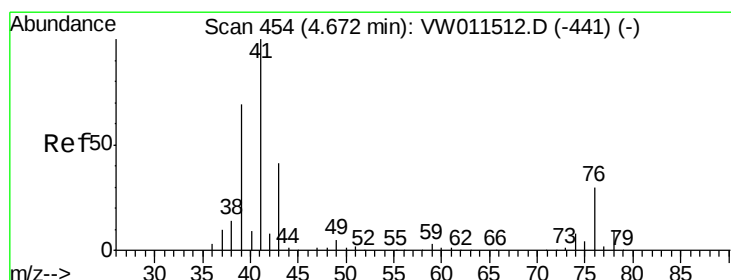
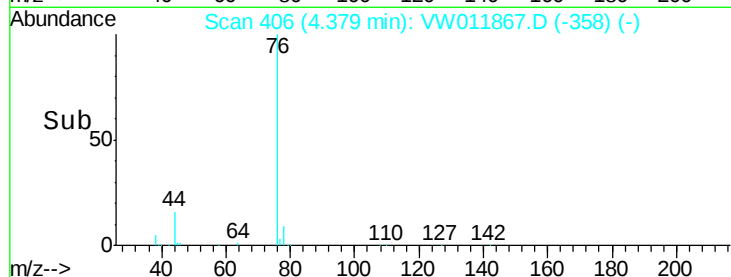
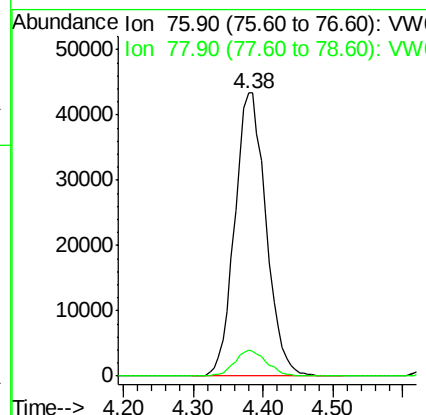
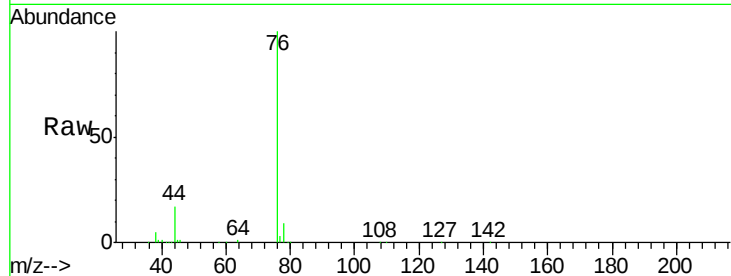
#17  
Carbon Disulfide  
Concen: 20.646 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. -0.01 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.1   | 10.7  |

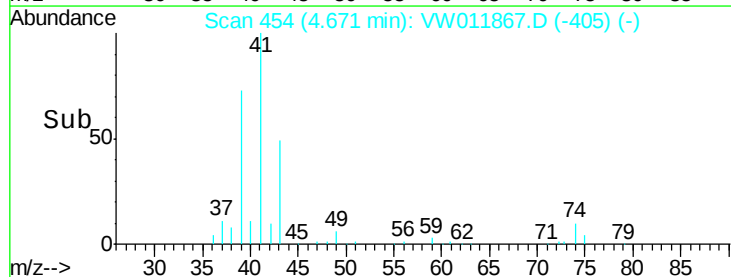
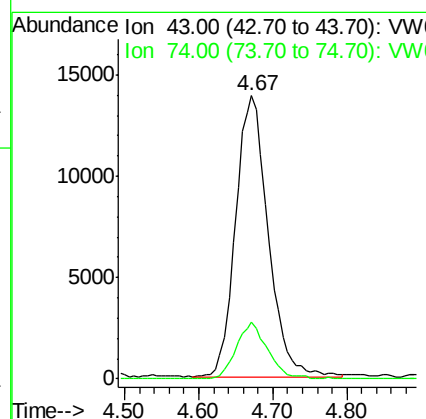
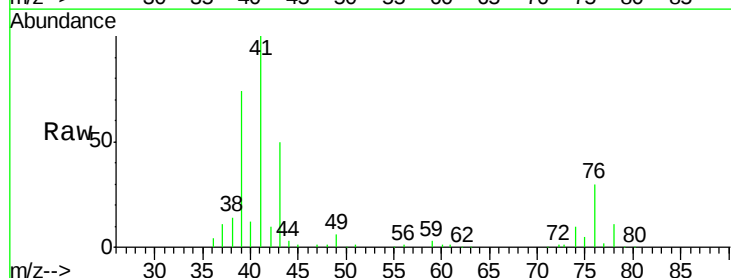
Manual Integrations  
APPROVED

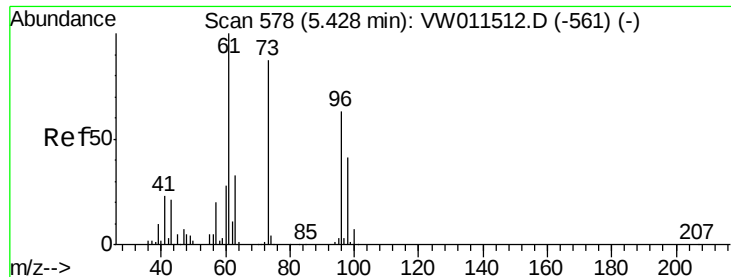
MMDadoda  
8/13/2019 2:36:34 PM



#18  
Methyl Acetate  
Concen: 26.191 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 19.0  | 15.9  | 23.9  |





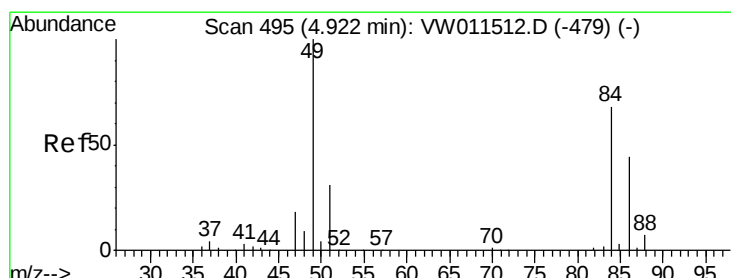
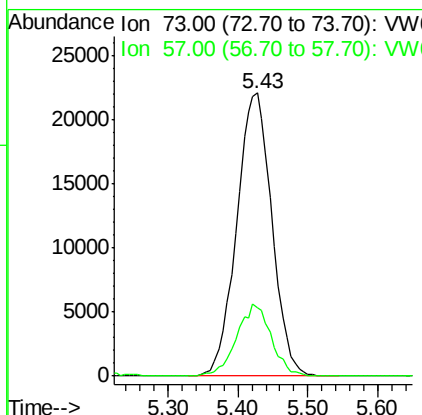
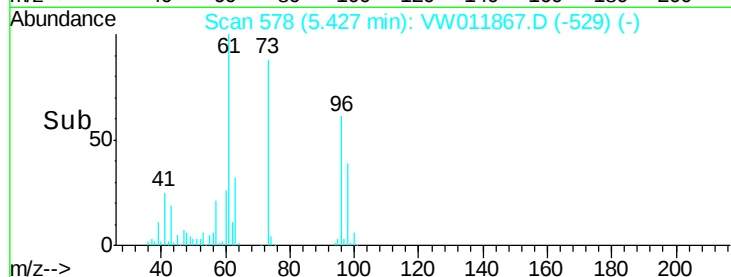
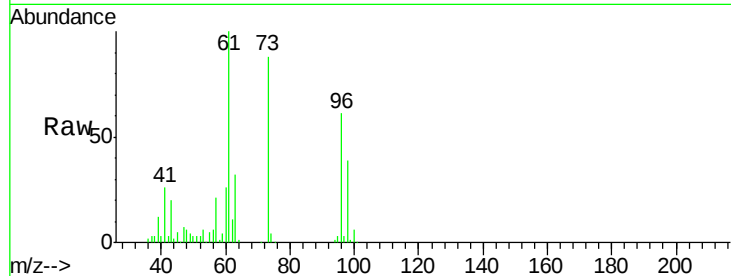
#19  
Methvl tert-butvl Ether  
Concen: 23.250 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

Tot Ion: 73 Resp: 76926  
Ion Ratio Lower Upper  
73 100  
57 24.1 18.4 27.6

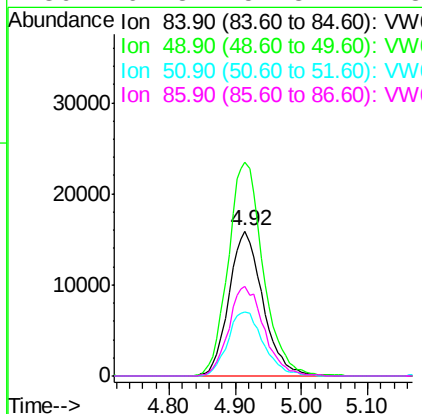
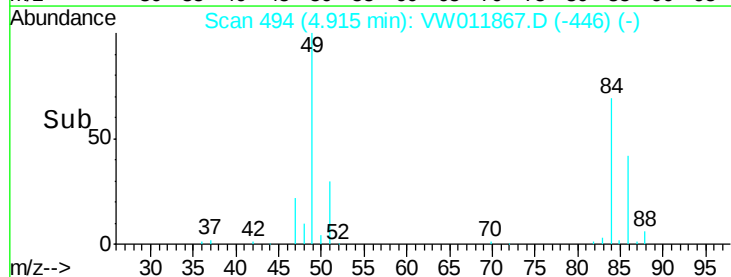
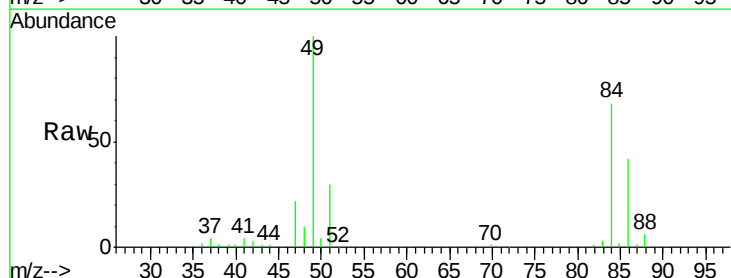
Manual Integrations  
APPROVED

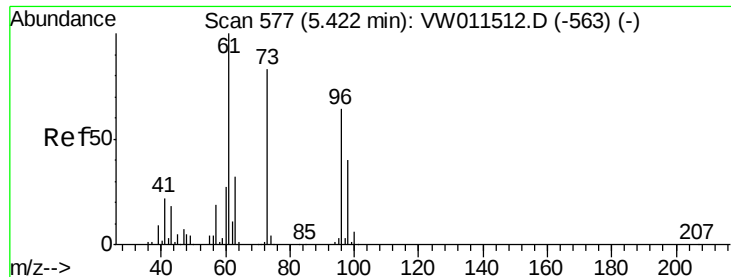
MMDadoda  
8/13/2019 2:36:34 PM



#20  
Methylene Chloride  
Concen: 22.406 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Tgt Ion: 84 Resp: 56508  
Ion Ratio Lower Upper  
84 100  
49 147.3 117.8 176.6  
51 44.5 37.0 55.4  
86 61.8 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 22.076 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

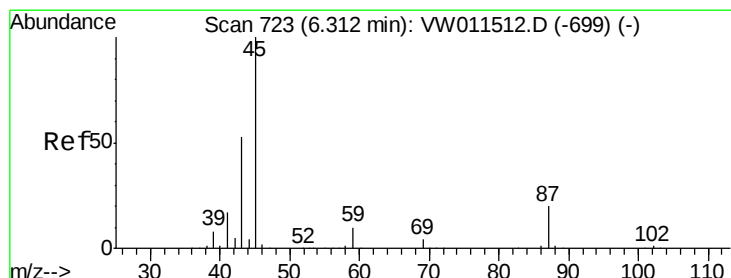
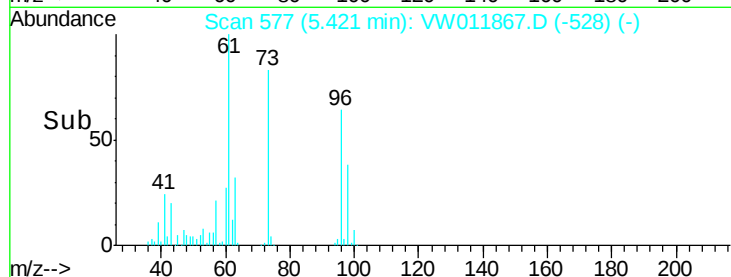
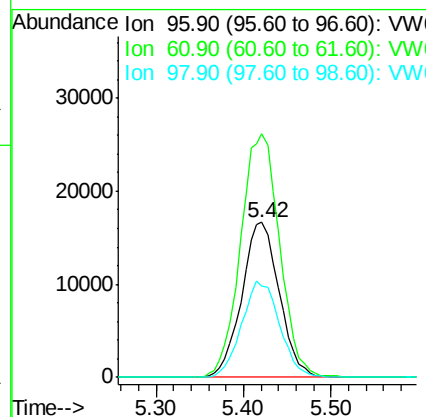
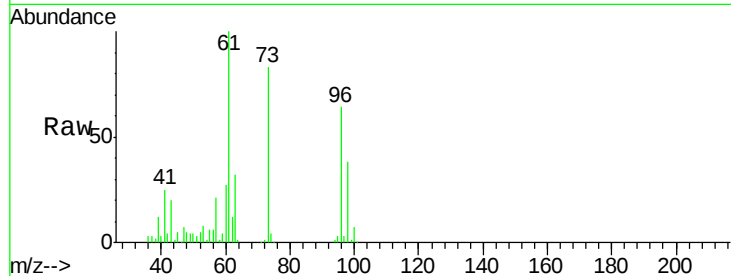
ClientSampleId :

VW0812SBS03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 49624 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 157.4 | 125.7 | 188.5 |
| 98       | 59.1  | 50.3  | 75.5  |

Manual Integrations  
APPROVED

MMDadoda  
8/13/2019 2:36:34 PM



#22

Diisopropyl ether

Concen: 23.109 ug/l

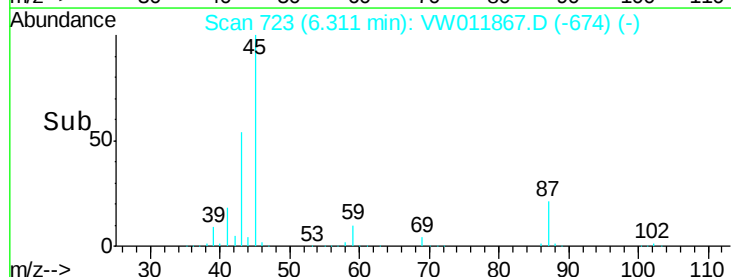
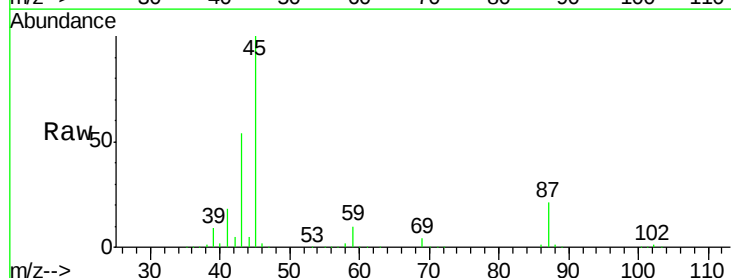
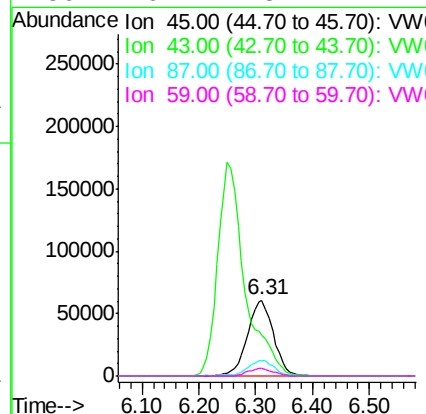
RT: 6.31 min Scan# 723

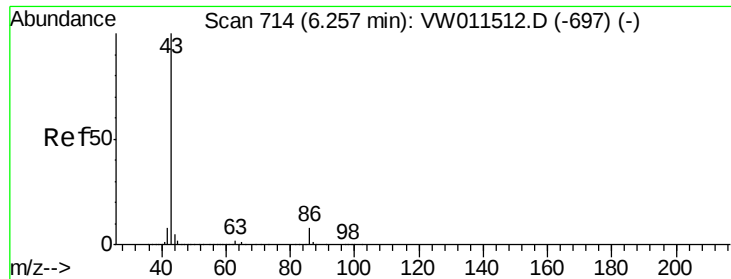
Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 193212 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 54.2  | 42.6  | 63.8   |
| 87       | 20.7  | 16.4  | 24.6   |
| 59       | 10.1  | 8.2   | 12.2   |





#23

Vinyl Acetate

Concen: 108.379 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0812SBS03

Tot Ion: 43 Resp: 569384

Ion Ratio Lower Upper

43 100

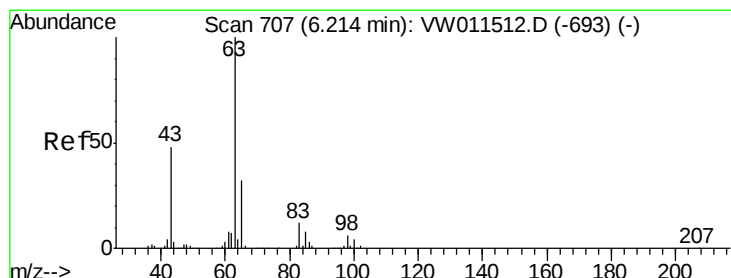
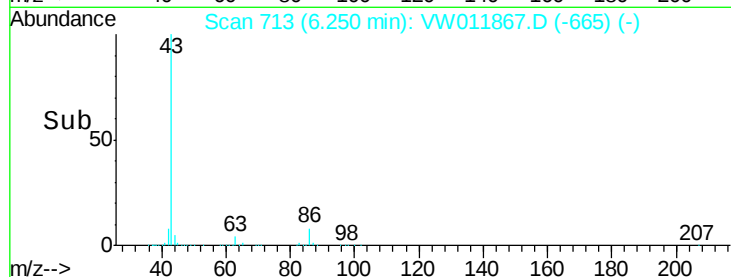
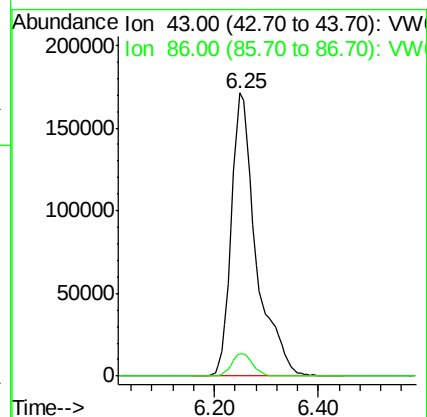
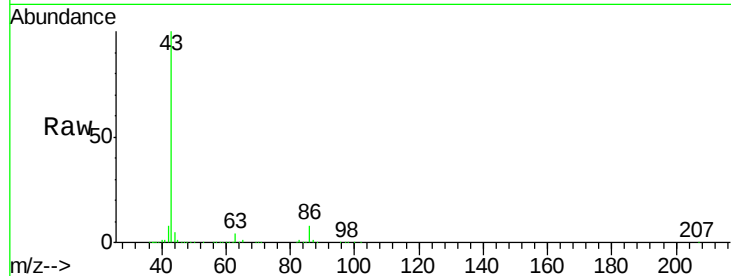
86 8.1 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.557 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

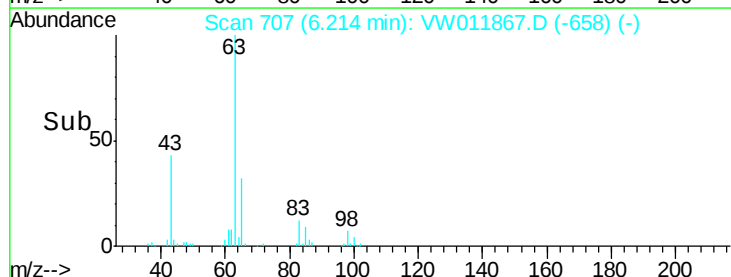
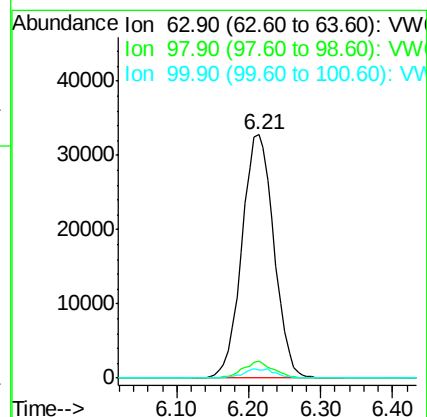
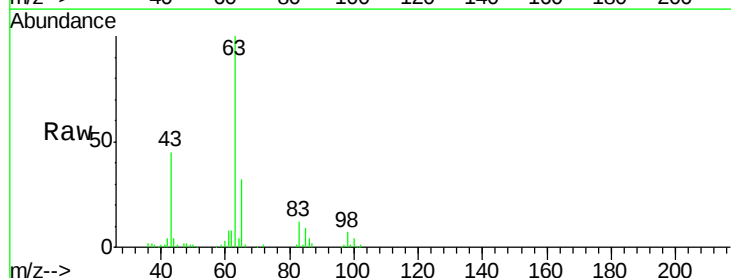
Tgt Ion: 63 Resp: 101007

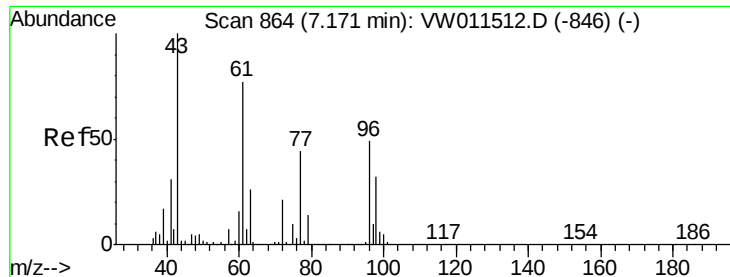
Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.8

100 3.6 2.1 6.3





#25

2-Butanone

Concen: 96.072 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0812SBS03

Tot Ion: 43 Resp: 91930

Ion Ratio Lower Upper

43 100

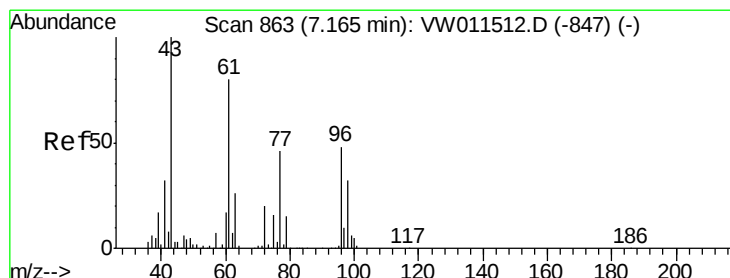
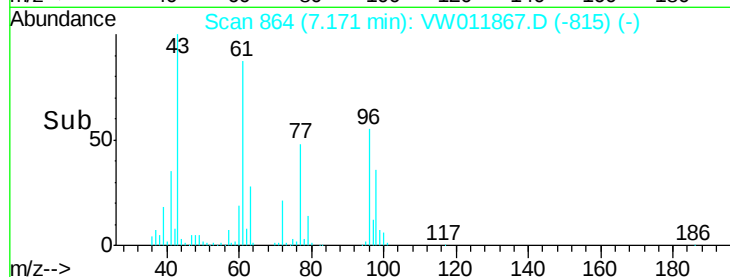
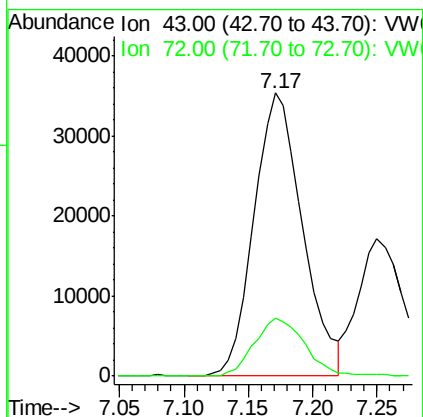
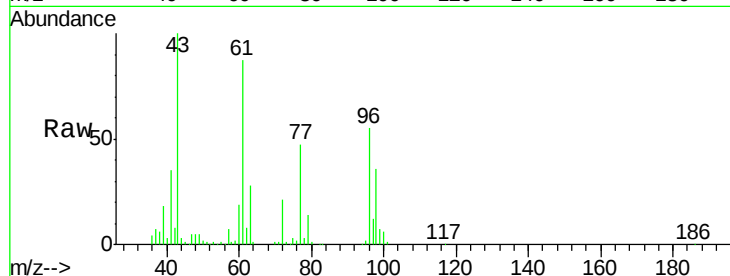
72 20.6 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.525 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011867.D

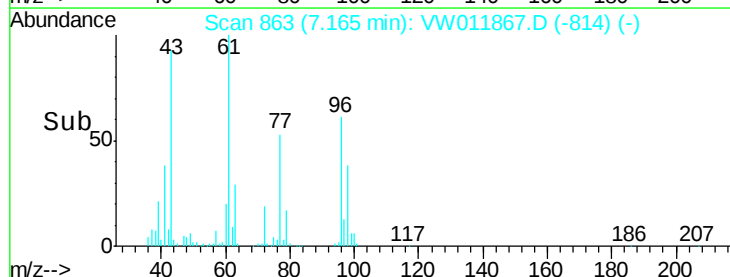
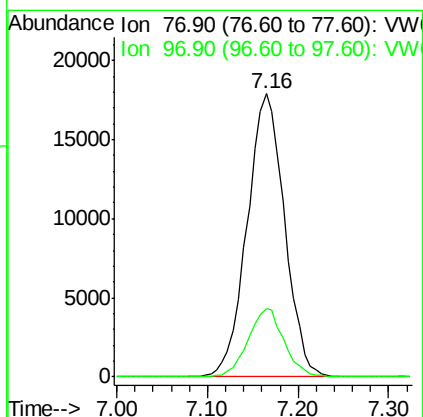
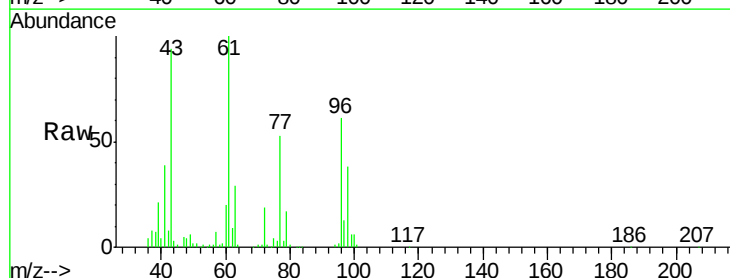
Acq: 12 Aug 2019 23:27

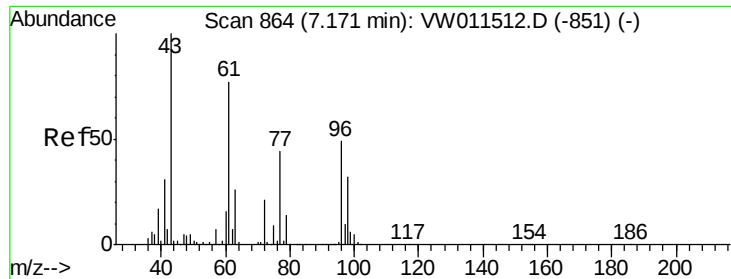
Tgt Ion: 77 Resp: 51014

Ion Ratio Lower Upper

77 100

97 23.2 10.8 32.4





#27

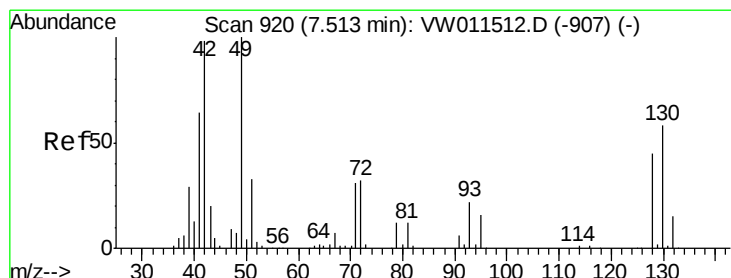
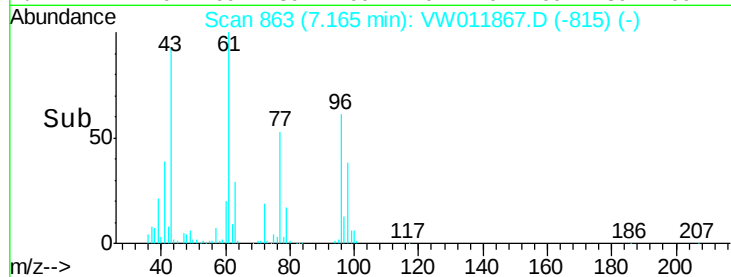
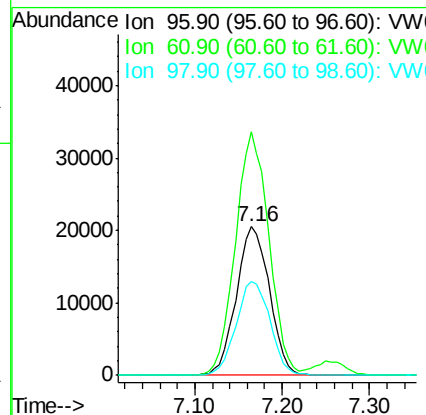
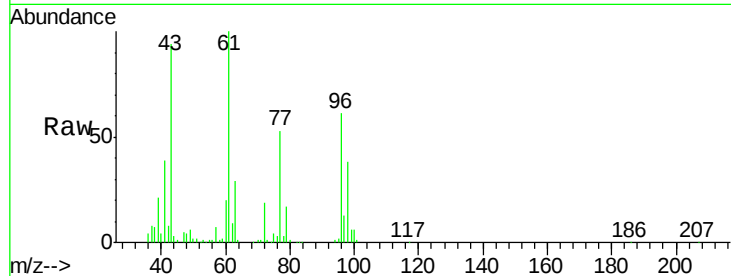
cis-1,2-Dichloroethene  
Concen: 21.857 ug/l  
RT: 7.16 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 165.1 | 0.0   | 328.4 |
| 98      | 64.4  | 0.0   | 128.8 |

Manual Integrations  
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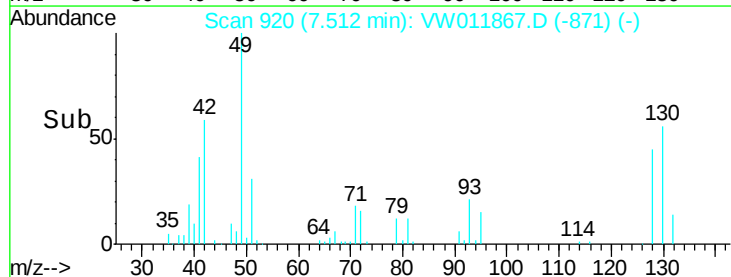
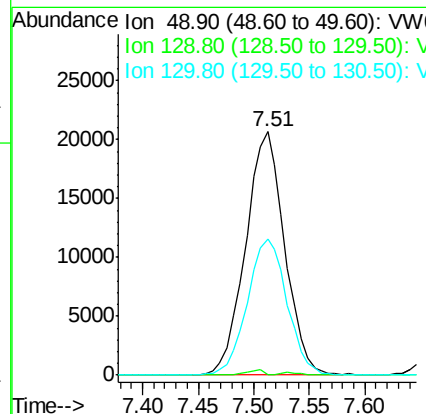
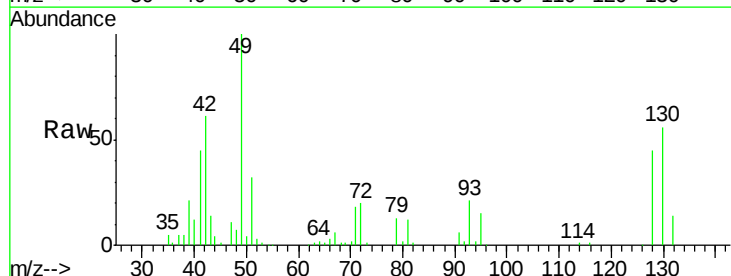
MMDadoda  
8/13/2019 2:36:34 PM

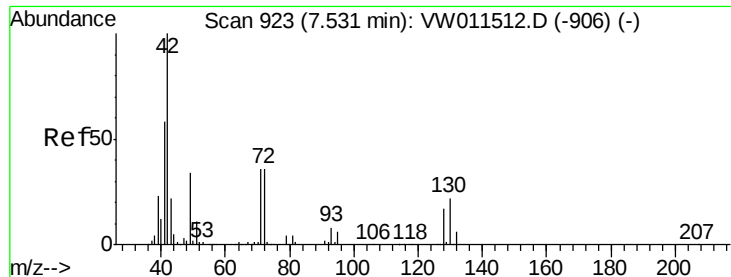


#28

Bromochloromethane  
Concen: 25.343 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.9   | 0.0   | 1.0   |
| 130     | 57.0  | 46.3  | 69.5  |





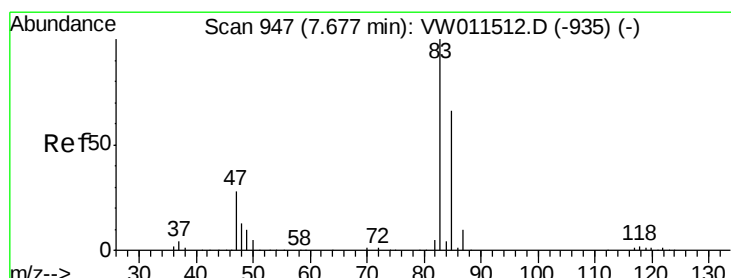
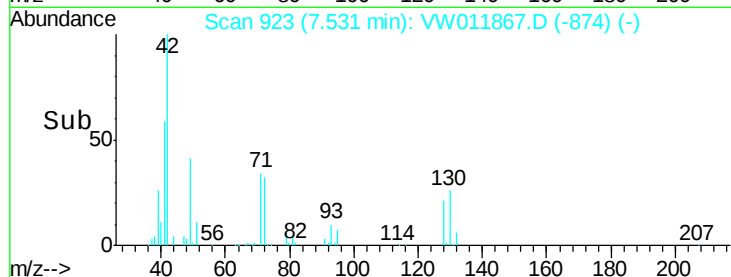
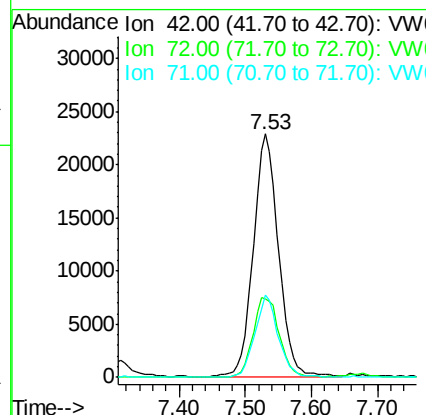
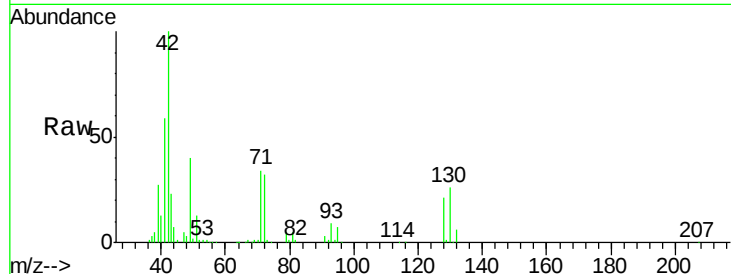
#29  
Tetrahydrofuran  
Concen: 110.691 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 42   | Resp: | 60544 |
| Ion Ratio |      | Lower | Upper |
| 42        | 100  |       |       |
| 72        | 34.4 | 27.1  | 40.7  |
| 71        | 31.7 | 26.2  | 39.4  |

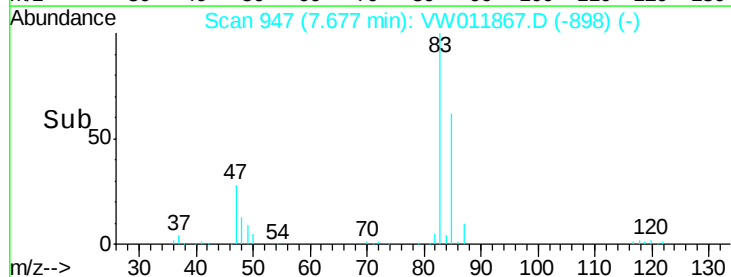
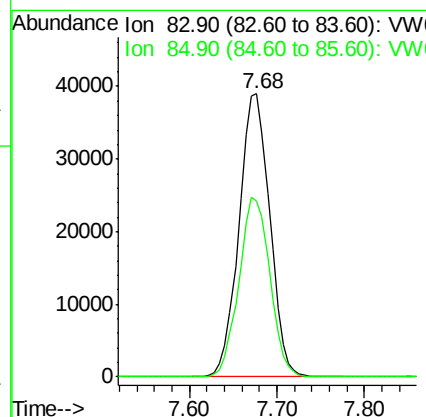
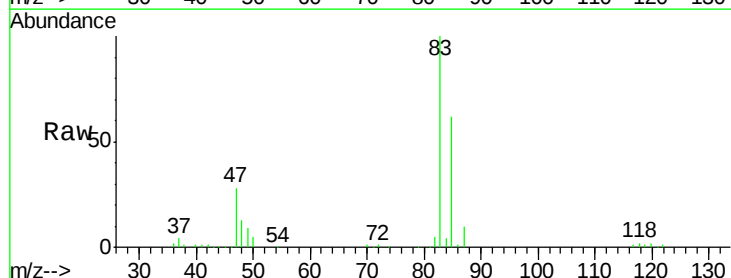
Manual Integrations  
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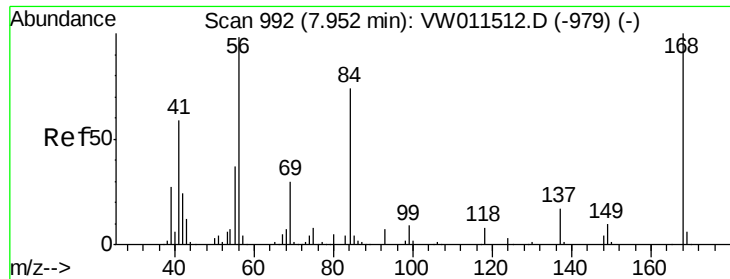
MMDadoda  
8/13/2019 2:36:34 PM



#30  
Chloroform  
Concen: 23.155 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 83   | Resp: | 95655 |
| Ion Ratio |      | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 62.3 | 52.5  | 78.7  |





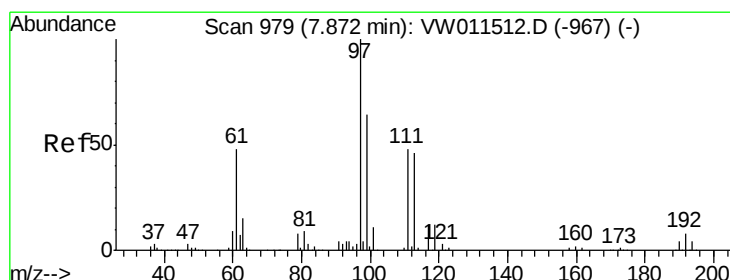
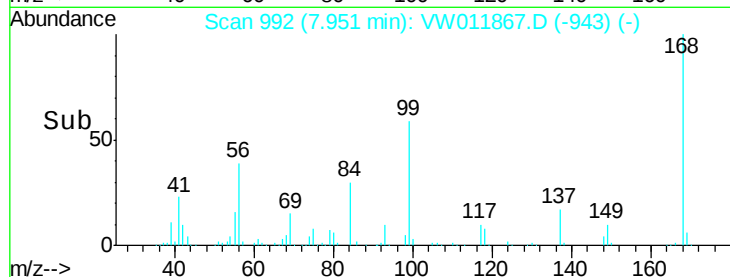
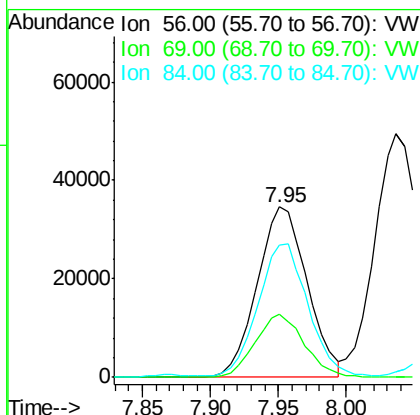
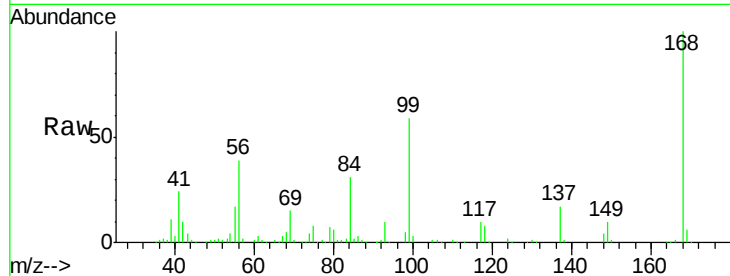
#31  
Cyclohexane  
Concen: 20.667 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 37.1  | 24.3  | 36.5# |
| 84      | 76.8  | 60.4  | 90.6  |

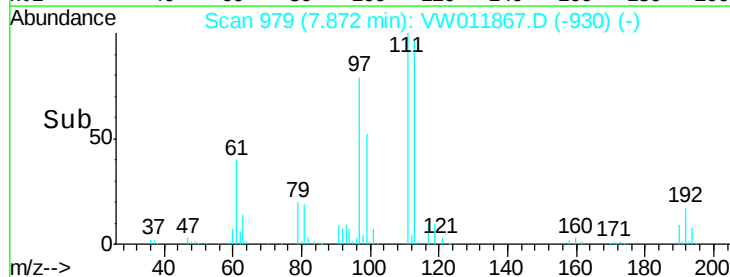
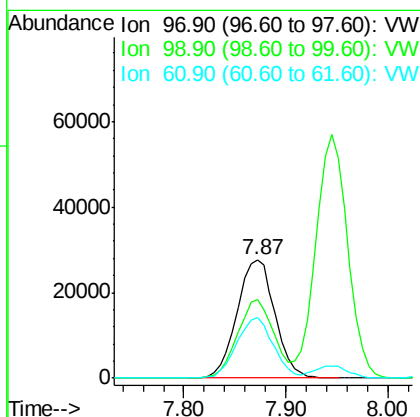
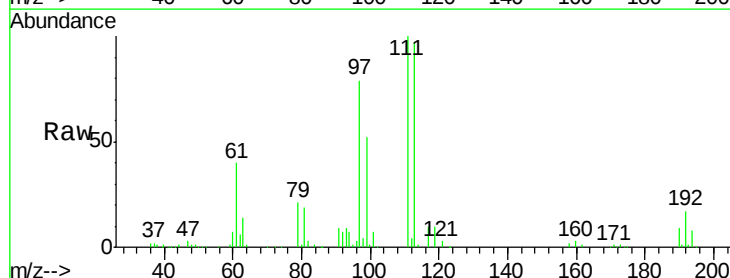
Manual Integrations  
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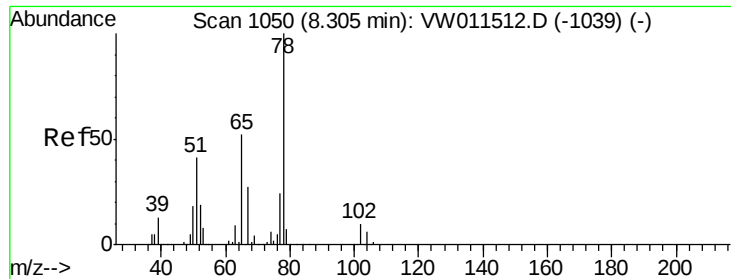
MMDadoda  
8/13/2019 2:36:34 PM



#32  
1,1,1-Trichloroethane  
Concen: 22.742 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.2  | 51.0  | 76.6  |
| 61      | 49.3  | 39.8  | 59.6  |





#33

1,2-Dichloroethane-d4

Concen: 58.479 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0812SBS03

Tot Ion: 65 Resp: 134437

Ion Ratio Lower Upper

65 100

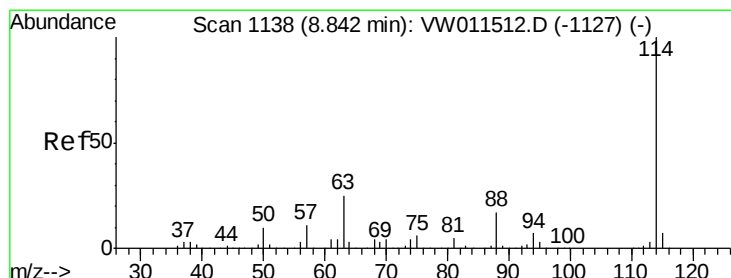
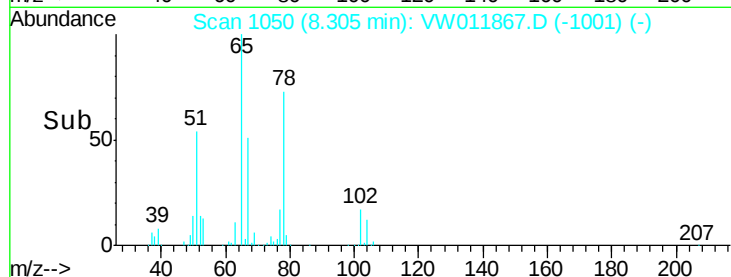
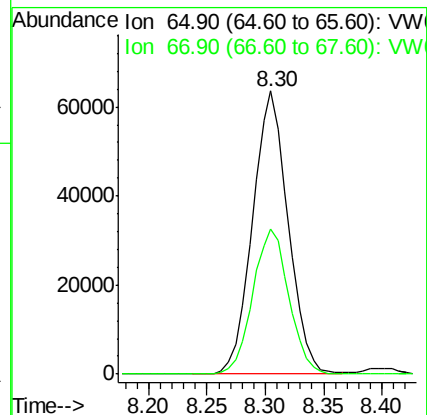
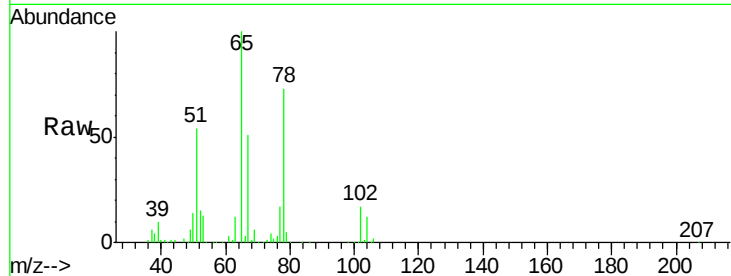
67 52.2 0.0 105.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

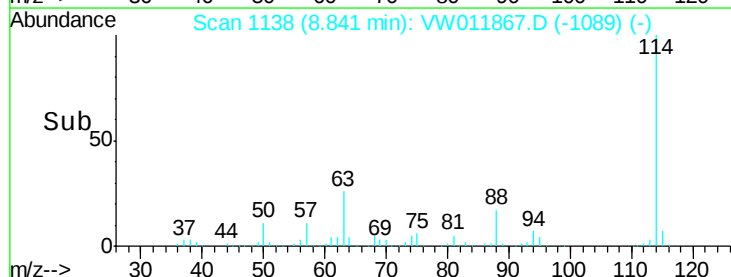
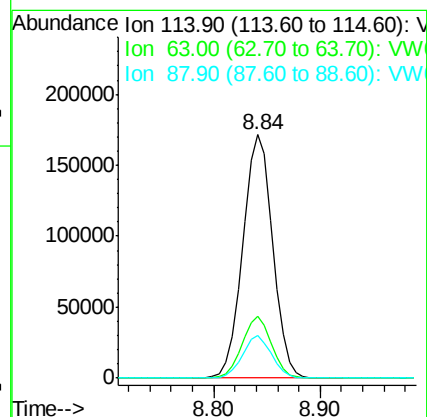
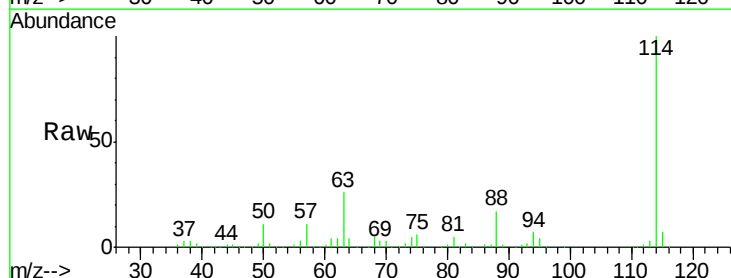
Tgt Ion: 114 Resp: 337814

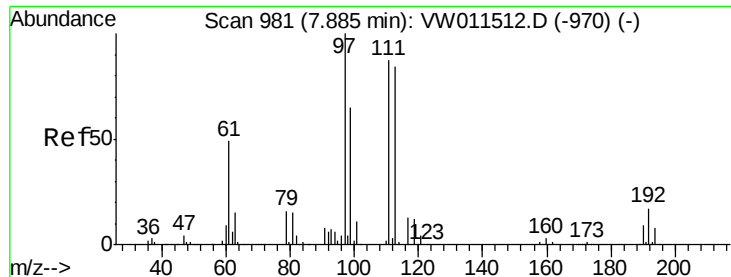
Ion Ratio Lower Upper

114 100

63 25.5 0.0 49.2

88 17.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.556 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

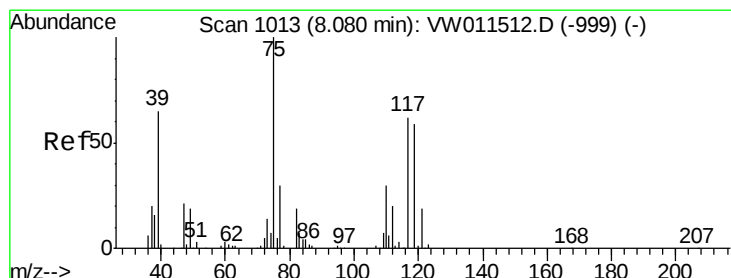
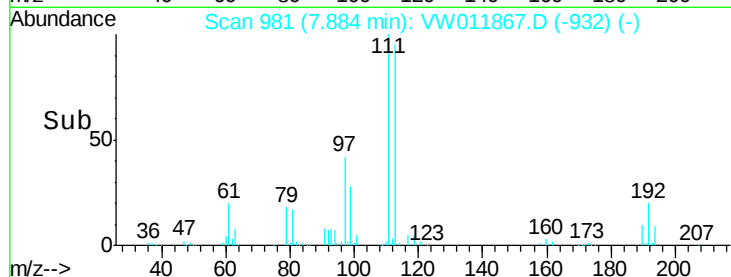
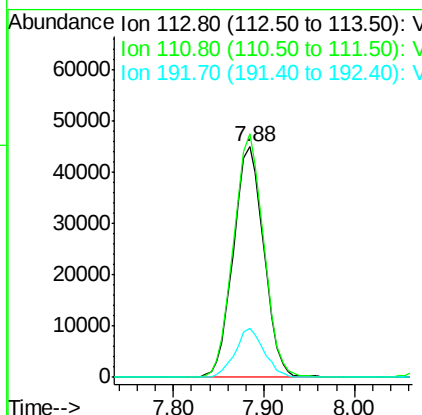
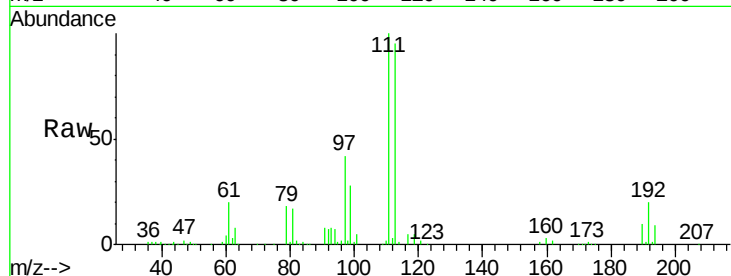
ClientSampleId :

VW0812SBS03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 105289 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 104.6 | 82.7  | 124.1  |
| 192       | 20.1  | 16.1  | 24.1   |

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#36

1,1-Dichloropropene

Concen: 20.913 ug/l

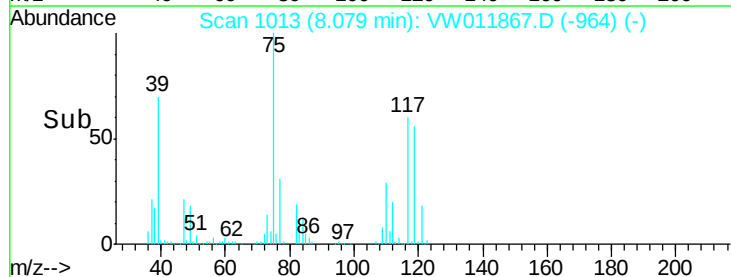
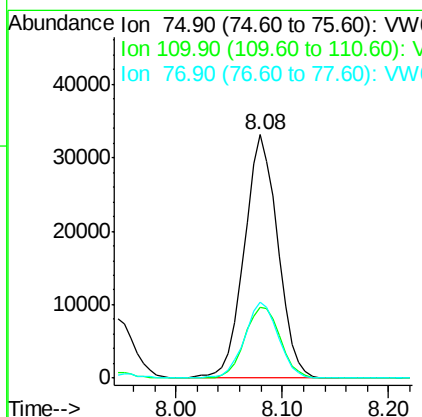
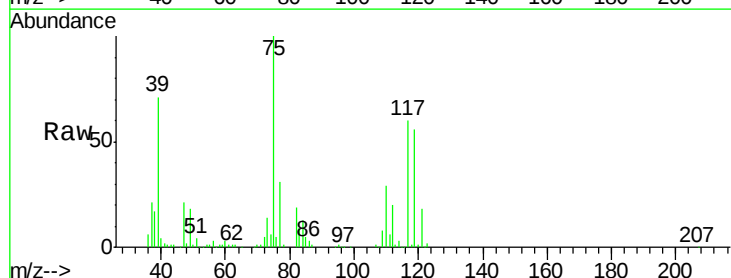
RT: 8.08 min Scan# 1013

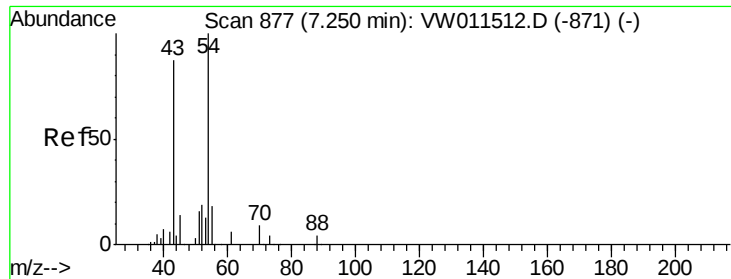
Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 73461 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 30.8  | 15.6  | 46.8  |
| 77        | 31.5  | 24.3  | 36.5  |





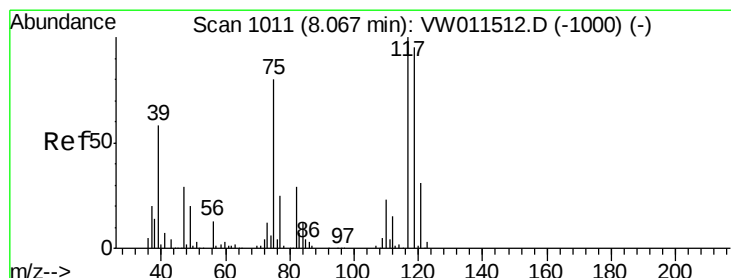
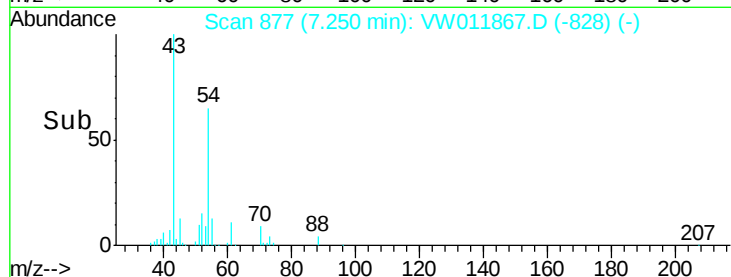
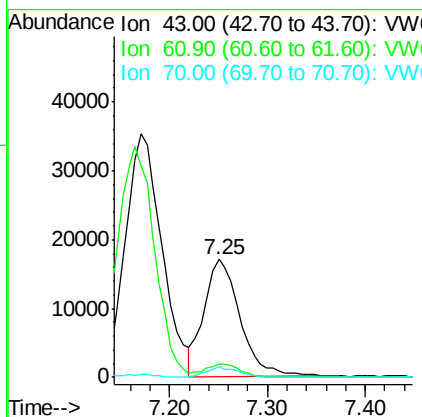
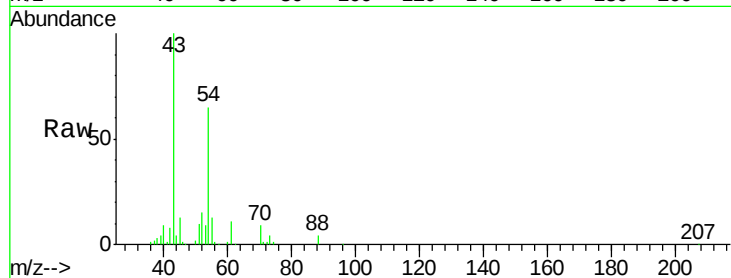
#37  
Ethyl Acetate  
Concen: 21.324 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 11.0  | 8.8   | 13.2  |
| 70      | 8.4   | 7.1   | 10.7  |

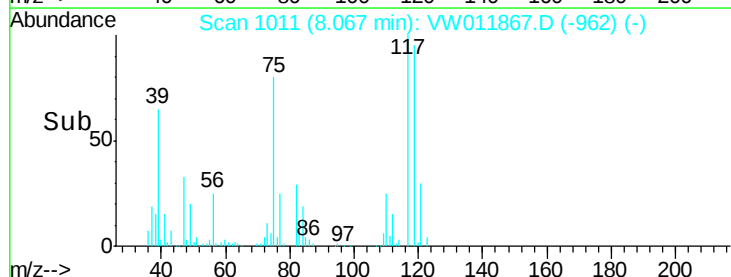
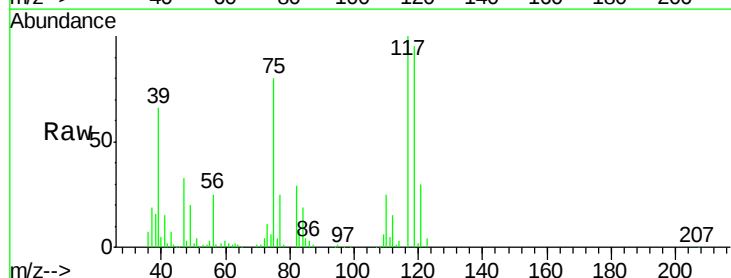
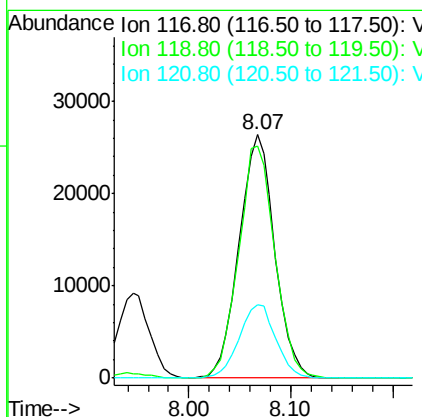
Manual Integrations  
APPROVED

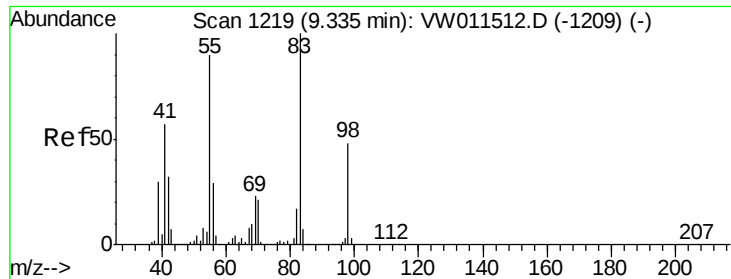
MMDadoda  
8/13/2019 2:36:34 PM



#38  
Carbon Tetrachloride  
Concen: 21.276 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.2  | 75.8  | 113.6 |
| 121     | 30.0  | 24.7  | 37.1  |





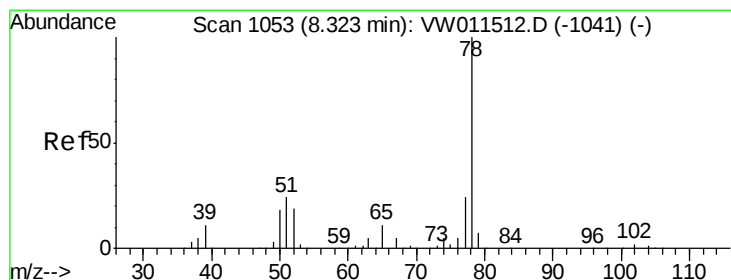
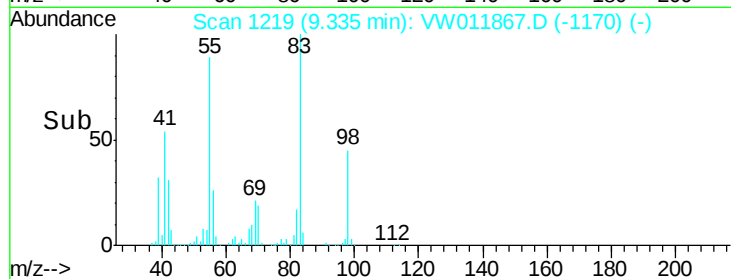
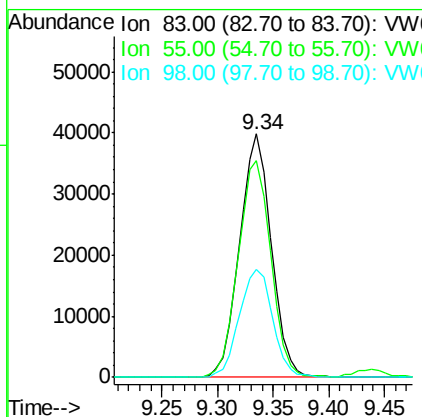
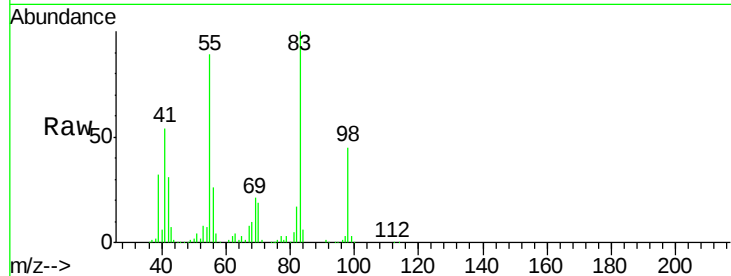
#39  
Methvlcvclohexane  
Concen: 20.397 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 89.3  | 72.1  | 108.1 |
| 98      | 44.6  | 38.6  | 57.8  |

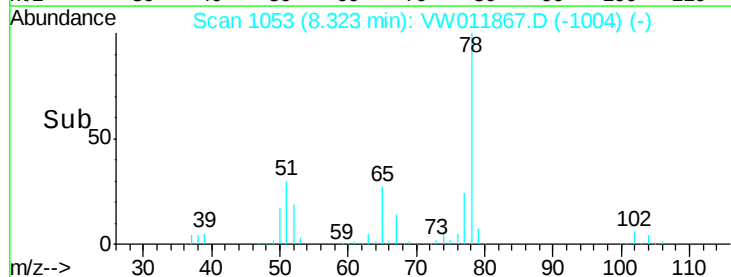
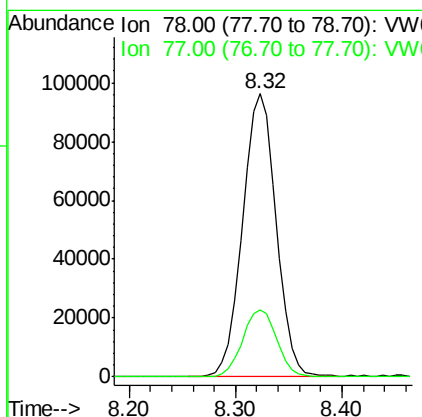
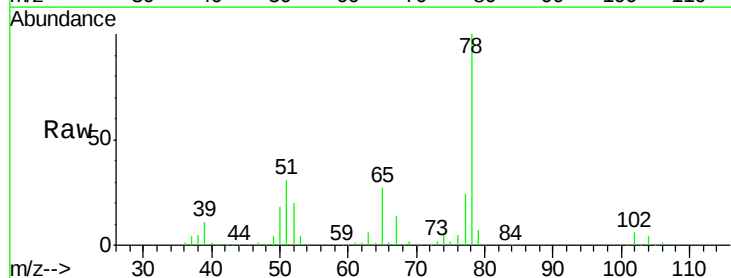
Manual Integrations  
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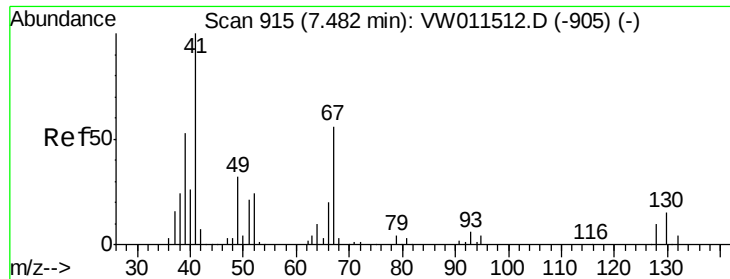
MMDadoda  
8/13/2019 2:36:34 PM



#40  
Benzene  
Concen: 21.695 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 19.4  | 29.0  |





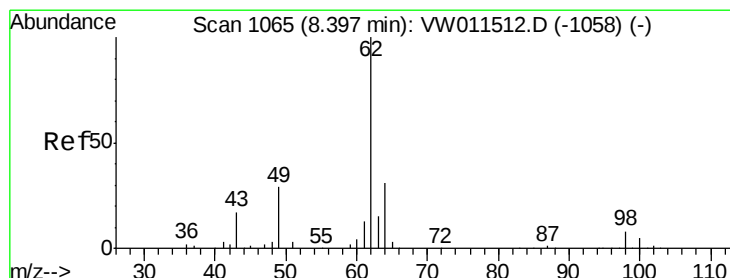
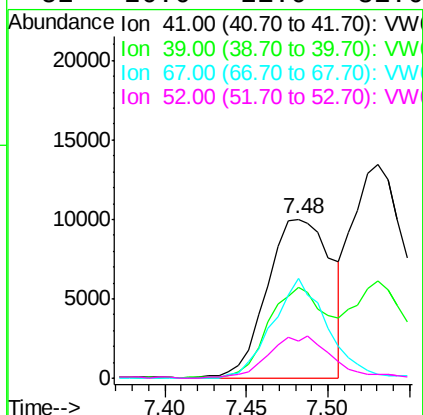
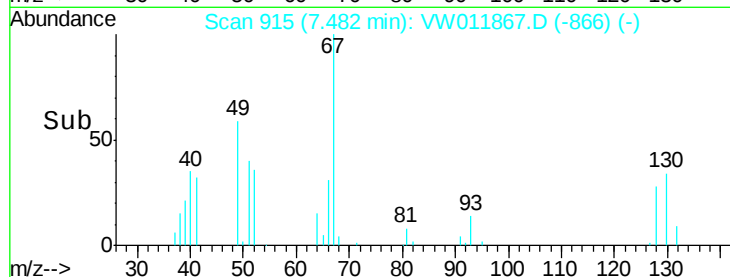
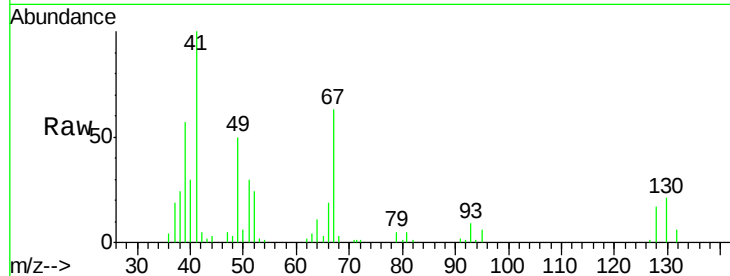
#41  
Methacrylonitrile  
Concen: 22.763 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion   | 41    | Resp  | 27499 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 53.8  | 43.0  | 64.4  |
| 67        | 54.6  | 47.5  | 71.3  |
| 52        | 26.6  | 21.0  | 31.6  |

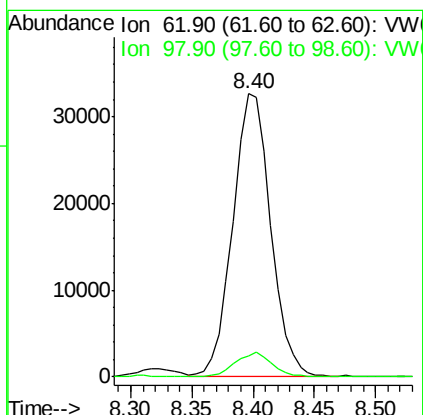
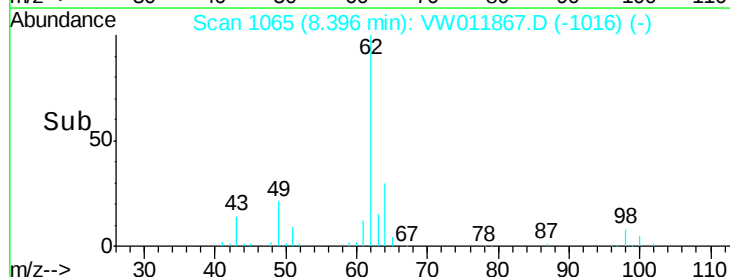
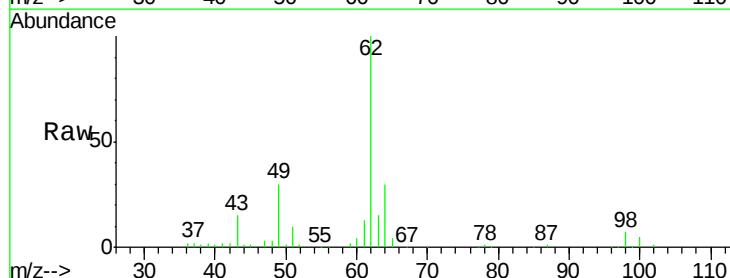
Manual Integrations  
APPROVED

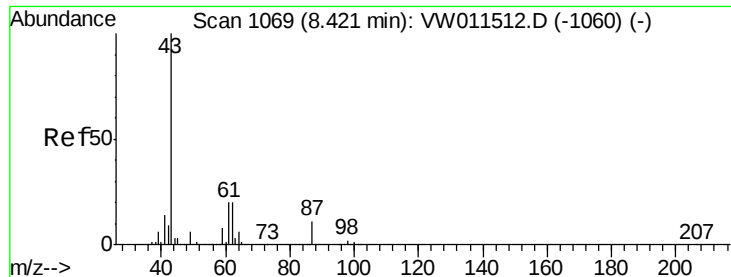
MMDadoda  
8/13/2019 2:36:34 PM



#42  
1,2-Dichloroethane  
Concen: 22.841 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion   | 62    | Resp  | 70362 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 8.4   | 0.0   | 16.8  |





#43

Isopropyl Acetate

Concen: 21.742 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

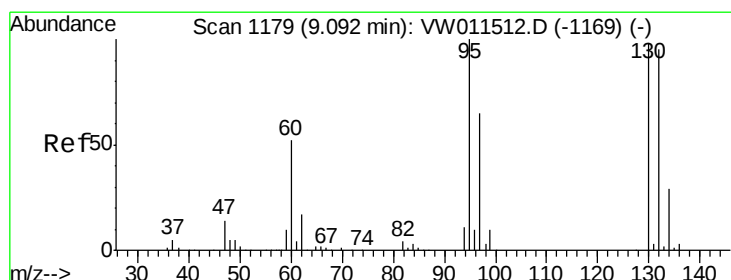
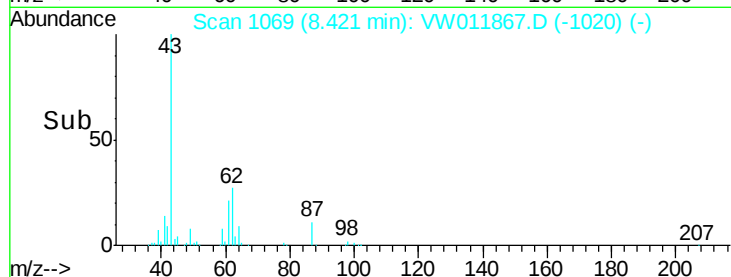
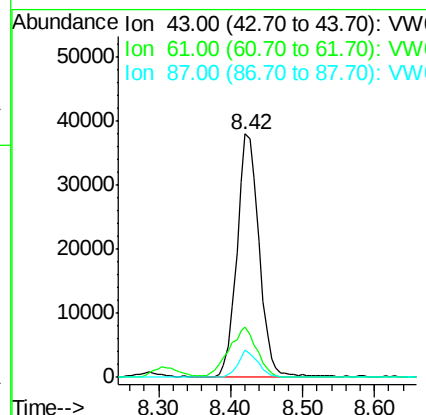
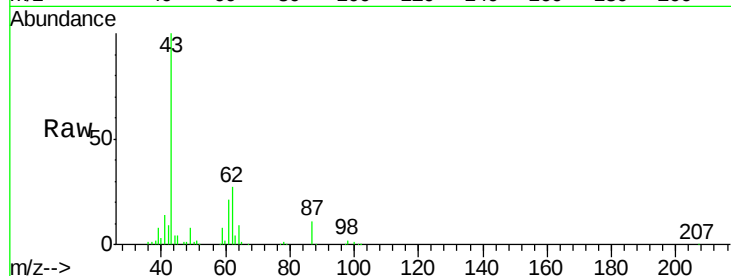
ClientSampleId :

VW0812SBS03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 80808 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 26.3  | 21.5  | 32.3  |
| 87       | 10.1  | 8.4   | 12.6  |

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MMDadoda  
8/13/2019 2:36:34 PM



#44

Trichloroethene

Concen: 20.838 ug/l

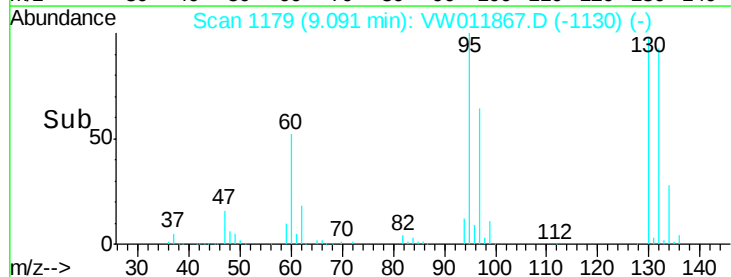
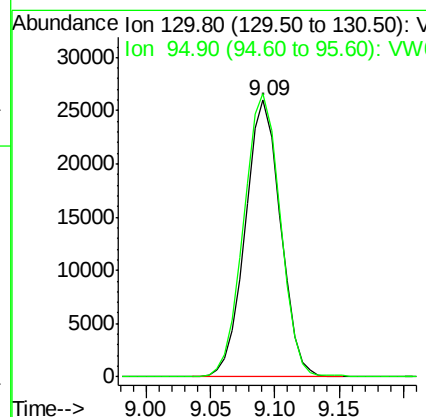
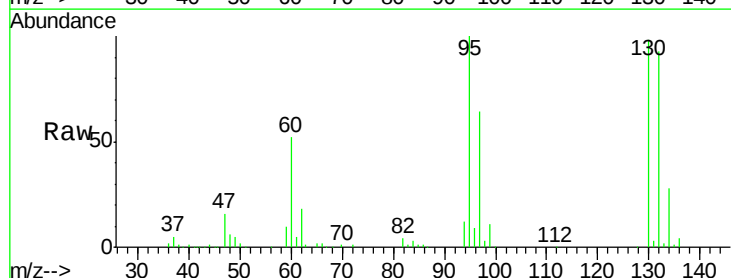
RT: 9.09 min Scan# 1179

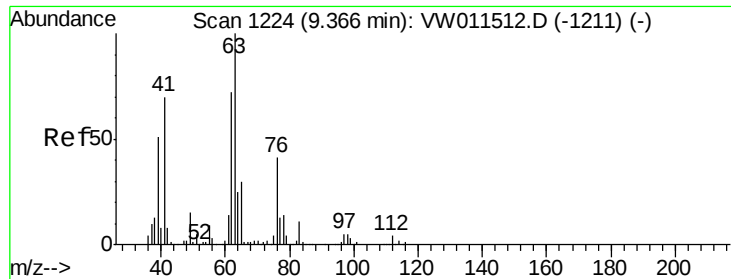
Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 49277 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 102.3 | 0.0   | 204.8 |





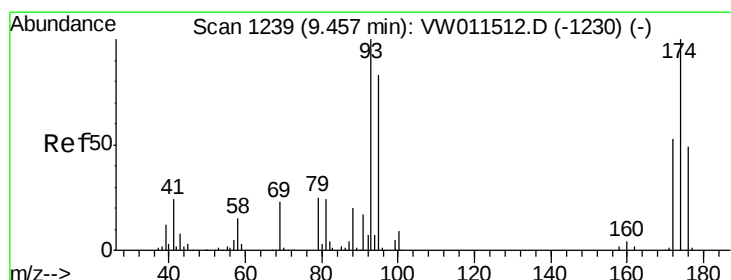
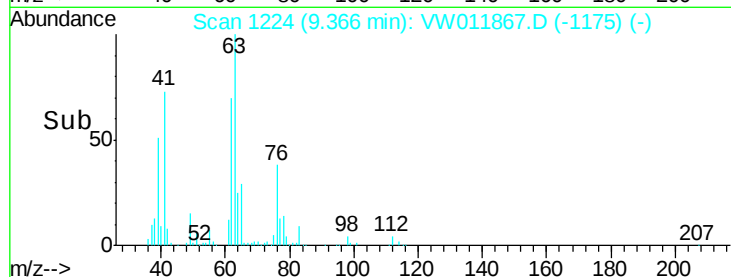
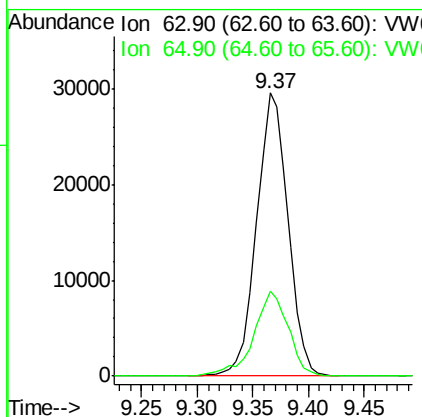
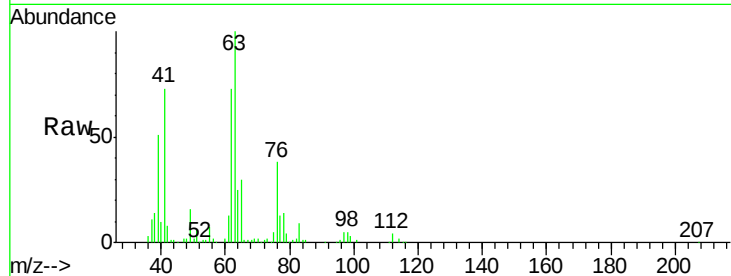
#45  
 1,2-Dichloropropane  
 Concen: 22.165 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.1  | 24.2  | 36.4  |

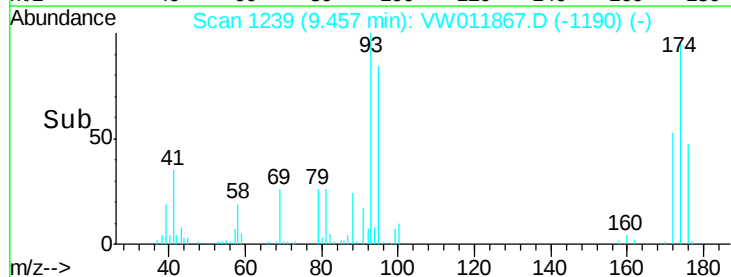
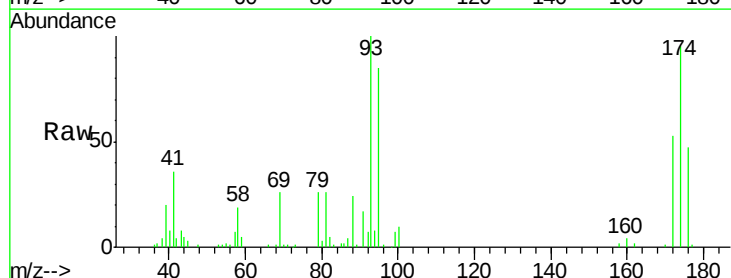
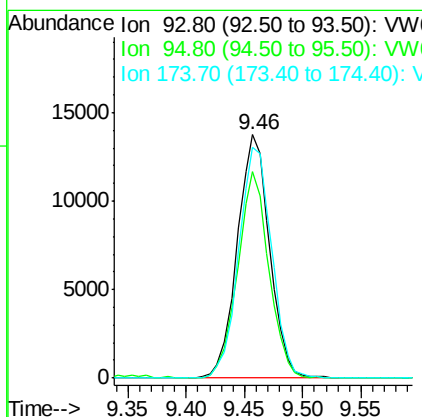
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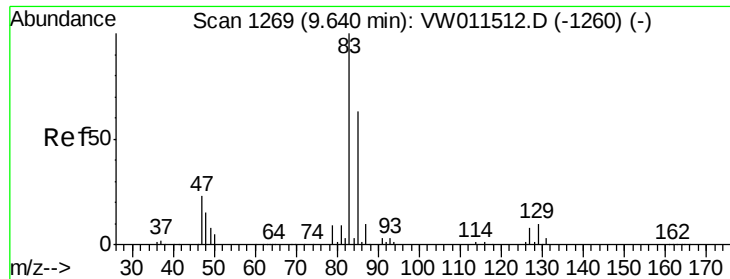
MMDadoda  
 8/13/2019 2:36:34 PM



#46  
 Dibromomethane  
 Concen: 22.158 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 81.8  | 66.2  | 99.2  |
| 174     | 96.8  | 78.2  | 117.4 |





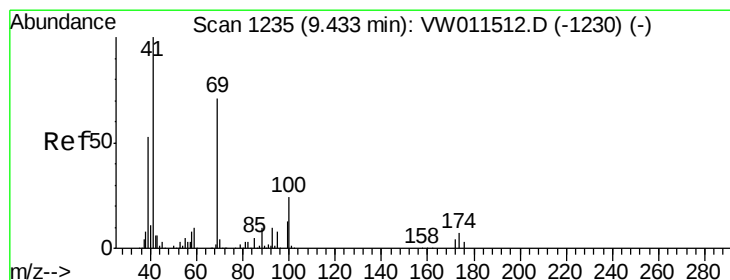
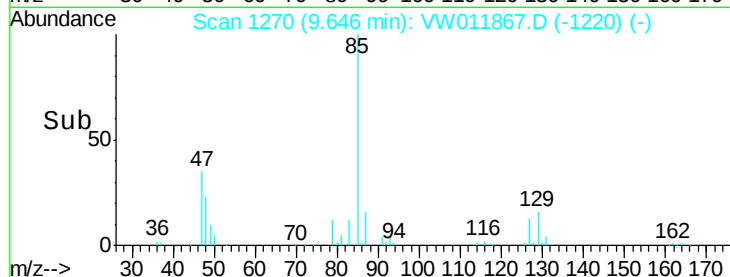
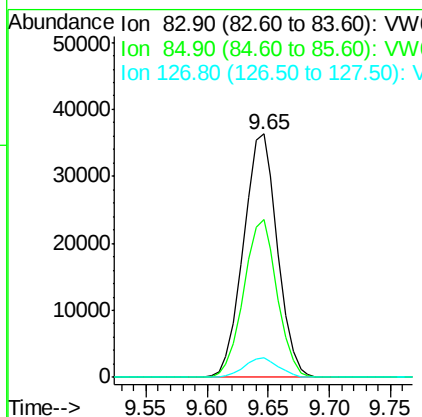
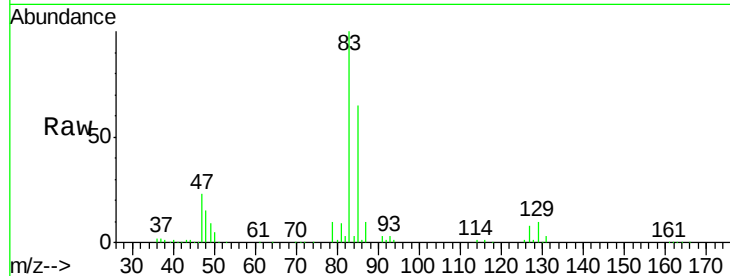
#47  
Bromodichloromethane  
Concen: 22.232 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. 0.01 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | 83  | 85   | 127 | Ratio | Lower | Upper |
|---------|-----|------|-----|-------|-------|-------|
| 70073   | 100 | 64.7 | 8.1 |       | 50.5  | 75.7  |
|         |     |      |     |       | 6.4   | 9.6   |

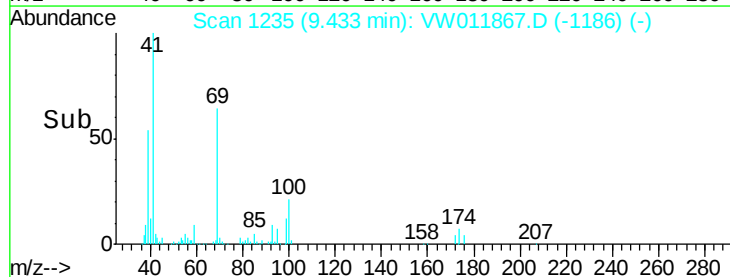
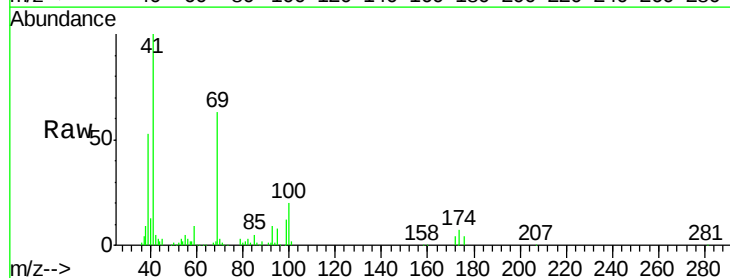
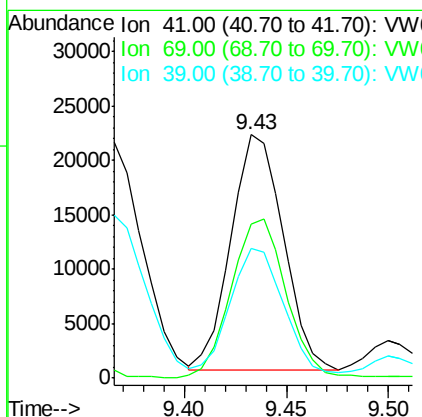
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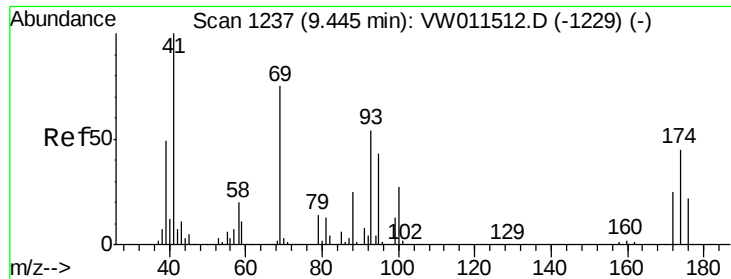
MMDadoda  
8/13/2019 2:36:34 PM



#48  
Methyl methacrylate  
Concen: 21.643 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | 41  | 69   | 39   | Ratio | Lower | Upper |
|---------|-----|------|------|-------|-------|-------|
| 38639   | 100 | 72.0 | 57.5 |       | 57.1  | 85.7  |
|         |     |      |      |       | 45.4  | 68.2  |





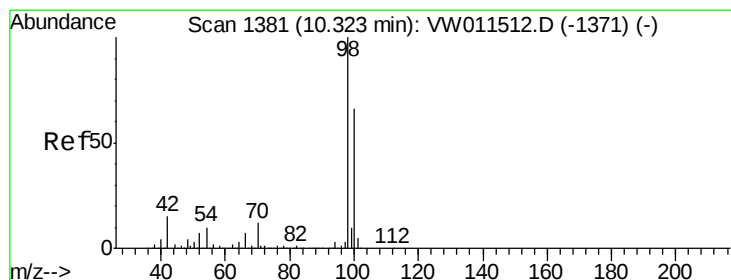
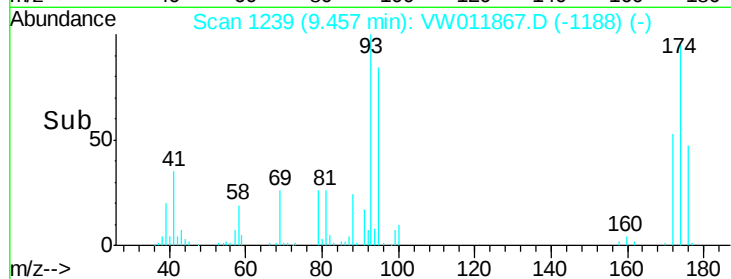
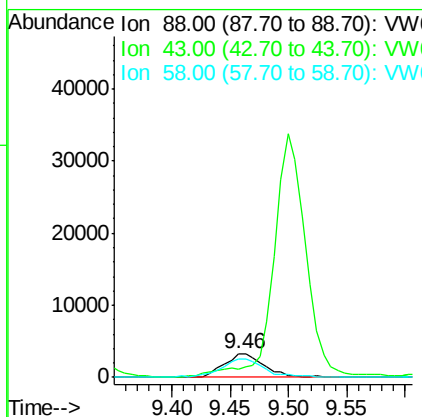
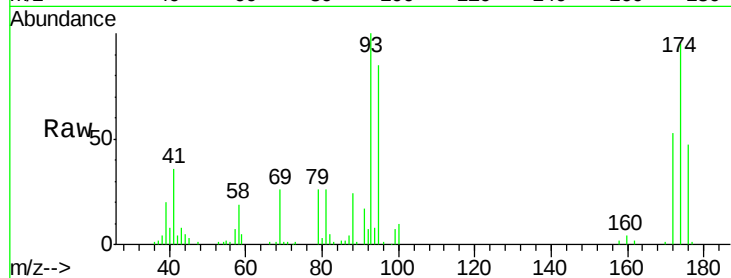
#49  
1,4-Dioxane  
Concen: 452.923 ug/l  
RT: 9.46 min Scan# 1239  
Delta R.T. 0.01 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion   | 88   | Resp  | 7880  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 88        | 100  |       |       |
| 43        | 0.0  | 34.0  | 51.0# |
| 58        | 85.1 | 69.7  | 104.5 |

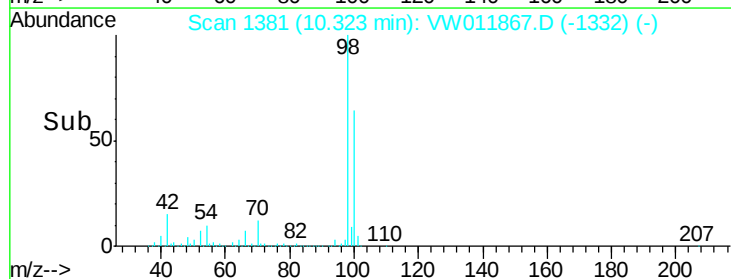
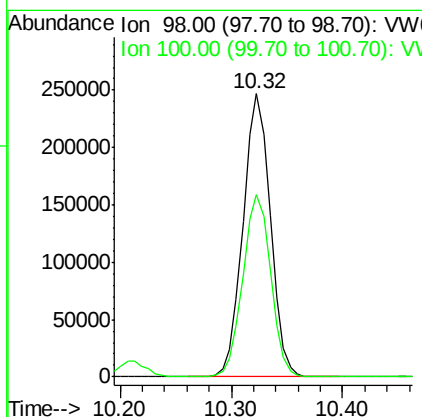
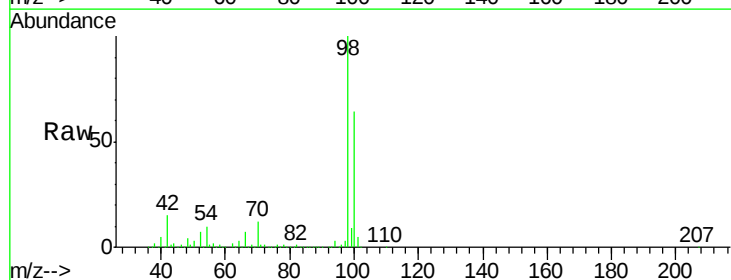
Manual Integrations  
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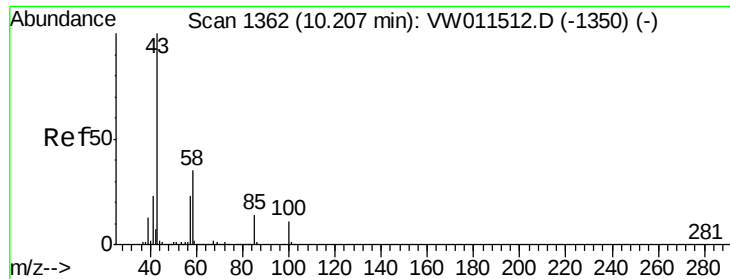
MMDadoda  
8/13/2019 2:36:34 PM



#50  
Toluene-d8  
Concen: 54.309 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion   | 98   | Resp  | 421412 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 98        | 100  |       |        |
| 100       | 65.5 | 52.7  | 79.1   |





#51

4-Methyl-2-Pentanone

Concen: 108.858 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0812SBS03

Tot Ion: 43 Resp: 210445

Ion Ratio Lower Upper

43 100

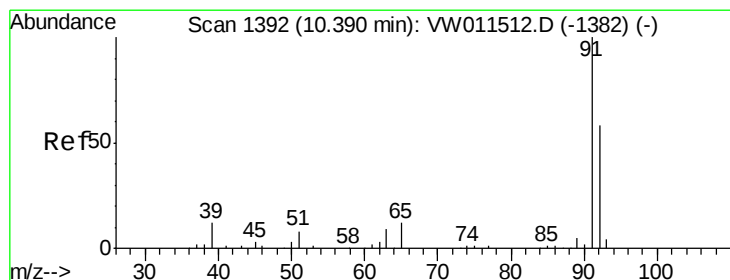
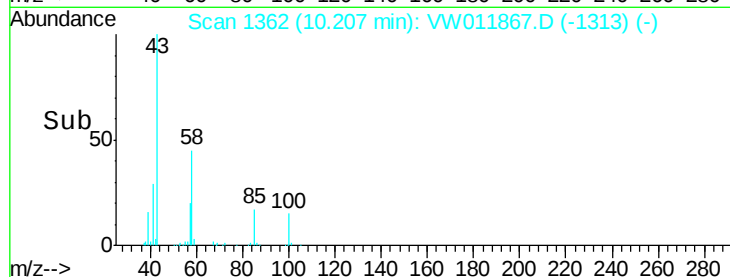
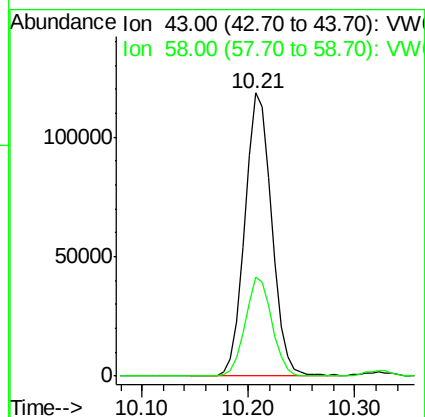
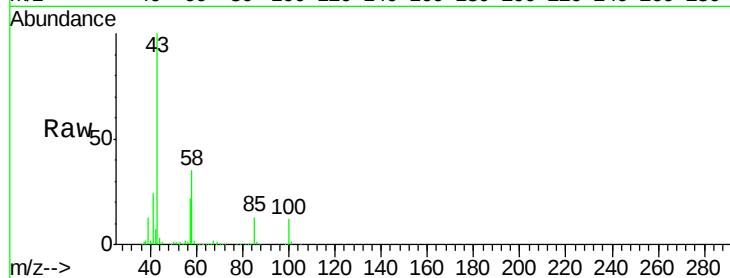
58 34.7 28.2 42.2

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8/13/2019 2:36:34 PM



#52

Toluene

Concen: 21.859 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011867.D

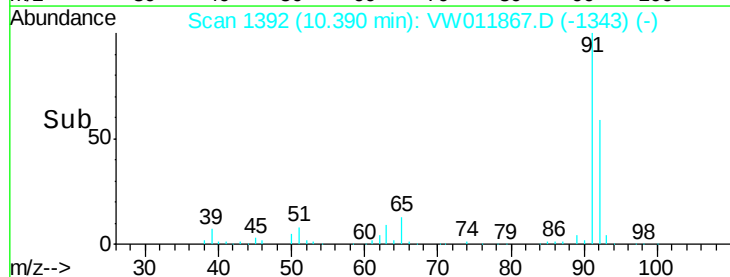
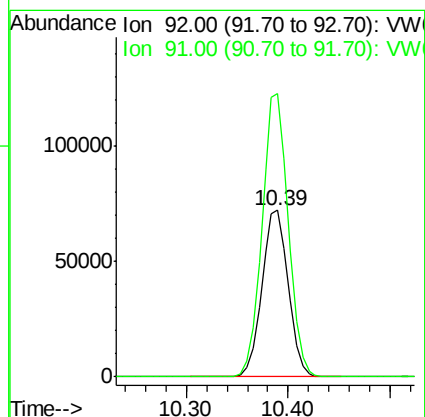
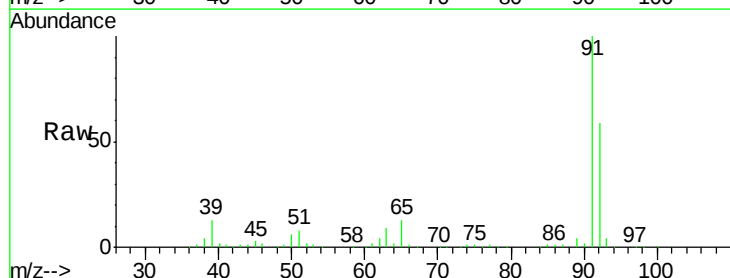
Acq: 12 Aug 2019 23:27

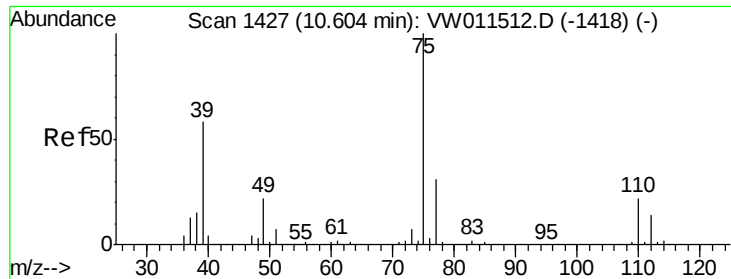
Tgt Ion: 92 Resp: 129881

Ion Ratio Lower Upper

92 100

91 168.6 136.7 205.1





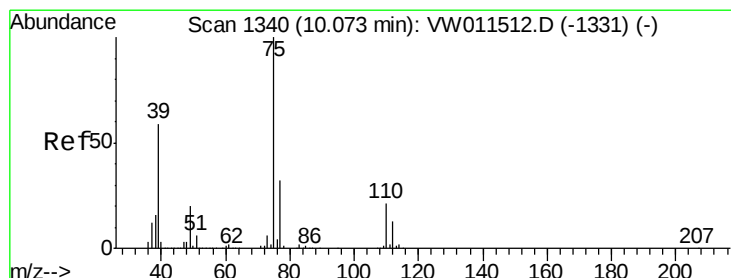
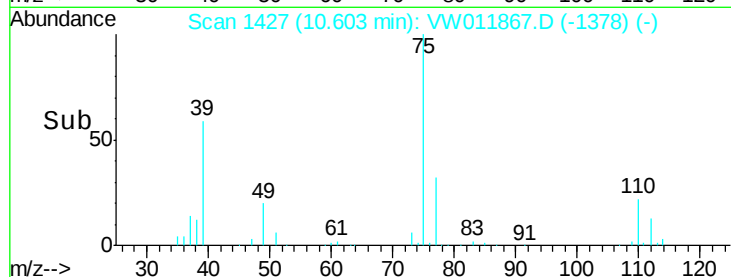
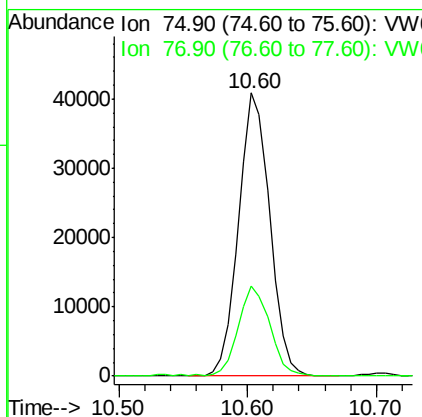
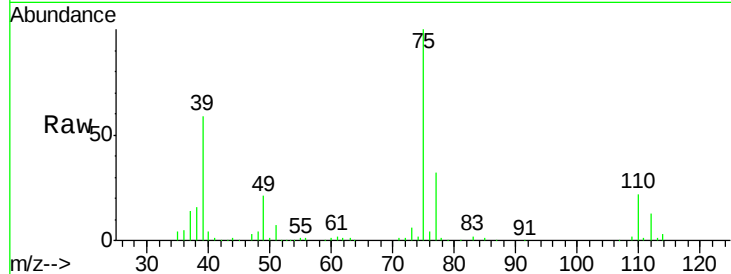
#53  
t-1,3-Dichloropropene  
Concen: 20.873 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

Tot Ion: 75 Resp: 68725  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.0 37.4

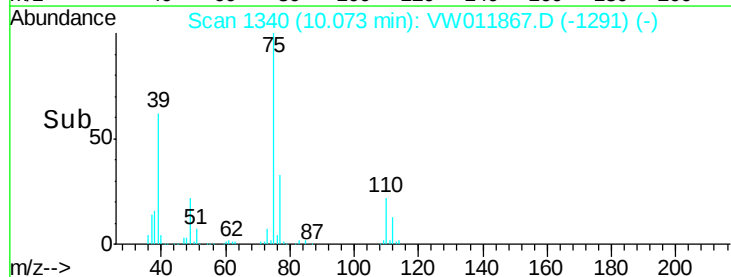
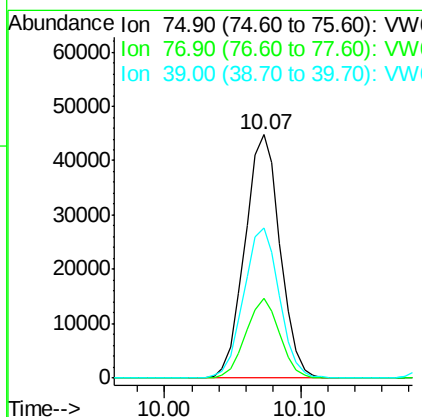
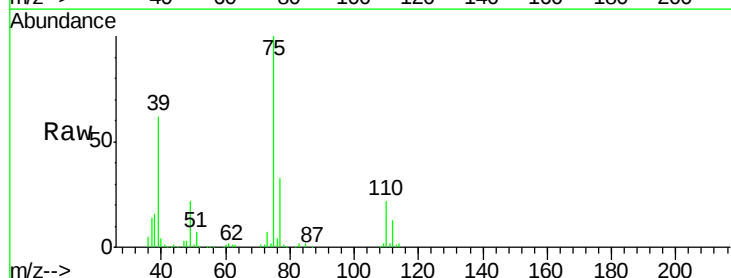
Manual Integrations  
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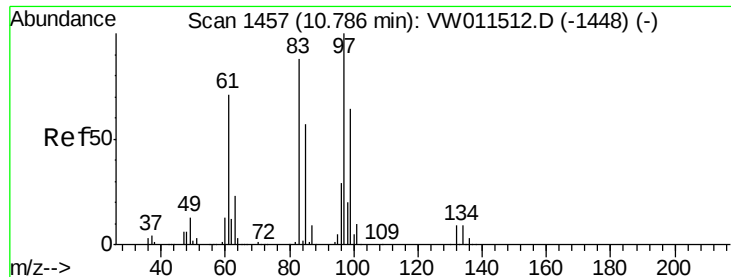
MMDadoda  
8/13/2019 2:36:34 PM



#54  
cis-1,3-Dichloropropene  
Concen: 20.689 ug/l  
RT: 10.07 min Scan# 1340  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Tgt Ion: 75 Resp: 80994  
Ion Ratio Lower Upper  
75 100  
77 32.7 25.6 38.4  
39 61.7 47.0 70.4





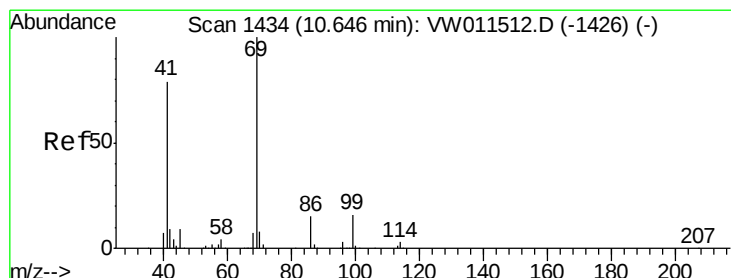
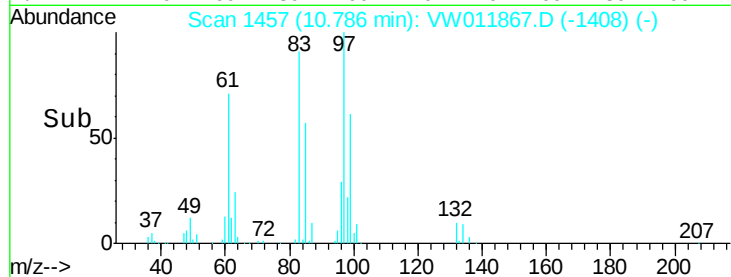
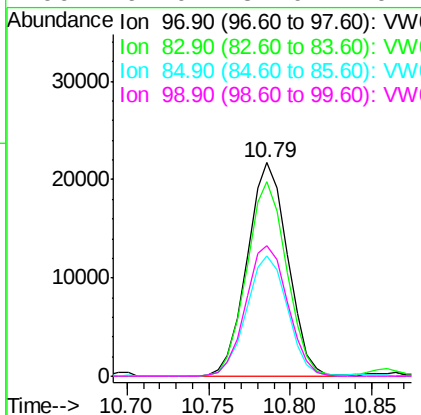
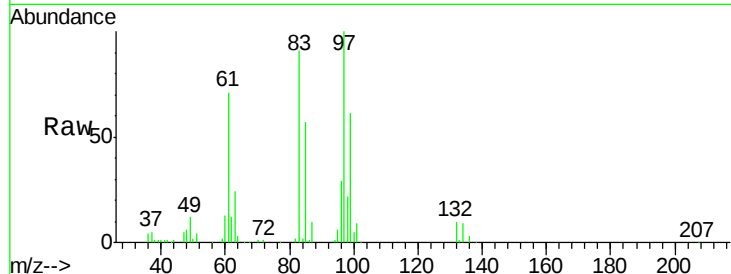
#55  
 1,1,2-Trichloroethane  
 Concen: 22.081 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0812SBS03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 37645 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.2  | 70.5  | 105.7 |
| 85       | 56.5  | 45.8  | 68.6  |
| 99       | 61.0  | 51.0  | 76.4  |

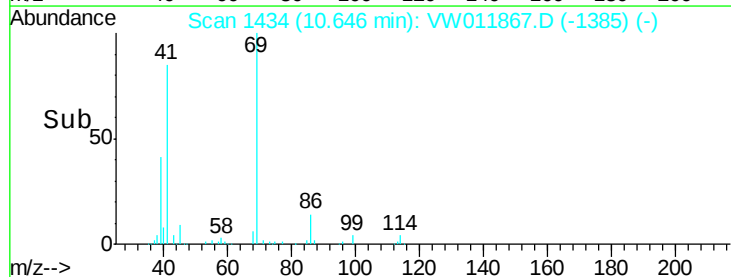
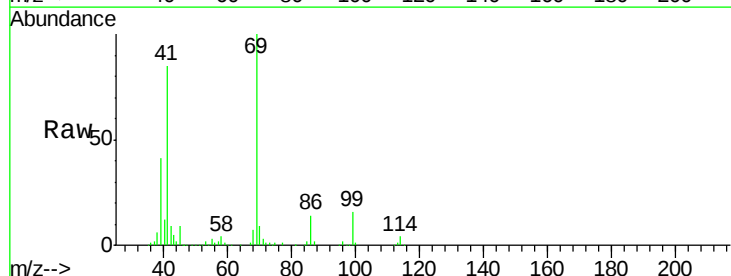
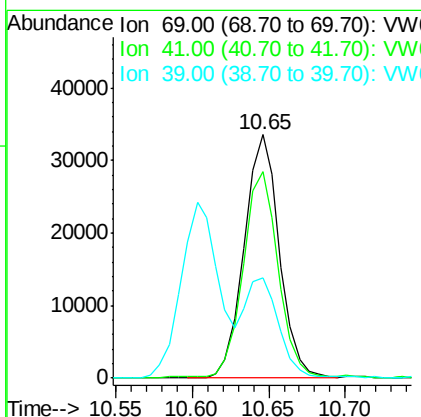
Manual Integrations  
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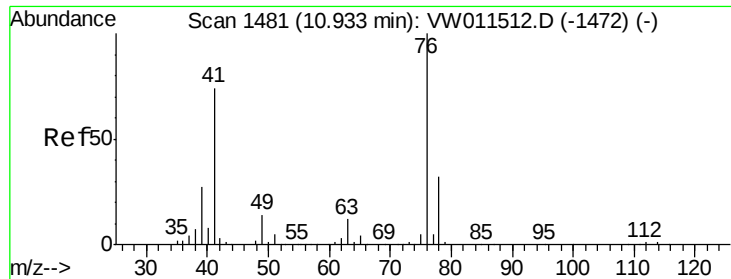
MMDadoda  
 8/13/2019 2:36:34 PM



#56  
 Ethyl methacrylate  
 Concen: 21.441 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 53491 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 85.4  | 66.6  | 99.8  |
| 39       | 39.6  | 30.3  | 45.5  |





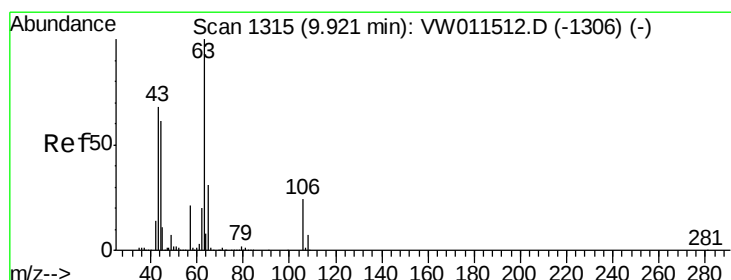
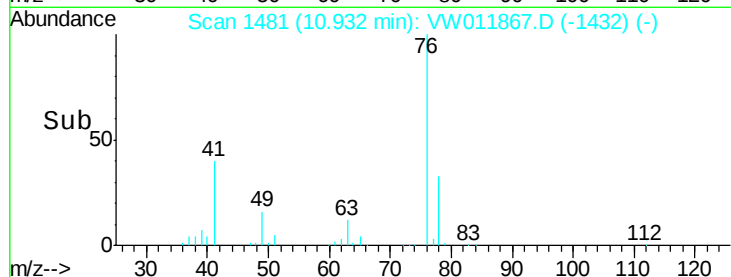
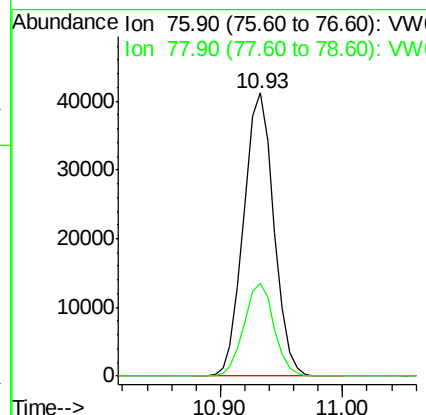
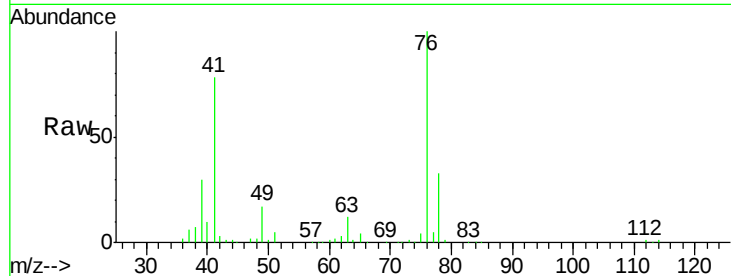
#57  
 1,3-Dichloropropane  
 Concen: 21.905 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0812SBS03

Tot Ion: 76 Resp: 70653  
 Ion Ratio Lower Upper  
 76 100  
 78 32.6 25.2 37.8

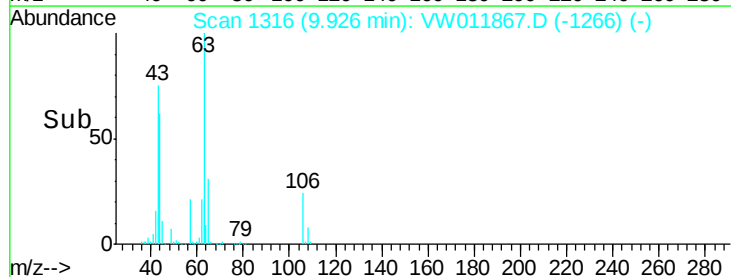
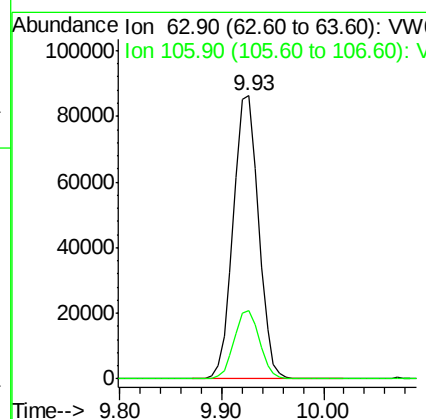
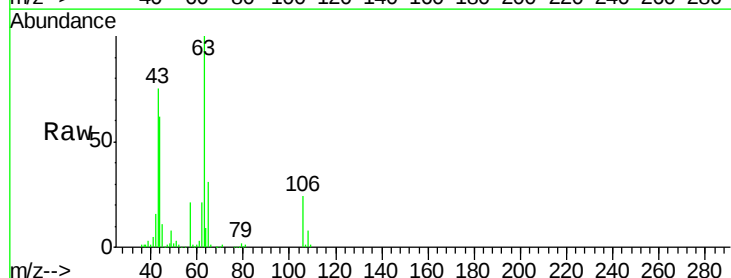
Manual Integrations  
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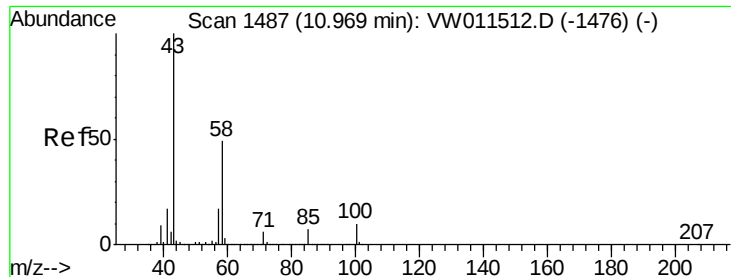
MMDadoda  
 8/13/2019 2:36:34 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 130.686 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.01 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

Tgt Ion: 63 Resp: 148030  
 Ion Ratio Lower Upper  
 63 100  
 106 24.3 19.7 29.5





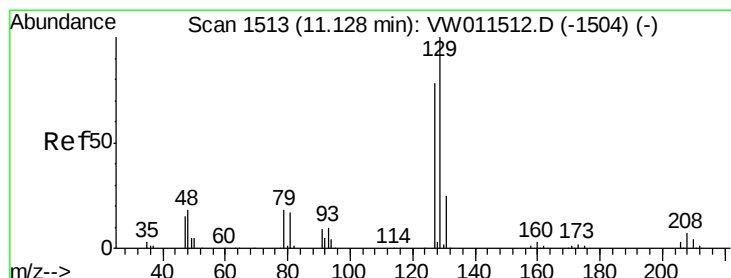
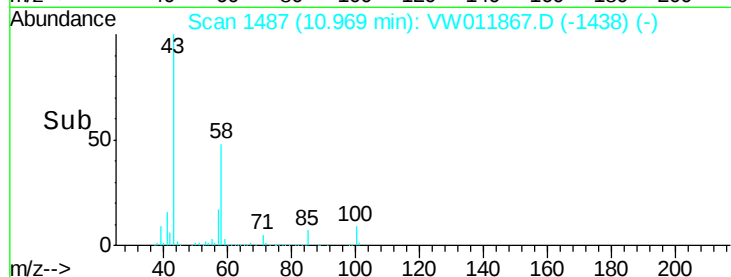
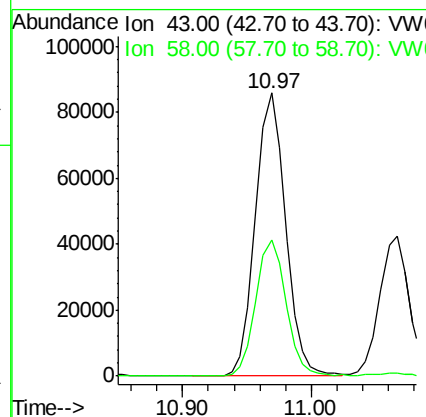
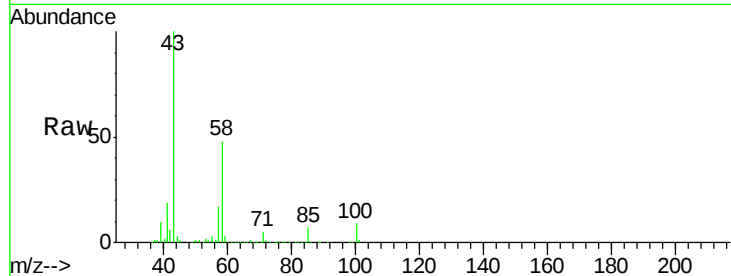
#59  
2-Hexanone  
Concen: 101.810 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

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

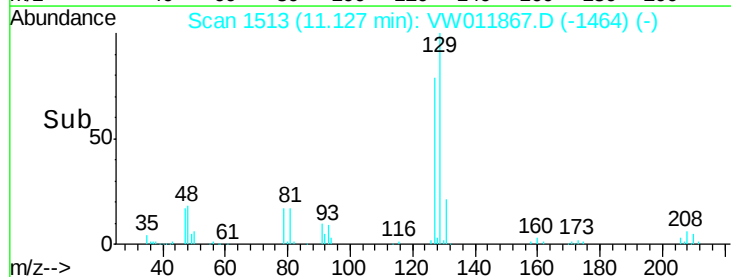
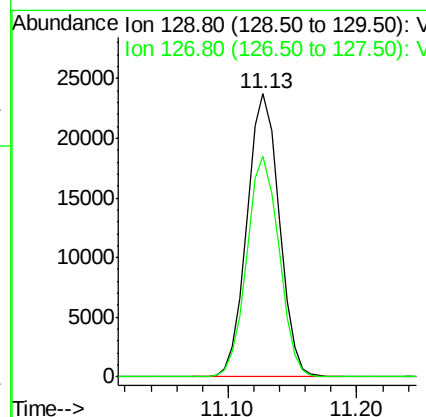
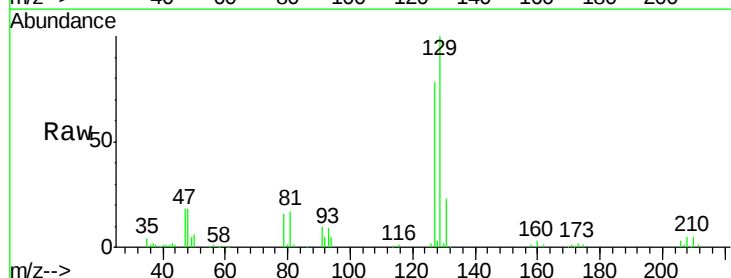
Manual Integrations  
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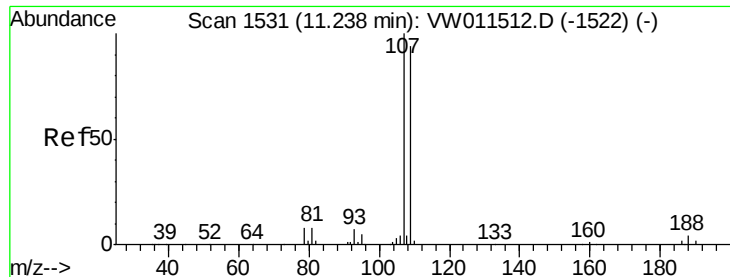
MMDadoda  
8/13/2019 2:36:34 PM



#60  
Dibromochloromethane  
Concen: 21.694 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.7  | 38.9  | 116.7 |





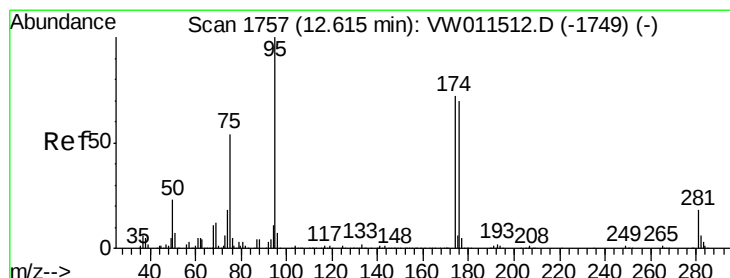
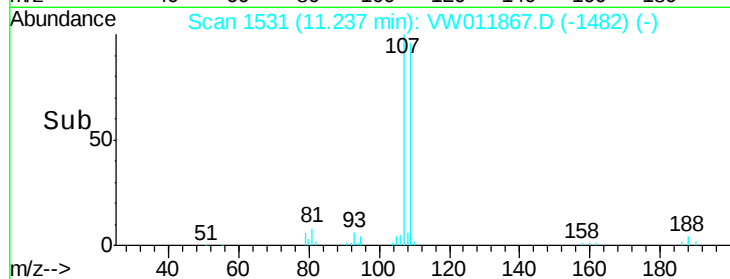
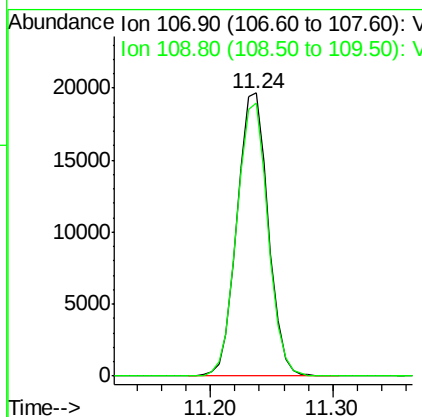
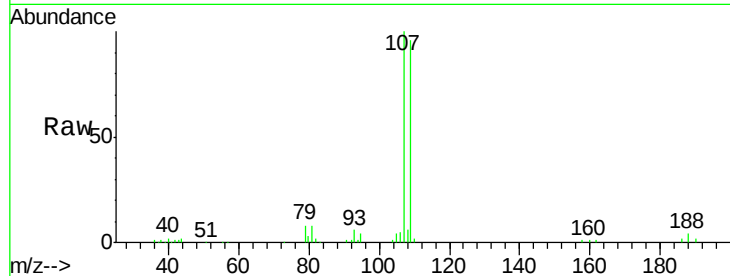
#61  
 1,2-Dibromoethane  
 Concen: 21.463 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 96.5  | 75.0  | 112.6 |

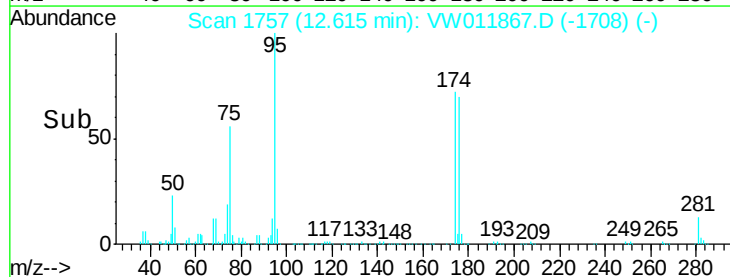
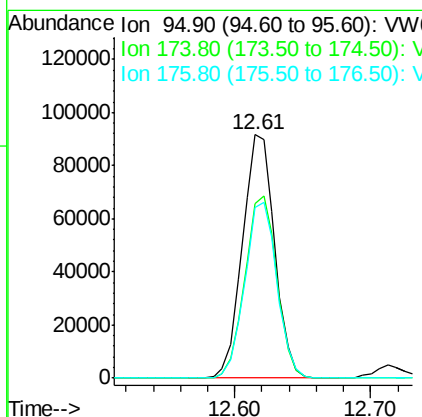
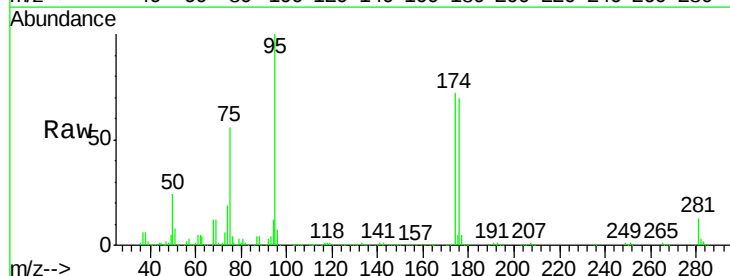
Manual Integrations  
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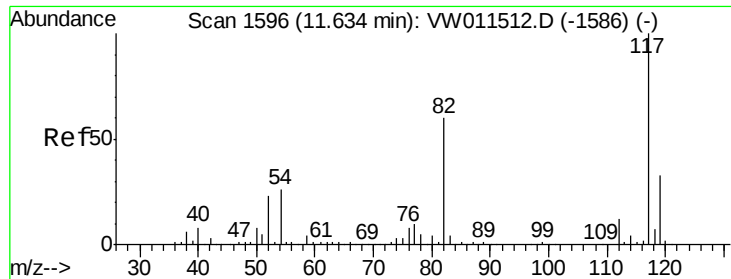
MMDadoda  
 8/13/2019 2:36:34 PM



#62  
 4-Bromofluorobenzene  
 Concen: 54.673 ug/l  
 RT: 12.61 min Scan# 1757  
 Delta R.T. -0.00 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 74.7  | 0.0   | 150.2 |
| 176     | 72.2  | 0.0   | 144.4 |





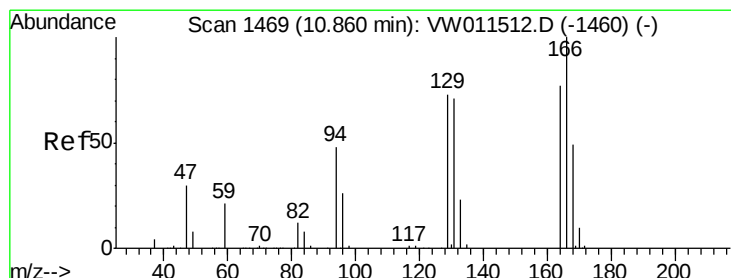
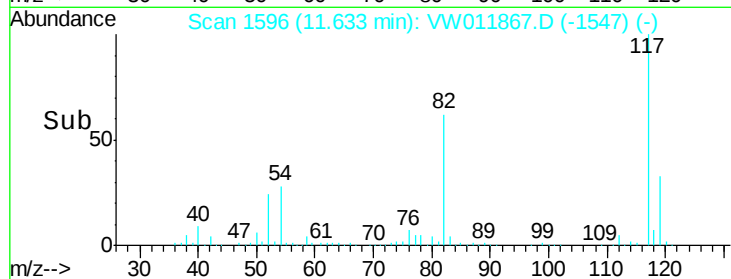
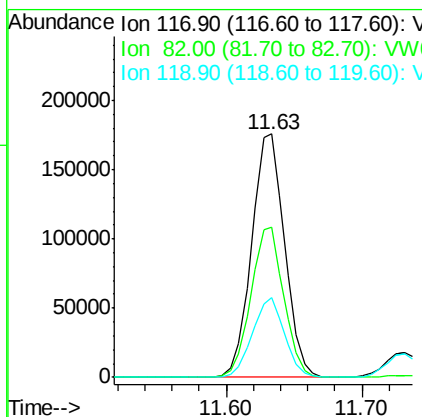
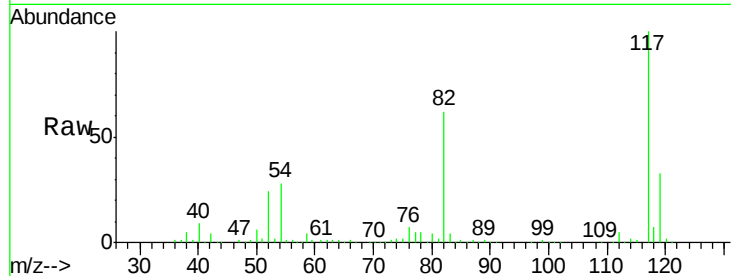
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 298855 |       |       |
| 82      | 61.8  | 47.9   | 71.9  |       |
| 119     | 32.8  | 26.2   | 39.2  |       |

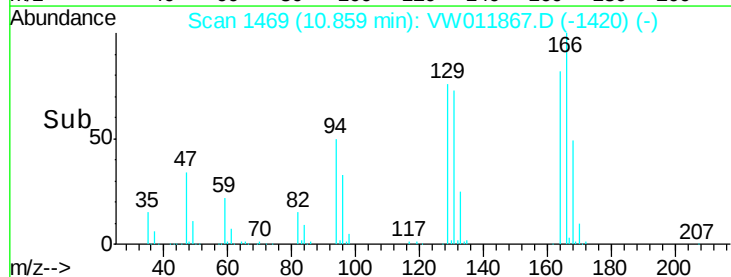
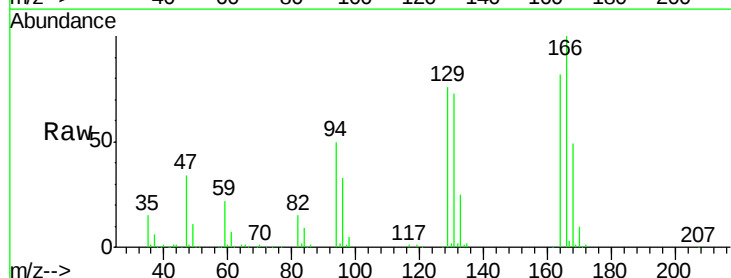
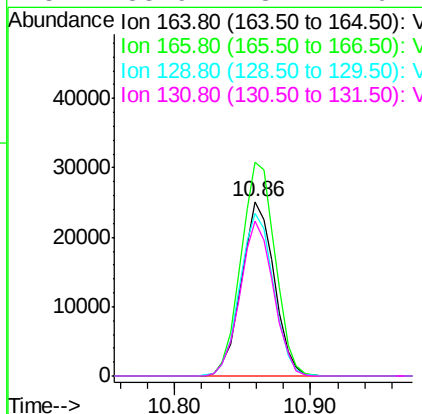
Manual Integrations  
APPROVED

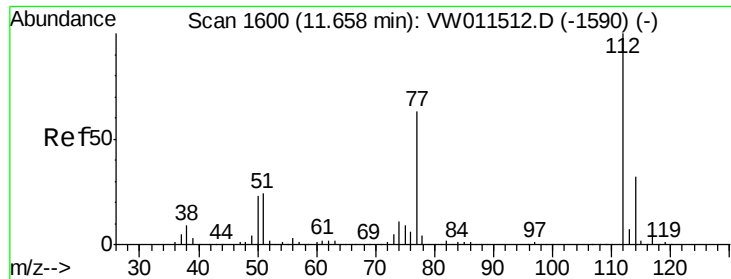
MMDadoda  
8/13/2019 2:36:34 PM



#64  
Tetrachloroethene  
Concen: 21.767 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 42356 |       |       |
| 166     | 122.3 | 103.5 | 155.3 |       |
| 129     | 92.9  | 75.2  | 112.8 |       |
| 131     | 88.9  | 73.4  | 110.2 |       |





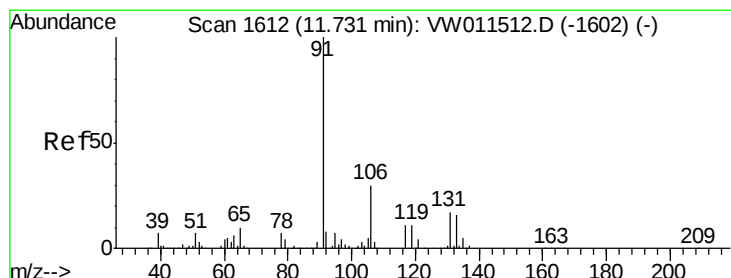
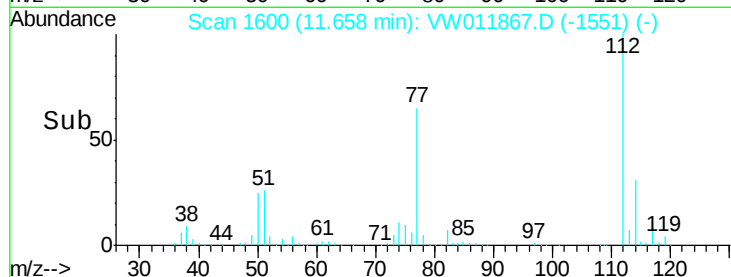
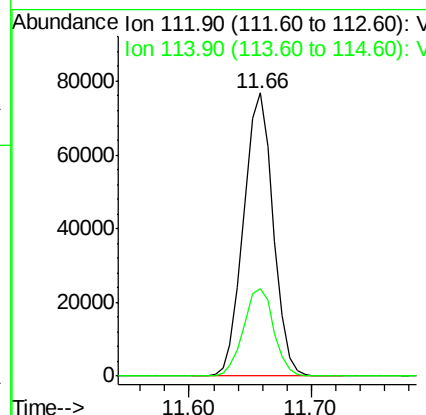
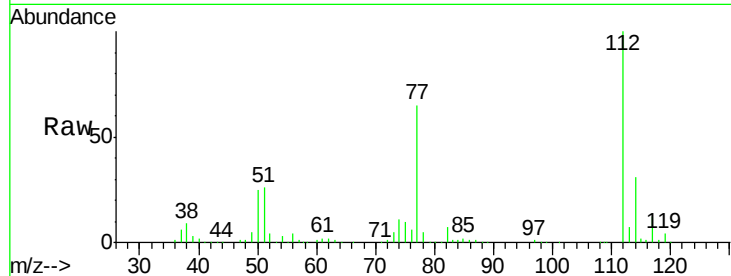
#65  
Chlorobenzene  
Concen: 21.421 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

Tot Ion:112 Resp: 128707  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.6 38.4

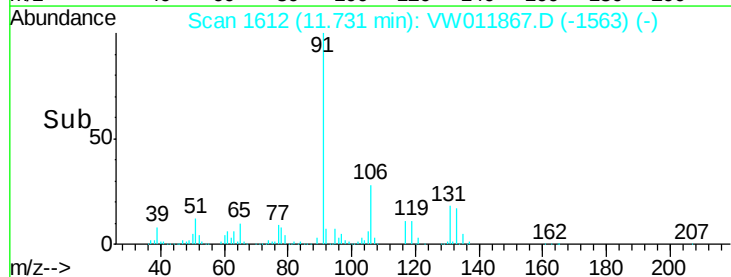
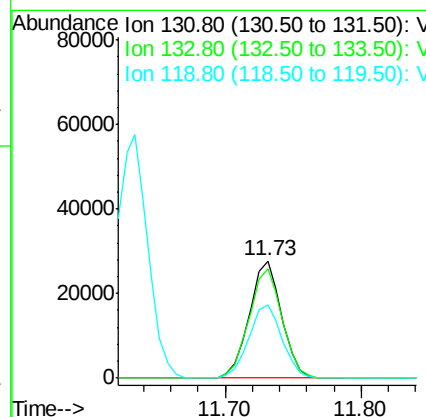
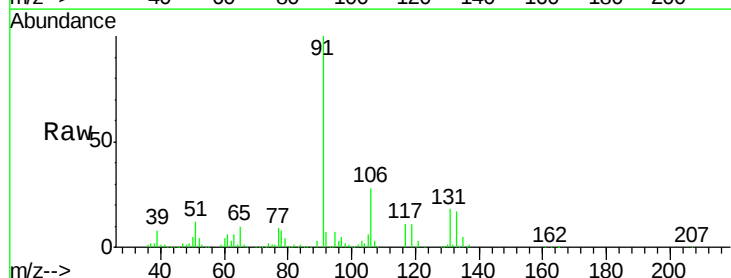
Manual Integrations  
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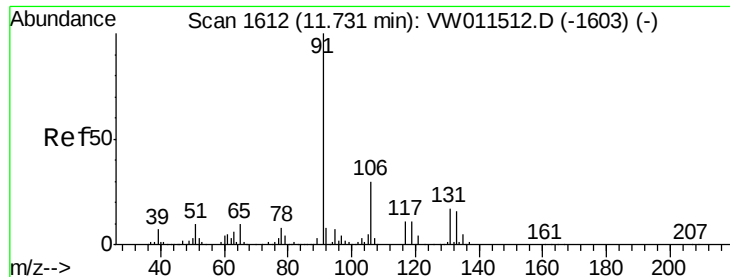
MMDadoda  
8/13/2019 2:36:34 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.932 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Tgt Ion:131 Resp: 45901  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.4 142.2  
119 64.7 32.3 96.9





#67

Ethyl Benzene

Concen: 21.290 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0812SBS03

Tot Ion: 91 Resp: 243624

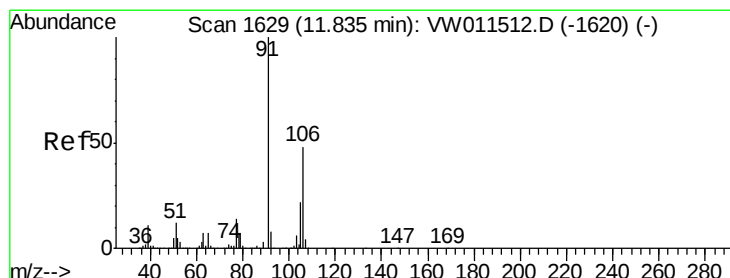
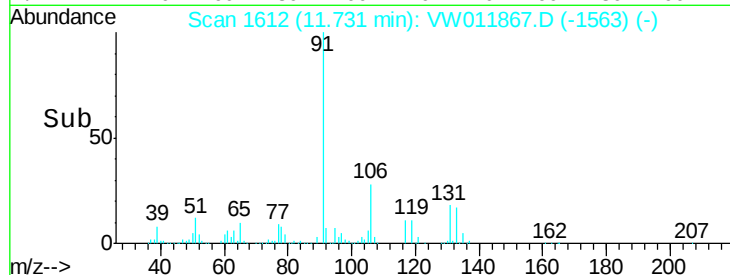
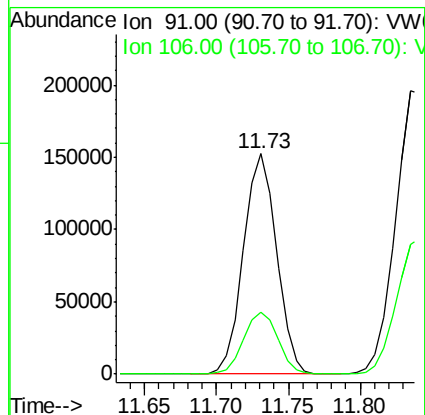
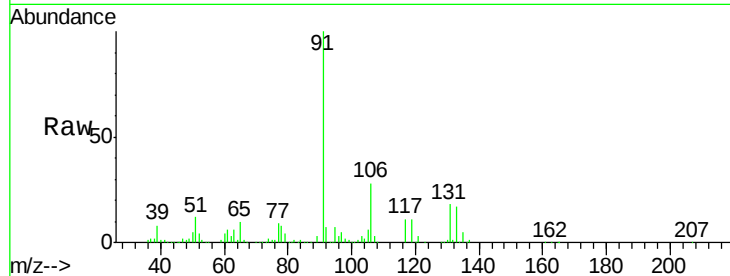
Ion Ratio Lower Upper

91 100

106 28.2 23.8 35.6

Manual Integrations  
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MMDadoda  
8/13/2019 2:36:34 PM



#68

m/p-Xylenes

Concen: 42.262 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011867.D

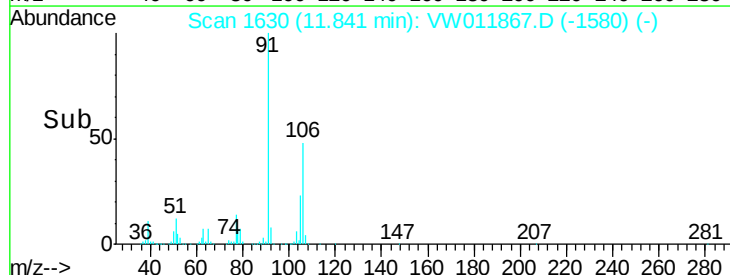
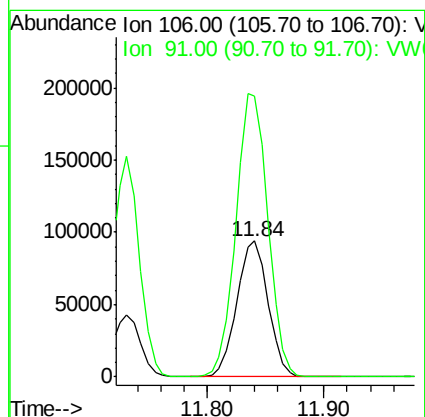
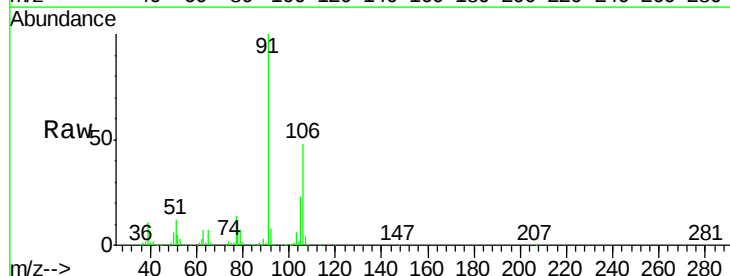
Acq: 12 Aug 2019 23:27

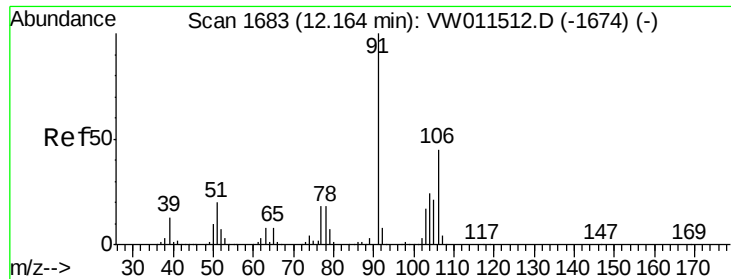
Tgt Ion: 106 Resp: 175874

Ion Ratio Lower Upper

106 100

91 212.5 168.2 252.2





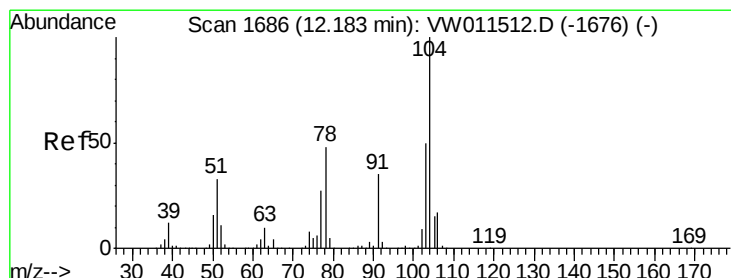
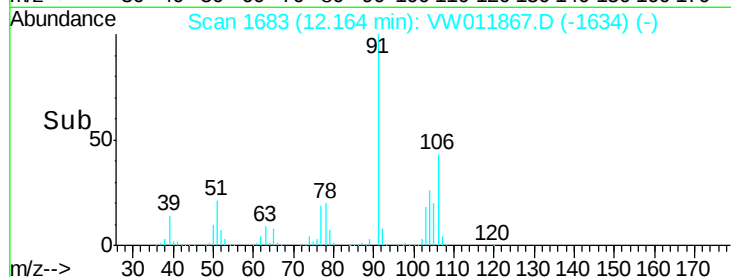
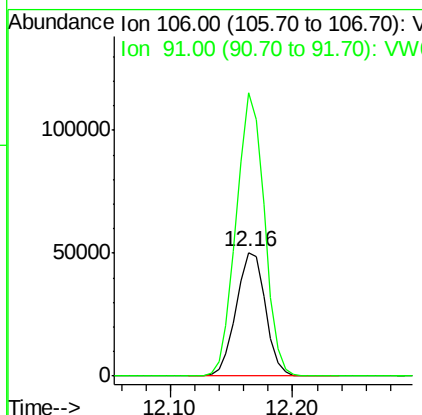
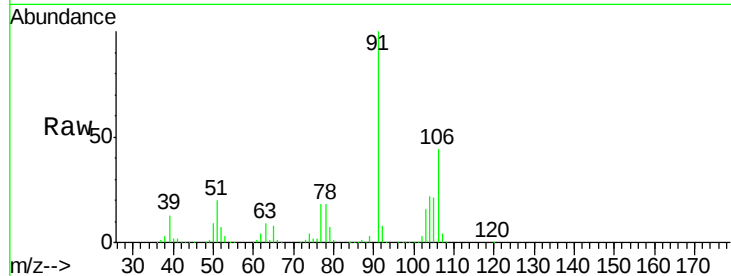
#69  
o-Xylene  
Concen: 21.440 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       | 82912 |       |       |
| 91      | 222.4 | 110.5 | 331.5 |       |       |

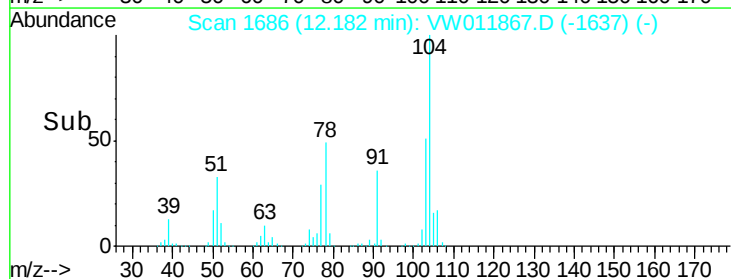
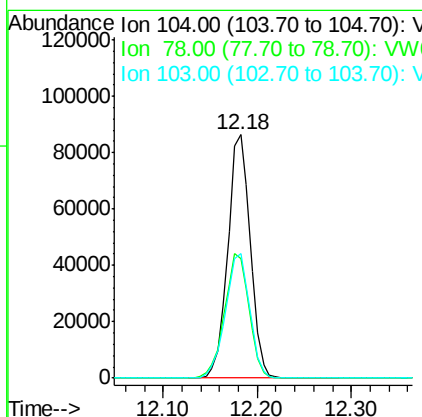
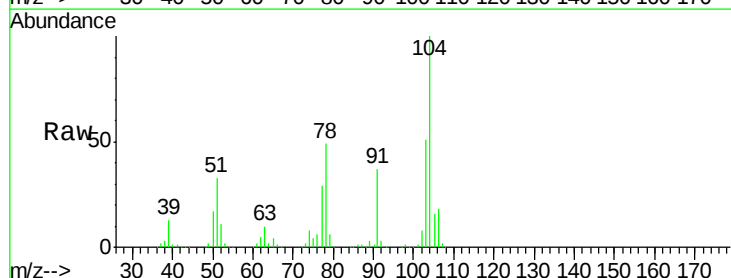
Manual Integrations  
APPROVED

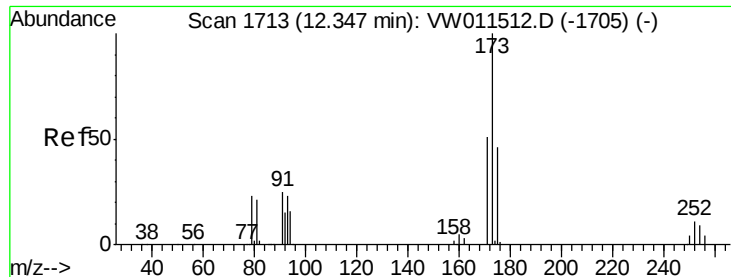
MMDadoda  
8/13/2019 2:36:34 PM



#70  
Styrene  
Concen: 21.321 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 142559 |       |       |
| 78      | 55.5 | 43.4  | 65.0   |       |       |
| 103     | 55.3 | 43.9  | 65.9   |       |       |





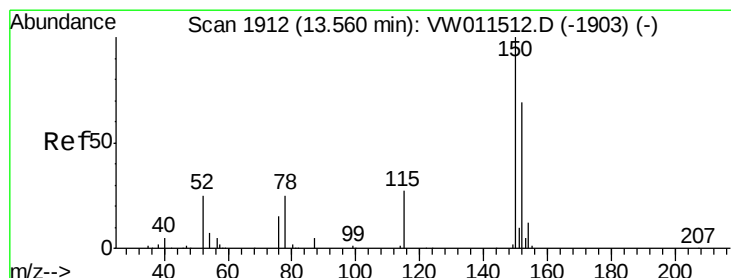
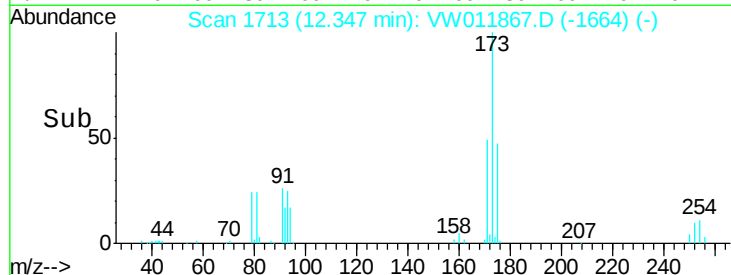
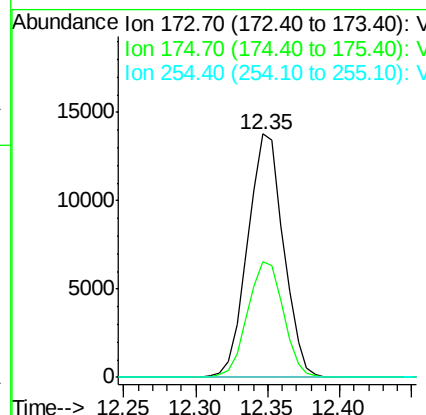
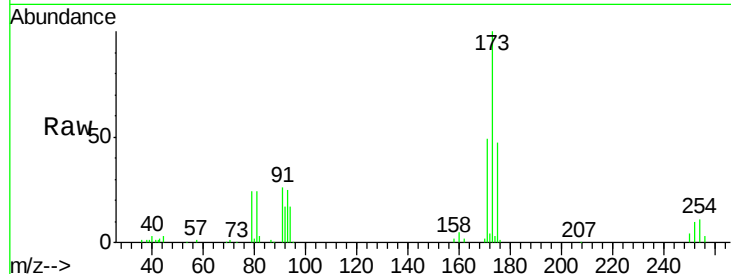
#71  
Bromoform  
Concen: 22.156 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.4  | 23.6  | 71.0  |
| 254     | 0.0   | 0.1   | 0.1#  |

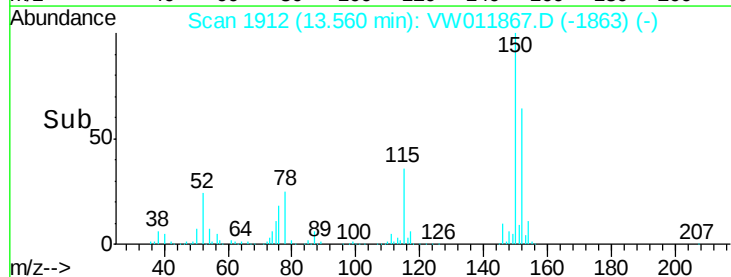
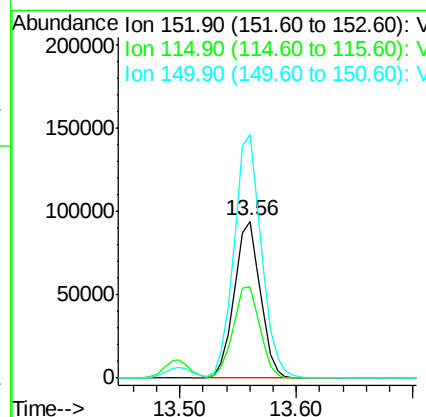
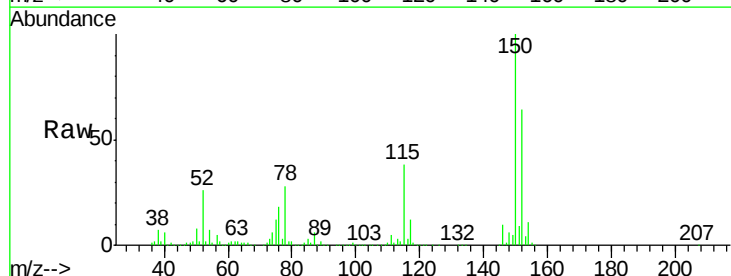
Manual Integrations  
APPROVED

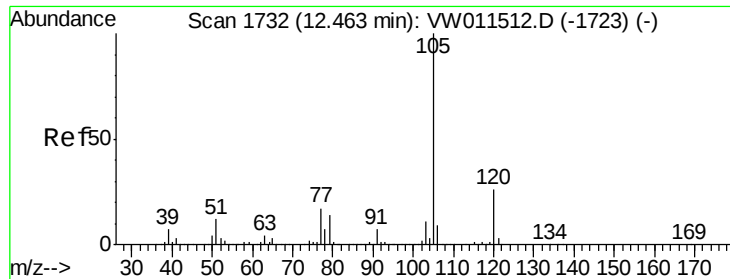
MMDadoda  
8/13/2019 2:36:34 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.3  | 30.5  | 91.5  |
| 150     | 163.7 | 0.0   | 352.6 |





#73

Isopropylbenzene

Concen: 20.876 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0812SBS03

Tot Ion: 105 Resp: 227927

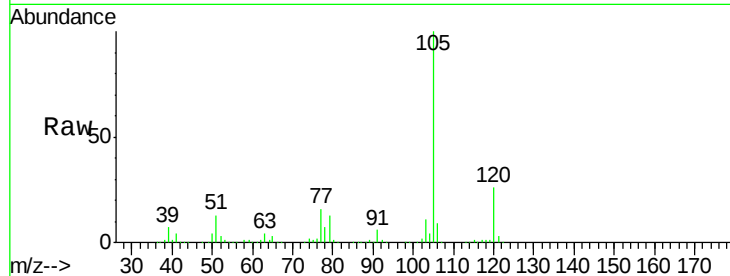
Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7

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8/13/2019 2:36:34 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

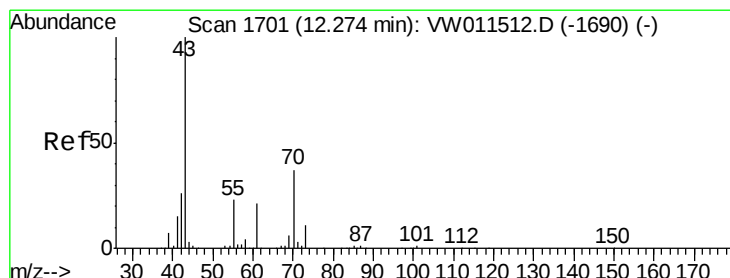
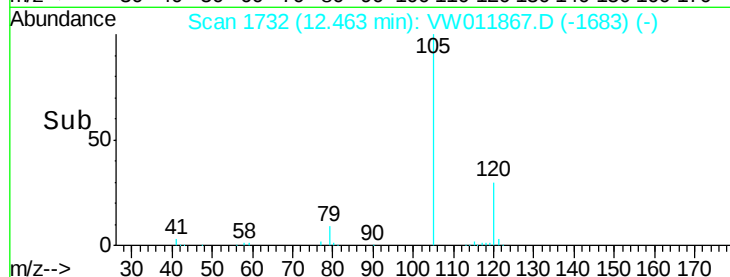
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.106 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Tgt Ion: 43 Resp: 72144

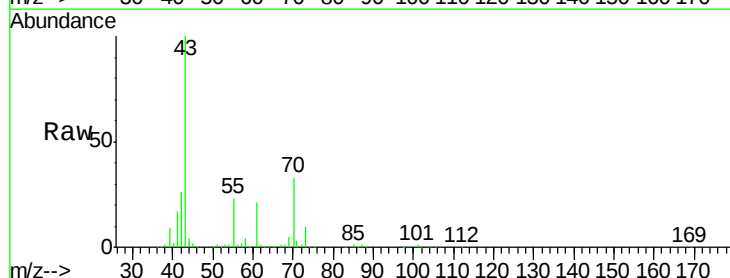
Ion Ratio Lower Upper

43 100

70 34.4 28.6 43.0

55 23.4 17.8 26.8

61 21.0 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

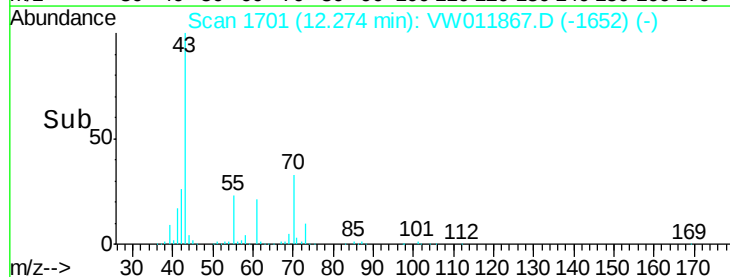
60000

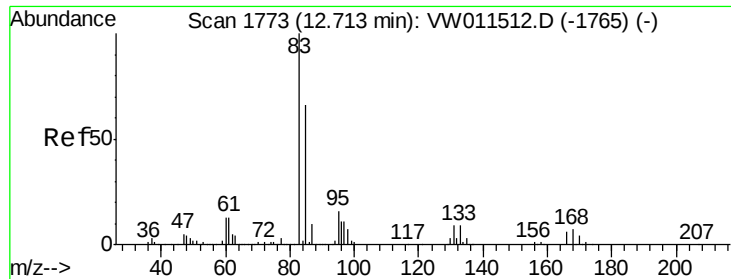
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.161 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

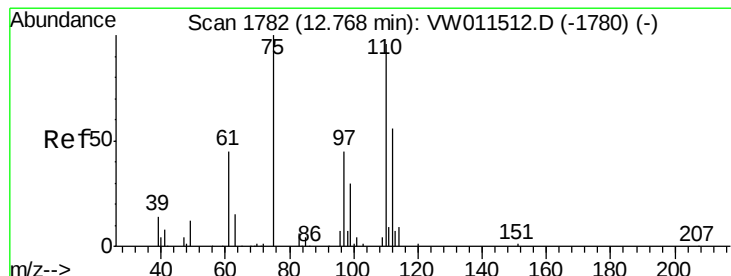
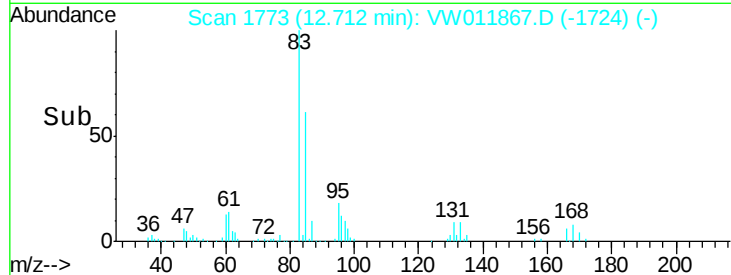
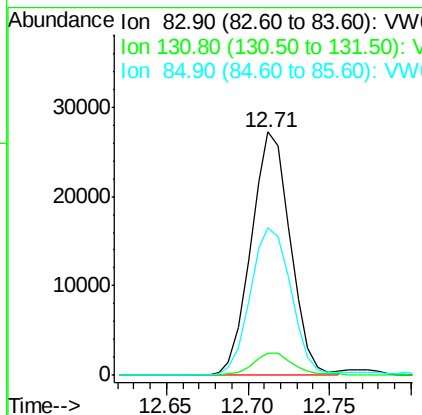
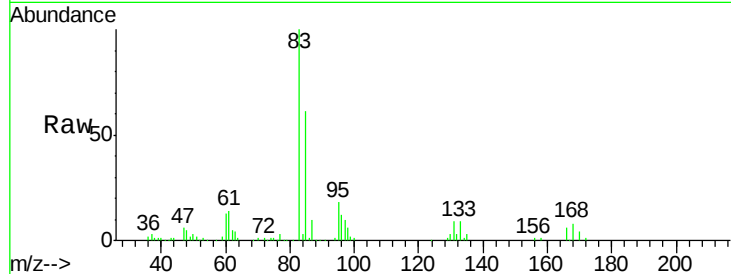
ClientSampleId :

VW0812SBS03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 45512 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.9   | 4.9   | 14.6  |
| 85        | 62.9  | 31.8  | 95.4  |

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#76

1,2,3-Trichloropropane

Concen: 20.684 ug/l m

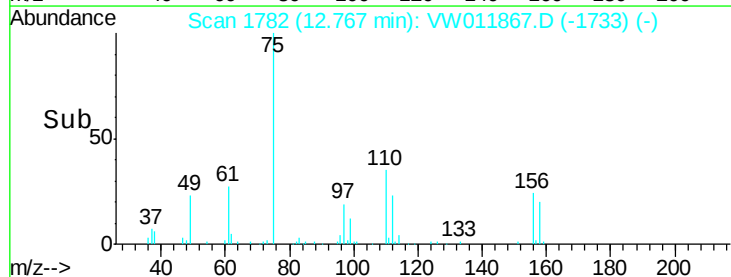
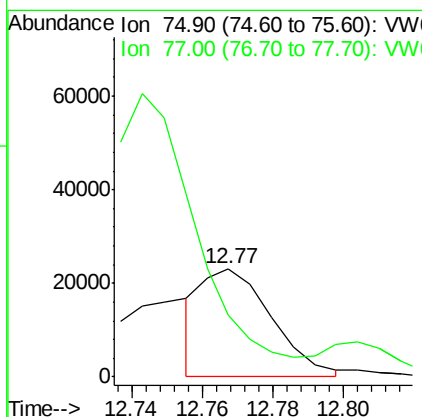
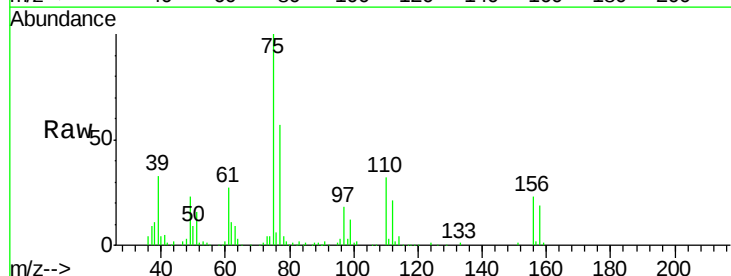
RT: 12.77 min Scan# 1782

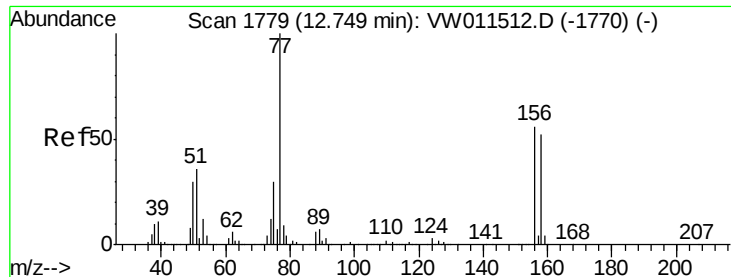
Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 32031 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 21.302 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

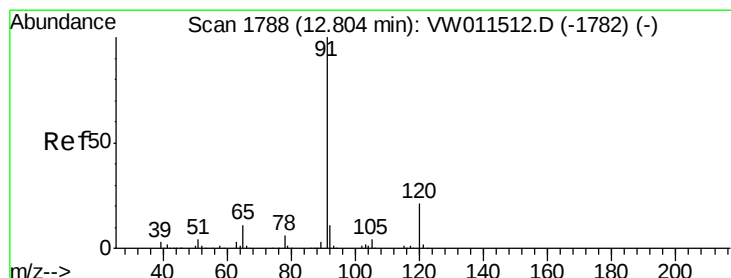
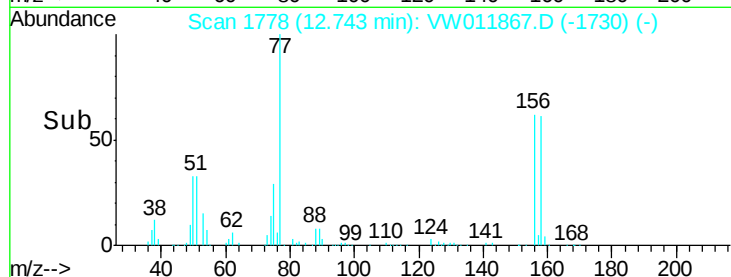
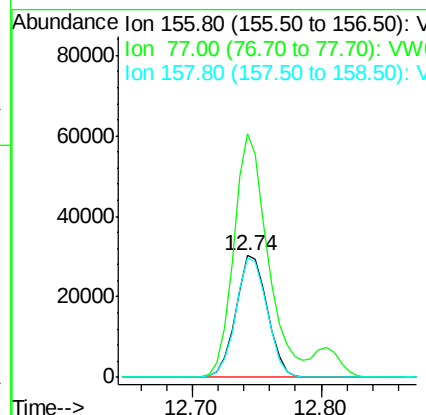
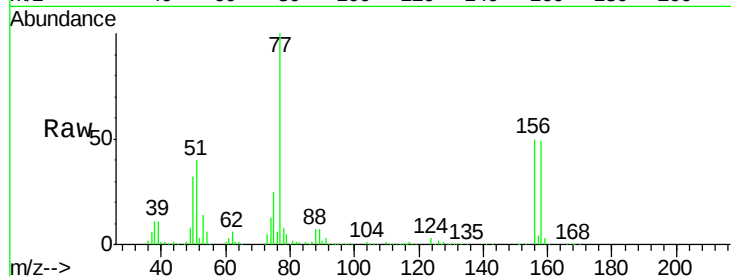
ClientSampleId :

VW0812SBS03

| Tot Ion | 156   | Resp  | 51407 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 156     | 100   |       |       |
| 77      | 216.4 | 106.5 | 319.4 |
| 158     | 97.4  | 48.0  | 144.2 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 20.922 ug/l

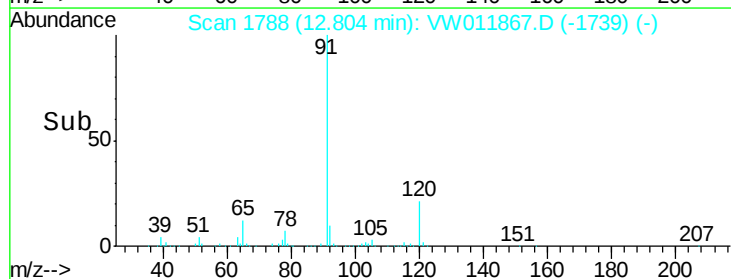
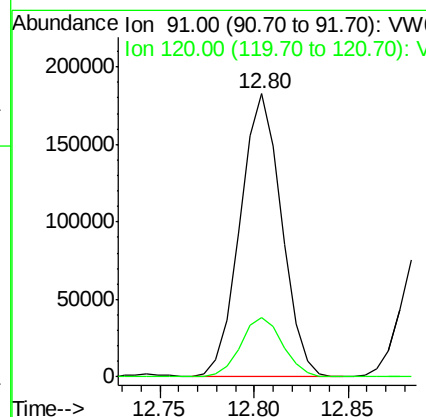
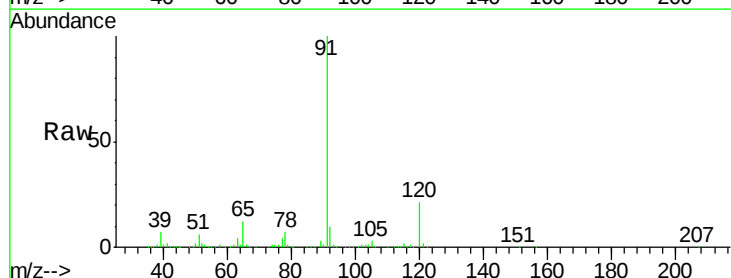
RT: 12.80 min Scan# 1788

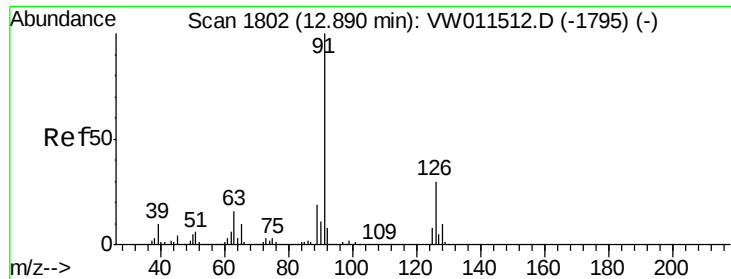
Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

| Tgt Ion | 91    | Resp  | 278003 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 91      | 100   |       |        |
| 120     | 21.3  | 10.9  | 32.7   |





#79

2-Chlorotoluene

Concen: 20.984 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0812SBS03

Tot Ion: 91 Resp: 160630

Ion Ratio Lower Upper

91 100

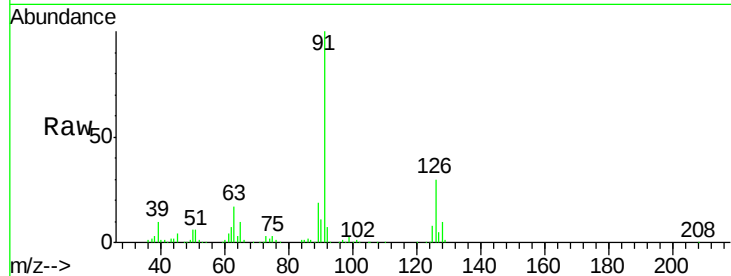
126 31.5 15.7 47.1

Manual Integrations

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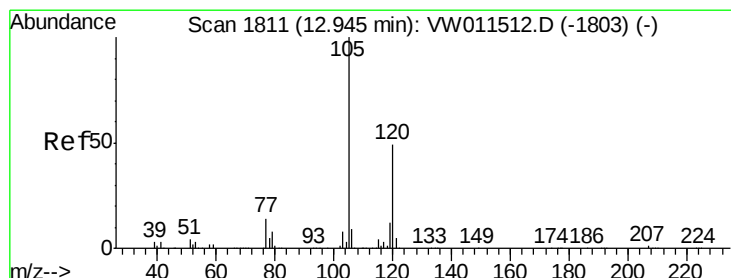
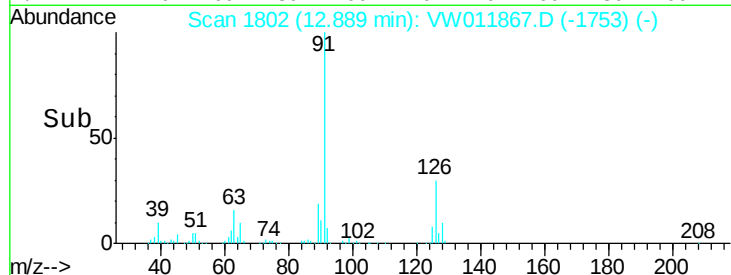
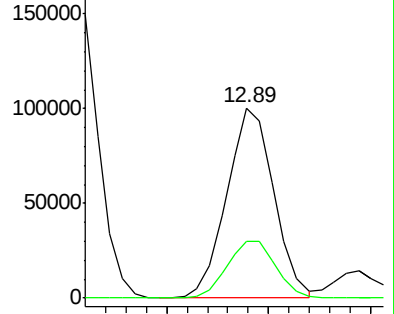
MMDadoda

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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: 21.207 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011867.D

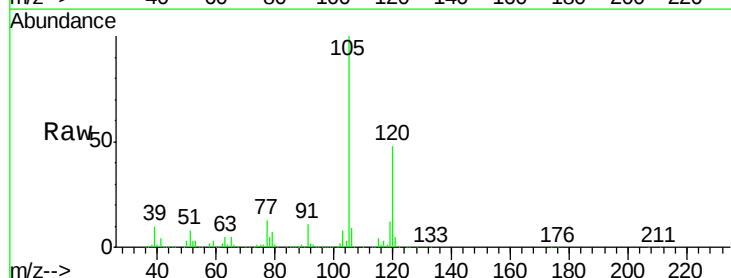
Acq: 12 Aug 2019 23:27

Tgt Ion:105 Resp: 194091

Ion Ratio Lower Upper

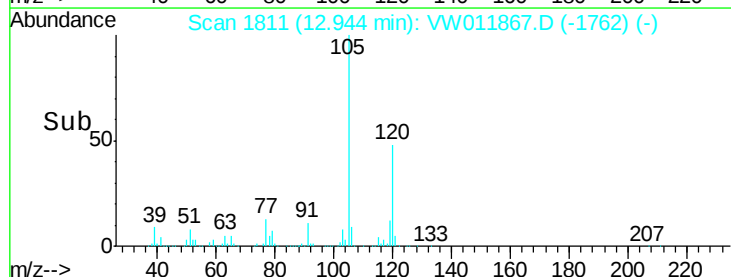
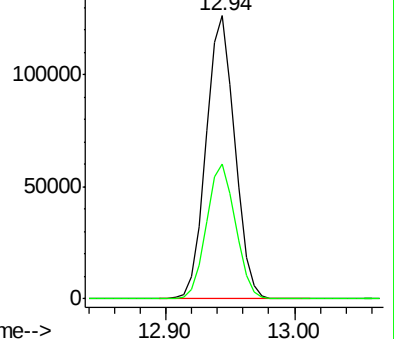
105 100

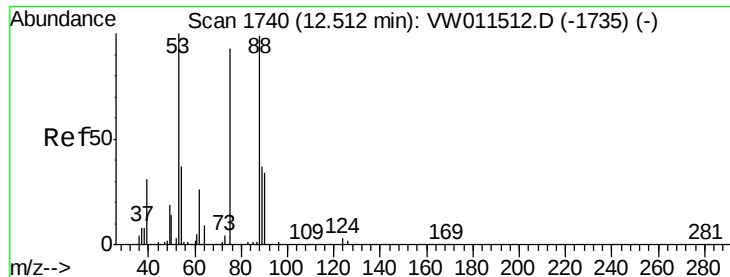
120 48.5 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





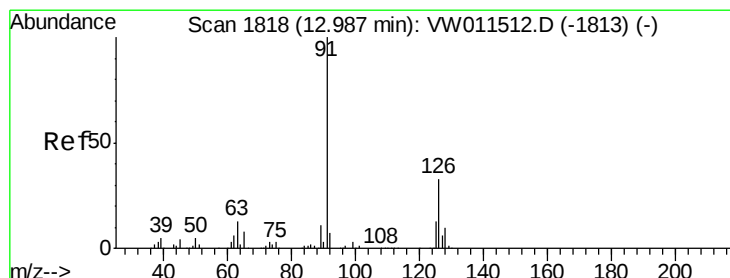
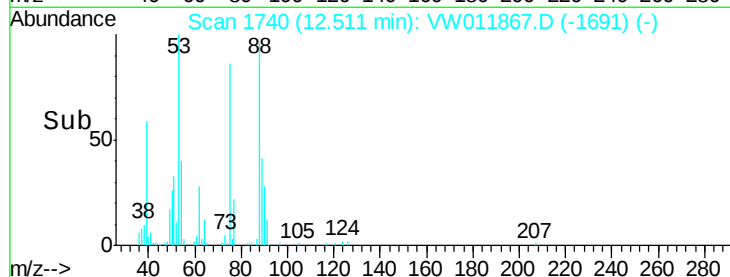
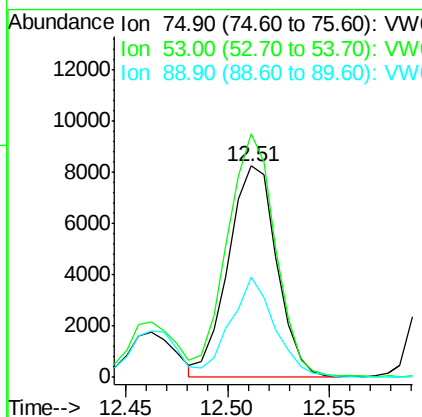
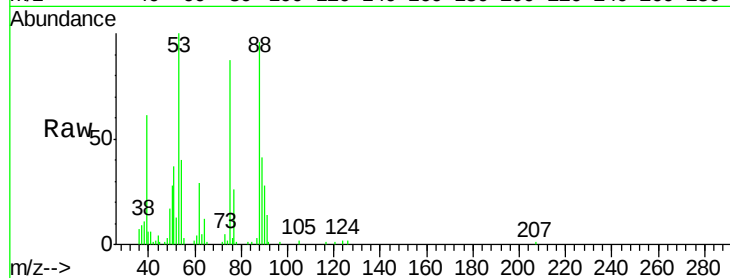
#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.304 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 114.6 | 88.0  | 132.0 |
| 89      | 42.9  | 35.3  | 52.9  |

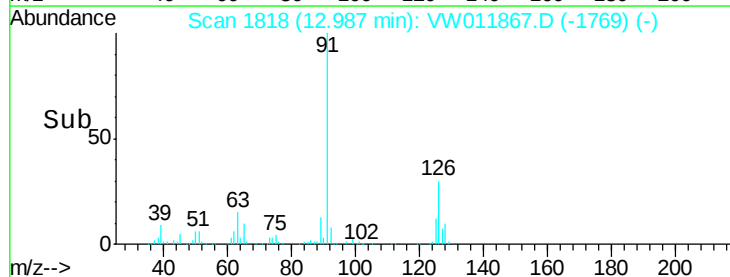
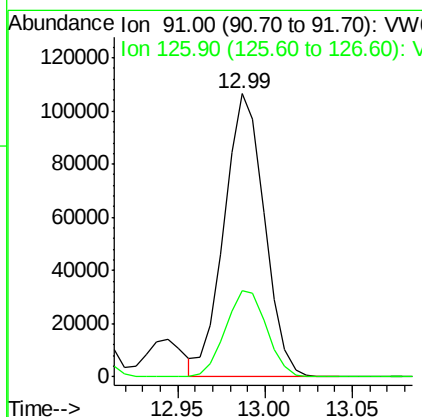
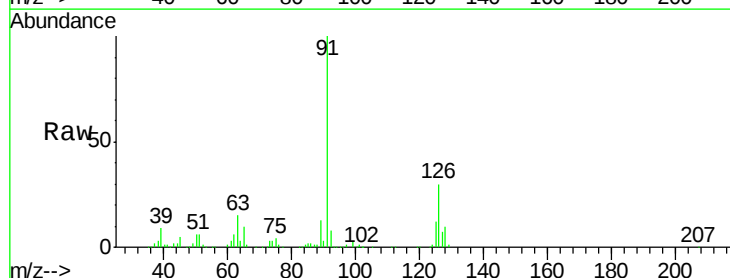
Manual Integrations  
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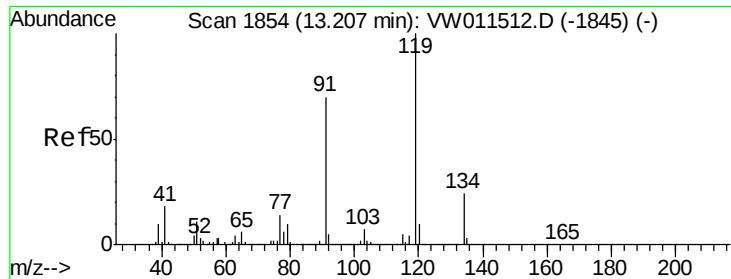
MMDadoda  
8/13/2019 2:36:34 PM



#82  
4-Chlorotoluene  
Concen: 21.117 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.4  | 15.6  | 46.8  |





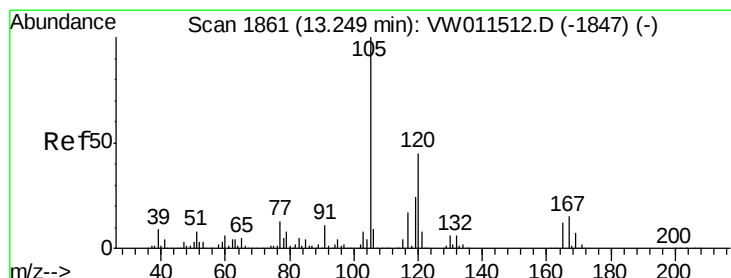
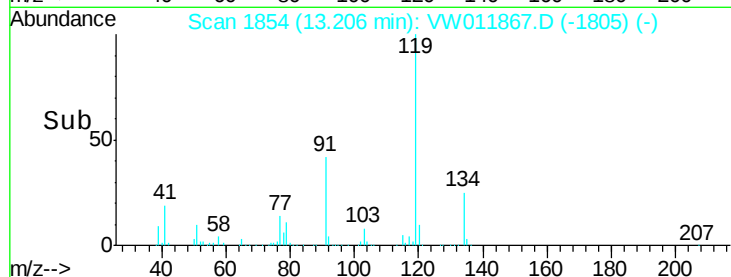
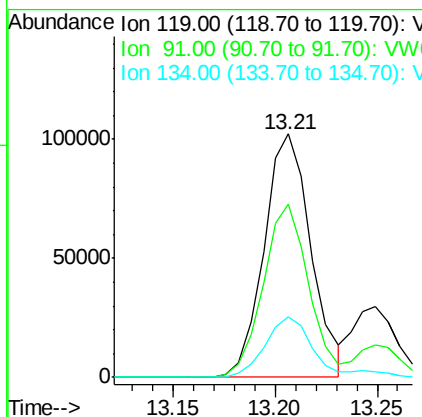
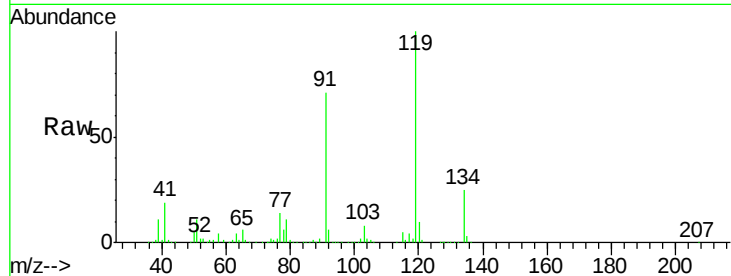
#83  
tert-Butylbenzene  
Concen: 21.385 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 163664 |       |       |
| 91      | 68.8  | 34.5   | 103.6 |       |
| 134     | 24.6  | 12.4   | 37.4  |       |

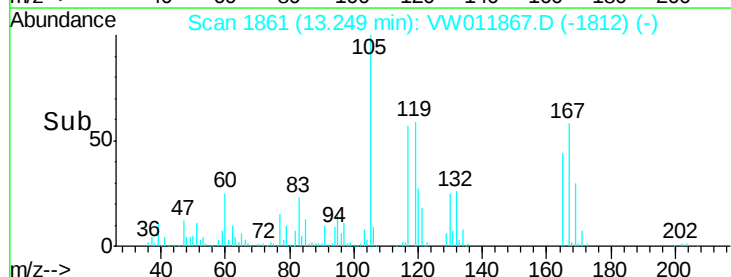
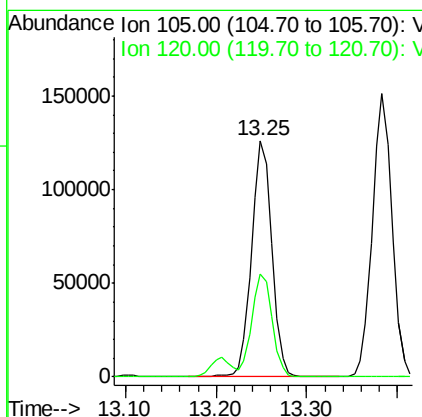
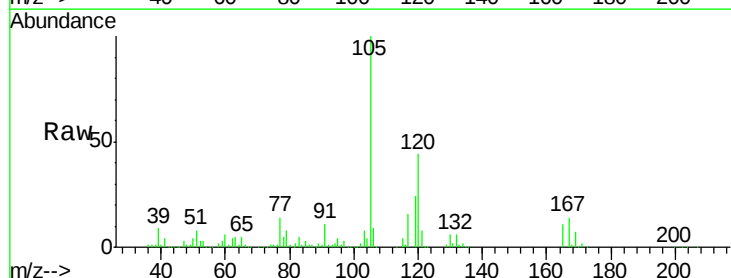
Manual Integrations  
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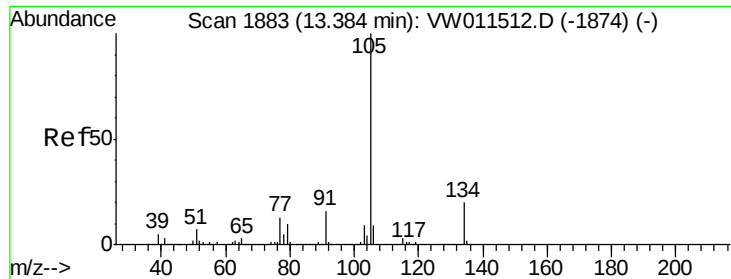
MMDadoda  
8/13/2019 2:36:34 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 21.237 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 195793 |       |       |
| 120     | 43.6  | 22.1   | 66.5  |       |





#85

sec-Butylbenzene

Concen: 20.792 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0812SBS03

Tot Ion:105 Resp: 227057

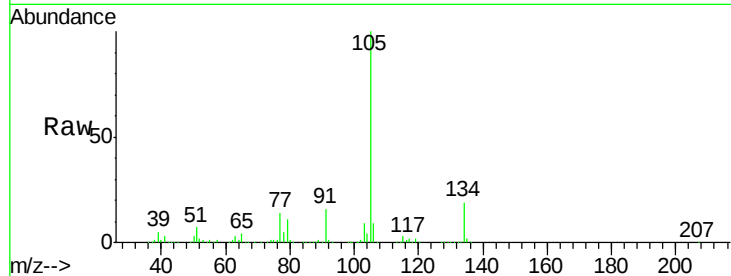
Ion Ratio Lower Upper

105 100

134 19.9 9.7 29.1

Manual Integrations  
APPROVED

MMDadoda  
8/13/2019 2:36:34 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

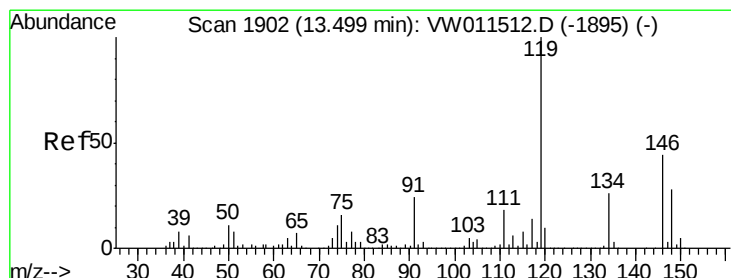
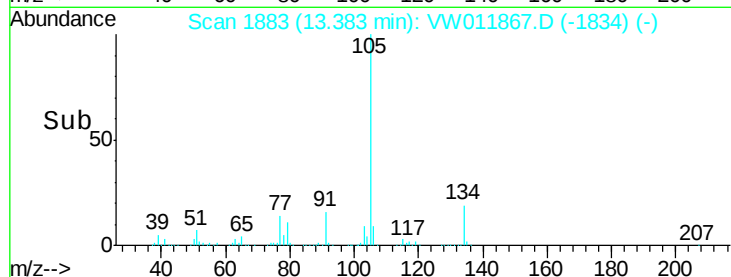
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 20.888 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

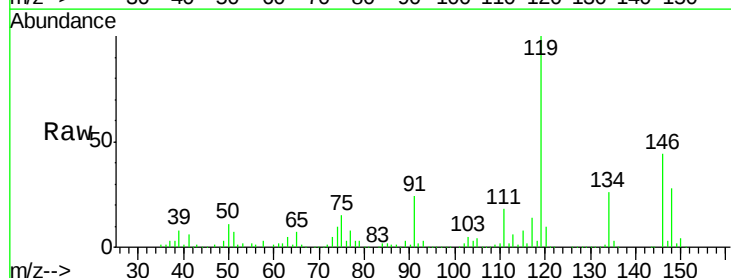
Tgt Ion:119 Resp: 206966

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.4 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

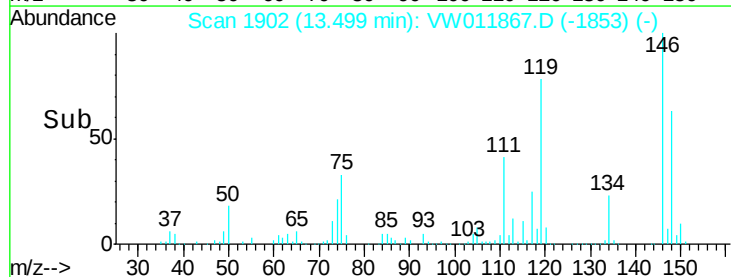
150000

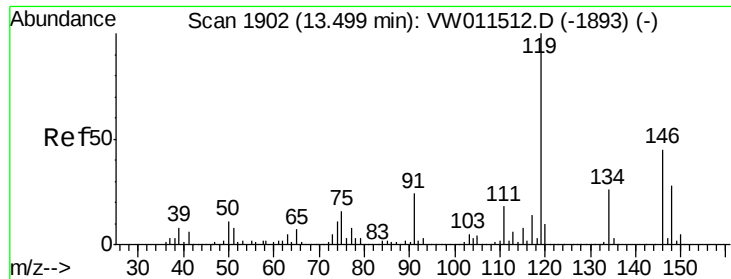
100000

50000

0

Time--> 13.45 13.50 13.55





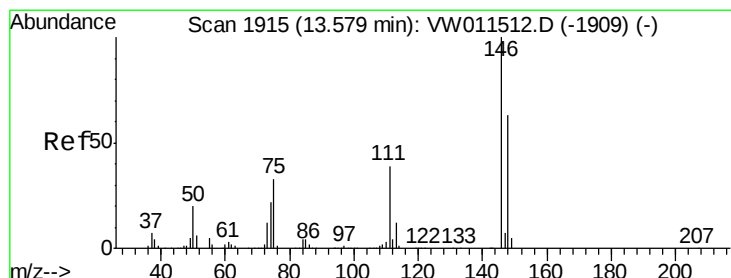
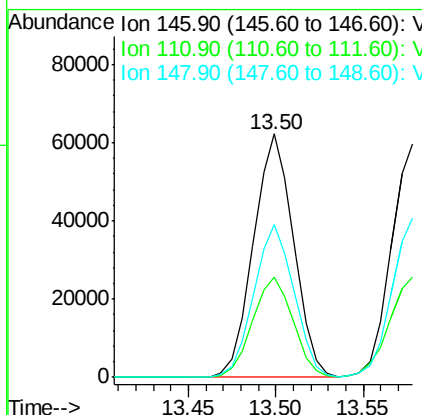
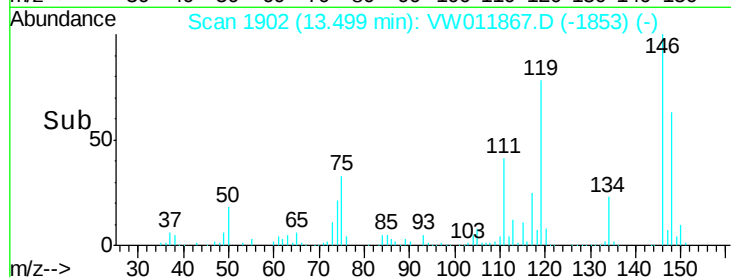
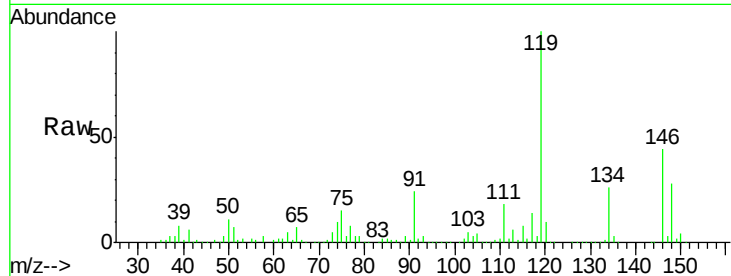
#87  
 1,3-Dichlorobenzene  
 Concen: 20.918 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0812SBS03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.7  | 20.5  | 61.6  |
| 148     | 63.0  | 31.8  | 95.3  |

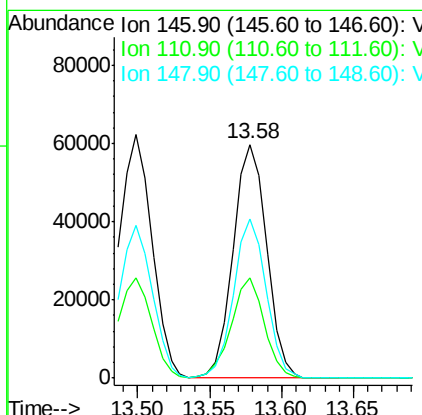
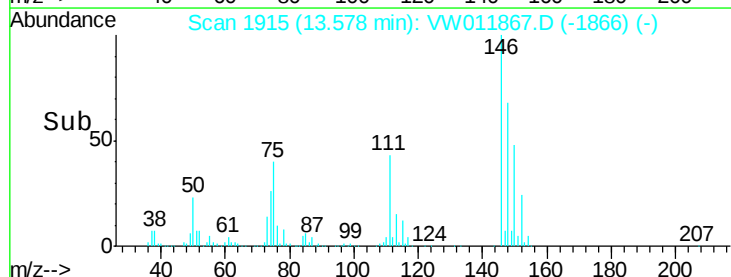
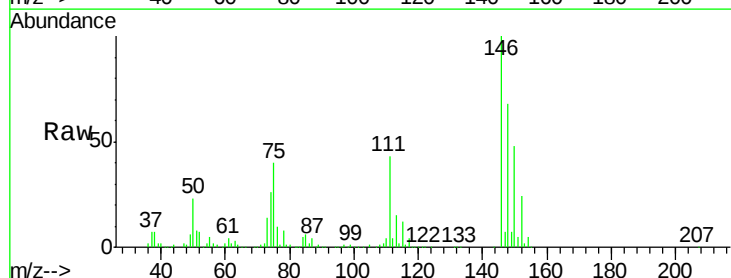
Manual Integrations  
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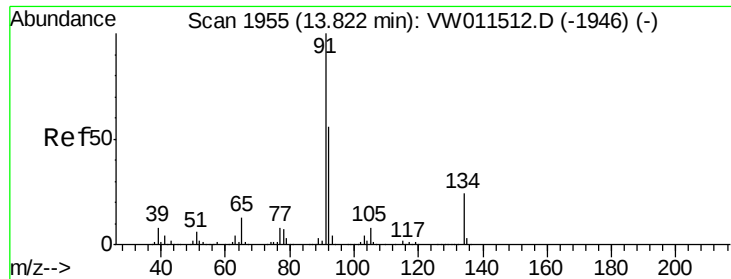
MMDadoda  
 8/13/2019 2:36:34 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.614 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.6  | 20.1  | 60.2  |
| 148     | 66.2  | 31.9  | 95.9  |





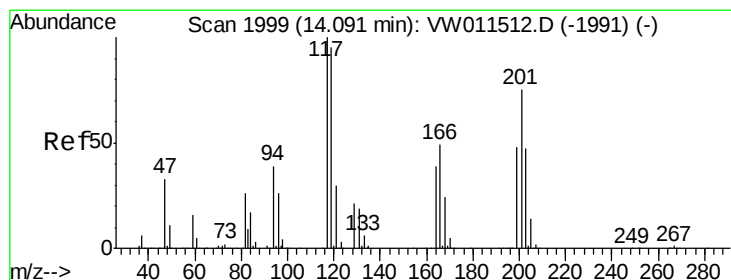
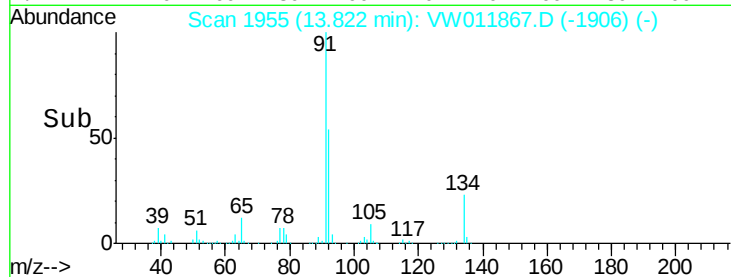
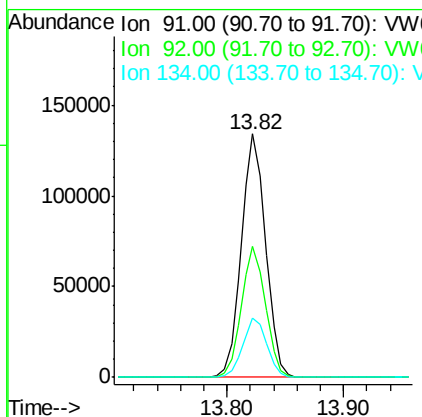
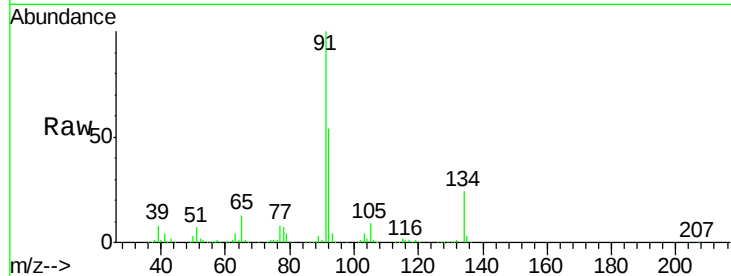
#89  
n-Butylbenzene  
Concen: 19.729 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0812SBS03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 195081 |       |       |
| 92      | 53.4  |        | 27.5  | 82.4  |
| 134     | 24.2  |        | 12.2  | 36.6  |

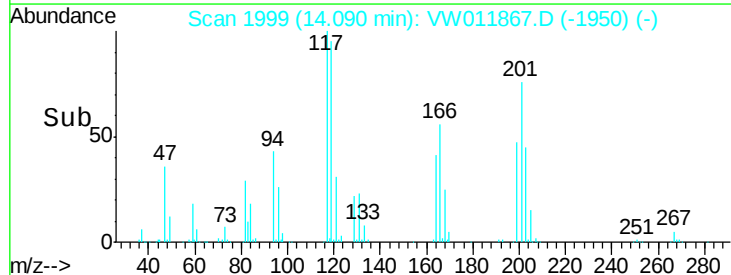
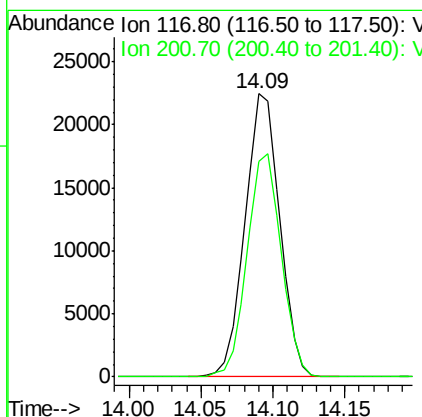
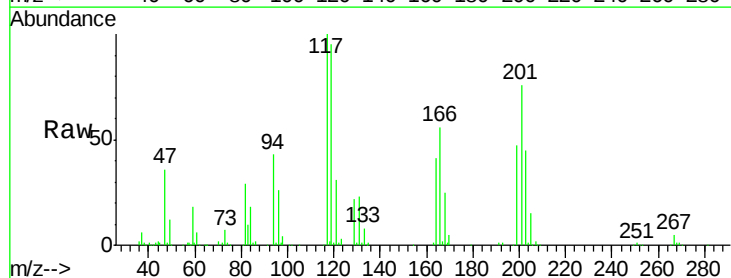
Manual Integrations  
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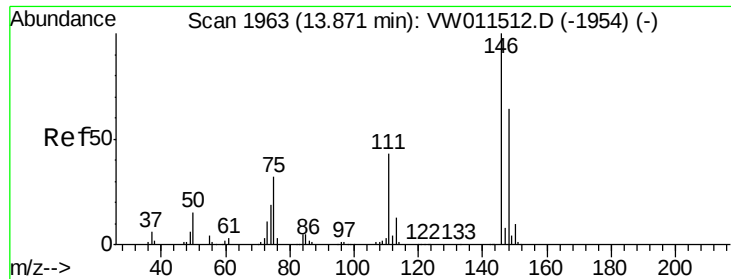
MMDadoda  
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#90  
Hexachloroethane  
Concen: 21.340 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: VW011867.D  
Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 37388 |       |       |
| 201     | 77.7  |       | 39.4  | 118.2 |





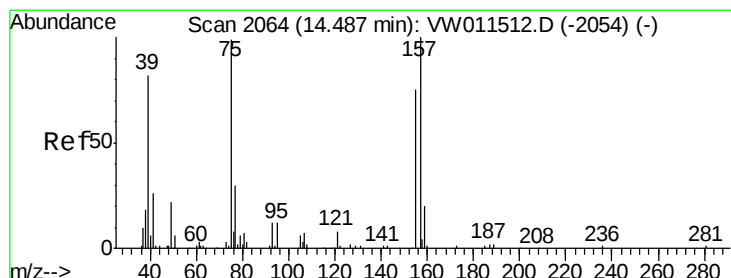
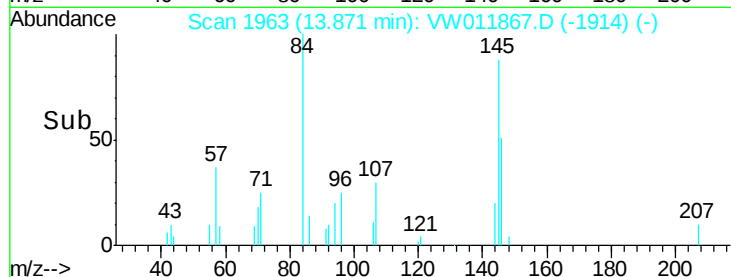
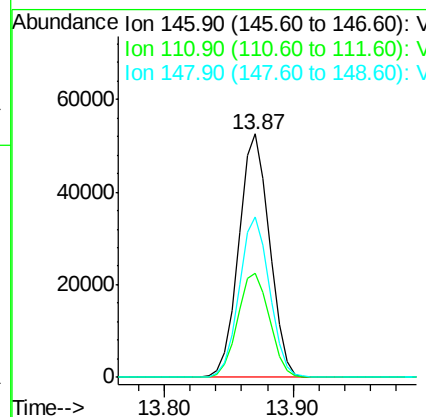
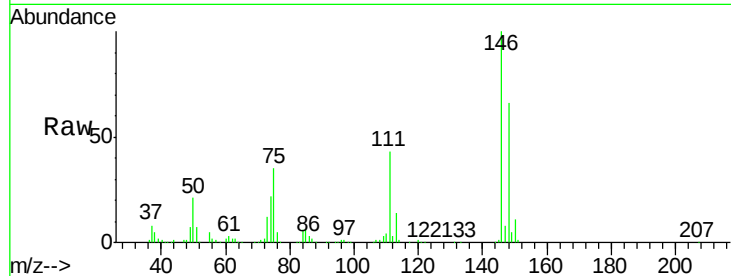
#91  
 1,2-Dichlorobenzene  
 Concen: 20.741 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0812SBS03

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 146     | 100   | 86801 |       |       |
| 111     | 44.1  | 21.6  | 65.0  |       |
| 148     | 65.0  | 32.0  | 96.2  |       |

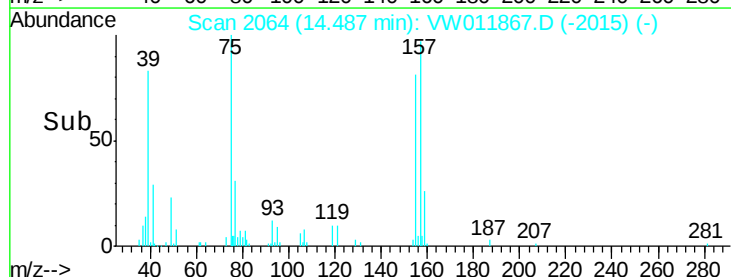
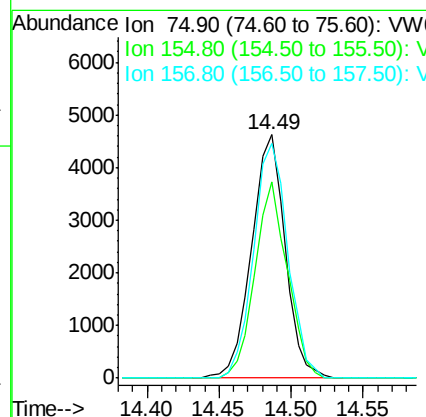
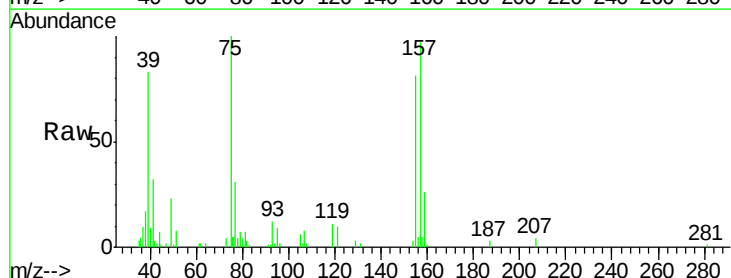
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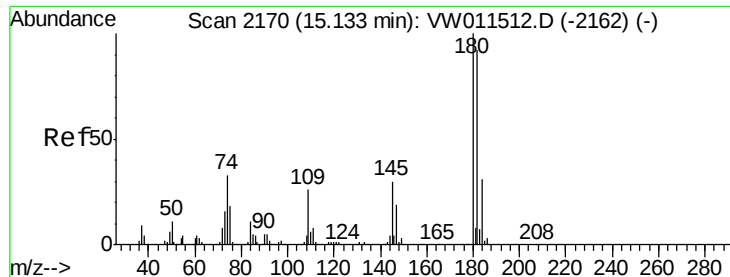
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.302 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW011867.D  
 Acq: 12 Aug 2019 23:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   | 7460 |       |       |
| 155     | 77.9  | 38.2 | 114.6 |       |
| 157     | 98.1  | 48.9 | 146.7 |       |





#93

1,2,4-Trichlorobenzene

Concen: 19.509 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

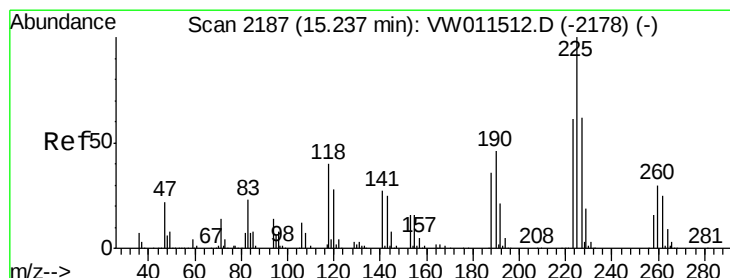
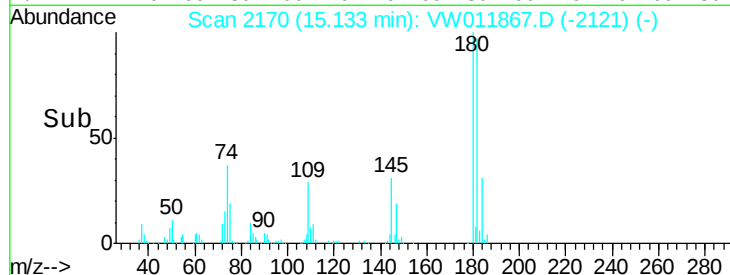
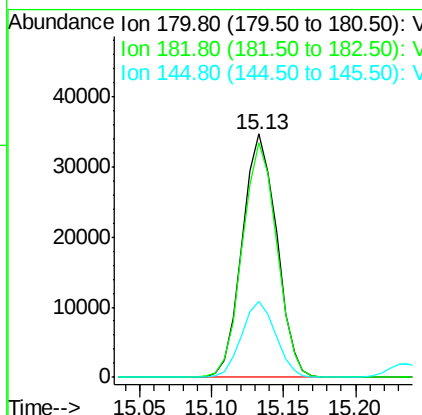
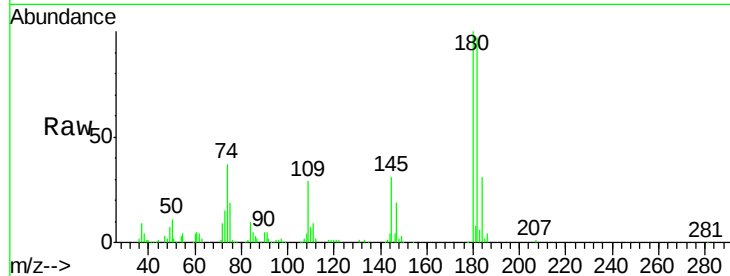
ClientSampleId :

VW0812SBS03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 57542 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.4  | 47.4  | 142.2 |
| 145       | 31.1  | 15.4  | 46.1  |

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#94

Hexachlorobutadiene

Concen: 20.681 ug/l

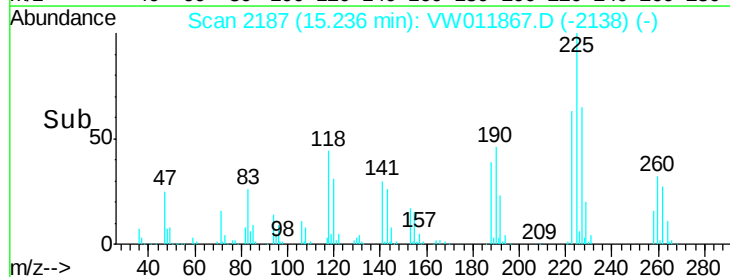
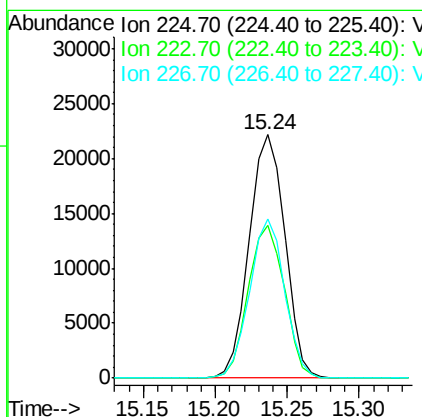
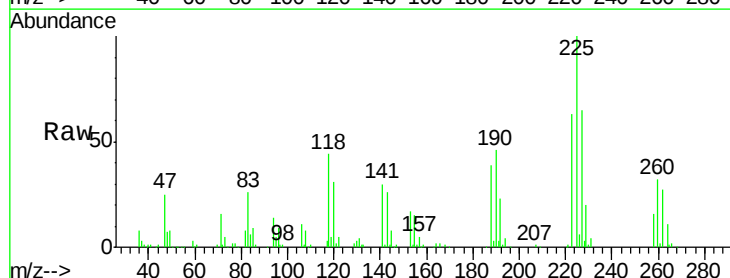
RT: 15.24 min Scan# 2187

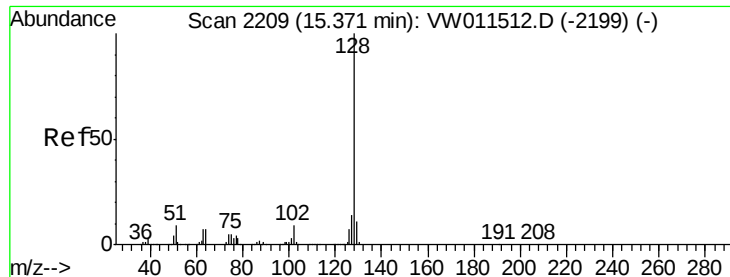
Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 38039 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.4  | 30.8  | 92.3  |
| 227       | 64.1  | 31.6  | 94.7  |





#95

Naphthalene

Concen: 20.276 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA\_W

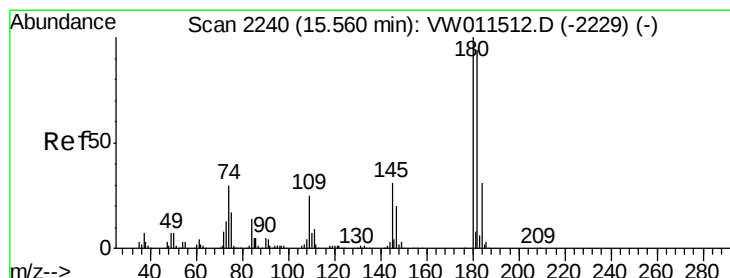
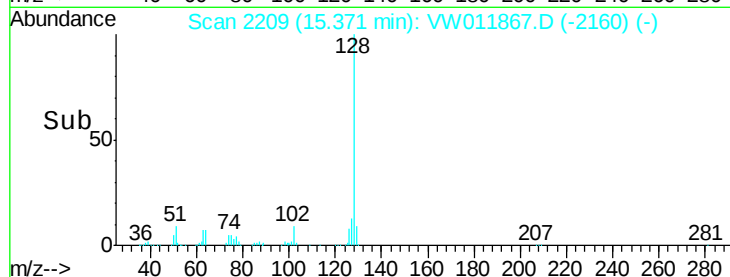
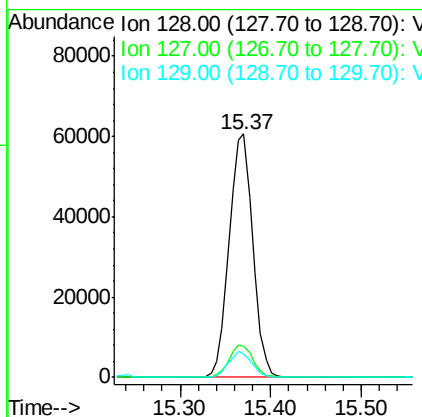
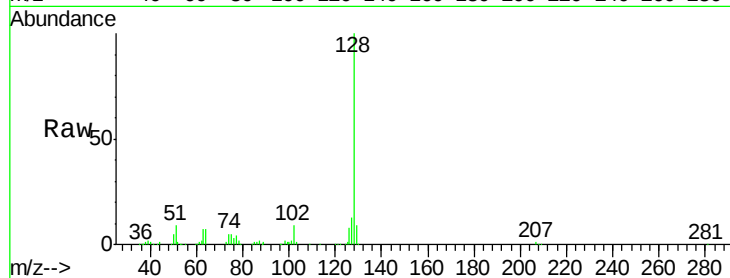
ClientSampleId :

VW0812SBS03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 109744 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.4  | 10.6  | 16.0   |
| 129       | 10.4  | 8.6   | 13.0   |

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#96

1,2,3-Trichlorobenzene

Concen: 20.244 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 52338 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.8  | 47.4  | 142.2 |
| 145       | 32.4  | 15.9  | 47.7  |

