

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081019\  
 Data File : VW011800.D  
 Acq On : 09 Aug 2019 05:48  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 8/9/2019 10:55:06 AM

Quant Time: Aug 09 06:41:32 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  | 3590     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 7698     | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 11262    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 6736     | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |          |      |
|---------------------------|--------|-----|----------|--------|----------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 29865    | 724.47 | ug/l     | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 1448.94% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 7892     | 182.74 | ug/l     | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 365.48%  |      |
| 50) Toluene-d8            | 10.32  | 98  | 10600    | 59.95  | ug/l     | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 119.90%  |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 8216     | 130.33 | ug/l     | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 260.66%  |      |

## Target Compounds

|                               |      |     |        |           | Qvalue    |
|-------------------------------|------|-----|--------|-----------|-----------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 196    | 9.796     | ug/l 79   |
| 3) Chloromethane              | 2.20 | 50  | 1781   | 51.335    | ug/l 91   |
| 4) Vinyl Chloride             | 2.35 | 62  | 679    | 16.256    | ug/l 89   |
| 5) Bromomethane               | 2.73 | 94  | 1937   | 83.782    | ug/l 81   |
| 6) Chloroethane               | 2.90 | 64  | 1018   | 42.667    | ug/l # 60 |
| 7) Trichlorofluoromethane     | 3.24 | 101 | 247    | 13.232    | ug/l # 19 |
| 8) Diethyl Ether              | 3.67 | 74  | 17113  | 808.559   | ug/l 97   |
| 9) 1,1,2-Trichlorotrifluoroet | 4.05 | 101 | 669    | 18.893    | ug/l # 83 |
| 10) Methyl Iodide             | 4.27 | 142 | 4379   | 87.507    | ug/l # 89 |
| 11) Tert butyl alcohol        | 5.17 | 59  | 40725  | 14395.280 | ug/l 99   |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 966    | 25.837    | ug/l 83   |
| 13) Acrolein                  | 3.89 | 56  | 28678  | 9695.430  | ug/l 97   |
| 14) Allyl chloride            | 4.65 | 41  | 6526m  | 82.066    | ug/l      |
| 15) Acrylonitrile             | 5.36 | 53  | 139995 | 13250.512 | ug/l 99   |
| 16) Acetone                   | 4.12 | 43  | 143299 | 10928.009 | ug/l 95   |
| 17) Carbon Disulfide          | 4.37 | 76  | 2045   | 17.476    | ug/l # 80 |
| 18) Methyl Acetate            | 4.67 | 43  | 87989  | 2986.911  | ug/l 96   |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 60642  | 1022.100  | ug/l 97   |
| 20) Methylene Chloride        | 4.91 | 84  | 12199  | 269.745   | ug/l 91   |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 1716   | 42.571    | ug/l 92   |
| 22) Diisopropyl ether         | 6.31 | 45  | 52082  | 347.383   | ug/l 94   |
| 23) Vinyl Acetate             | 6.25 | 43  | 377605 | 4008.233  | ug/l 100  |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 7947   | 98.971    | ug/l # 93 |
| 25) 2-Butanone                | 7.17 | 43  | 218910 | 12757.921 | ug/l 99   |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 2067   | 41.858    | ug/l 91   |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 6242   | 140.702   | ug/l 99   |
| 28) Bromochloromethane        | 7.51 | 49  | 21277  | 596.990   | ug/l 93   |
| 29) Tetrahydrofuran           | 7.53 | 42  | 140528 | 14327.767 | ug/l 99   |
| 30) Chloroform                | 7.67 | 83  | 11075  | 149.503   | ug/l 97   |
| 31) Cyclohexane               | 7.95 | 56  | 1174   | 15.232    | ug/l # 78 |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 2084   | 36.940    | ug/l 97   |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 1643   | 20.526    | ug/l # 88 |
| 37) Ethyl Acetate             | 7.25 | 43  | 82677  | 1795.292  | ug/l 98   |
| 38) Carbon Tetrachloride      | 8.06 | 117 | 1220   | 17.804    | ug/l # 76 |

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 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 8/9/2019 10:55:06 AM

Quant Time: Aug 09 06:41:32 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   | 837      | 9.496     | ug/l # | 71       |
| 40) Benzene                    | 8.32  | 78   | 14752    | 65.795    | ug/l   | 96       |
| 41) Methacrylonitrile          | 7.48  | 41   | 49561    | 1800.342  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 38035    | 541.829   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 119927   | 1416.012  | ug/l # | 92       |
| 44) Trichloroethene            | 9.09  | 130  | 4678     | 86.809    | ug/l   | 91       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 10891    | 181.543   | ug/l   | 100      |
| 46) Dibromomethane             | 9.46  | 93   | 17977    | 656.545   | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.65  | 83   | 16402    | 228.362   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.43  | 41   | 57953    | 1424.484  | ug/l   | 94       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 20698    | 52206.738 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 404975   | 9192.867  | ug/l   | 100      |
| 52) Toluene                    | 10.38 | 92   | 6662     | 49.202    | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 28999    | 386.506   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 21095    | 236.468   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 26448    | 680.774   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 54524    | 959.091   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 45071    | 613.211   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 167086   | 6473.180  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 296497   | 9532.317  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 20289    | 470.480   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 28404    | 772.583   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.86 | 164  | 5839     | 79.629    | ug/l   | 91       |
| 65) Chlorobenzene              | 11.66 | 112  | 11275    | 49.797    | ug/l   | 90       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 7523     | 95.388    | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.73 | 91   | 8646     | 20.050    | ug/l   | 95       |
| 68) m/p-Xylenes                | 11.83 | 106  | 6757     | 43.087    | ug/l   | 95       |
| 69) o-Xylene                   | 12.16 | 106  | 5098     | 34.983    | ug/l   | 95       |
| 70) Styrene                    | 12.18 | 104  | 13237    | 52.535    | ug/l   | 96       |
| 71) Bromoform                  | 12.35 | 173  | 19227    | 478.147   | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.46 | 105  | 5852     | 11.645    | ug/l   | 97       |
| 74) N-amyl acetate             | 12.27 | 43   | 74830    | 475.632   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 49414    | 522.766   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 40790m   | 572.293   | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 8374     | 75.392    | ug/l # | 3        |
| 78) n-propylbenzene            | 12.80 | 91   | 7144     | 11.681    | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 8531     | 24.213    | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 6988     | 16.589    | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 15535    | 502.322   | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 10088    | 27.290    | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 3635     | 10.319    | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 9659     | 22.763    | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.39 | 105  | 4048     | 8.054     | ug/l   | 96       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 4685     | 10.273    | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 9163     | 42.073    | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 10096    | 46.601    | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.82 | 91   | 4201     | 9.231     | ug/l   | 97       |
| 90) Hexachloroethane           | 14.09 | 117  | 1136     | 14.087    | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 14856    | 77.124    | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 12659    | 785.356   | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081019\  
Data File : VW011800.D  
Acq On : 09 Aug 2019 05:48  
Operator : SY/VA  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

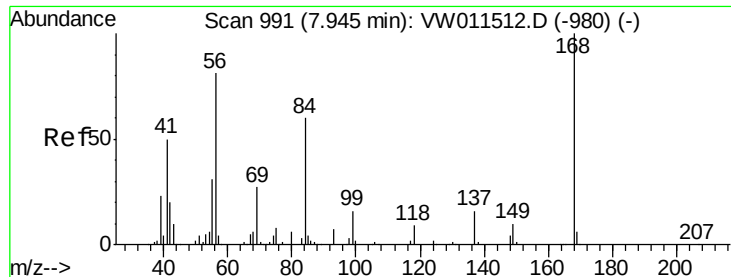
MMDadoda  
8/9/2019 10:55:06 AM

Quant Time: Aug 09 06:41:32 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  | 8348     | 61.493  | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 782      | 9.237   | ug/l  | 87       |
| 95) Naphthalene            | 15.36 | 128  | 82910    | 300.964 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 13783    | 115.826 | ug/l  | 93       |

(#) = 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: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 3590

Ion Ratio Lower Upper

168 100

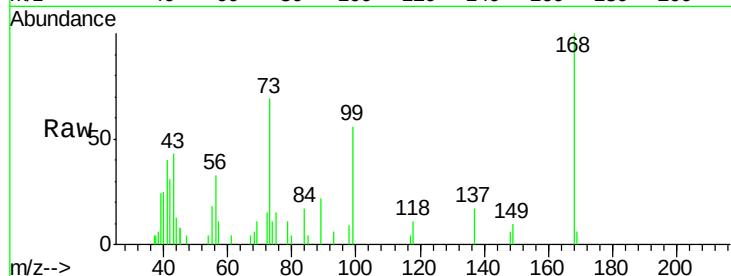
99 56.2 48.2 72.4

Manual Integrations

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8/9/2019 10:55:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

2000

1500

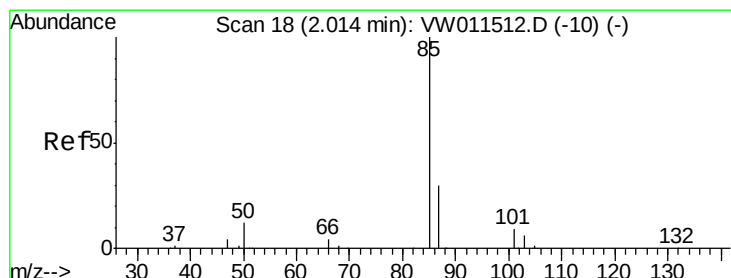
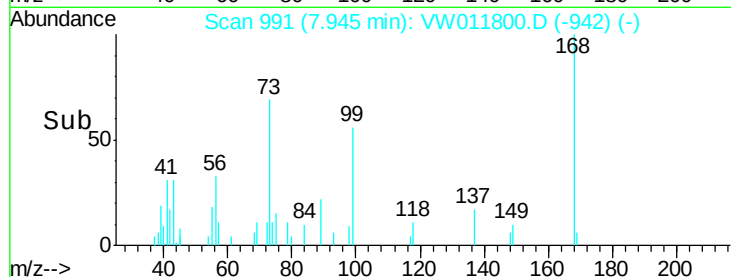
1000

500

0

7.85 7.90 7.95 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 9.796 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011800.D

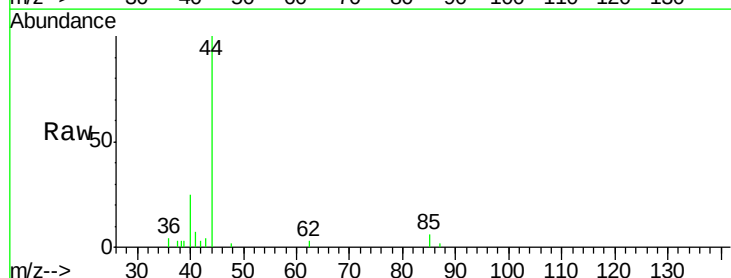
Acq: 09 Aug 2019 05:48

Tgt Ion: 85 Resp: 196

Ion Ratio Lower Upper

85 100

87 42.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

150

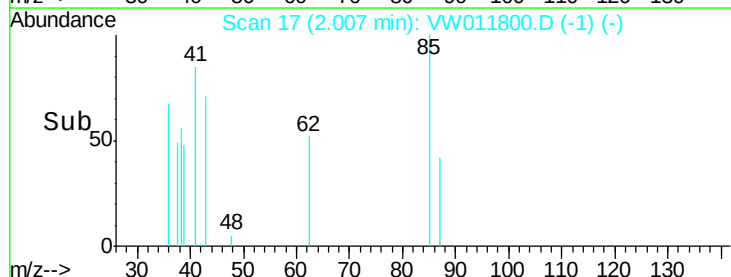
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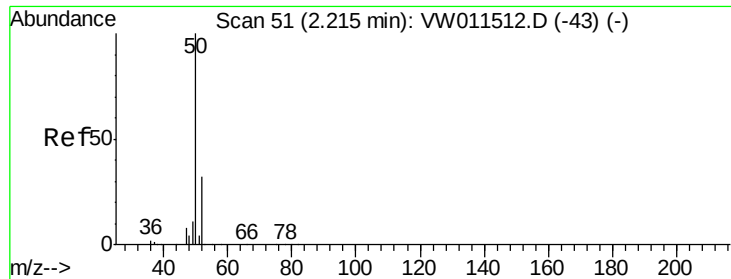
50

0

1.96 1.98 2.00 2.02

Time-->





#3

Chloromethane

Concen: 51.335 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 1781

Ion Ratio Lower Upper

50 100

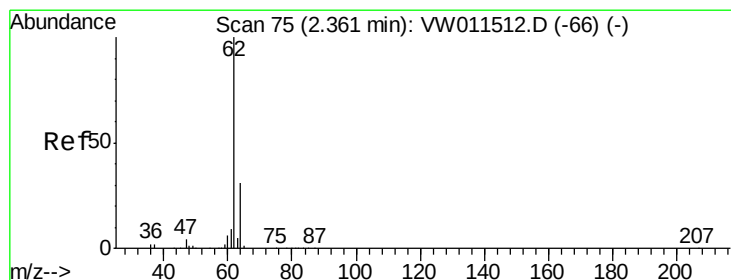
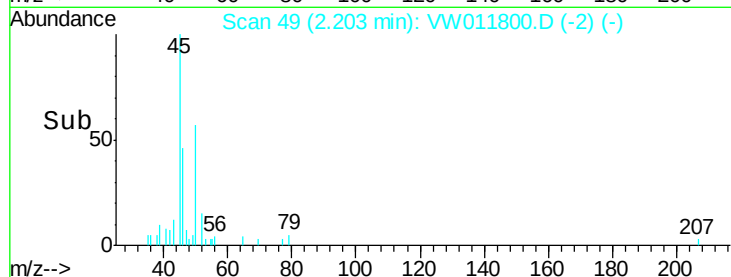
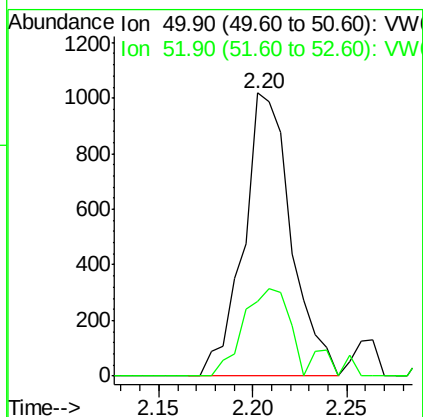
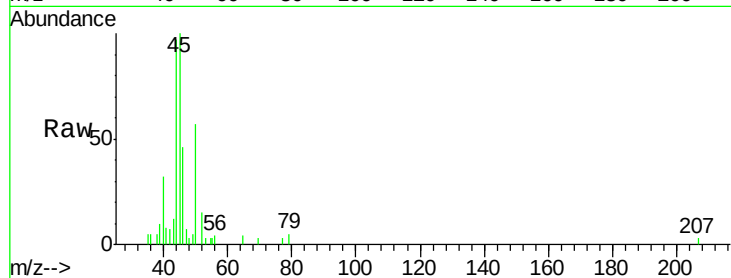
52 26.5 25.4 38.2

Manual Integrations

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8/9/2019 10:55:06 AM



#4

Vinyl Chloride

Concen: 16.256 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011800.D

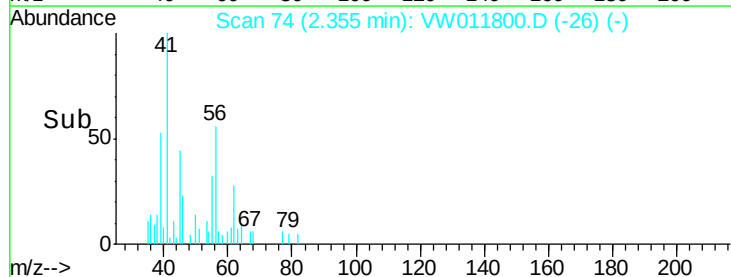
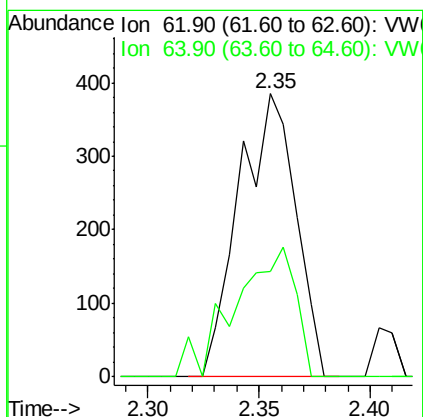
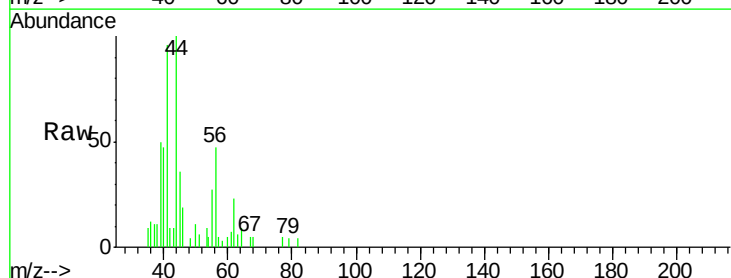
Acq: 09 Aug 2019 05:48

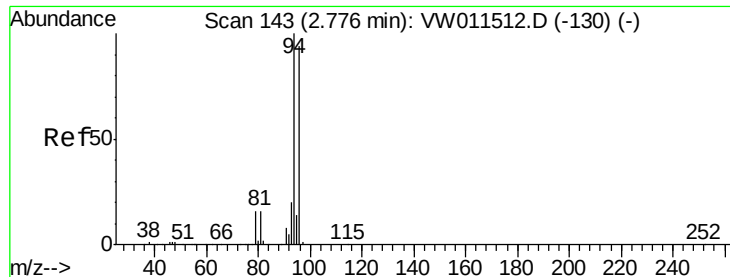
Tgt Ion: 62 Resp: 679

Ion Ratio Lower Upper

62 100

64 37.1 25.0 37.4





#5

Bromomethane

Concen: 83.782 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 1937

Ion Ratio Lower Upper

94 100

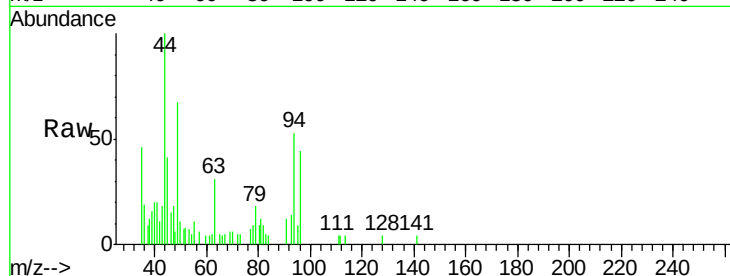
96 75.9 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

8/9/2019 10:55:06 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.73

800

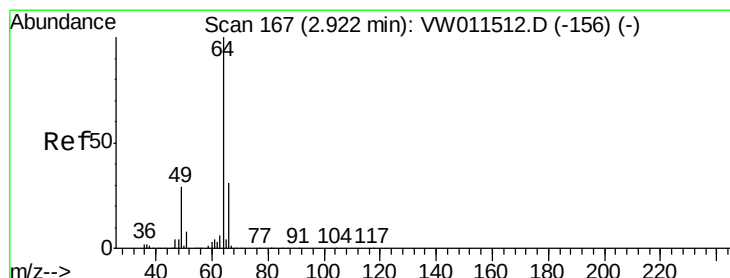
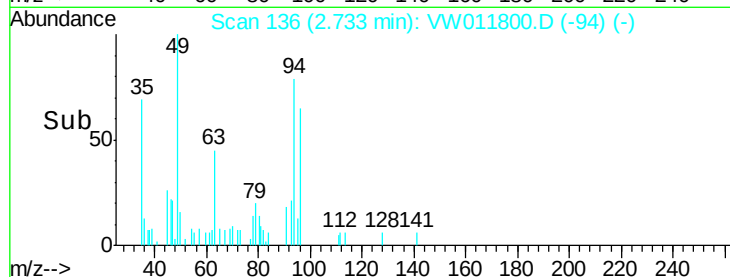
600

400

200

0

Time-->



#6

Chloroethane

Concen: 42.667 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW011800.D

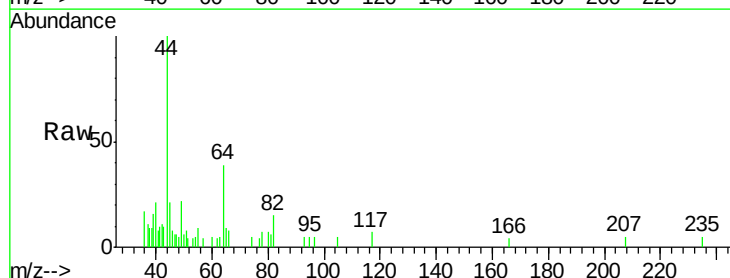
Acq: 09 Aug 2019 05:48

Tgt Ion: 64 Resp: 1018

Ion Ratio Lower Upper

64 100

66 8.7 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.90

500

400

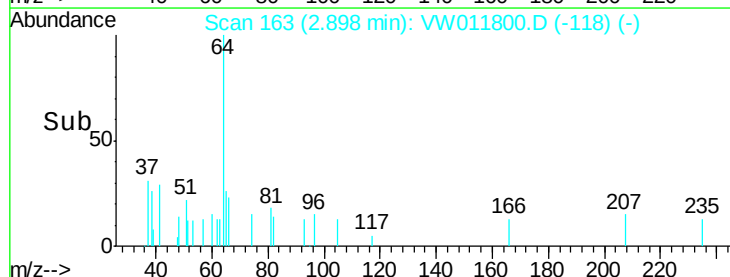
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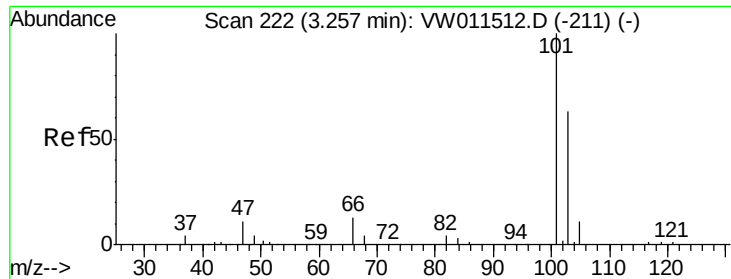
200

100

0

Time-->





#7

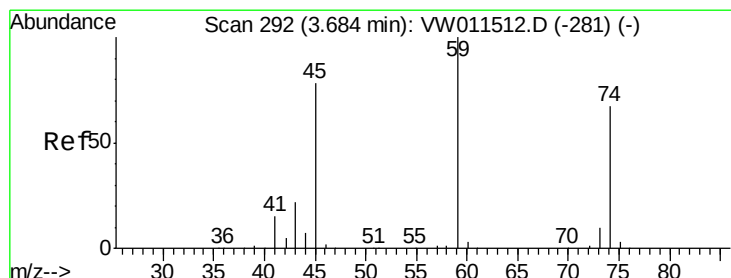
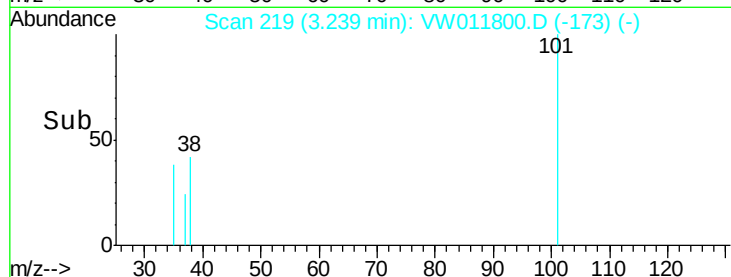
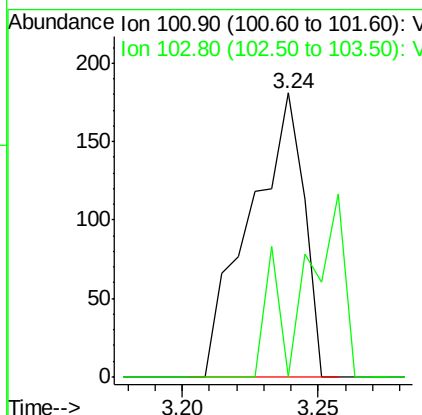
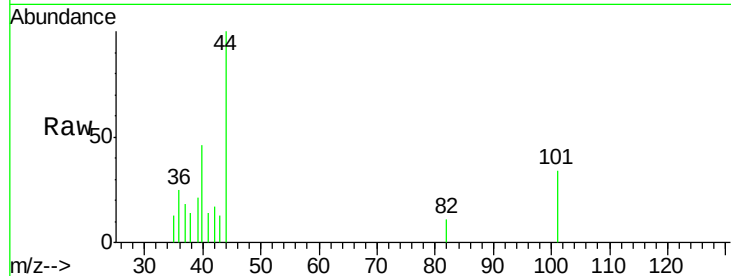
Trichlorofluoromethane  
Concen: 13.232 ug/l  
RT: 3.24 min Scan# 219  
Delta R.T. -0.02 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 0.0   | 50.2  | 75.4# |

Manual Integrations  
APPROVED

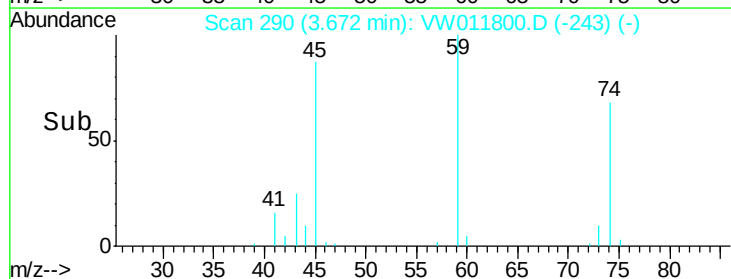
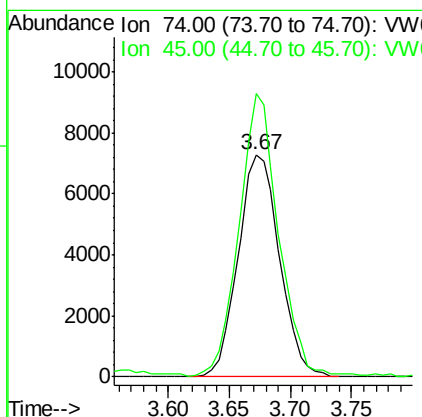
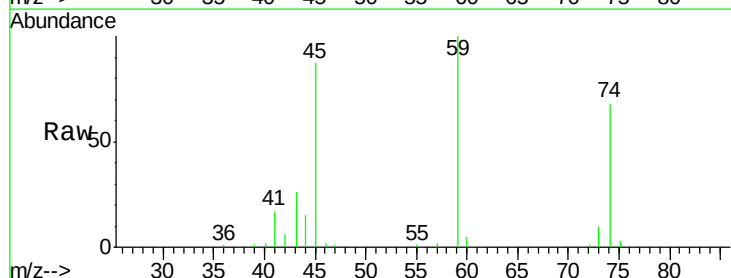
MMDadoda  
8/9/2019 10:55:06 AM



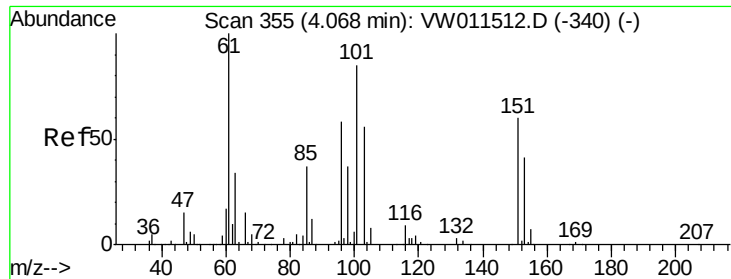
#8

Diethyl Ether  
Concen: 808.559 ug/l  
RT: 3.67 min Scan# 290  
Delta R.T. -0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 122.1 | 59.6  | 178.8 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.893 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

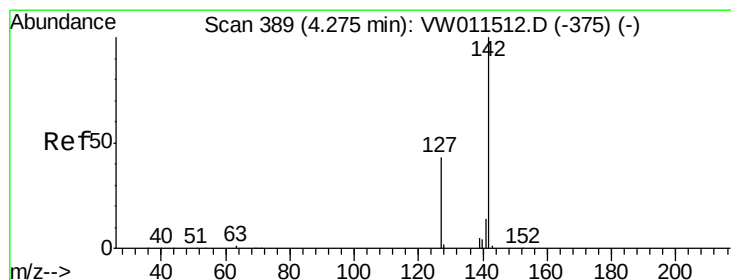
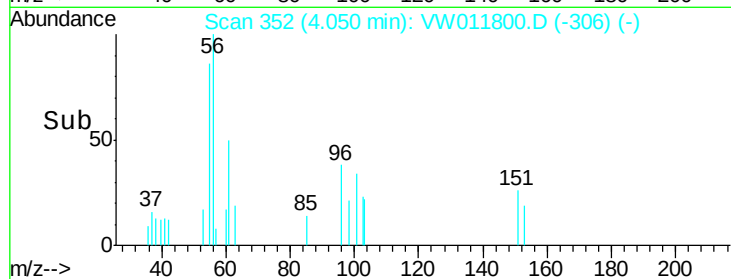
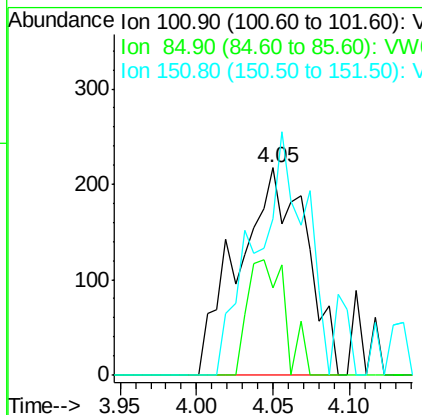
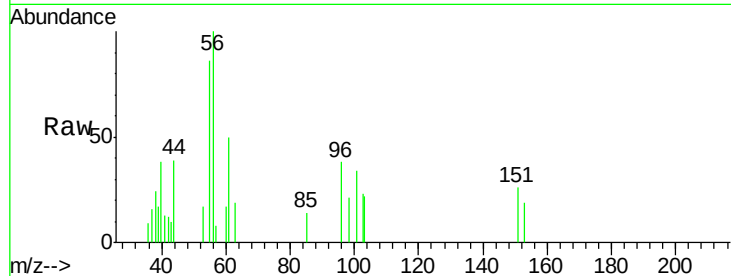
ClientSampled :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 669   |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 30.9  | 36.6  | 54.8# |
| 151       | 87.1  | 60.2  | 90.2  |

Manual Integrations  
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8/9/2019 10:55:06 AM



#10

Methyl Iodide

Concen: 87.507 ug/l

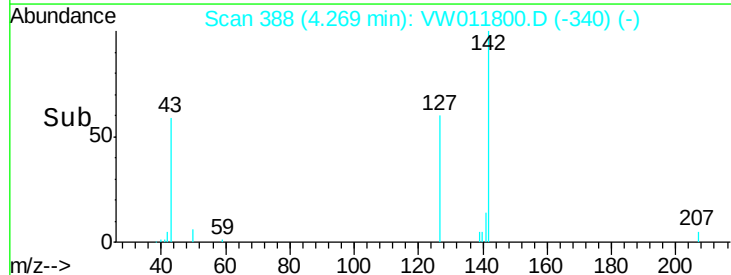
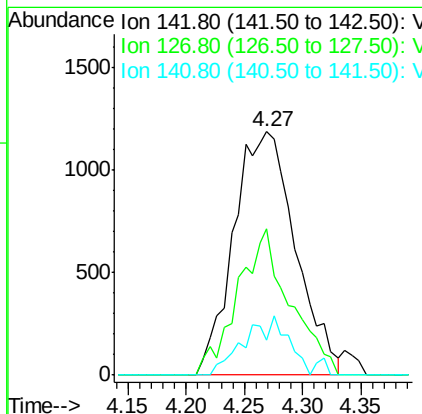
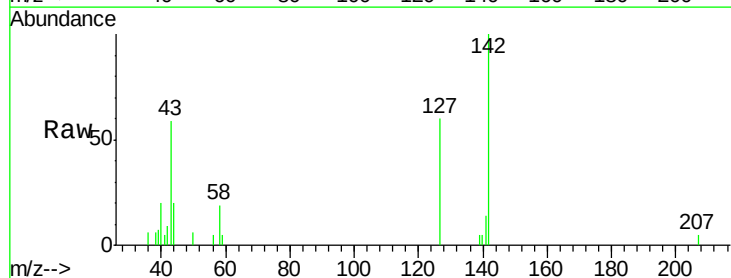
RT: 4.27 min Scan# 388

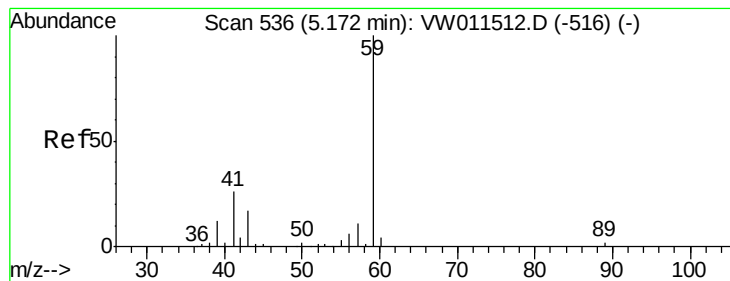
Delta R.T. -0.01 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 4379  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 50.7  | 35.0  | 52.6  |
| 141       | 9.7   | 11.9  | 17.9# |





#11

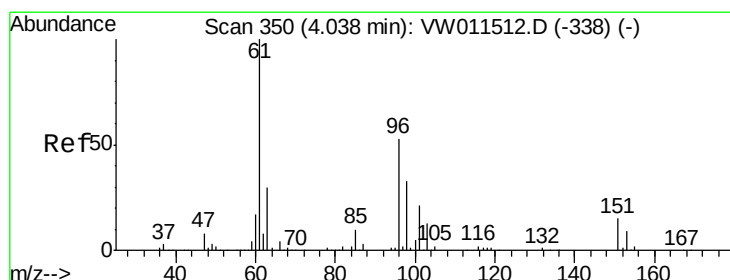
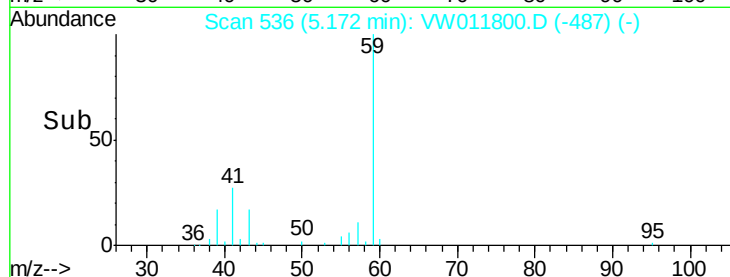
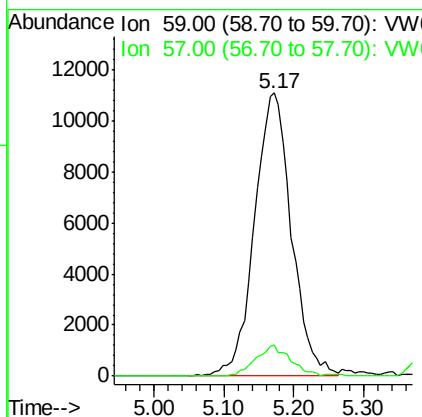
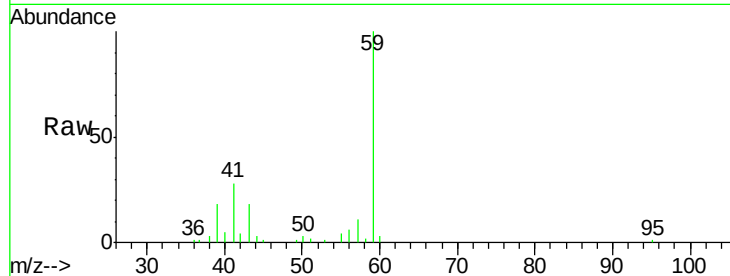
Tert butyl alcohol  
 Concen: 14395.280 ug/l  
 RT: 5.17 min Scan# 536  
 Delta R.T. 0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | 59  | 57   | Ratio | 100 | 10.3 | Resp | 40725 | Lower | Upper |
|---------|-----|------|-------|-----|------|------|-------|-------|-------|
| 59      | 100 |      |       |     |      |      |       |       |       |
| 57      |     | 10.3 |       |     |      |      |       | 8.5   | 12.7  |

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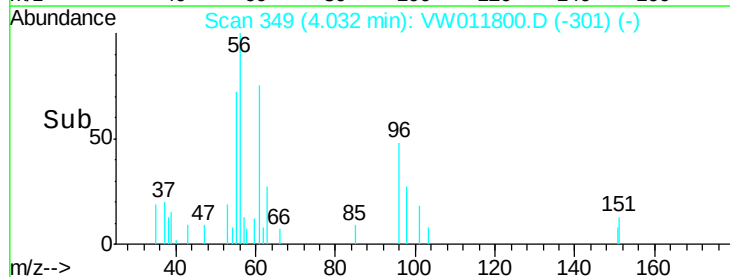
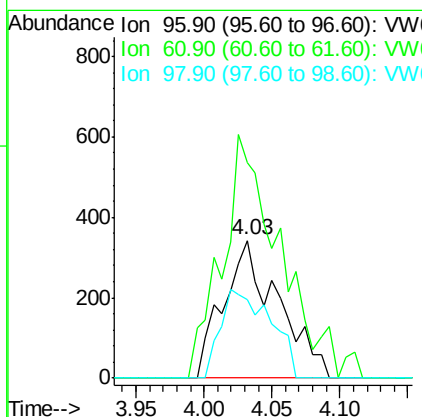
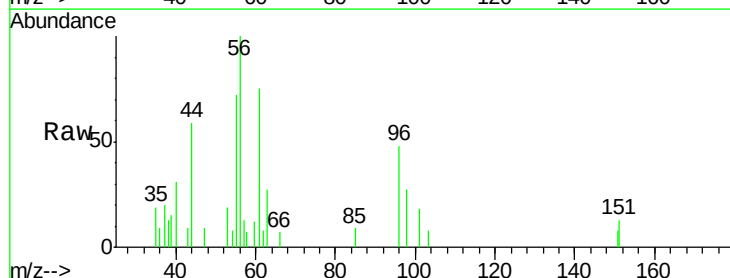
MMDadoda  
 8/9/2019 10:55:06 AM

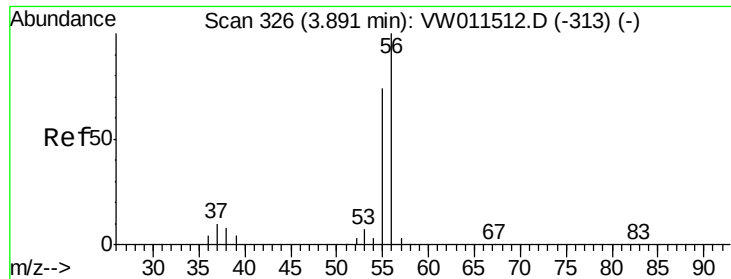


#12

1,1-Dichloroethene  
 Concen: 25.837 ug/l  
 RT: 4.03 min Scan# 349  
 Delta R.T. -0.01 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

| Tgt Ion | 96  | 61    | 98 | Ratio | 100 | 156.7 | 56.7 | Resp | 966 | Lower | Upper |
|---------|-----|-------|----|-------|-----|-------|------|------|-----|-------|-------|
| 96      | 100 |       |    |       |     |       |      |      |     |       |       |
| 61      |     | 156.7 |    |       |     |       |      |      |     | 149.9 | 224.9 |
| 98      |     | 56.7  |    |       |     |       |      |      |     | 49.1  | 73.7  |





#13

Acrolein

Concen: 9695.430 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 28678

Ion Ratio Lower Upper

56 100

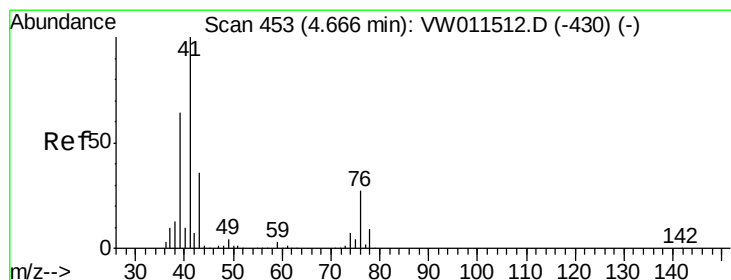
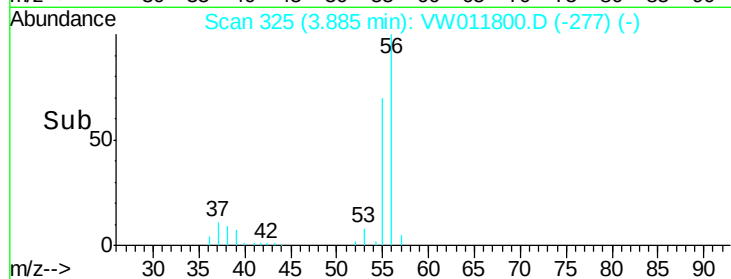
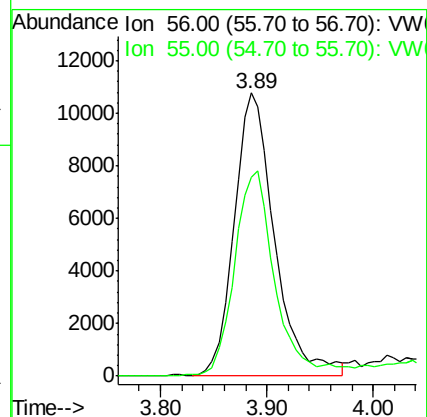
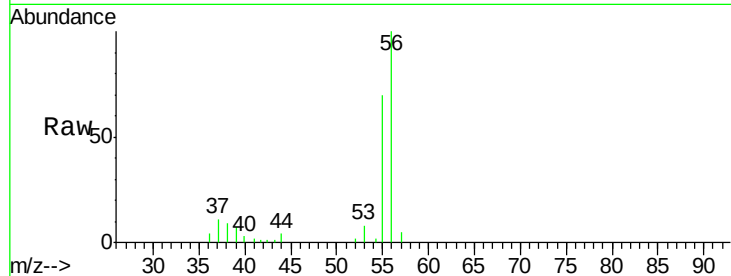
55 72.5 56.0 84.0

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#14

Allyl chloride

Concen: 82.066 ug/l m

RT: 4.65 min Scan# 450

Delta R.T. -0.02 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

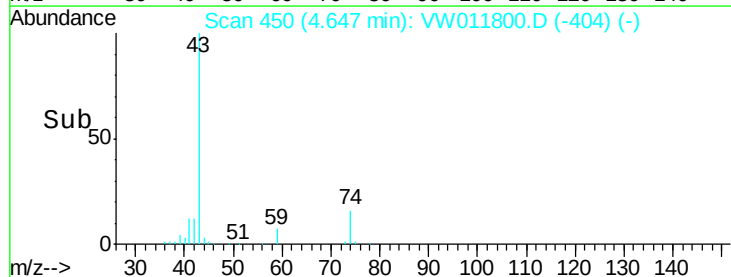
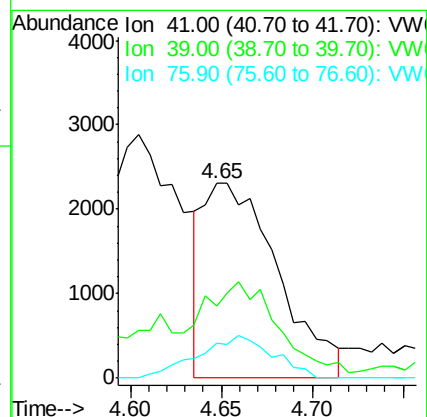
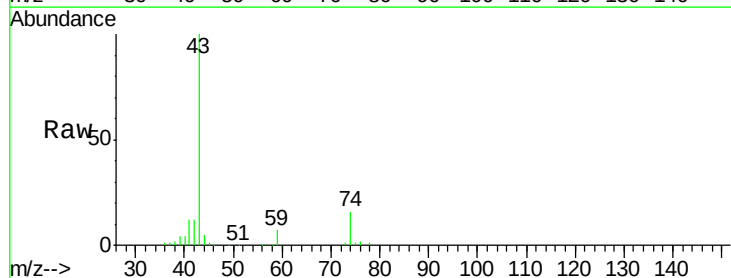
Tgt Ion: 41 Resp: 6526

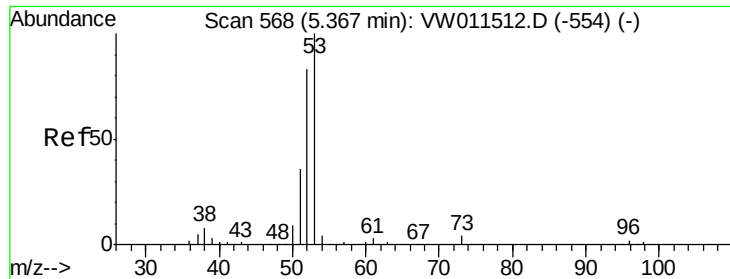
Ion Ratio Lower Upper

41 100

39 29.1 52.6 78.8#

76 0.0 22.0 33.0#





#15

Acrylonitrile

Concen: 13250.512 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

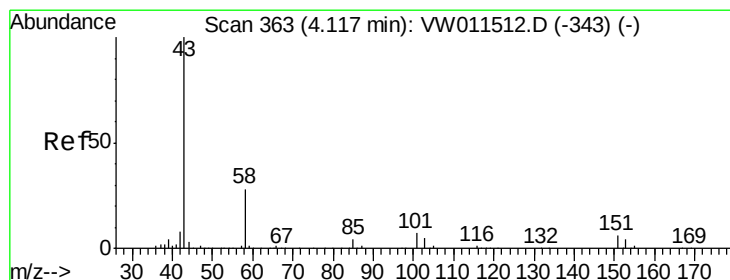
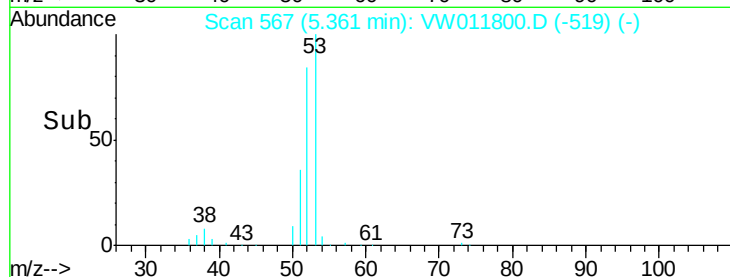
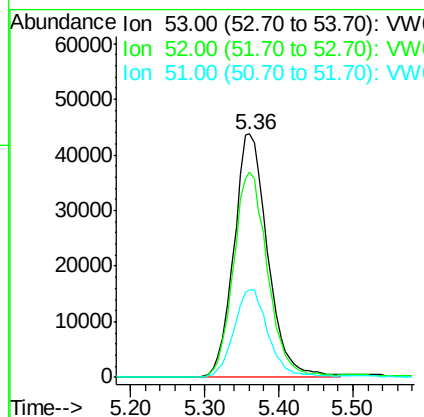
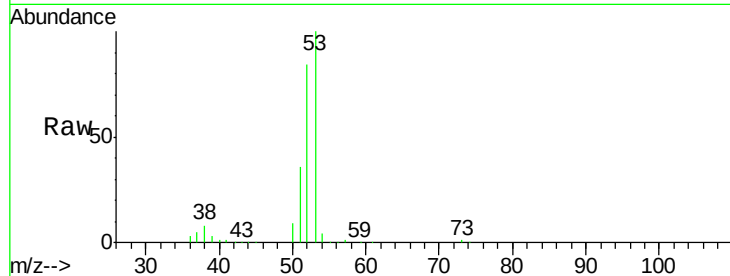
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 139995 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 84.6  | 67.2  | 100.8  |
| 51       | 36.4  | 30.0  | 45.0   |

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#16

Acetone

Concen: 10928.009 ug/l

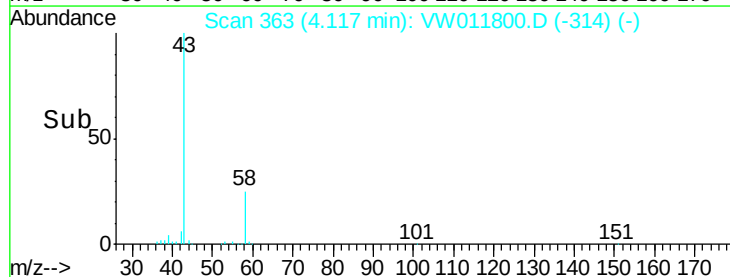
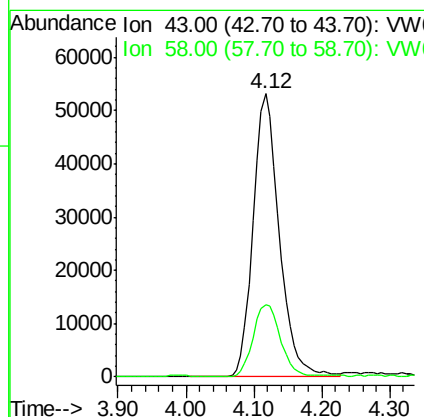
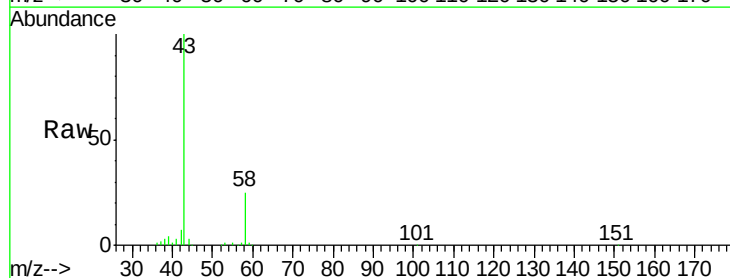
RT: 4.12 min Scan# 363

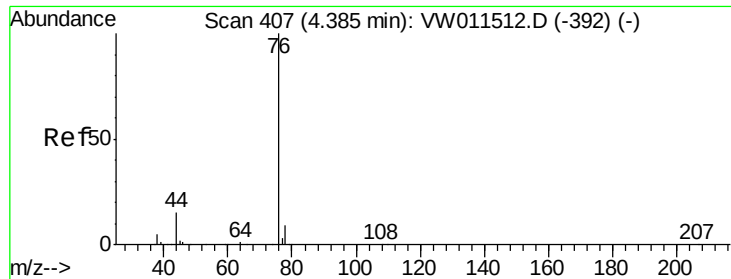
Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 143299 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 25.1  | 22.3  | 33.5   |





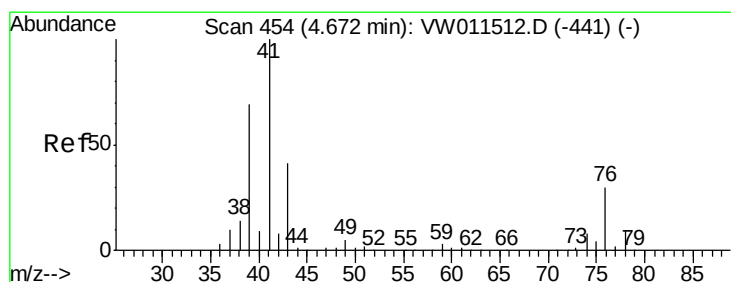
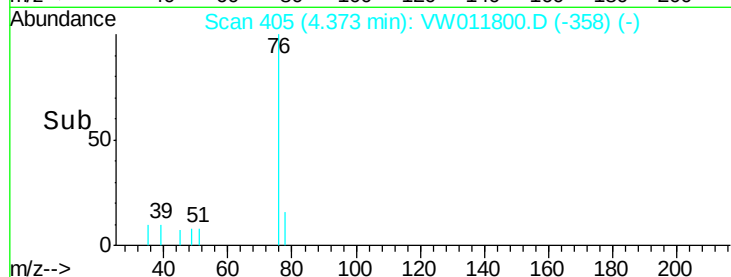
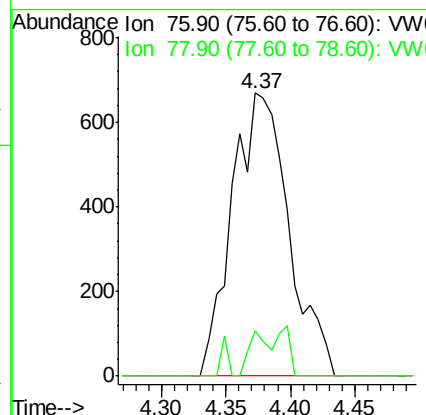
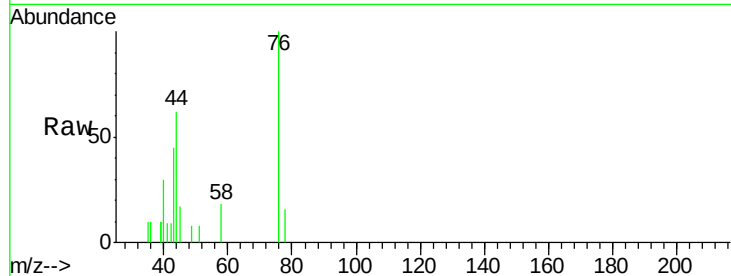
#17  
Carbon Disulfide  
Concen: 17.476 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 16.1  | 7.1   | 10.7# |

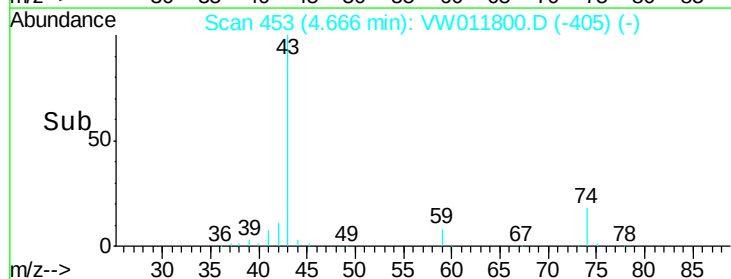
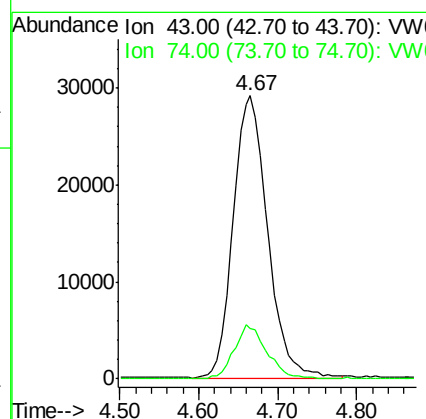
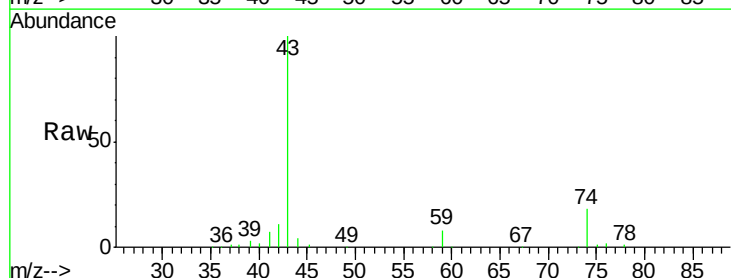
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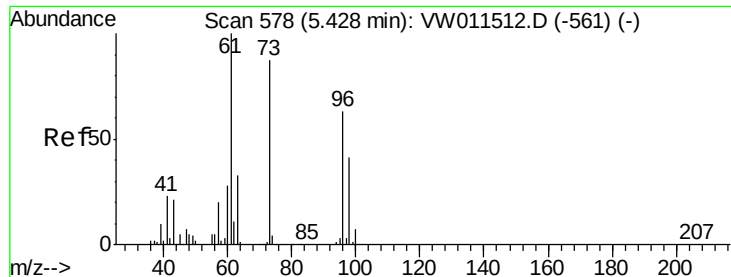
MMDadoda  
8/9/2019 10:55:06 AM



#18  
Methyl Acetate  
Concen: 2986.911 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. -0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 18.2  | 15.9  | 23.9  |





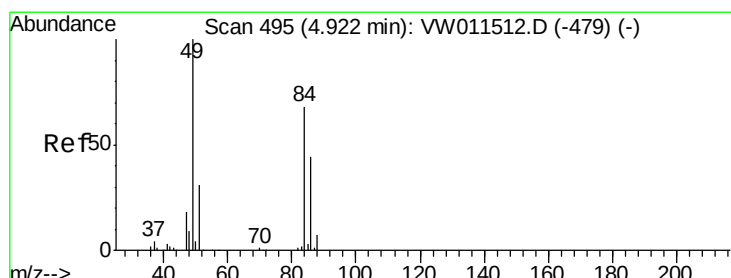
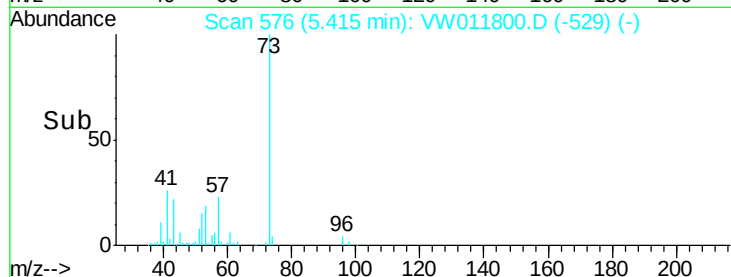
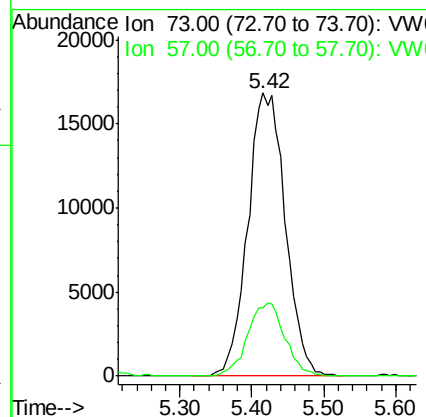
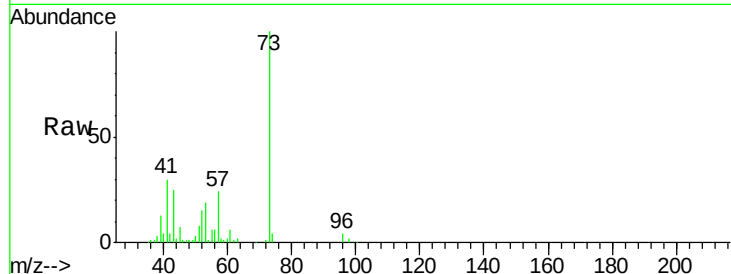
#19  
Methyl tert-butyl Ether  
Concen: 1022.100 ug/l  
RT: 5.42 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 24.3  | 18.4  | 27.6  |

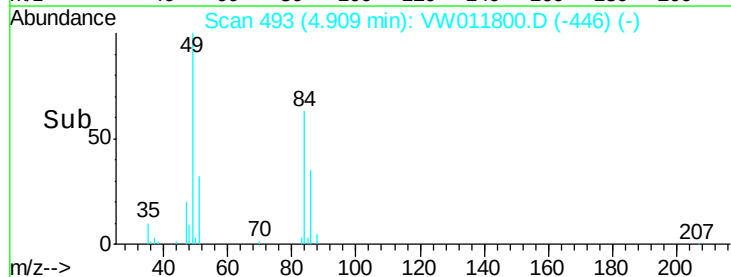
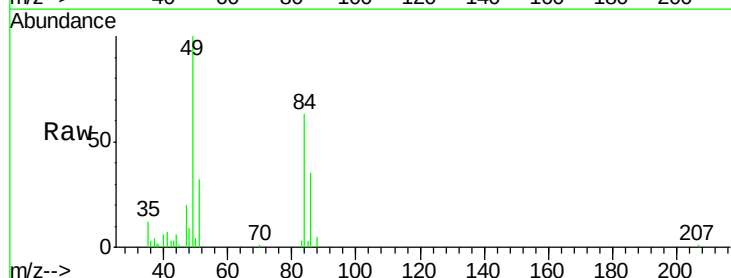
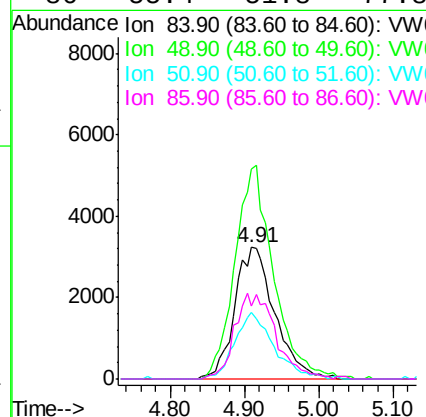
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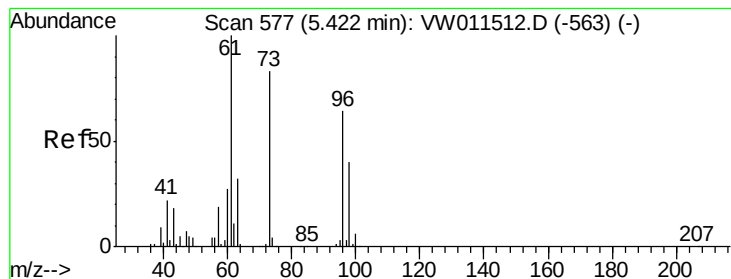
MMDadoda  
8/9/2019 10:55:06 AM



#20  
Methylene Chloride  
Concen: 269.745 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 159.0 | 117.8 | 176.6 |
| 51      | 50.1  | 37.0  | 55.4  |
| 86      | 55.4  | 51.8  | 77.8  |





#21

trans-1,2-Dichloroethene

Concen: 42.571 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 1716

Ion Ratio Lower Upper

96 100

61 144.4 125.7 188.5

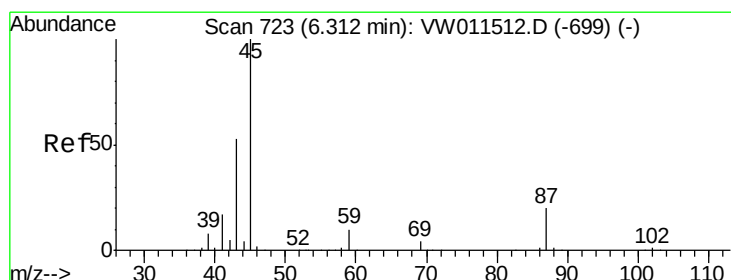
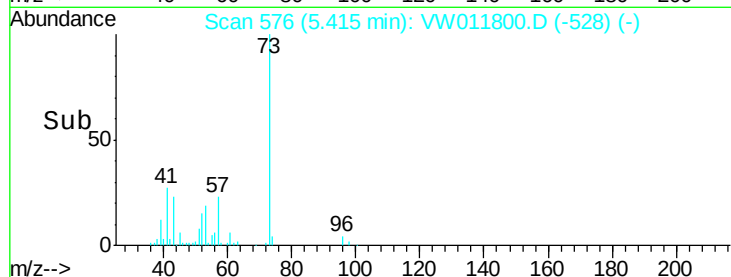
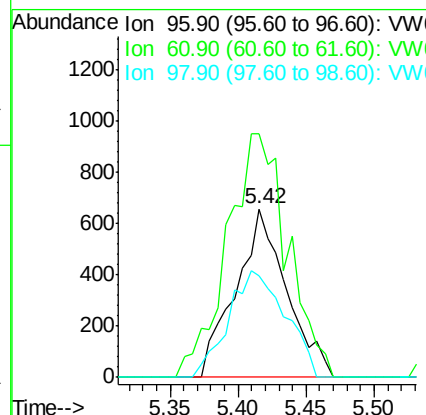
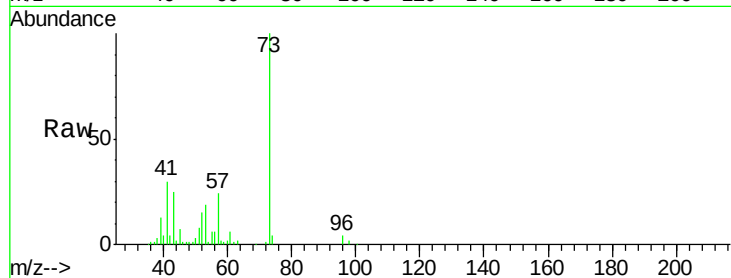
98 60.3 50.3 75.5

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#22

Diisopropyl ether

Concen: 347.383 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Tgt Ion: 45 Resp: 52082

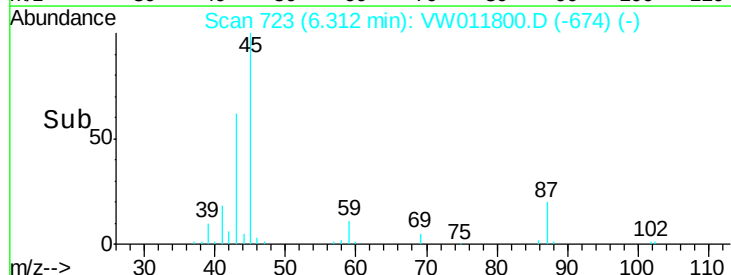
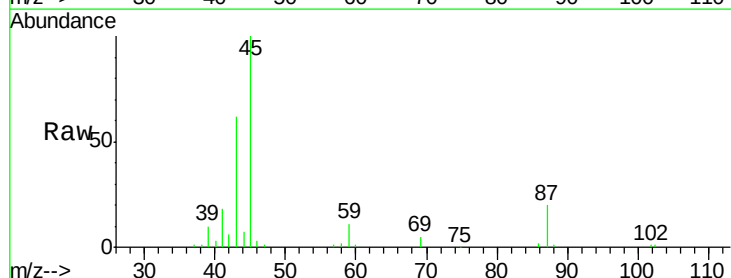
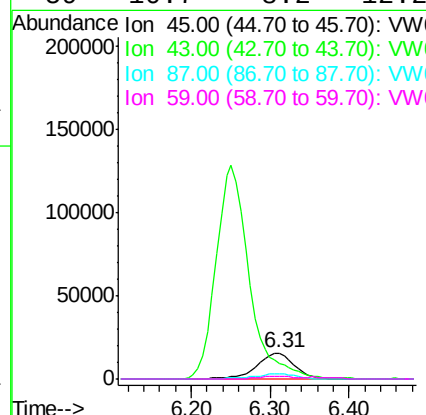
Ion Ratio Lower Upper

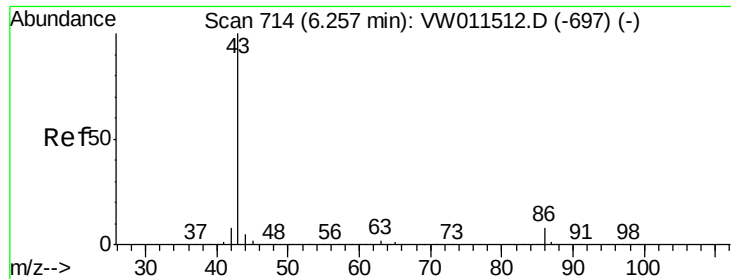
45 100

43 58.5 42.6 63.8

87 19.2 16.4 24.6

59 10.7 8.2 12.2





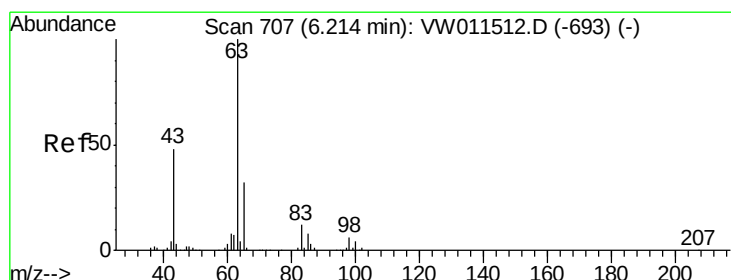
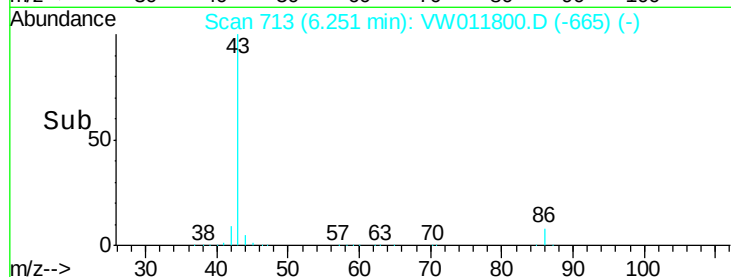
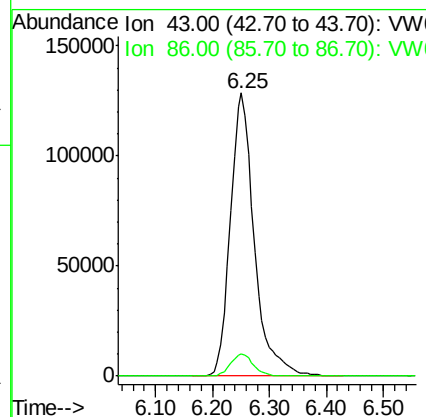
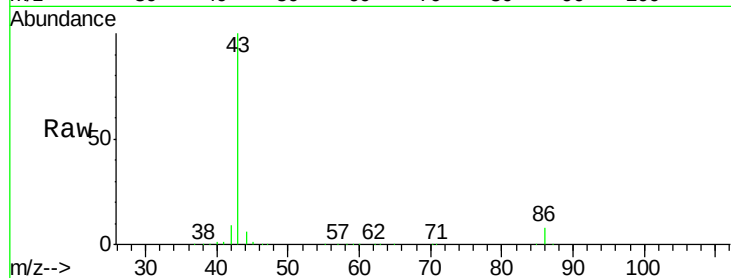
#23  
 Vinyl Acetate  
 Concen: 4008.233 ug/l  
 RT: 6.25 min Scan# 713  
 Delta R.T. -0.01 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion   | 43  | Resp  | 377605 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 43        | 100 |       |        |
| 86        | 8.0 | 6.5   | 9.7    |

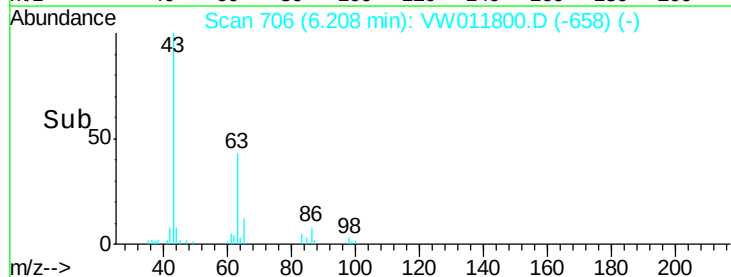
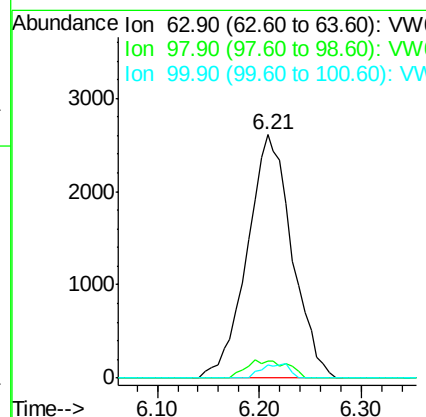
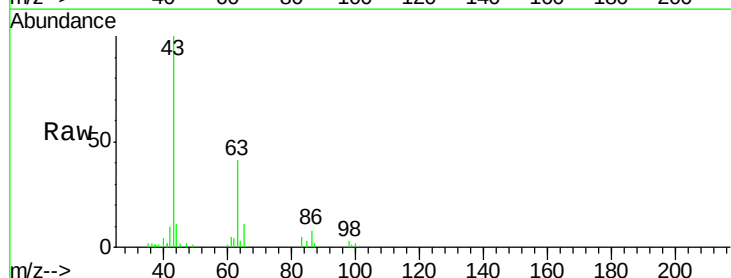
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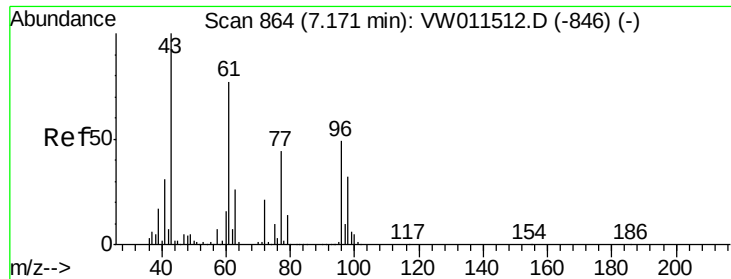


#24  
 1,1-Dichloroethane  
 Concen: 98.971 ug/l  
 RT: 6.21 min Scan# 706  
 Delta R.T. -0.01 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

| Tgt Ion   | 63  | Resp  | 7947  |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 63        | 100 |       |       |
| 98        | 8.9 | 2.9   | 8.8#  |
| 100       | 5.4 | 2.1   | 6.3   |







#25

2-Butanone

Concen: 12757.921 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Tot Ion: 43 Resp: 218910

Ion Ratio Lower Upper

43 100

72 20.3 16.6 24.8

Instrument :

MSVOA\_W

ClientSampled :

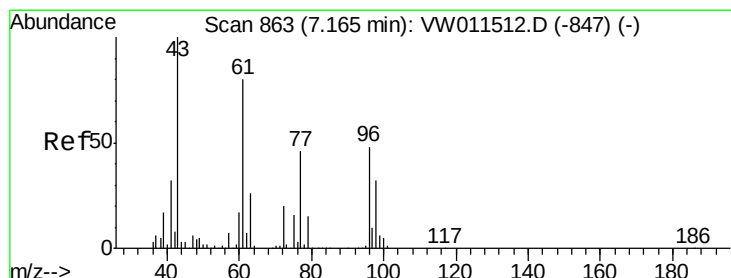
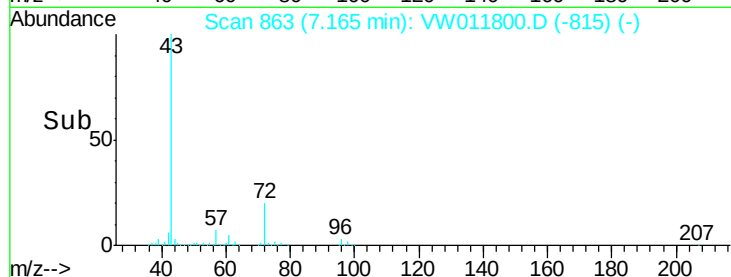
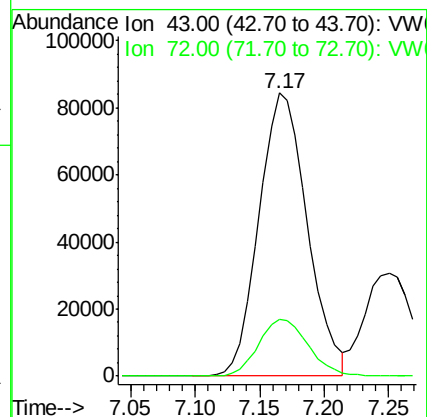
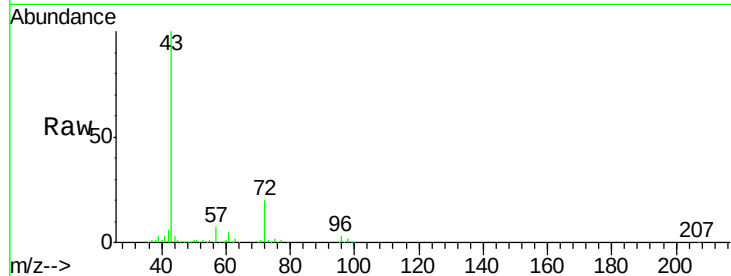
VSTDCCC050EC

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.858 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011800.D

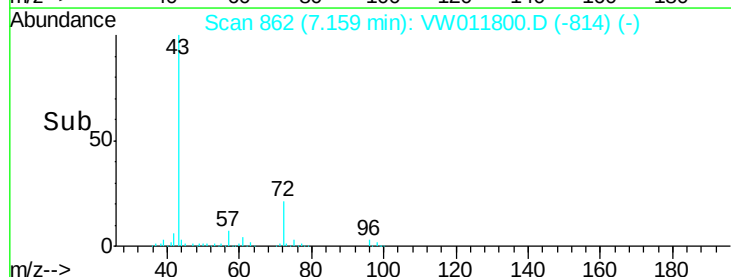
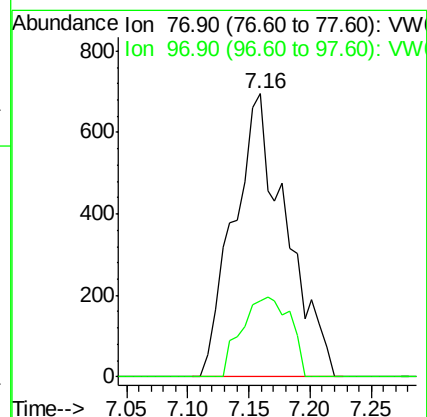
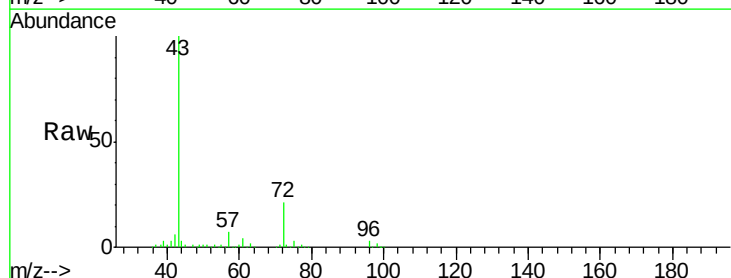
Acq: 09 Aug 2019 05:48

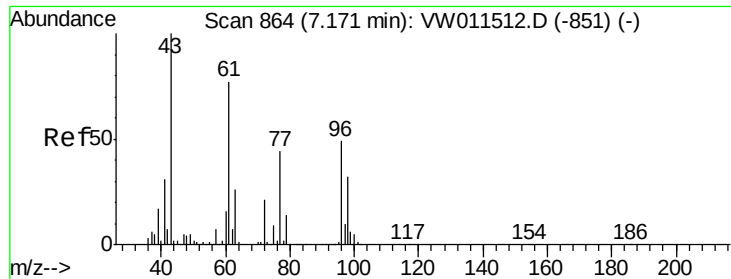
Tgt Ion: 77 Resp: 2067

Ion Ratio Lower Upper

77 100

97 26.0 10.8 32.4





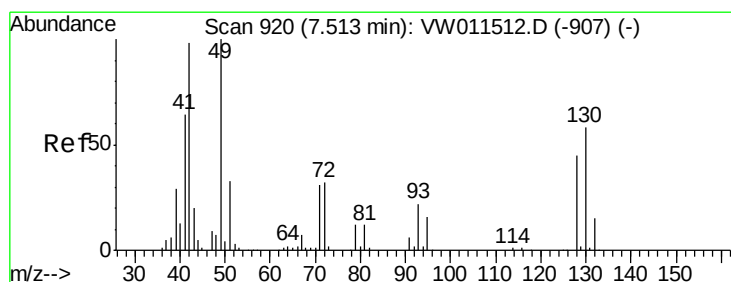
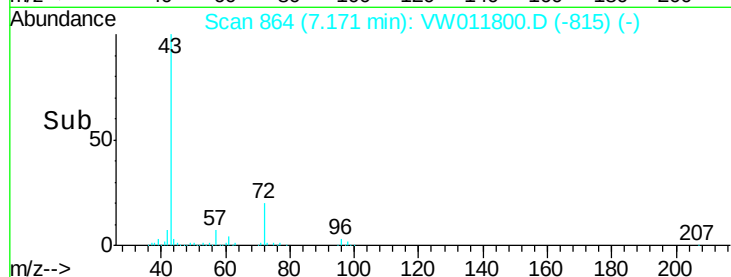
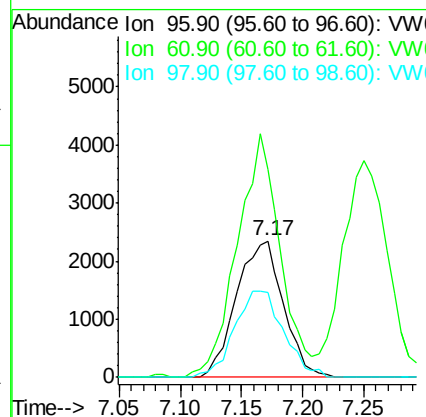
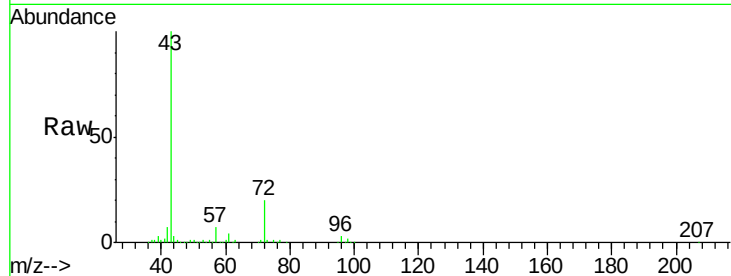
#27  
 cis-1,2-Dichloroethene  
 Concen: 140.702 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 163.0 | 0.0   | 328.4 |
| 98      | 66.1  | 0.0   | 128.8 |

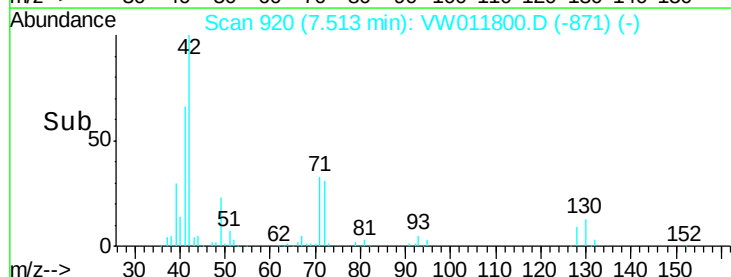
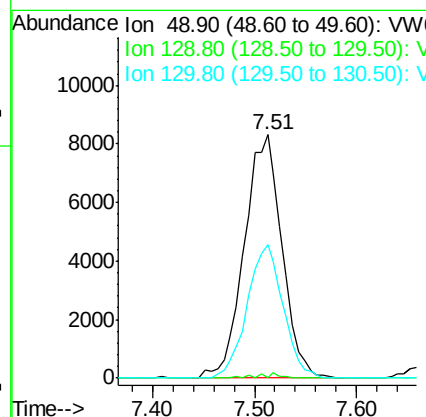
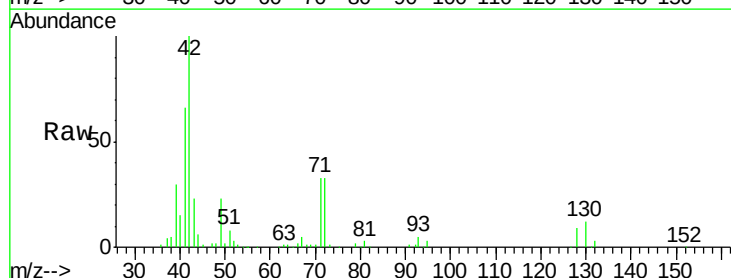
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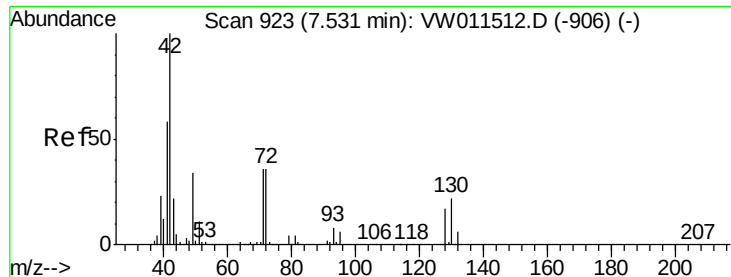
MMDadoda  
 8/9/2019 10:55:06 AM



#28  
 Bromochloromethane  
 Concen: 596.990 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.6   | 0.0   | 1.0   |
| 130     | 52.4  | 46.3  | 69.5  |





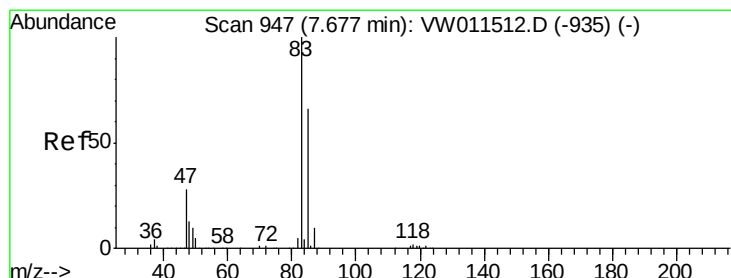
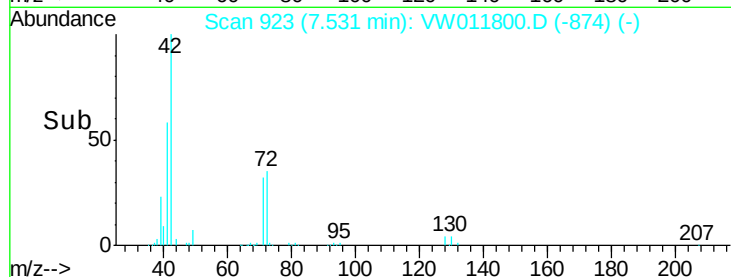
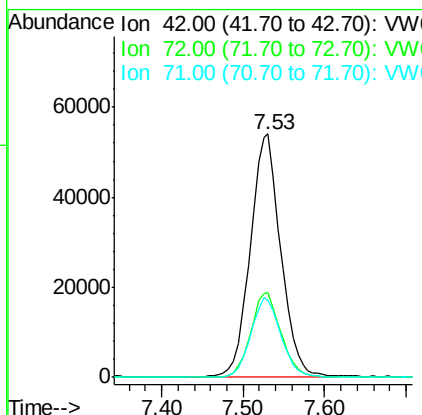
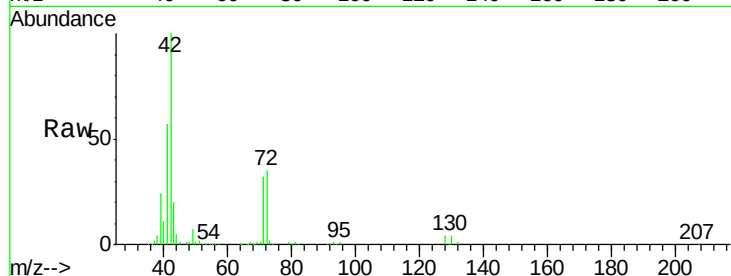
#29  
Tetrahydrofuran  
Concen: 14327.767 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 140528 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 34.7  | 27.1  | 40.7   |
| 71       | 32.3  | 26.2  | 39.4   |

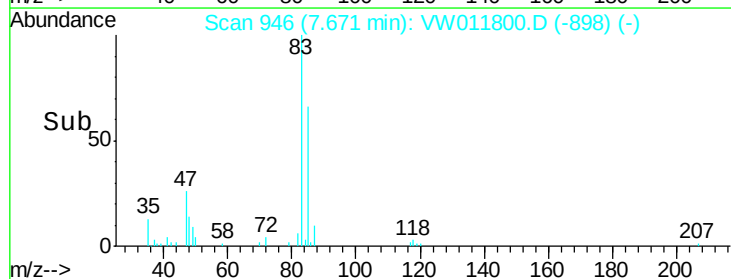
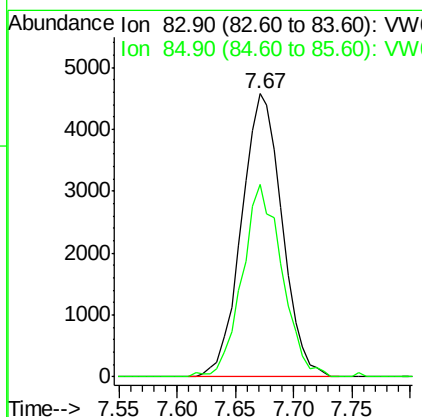
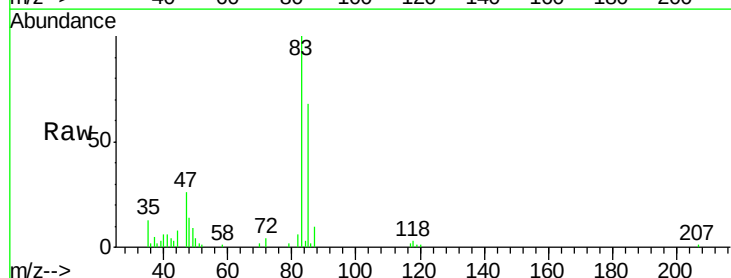
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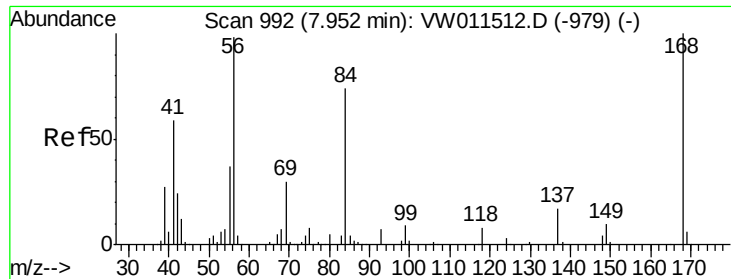
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#30  
Chloroform  
Concen: 149.503 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 11075 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 68.1  | 52.5  | 78.7  |





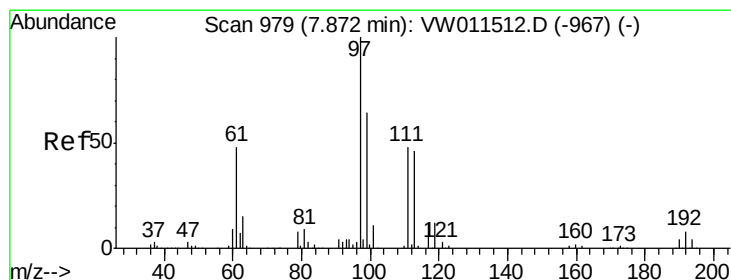
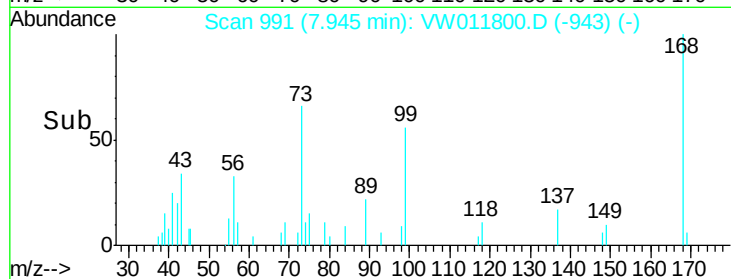
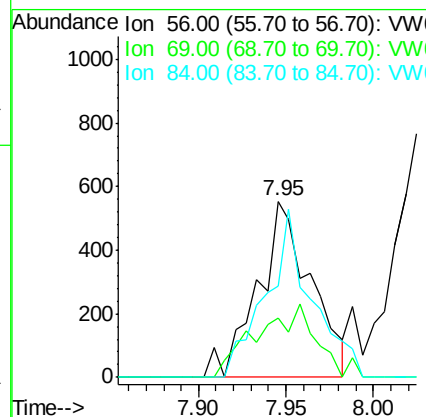
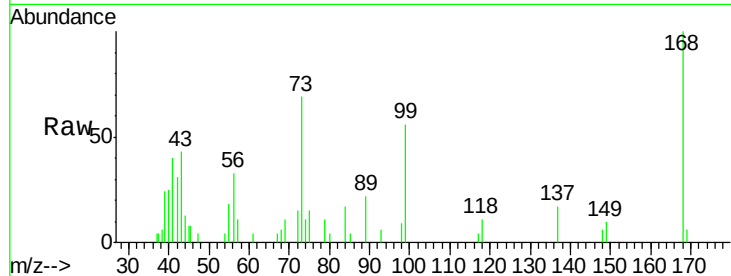
#31  
Cyclohexane  
Concen: 15.232 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.8  | 24.3  | 36.5  |
| 84      | 51.8  | 60.4  | 90.6  |

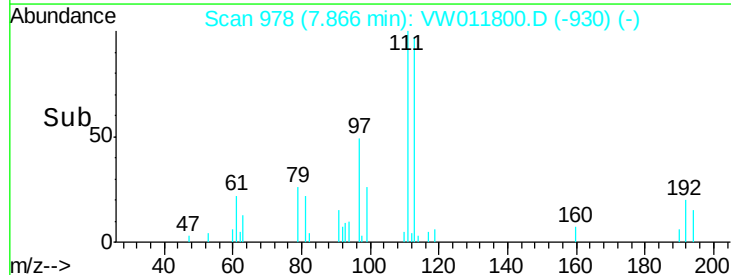
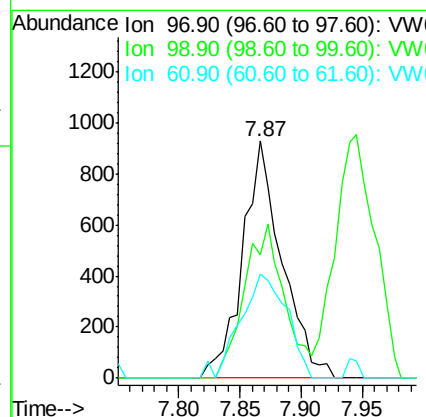
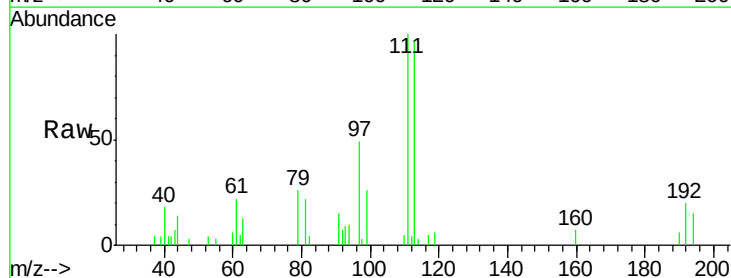
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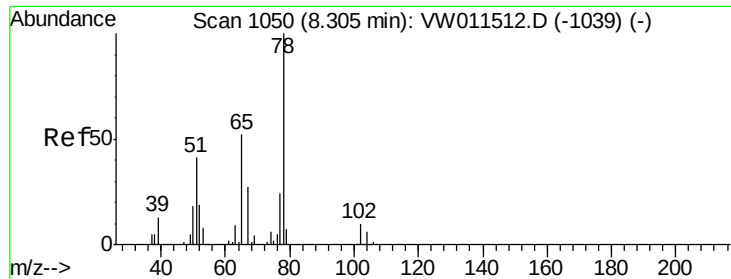
MMDadoda  
8/9/2019 10:55:06 AM



#32  
1,1,1-Trichloroethane  
Concen: 36.940 ug/l  
RT: 7.87 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 66.2  | 51.0  | 76.6  |
| 61      | 51.6  | 39.8  | 59.6  |





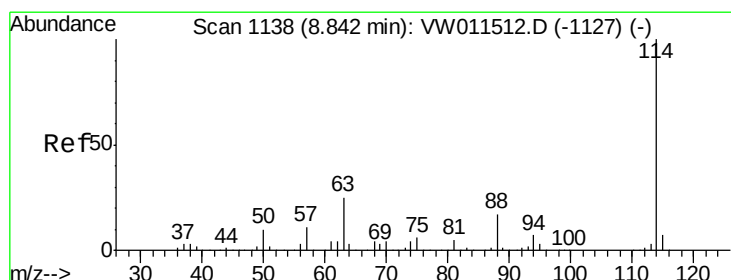
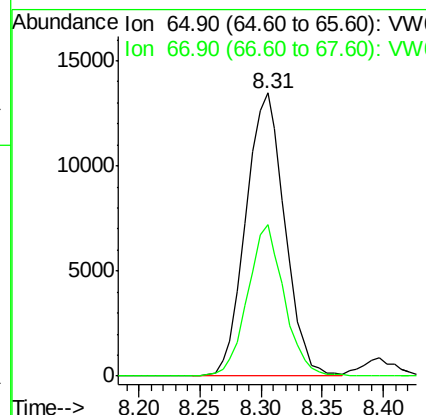
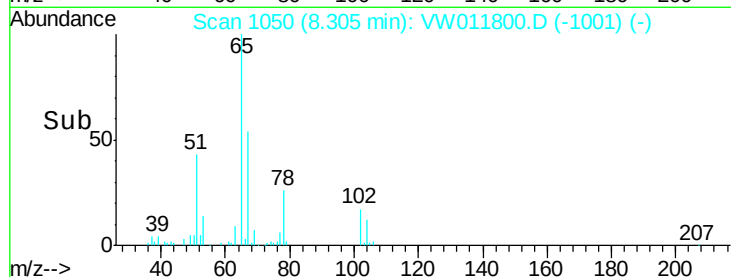
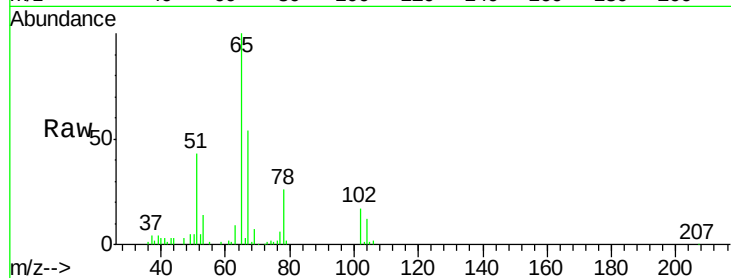
#33  
 1,2-Dichloroethane-d4  
 Concen: 724.471 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 50.0  | 0.0   | 105.2 |

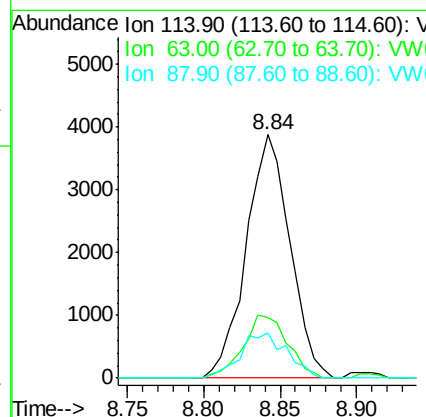
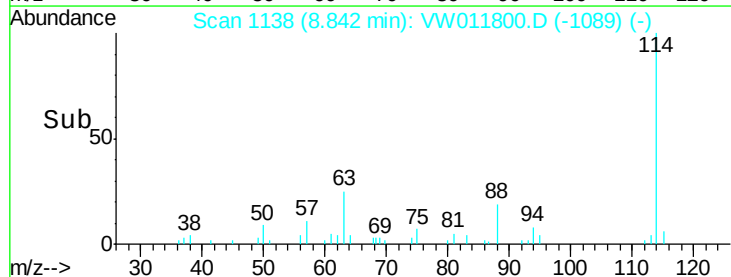
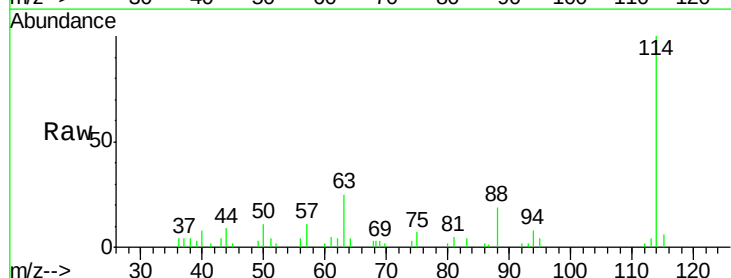
Manual Integrations  
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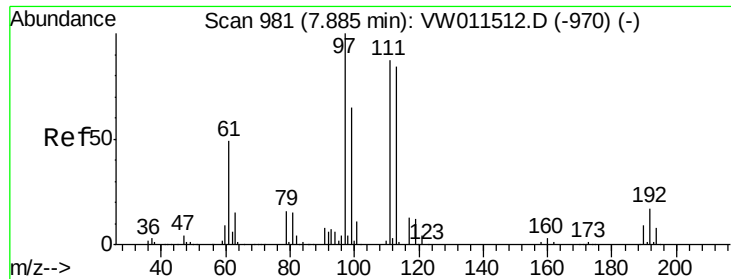
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.6  | 0.0   | 49.2  |
| 88      | 18.8  | 0.0   | 33.8  |





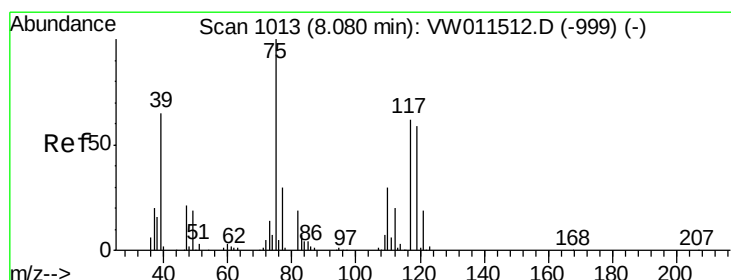
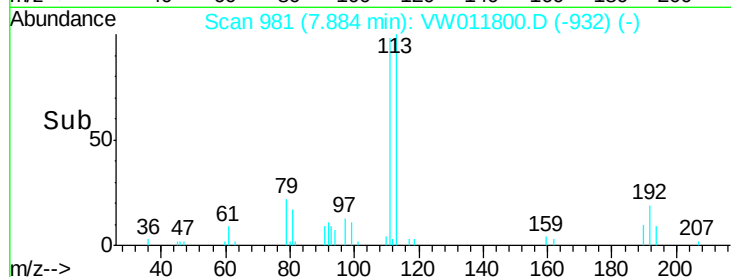
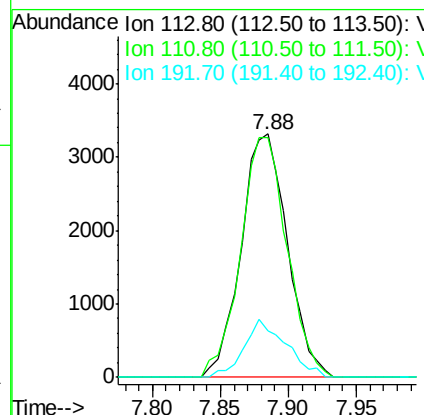
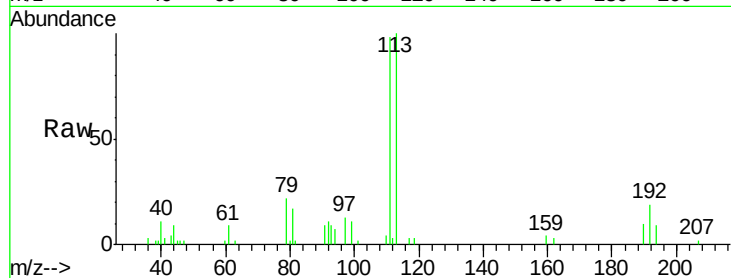
#35  
 Dibromofluoromethane  
 Concen: 182.740 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 99.1  | 82.7  | 124.1 |
| 192     | 21.5  | 16.1  | 24.1  |

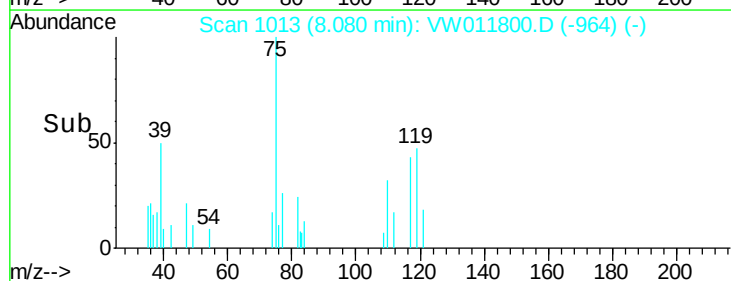
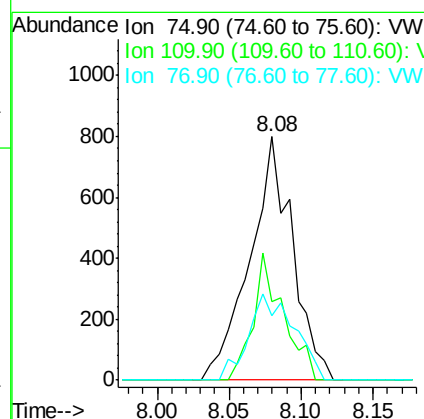
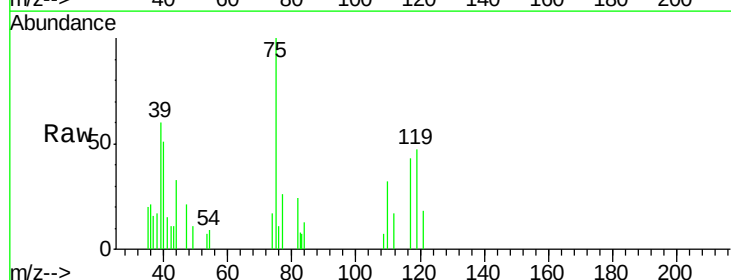
Manual Integrations  
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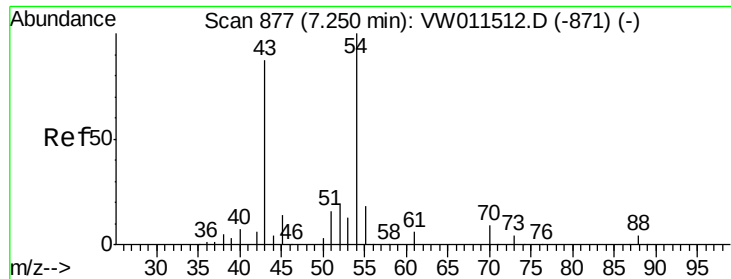
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 20.526 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.7  | 15.6  | 46.8  |
| 77      | 37.6  | 24.3  | 36.5  |





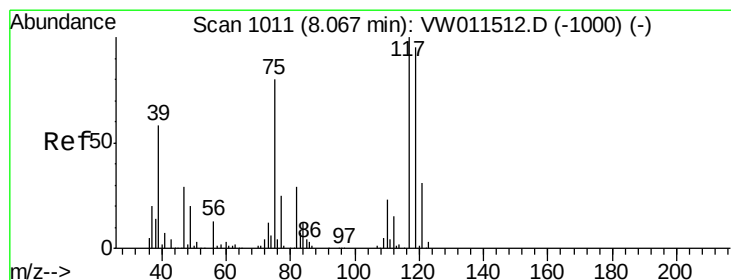
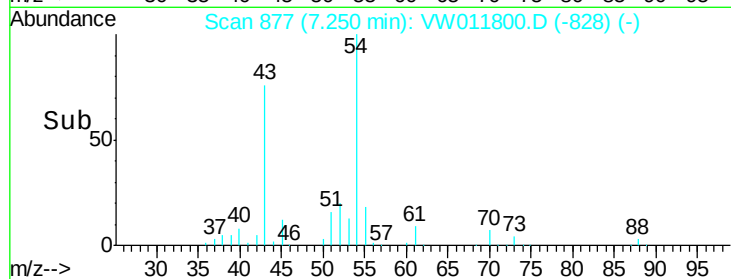
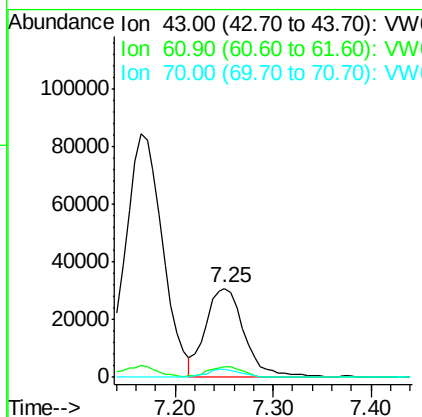
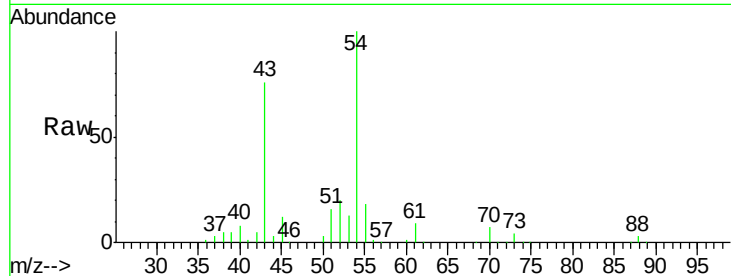
#37  
Ethyl Acetate  
Concen: 1795.292 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 11.5  | 8.8   | 13.2  |
| 70      | 8.1   | 7.1   | 10.7  |

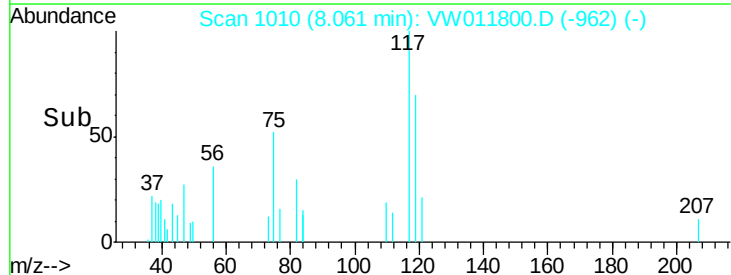
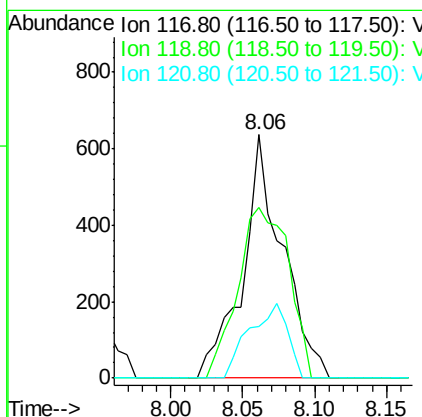
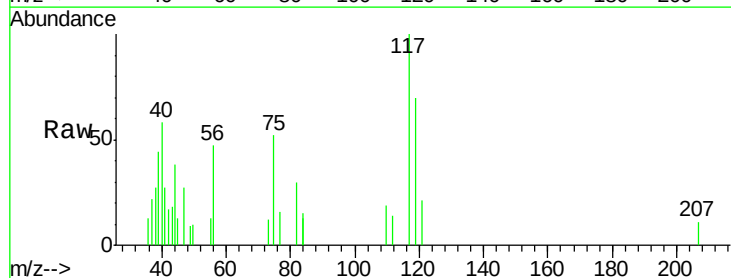
Manual Integrations  
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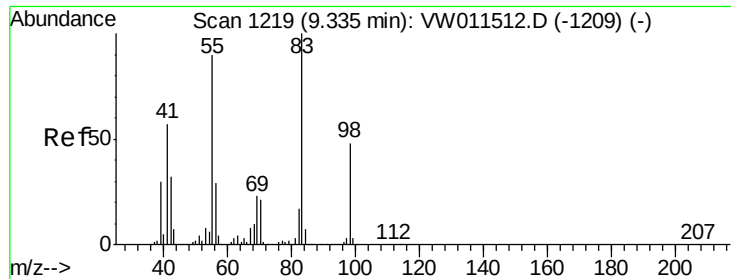
MMDadoda  
8/9/2019 10:55:06 AM



#38  
Carbon Tetrachloride  
Concen: 17.804 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 69.9  | 75.8  | 113.6# |
| 121     | 21.0  | 24.7  | 37.1#  |





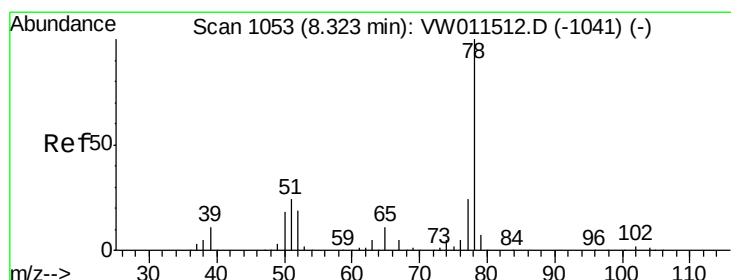
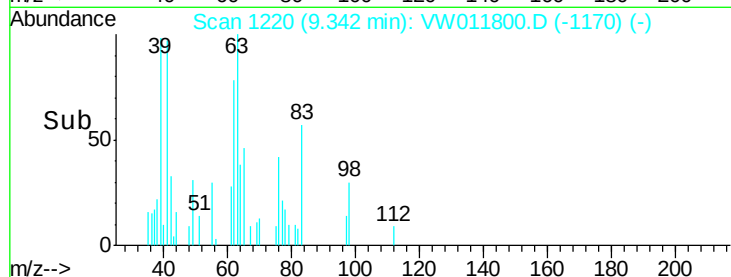
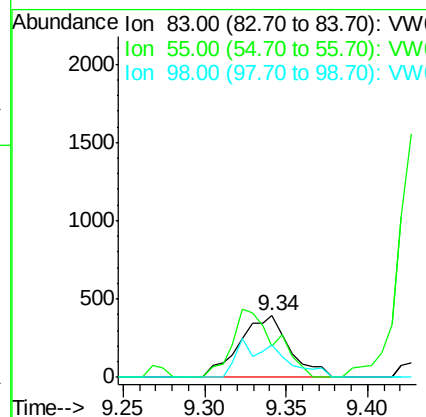
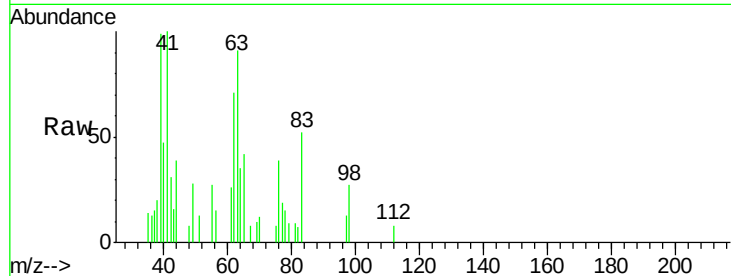
#39  
Methylvlcyclohexane  
Concen: 9.496 ug/l  
RT: 9.34 min Scan# 1220  
Delta R.T. 0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 83      | 100   |       |        |
| 55      | 51.4  | 72.1  | 108.1# |
| 98      | 52.4  | 38.6  | 57.8   |

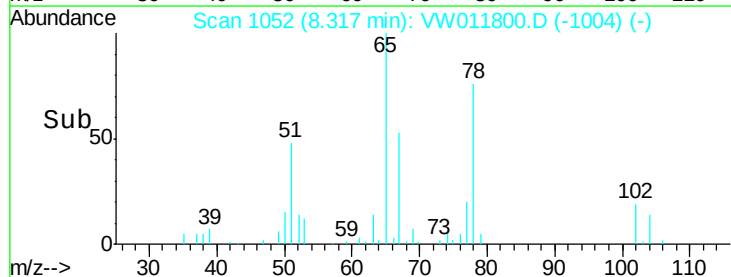
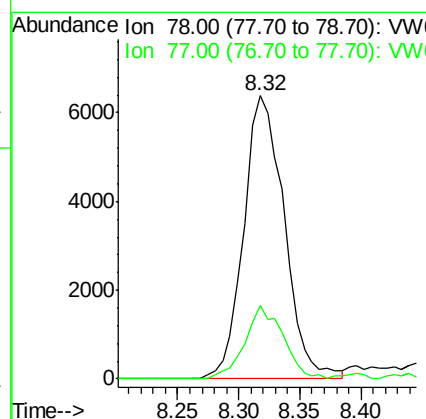
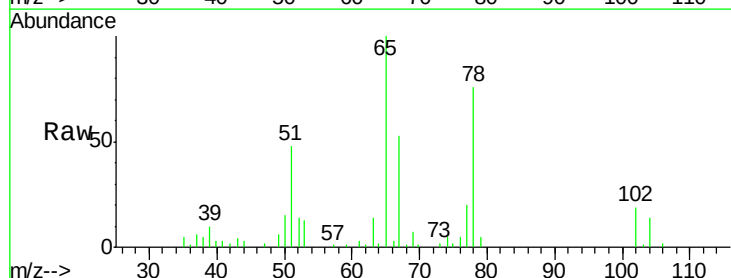
Manual Integrations  
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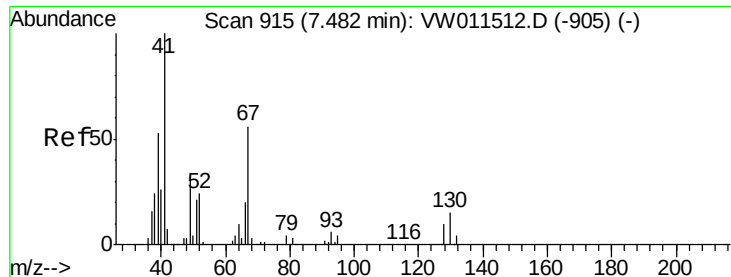


#40  
Benzene  
Concen: 65.795 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 26.1  | 19.4  | 29.0  |







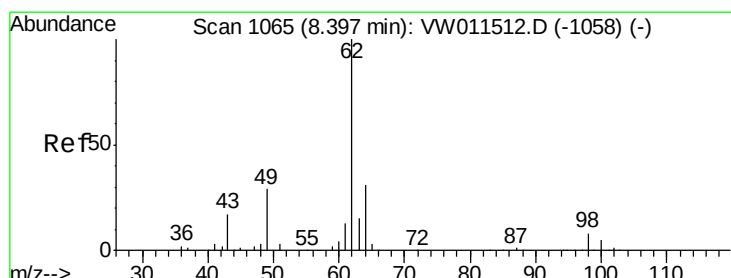
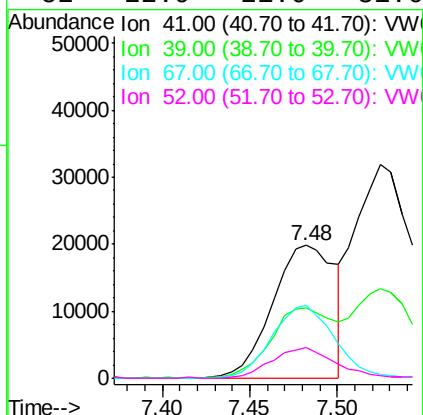
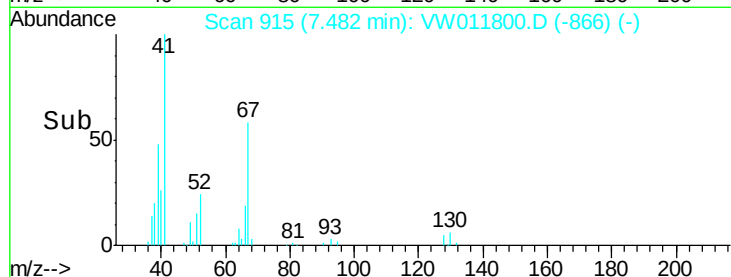
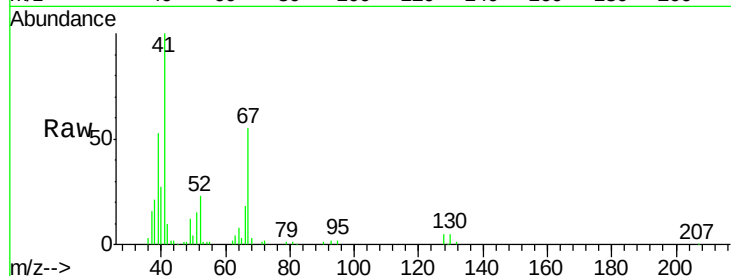
#41  
Methacrylonitrile  
Concen: 1800.342 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 52.8 | 43.0  | 64.4  |       |
| 67      | 55.4 | 47.5  | 71.3  |       |
| 52      | 22.9 | 21.0  | 31.6  |       |

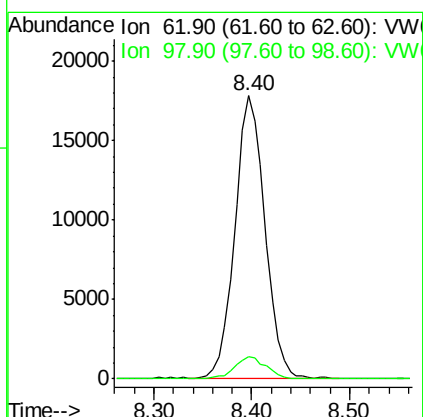
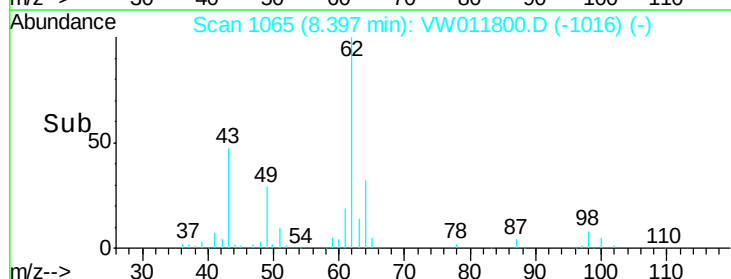
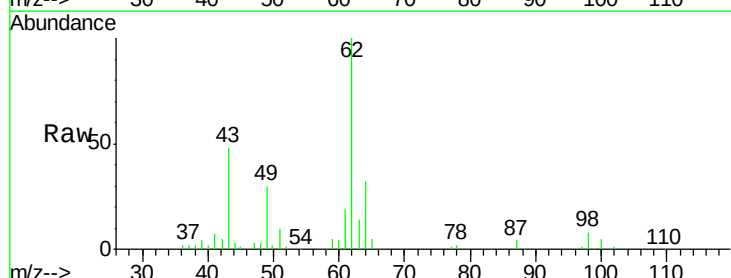
Manual Integrations  
APPROVED

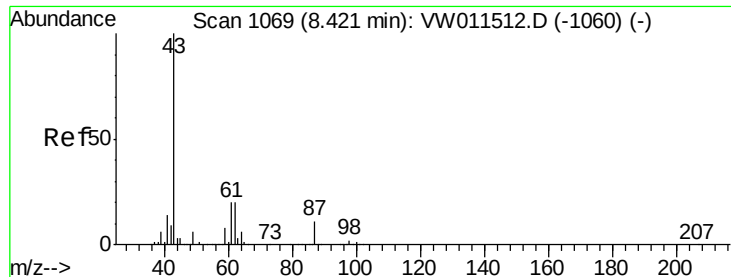
MMDadoda  
8/9/2019 10:55:06 AM



#42  
1,2-Dichloroethane  
Concen: 541.829 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.2 | 0.0   | 16.8  |       |





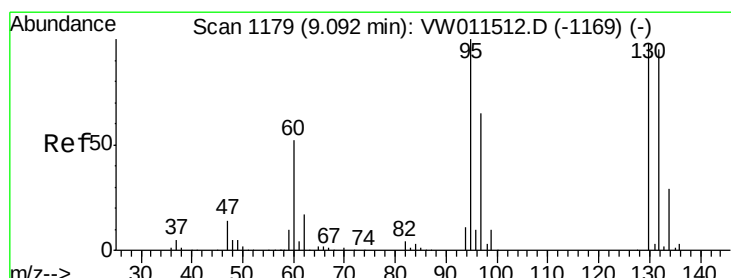
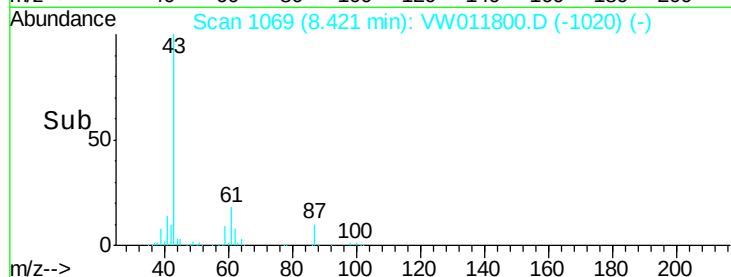
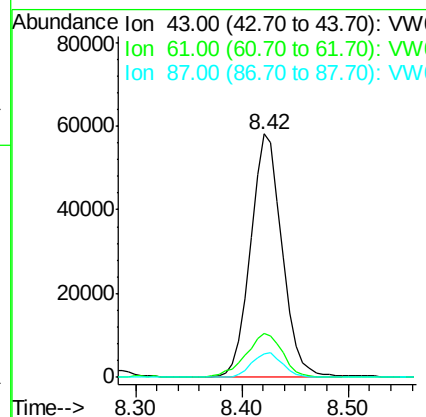
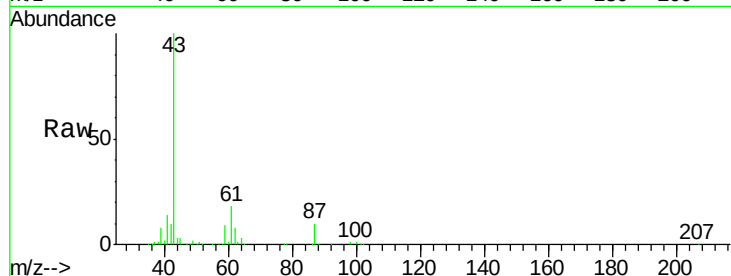
#43  
Isopropyl Acetate  
Concen: 1416.012 ug/l  
RT: 8.42 min Scan# 1069  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.4  | 21.5  | 32.3# |
| 87      | 10.0  | 8.4   | 12.6  |

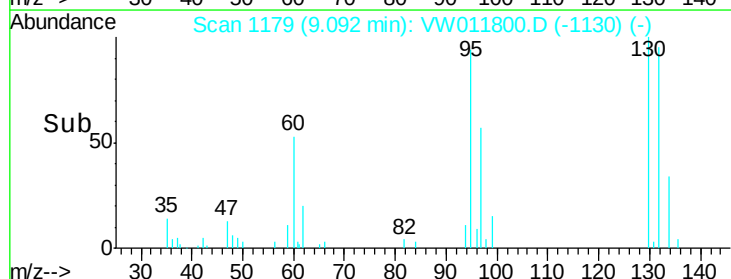
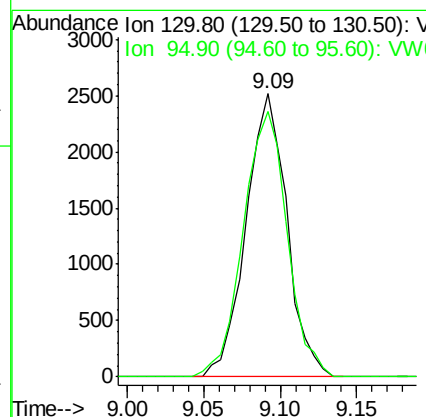
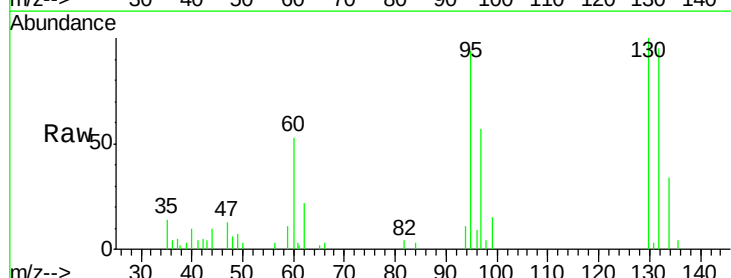
Manual Integrations  
APPROVED

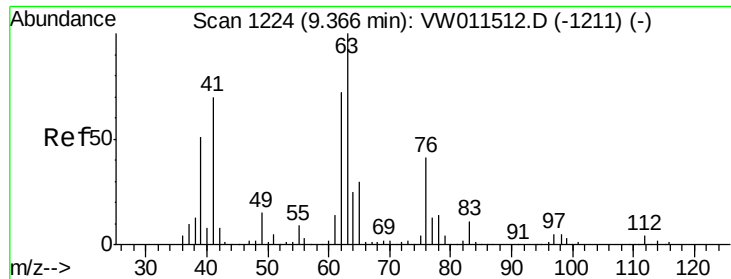
MMDadoda  
8/9/2019 10:55:06 AM



#44  
Trichloroethene  
Concen: 86.809 ug/l  
RT: 9.09 min Scan# 1179  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.6  | 0.0   | 204.8 |





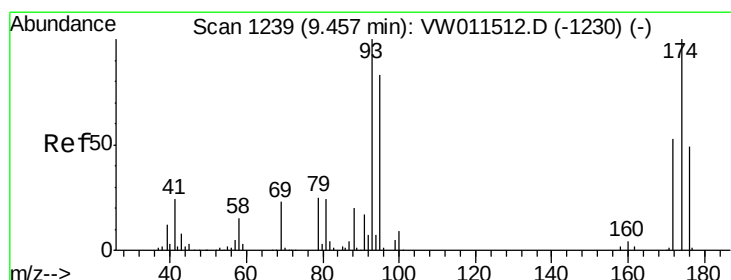
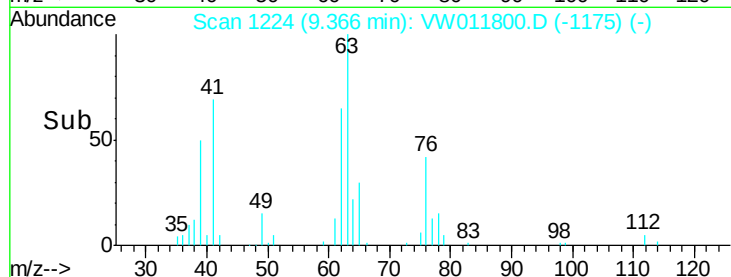
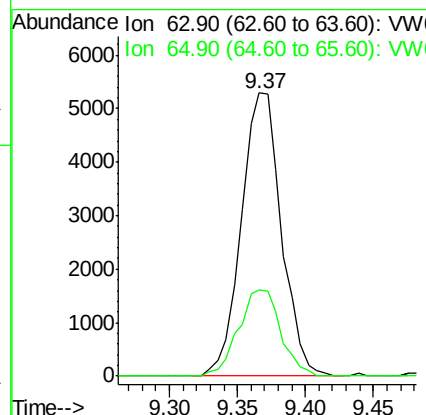
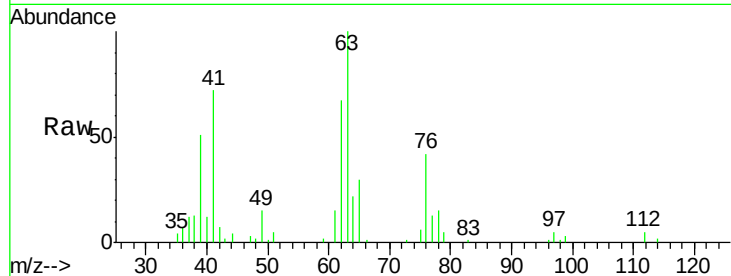
#45  
 1,2-Dichloropropane  
 Concen: 181.543 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.4  | 24.2  | 36.4  |

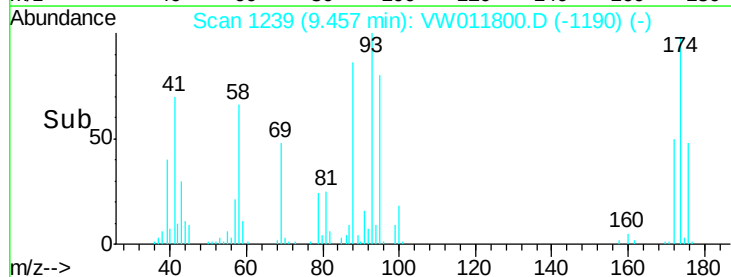
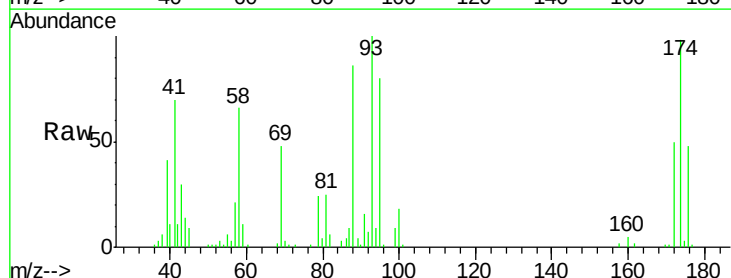
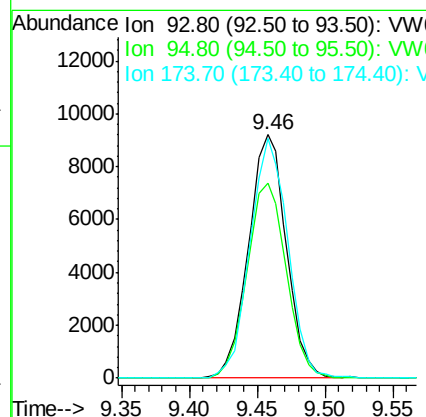
Manual Integrations  
 APPROVED

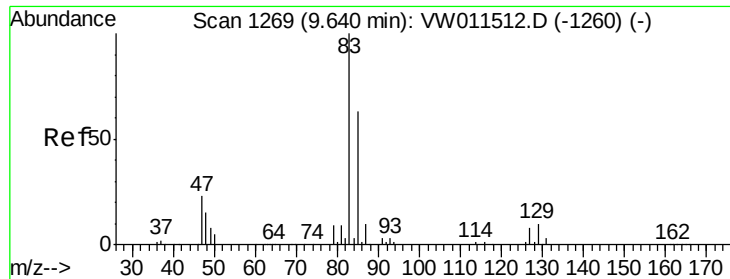
MMDadoda  
 8/9/2019 10:55:06 AM



#46  
 Dibromomethane  
 Concen: 656.545 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.9  | 66.2  | 99.2  |
| 174     | 98.4  | 78.2  | 117.4 |





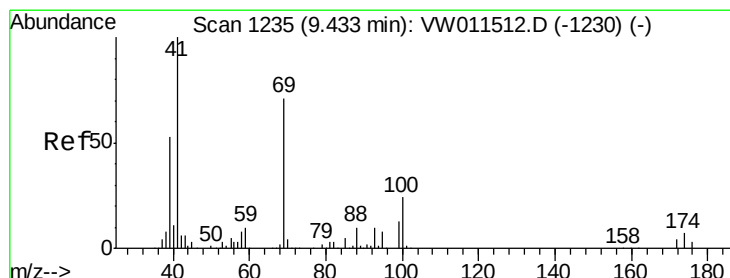
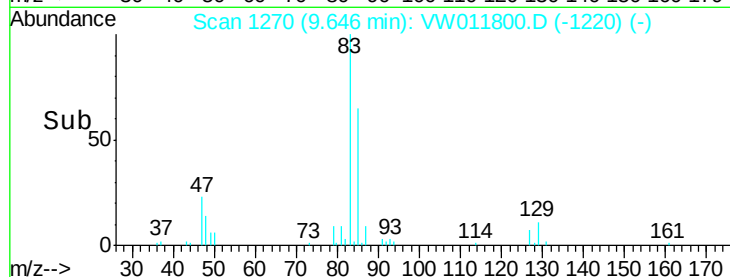
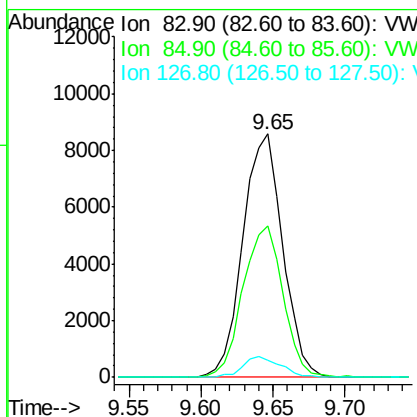
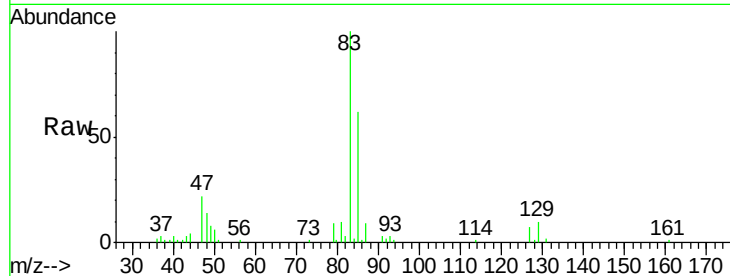
#47  
Bromodichloromethane  
Concen: 228.362 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. 0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83   | Resp  | 16402 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 62.1 | 50.5  | 75.7  |
| 127       | 7.1  | 6.4   | 9.6   |

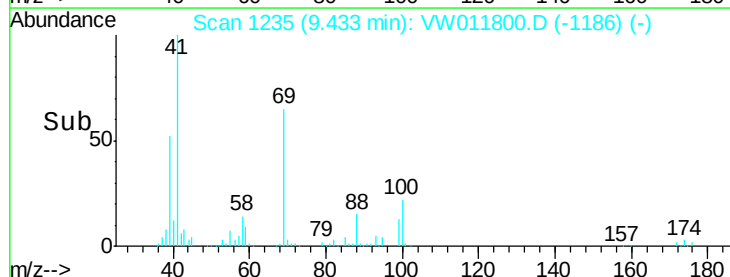
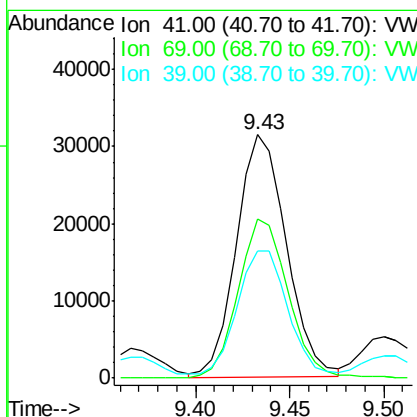
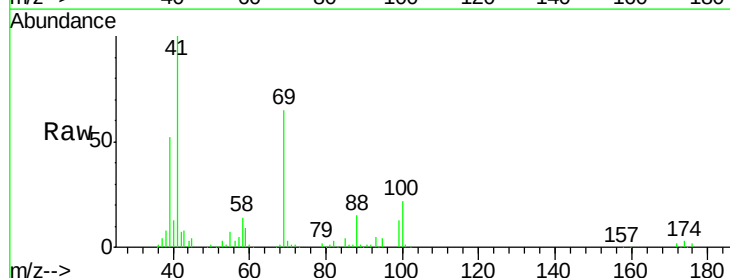
Manual Integrations  
APPROVED

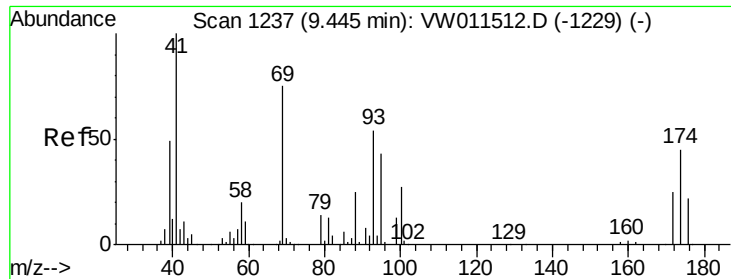
MMDadoda  
8/9/2019 10:55:06 AM



#48  
Methyl methacrylate  
Concen: 1424.484 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion   | 41   | Resp  | 57953 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 65.7 | 57.1  | 85.7  |
| 39        | 53.8 | 45.4  | 68.2  |





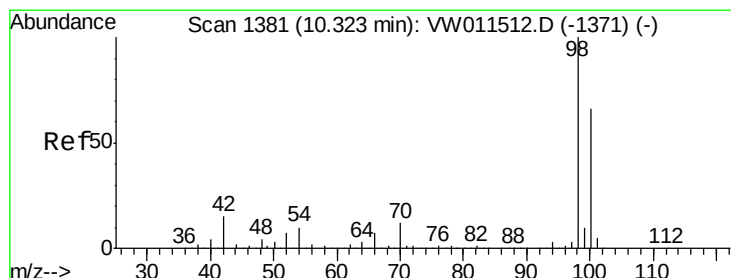
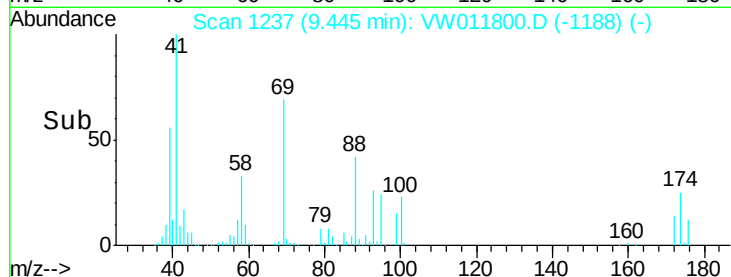
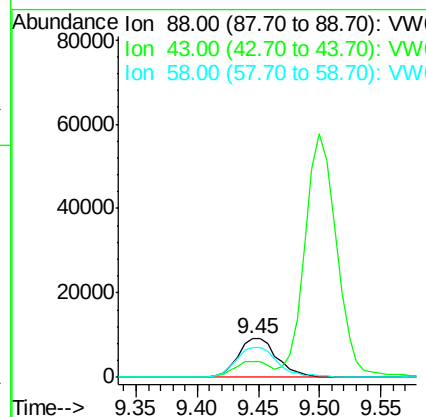
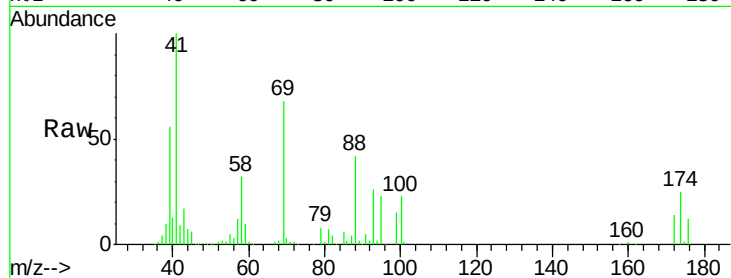
#49  
1,4-Dioxane  
Concen: 52206.738 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 88    | Resp  | 20698 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 38.7  | 34.0  | 51.0  |
| 58      | 83.8  | 69.7  | 104.5 |

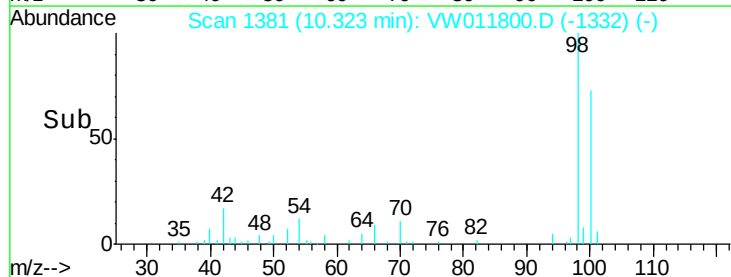
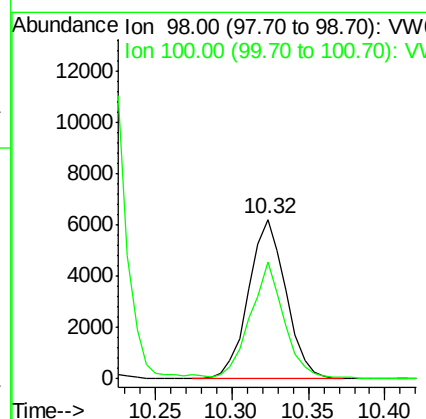
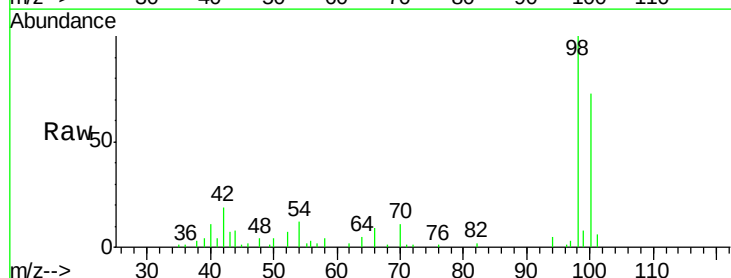
Manual Integrations  
APPROVED

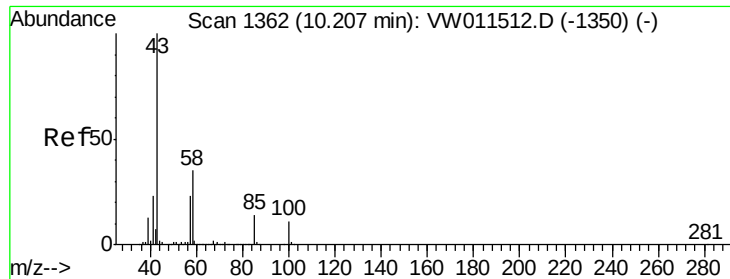
MMDadoda  
8/9/2019 10:55:06 AM



#50  
Toluene-d8  
Concen: 59.948 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | 98    | Resp  | 10600 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 98      | 100   |       |       |
| 100     | 66.7  | 52.7  | 79.1  |





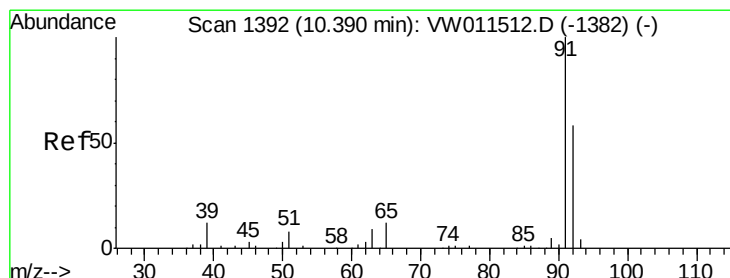
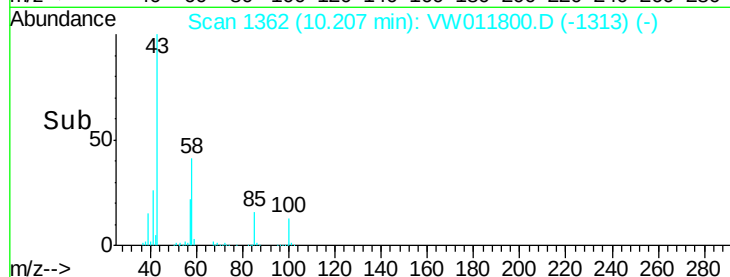
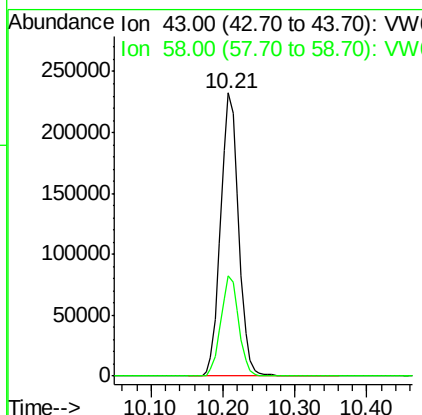
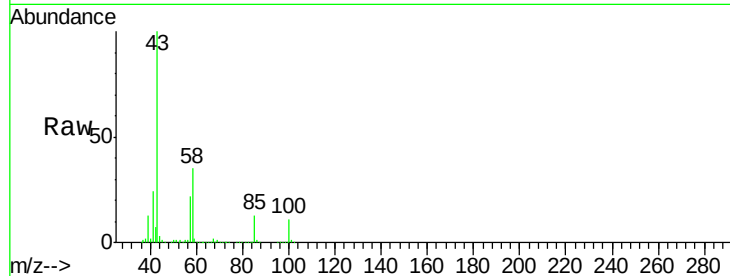
#51  
4-Methyl-2-Pentanone  
Concen: 9192.867 ug/l  
RT: 10.21 min Scan# 1362  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDCCC050EC

| Tot Ion   | 43   | Resp  | 404975 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 58        | 35.2 | 28.2  | 42.2   |

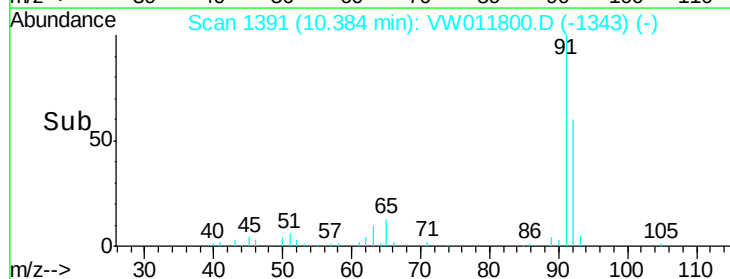
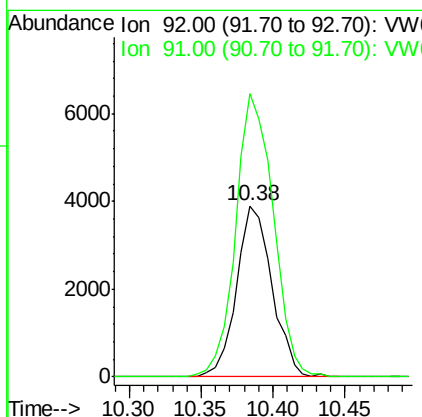
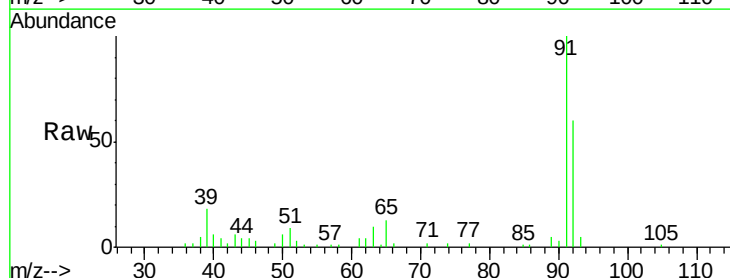
Manual Integrations  
APPROVED

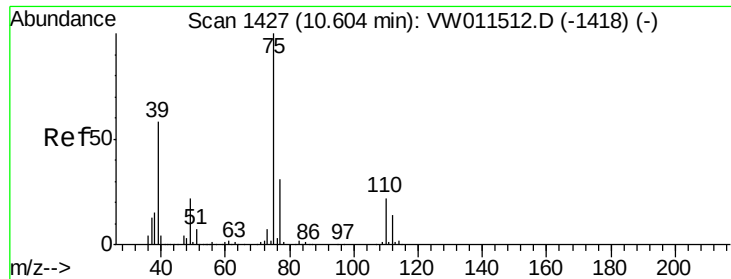
MMDadoda  
8/9/2019 10:55:06 AM



#52  
Toluene  
Concen: 49.202 ug/l  
RT: 10.38 min Scan# 1391  
Delta R.T. -0.01 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion   | 92    | Resp  | 6662  |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 91        | 175.5 | 136.7 | 205.1 |





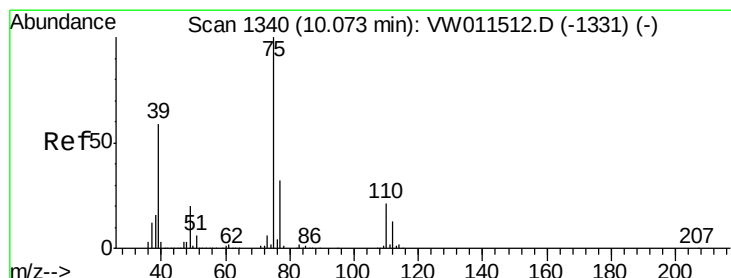
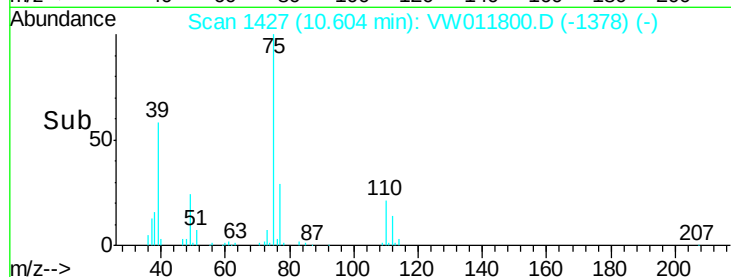
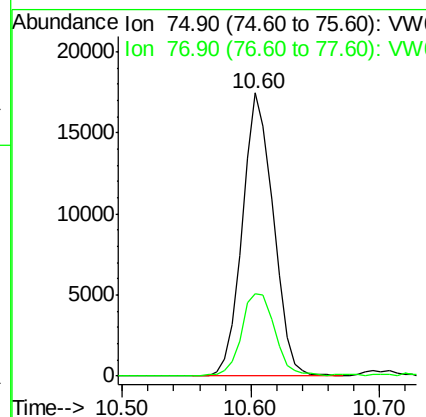
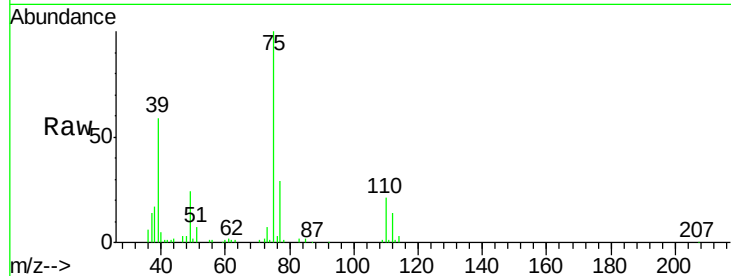
#53  
 t-1,3-Dichloropropene  
 Concen: 386.506 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 28.8  | 25.0  | 37.4  |

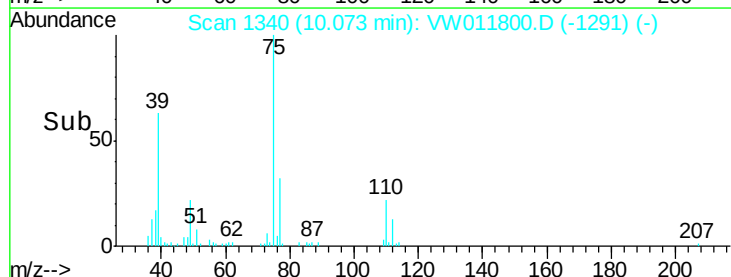
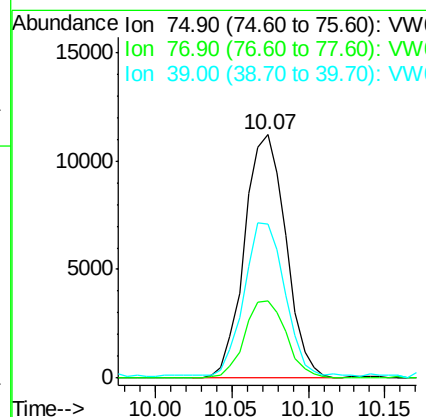
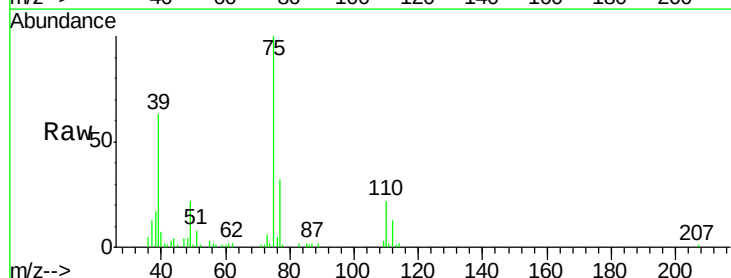
Manual Integrations  
 APPROVED

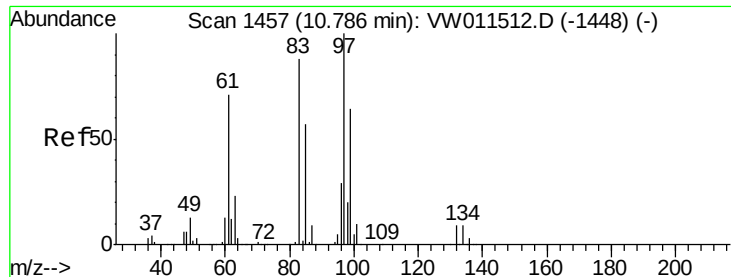
MMDadoda  
 8/9/2019 10:55:06 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 236.468 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 25.6  | 38.4  |
| 39      | 62.4  | 47.0  | 70.4  |





#55

1,1,2-Trichloroethane

Concen: 680.774 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

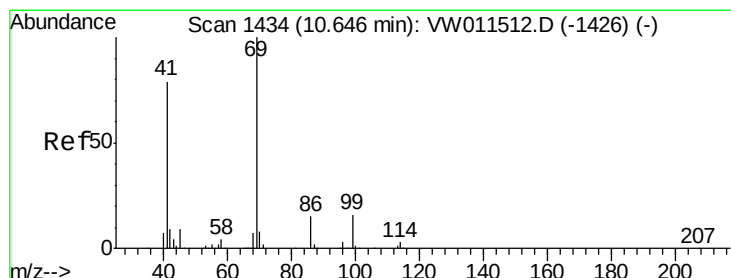
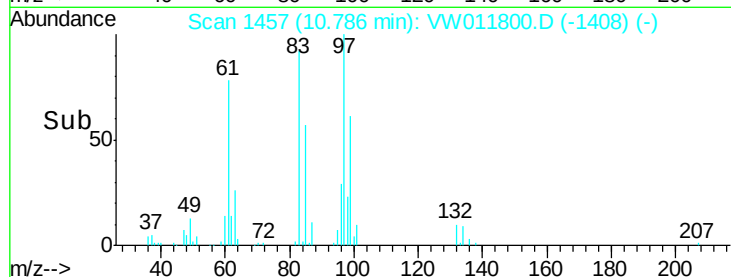
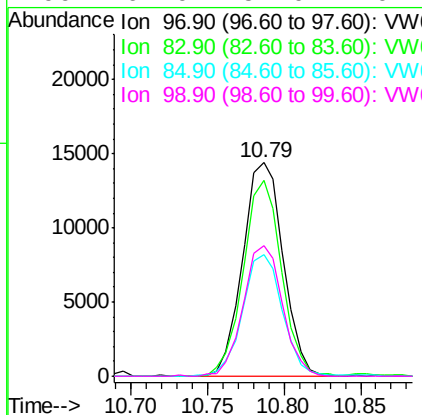
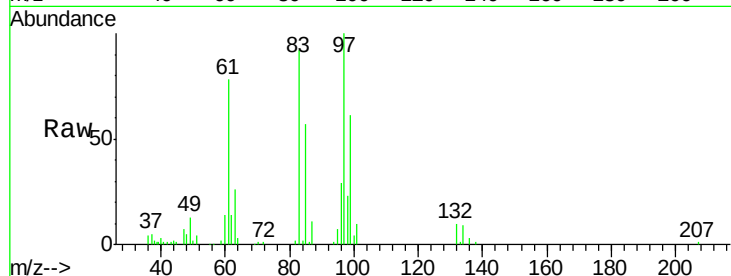
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 26448 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.7  | 70.5  | 105.7 |
| 85       | 57.1  | 45.8  | 68.6  |
| 99       | 61.0  | 51.0  | 76.4  |

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#56

Ethyl methacrylate

Concen: 959.091 ug/l

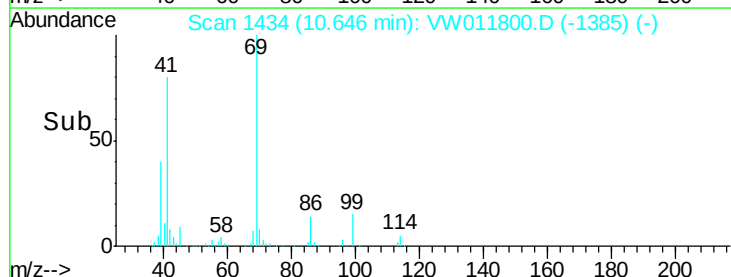
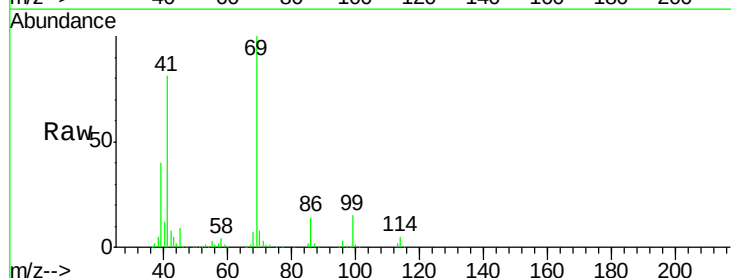
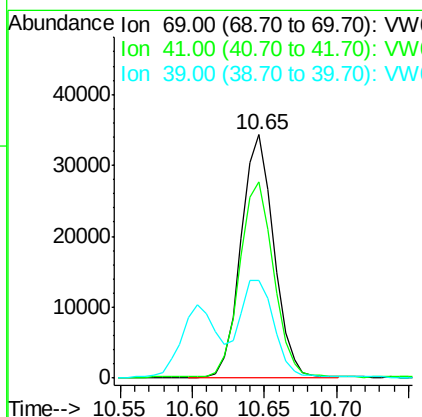
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

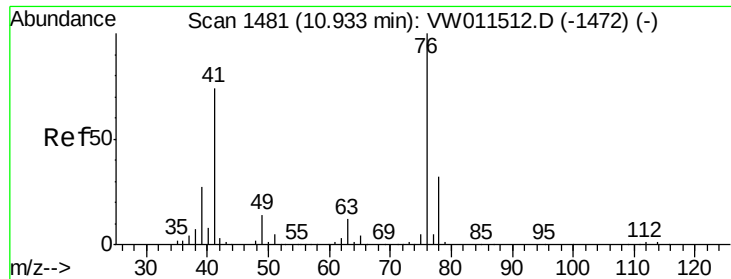
Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 54524 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 82.8  | 66.6  | 99.8  |
| 39       | 42.2  | 30.3  | 45.5  |







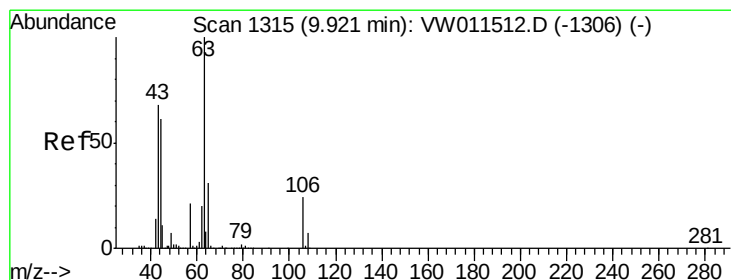
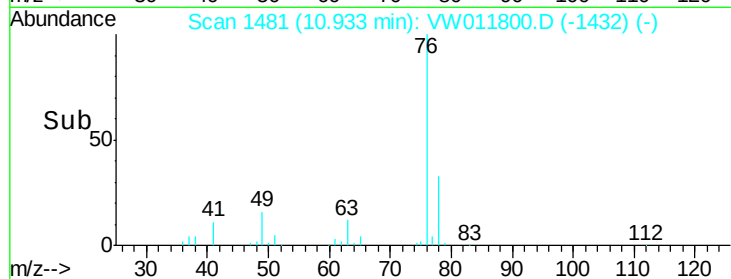
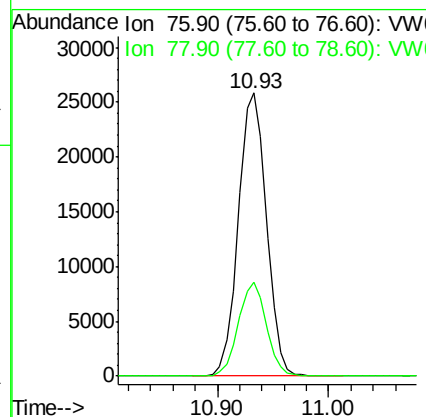
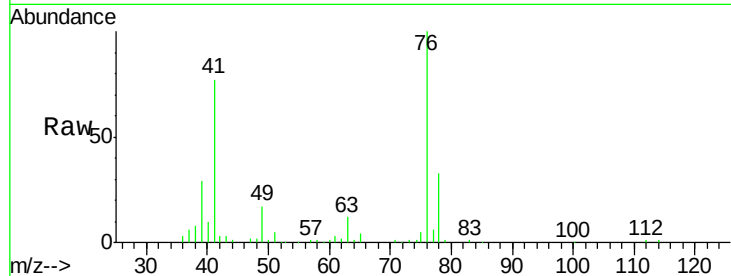
#57  
 1,3-Dichloropropane  
 Concen: 613.211 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 45071  
 Ion Ratio Lower Upper  
 76 100  
 78 33.2 25.2 37.8

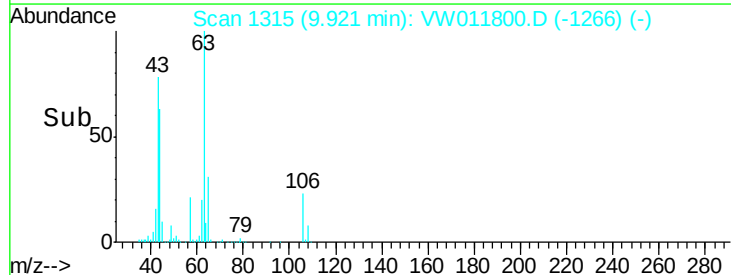
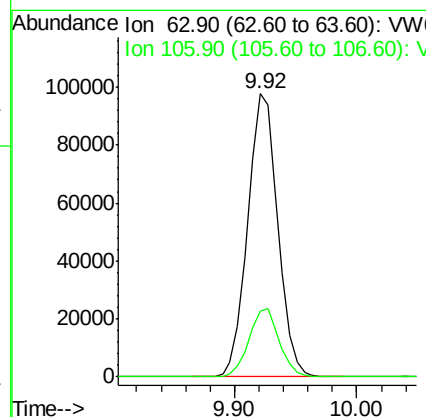
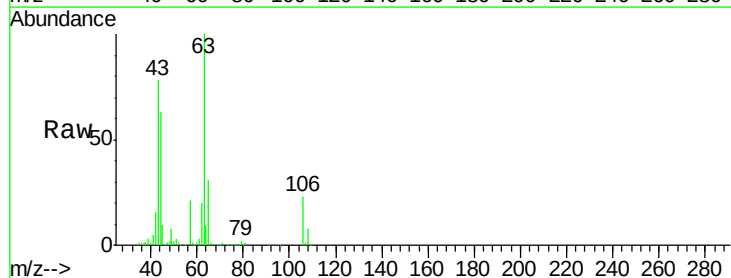
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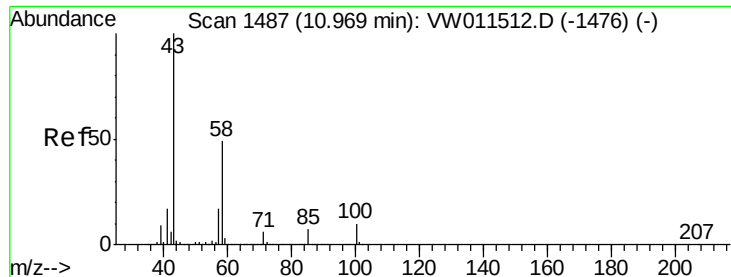
MMDadoda  
 8/9/2019 10:55:06 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 6473.180 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Tgt Ion: 63 Resp: 167086  
 Ion Ratio Lower Upper  
 63 100  
 106 24.1 19.7 29.5





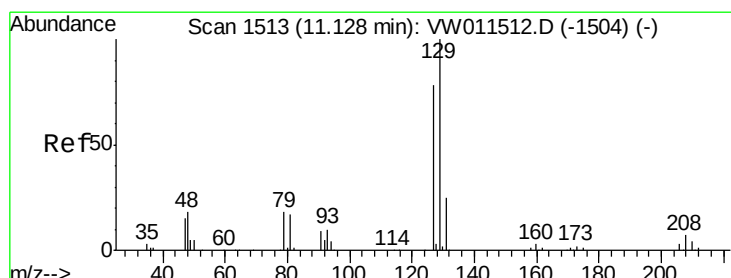
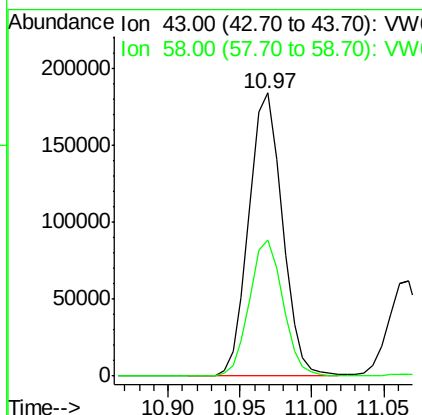
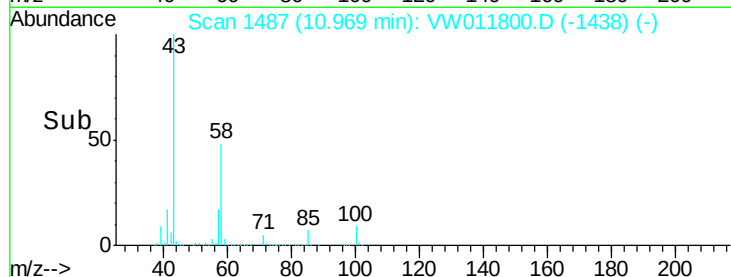
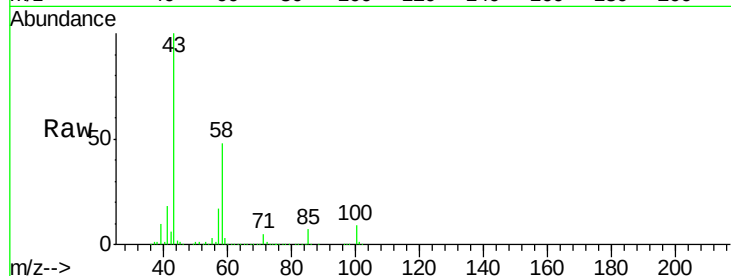
#59  
2-Hexanone  
Concen: 9532.317 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDCCC050EC

| Tot Ion   | 43   | Resp  | 296497 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 48.2 | 24.3  | 72.9   |

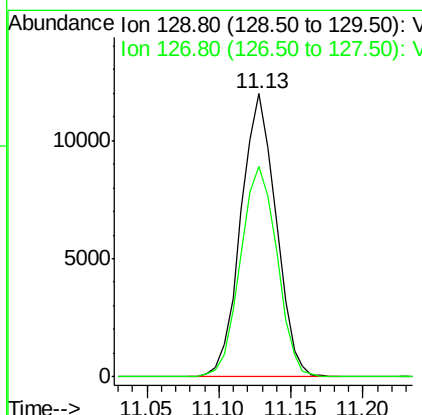
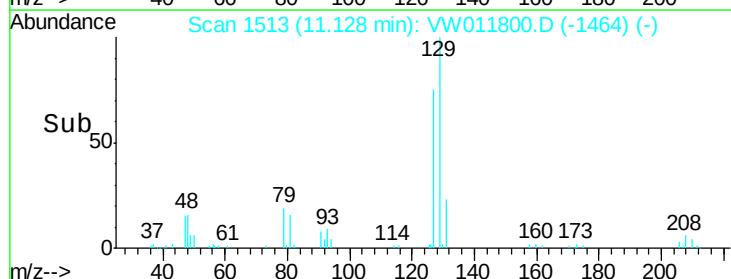
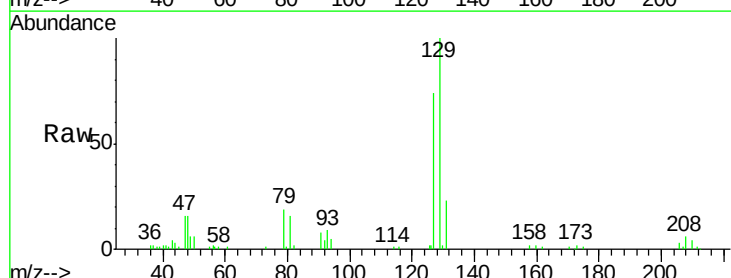
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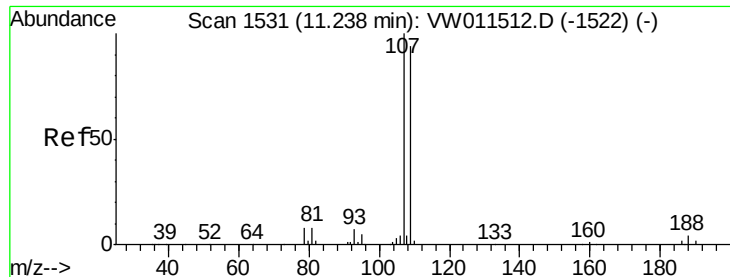
MMDadoda  
8/9/2019 10:55:06 AM



#60  
Dibromochloromethane  
Concen: 470.480 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion   | 129  | Resp  | 20289 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 129       | 100  |       |       |
| 127       | 77.2 | 38.9  | 116.7 |





#61

1,2-Dibromoethane

Concen: 772.583 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 28404

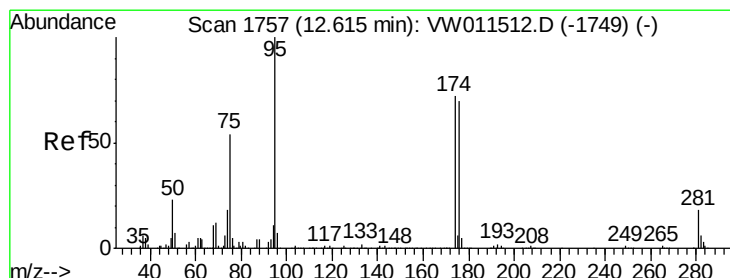
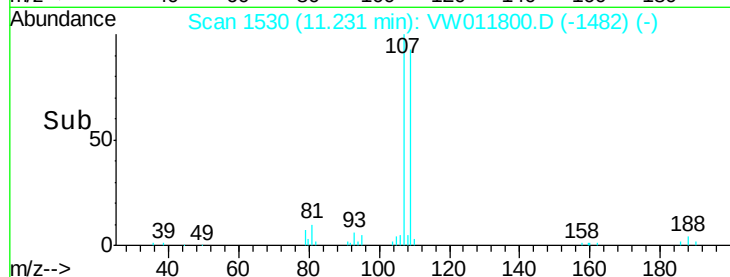
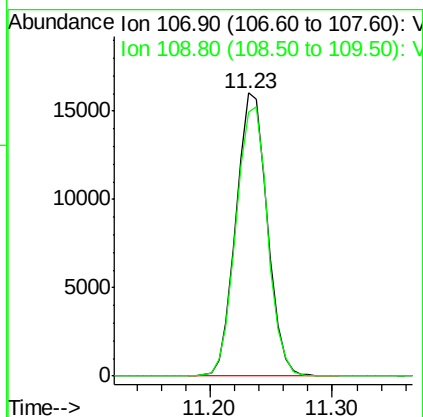
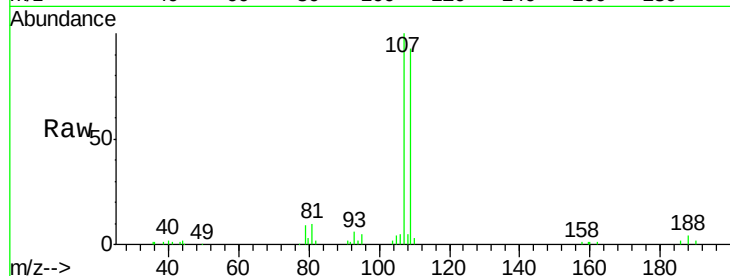
Ion Ratio Lower Upper

107 100

109 96.1 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 130.330 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

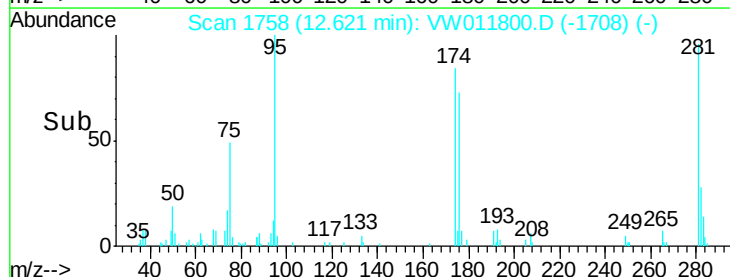
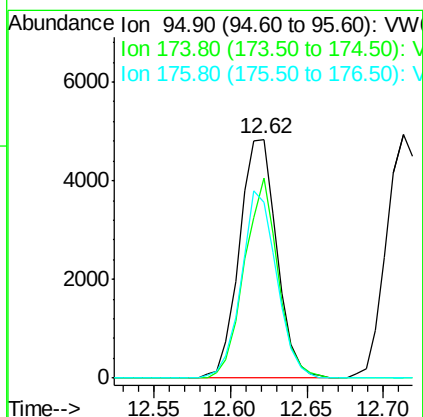
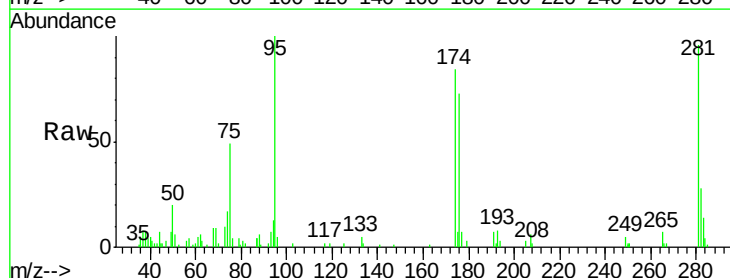
Tgt Ion: 95 Resp: 8216

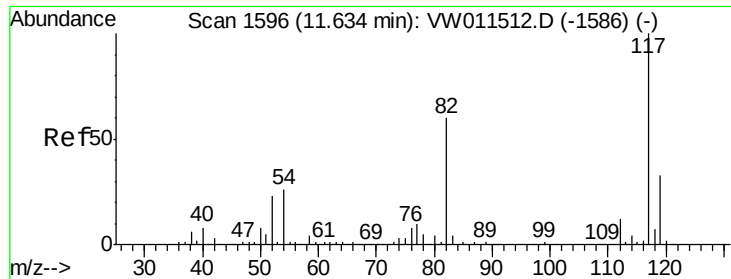
Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.2

176 73.9 0.0 144.4





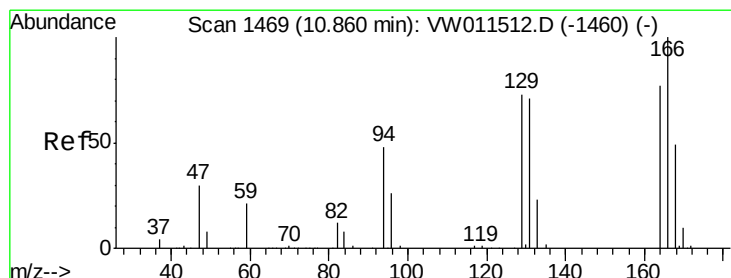
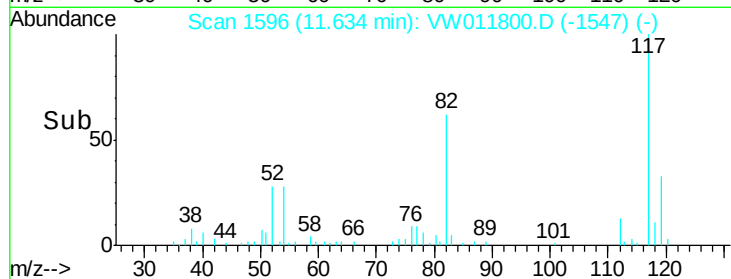
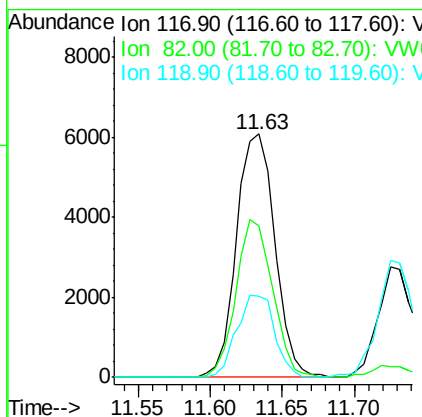
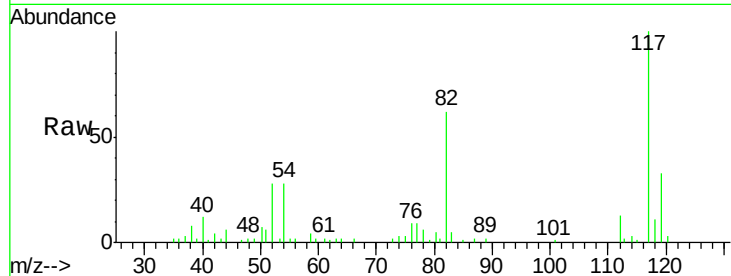
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 62.3  | 47.9  | 71.9  |
| 119     | 33.4  | 26.2  | 39.2  |

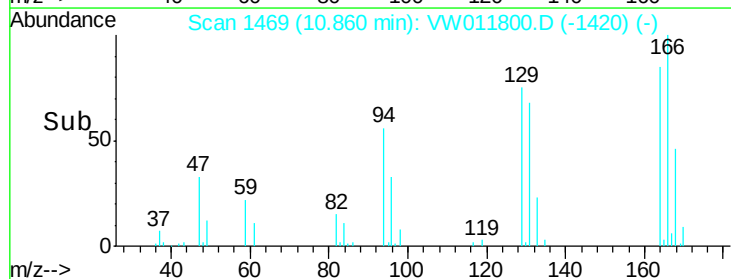
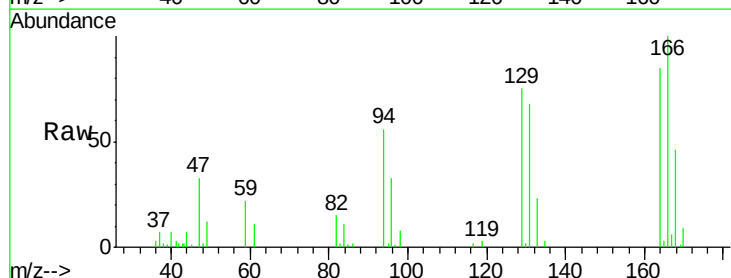
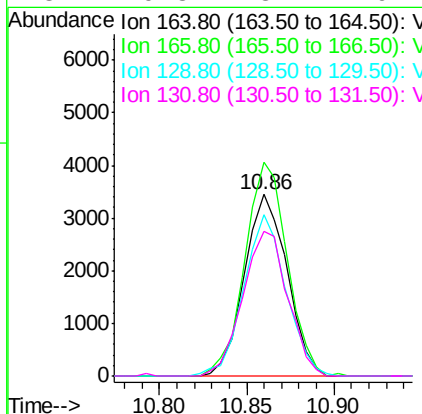
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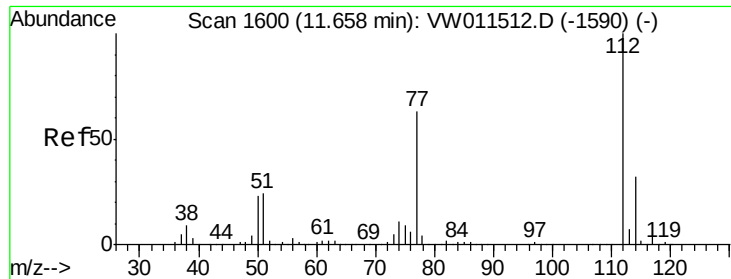
MMDadoda  
8/9/2019 10:55:06 AM



#64  
Tetrachloroethene  
Concen: 79.629 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 117.7 | 103.5 | 155.3 |
| 129     | 88.7  | 75.2  | 112.8 |
| 131     | 79.8  | 73.4  | 110.2 |





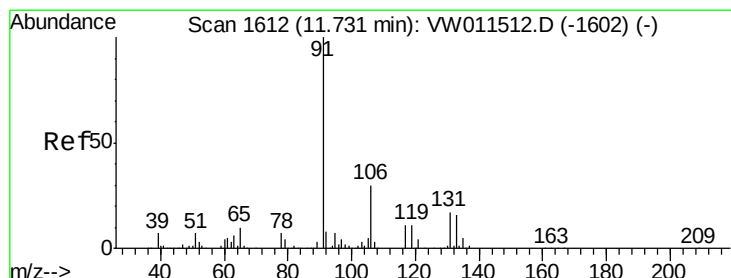
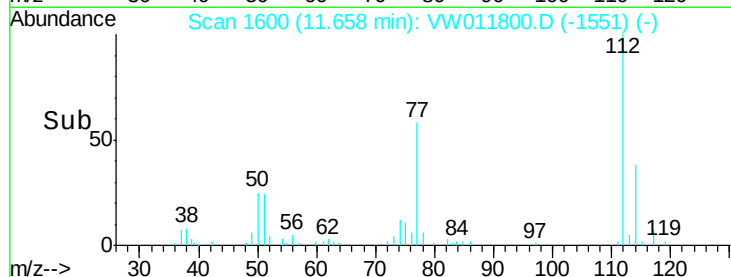
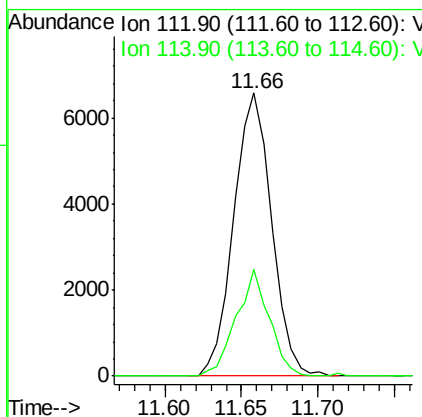
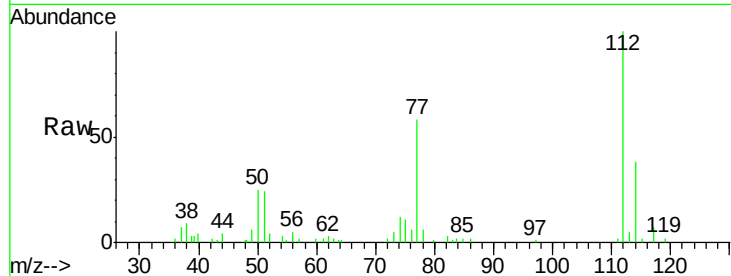
#65  
Chlorobenzene  
Concen: 49.797 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 11275  
Ion Ratio Lower Upper  
112 100  
114 37.8 25.6 38.4

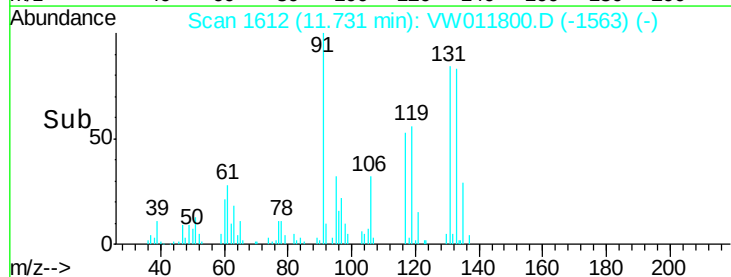
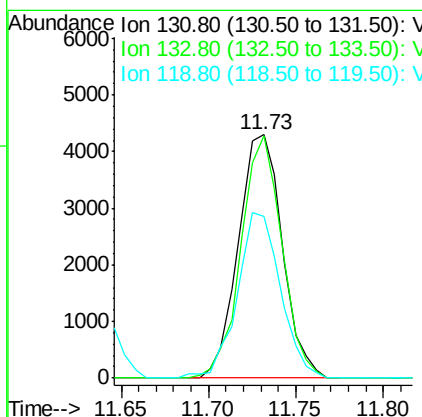
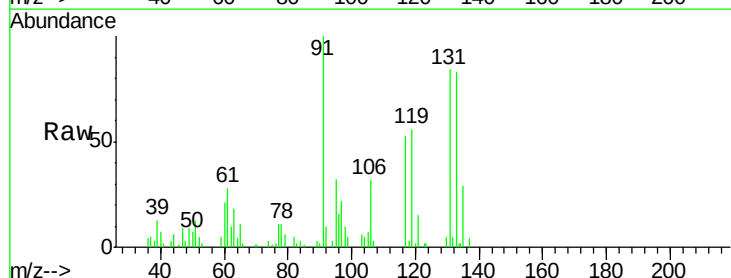
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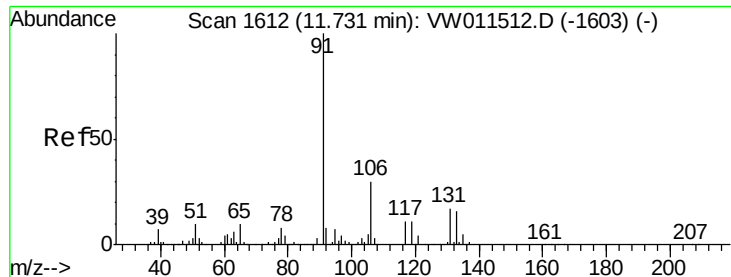
MMDadoda  
8/9/2019 10:55:06 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 95.388 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Tgt Ion:131 Resp: 7523  
Ion Ratio Lower Upper  
131 100  
133 92.4 47.4 142.2  
119 66.5 32.3 96.9





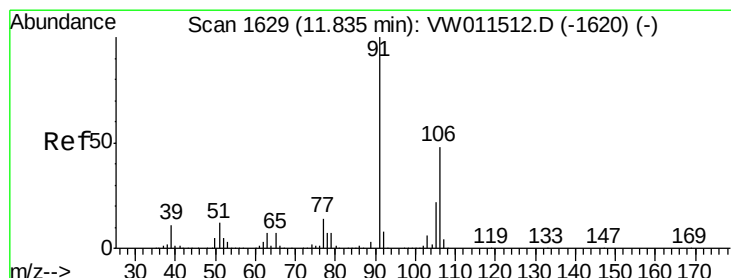
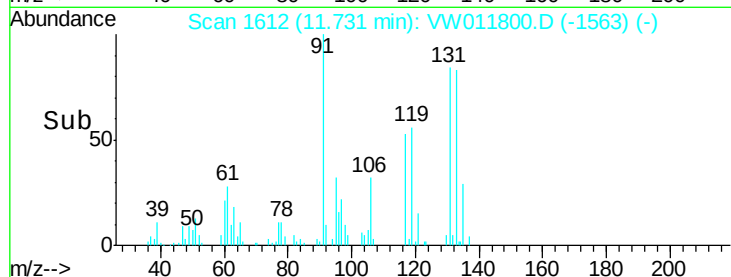
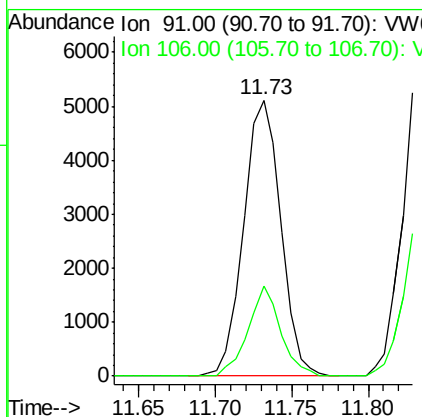
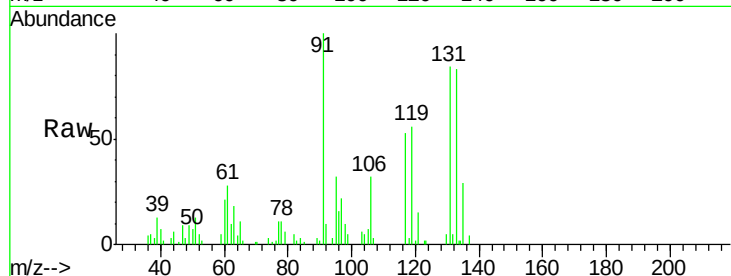
#67  
Ethyl Benzene  
Concen: 20.050 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 8646  
Ion Ratio Lower Upper  
91 100  
106 32.5 23.8 35.6

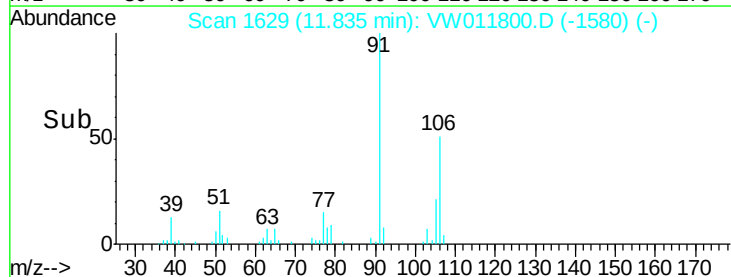
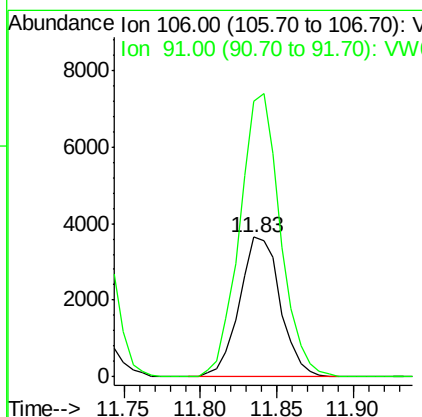
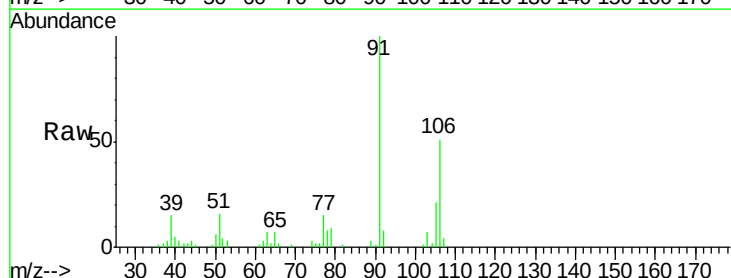
Manual Integrations  
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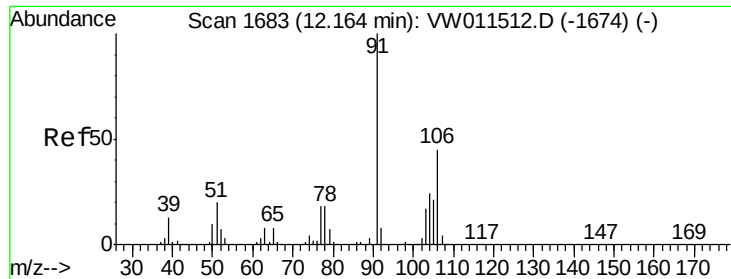
MMDadoda  
8/9/2019 10:55:06 AM



#68  
m/p-Xylenes  
Concen: 43.087 ug/l  
RT: 11.83 min Scan# 1629  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Tgt Ion: 106 Resp: 6757  
Ion Ratio Lower Upper  
106 100  
91 201.8 168.2 252.2





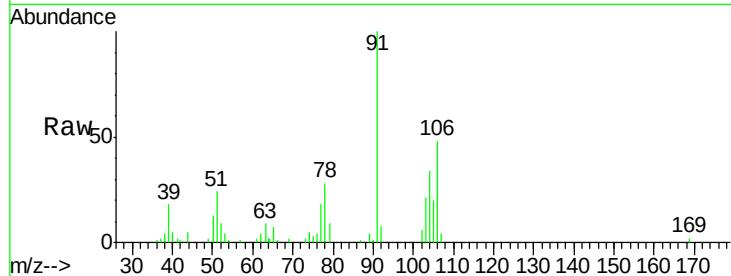
#69  
o-Xylene  
Concen: 34.983 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

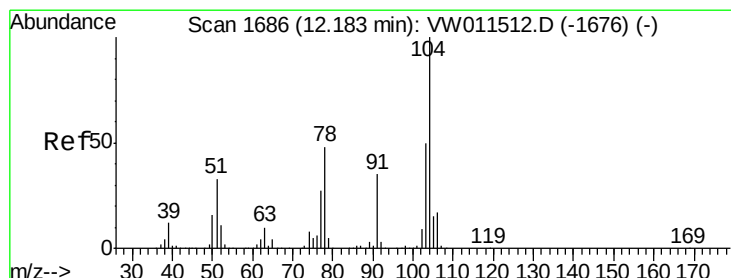
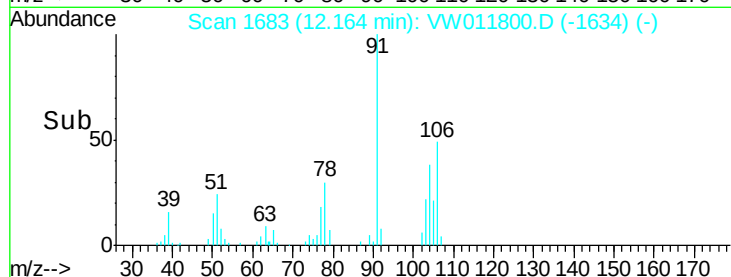
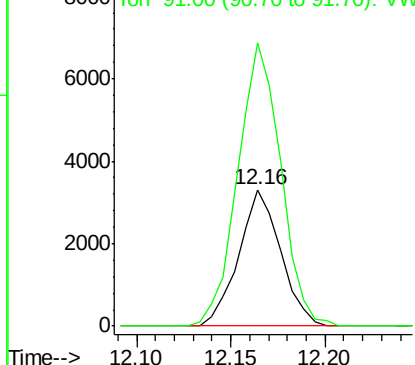
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 212.5 | 110.5 | 331.5 |

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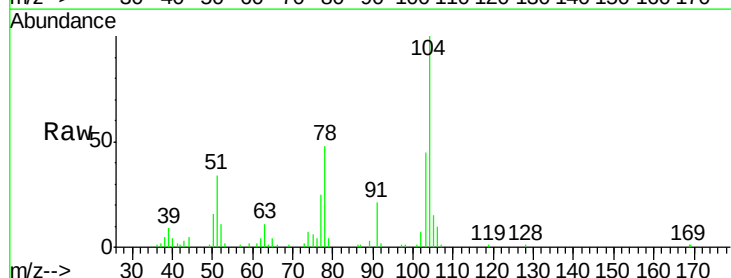


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VV

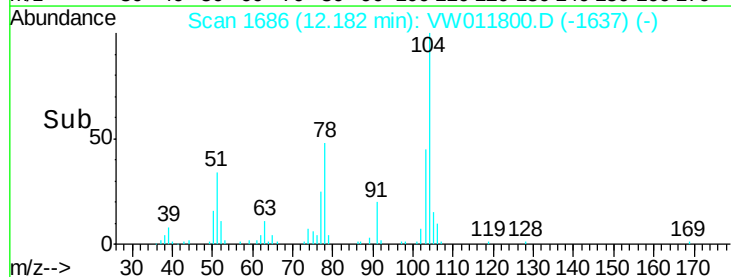
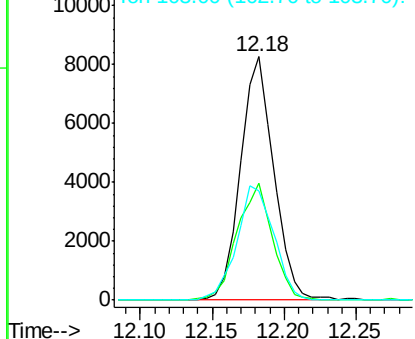


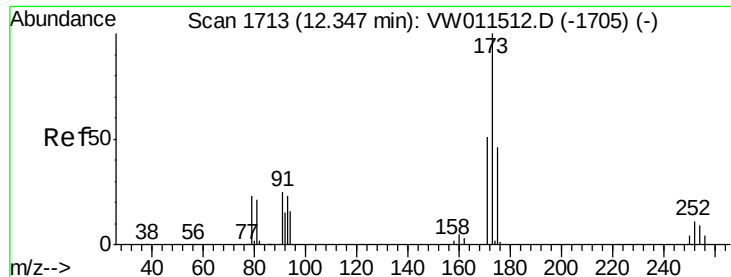
#70  
Styrene  
Concen: 52.535 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 51.1  | 43.4  | 65.0  |
| 103     | 52.1  | 43.9  | 65.9  |



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VV  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 478.147 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 19227

Ion Ratio Lower Upper

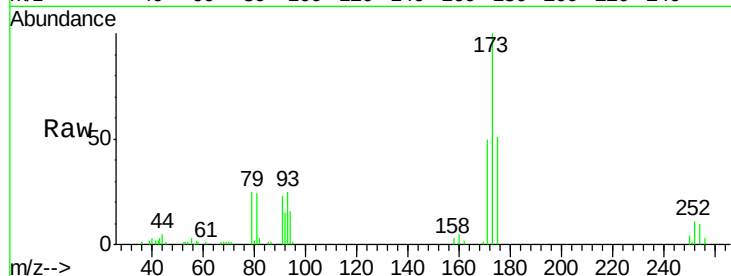
173 100

175 49.3 23.6 71.0

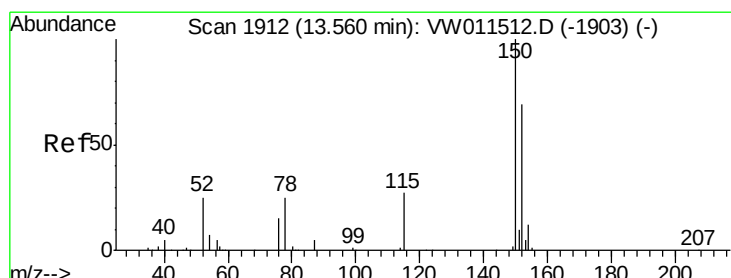
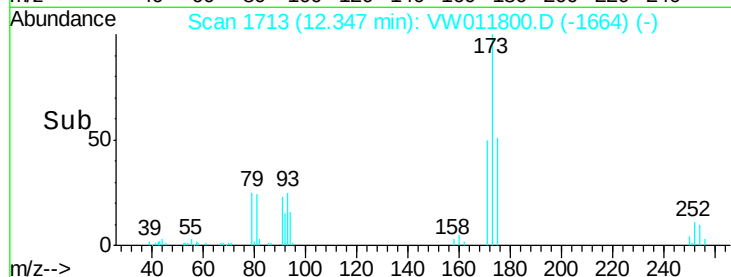
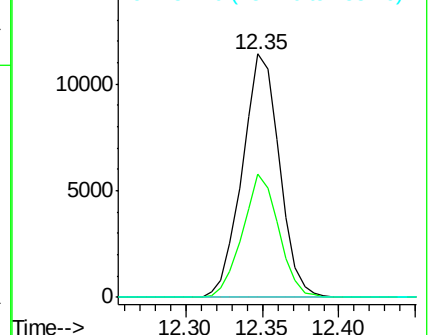
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

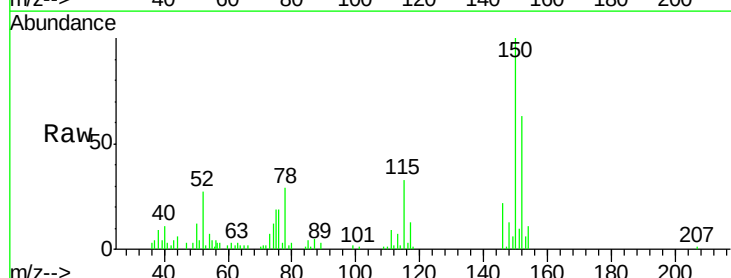
Tgt Ion:152 Resp: 6736

Ion Ratio Lower Upper

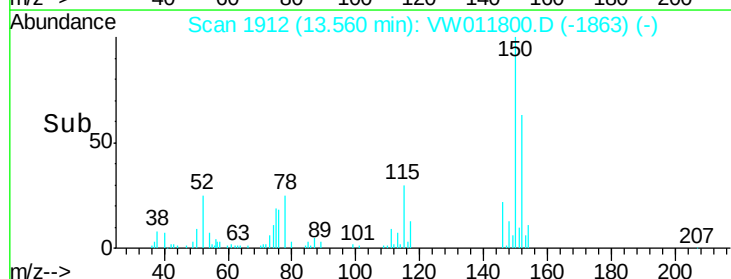
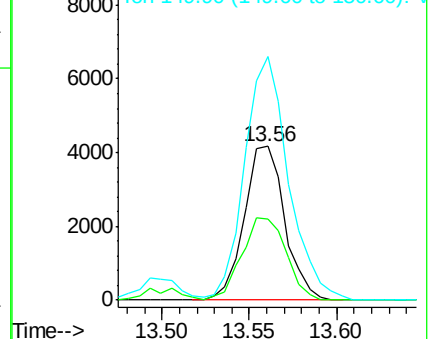
152 100

115 58.4 30.5 91.5

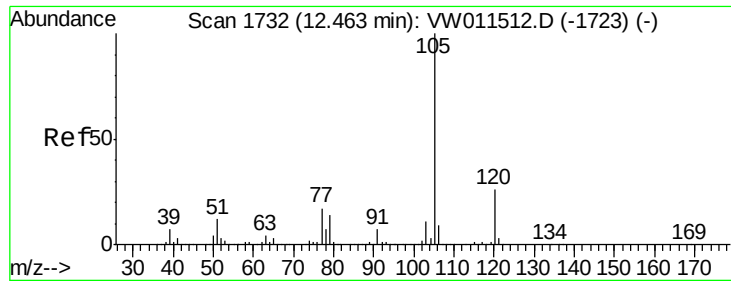
150 171.5 0.0 352.6



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







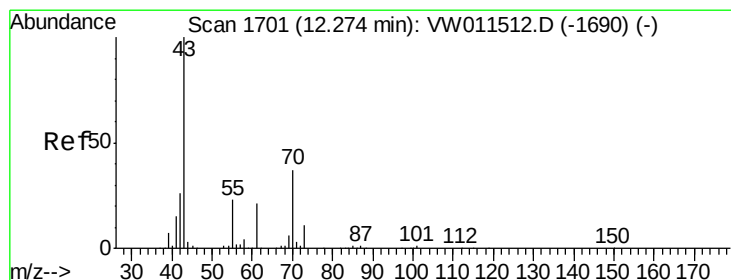
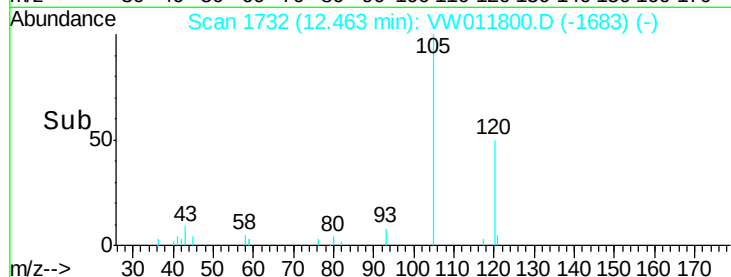
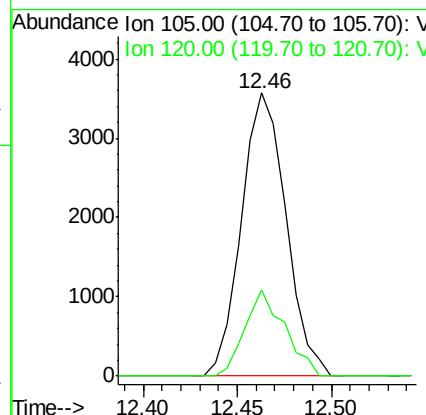
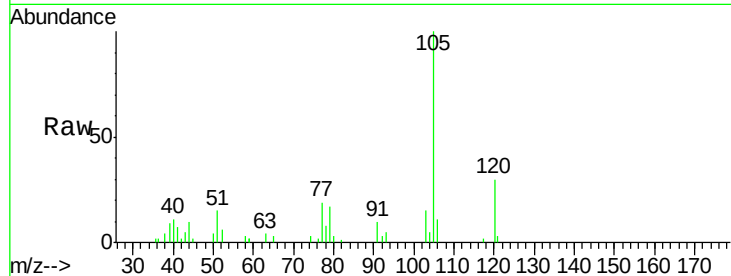
#73  
Isopropylbenzene  
Concen: 11.645 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.2  | 12.9  | 38.7  |

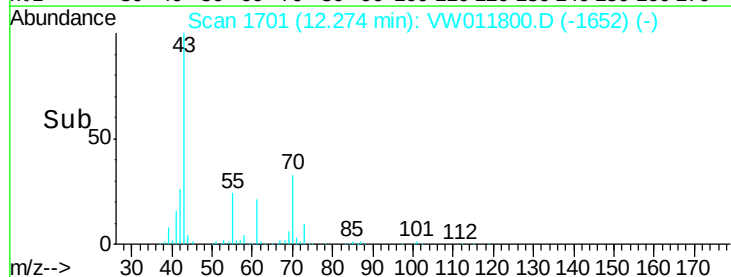
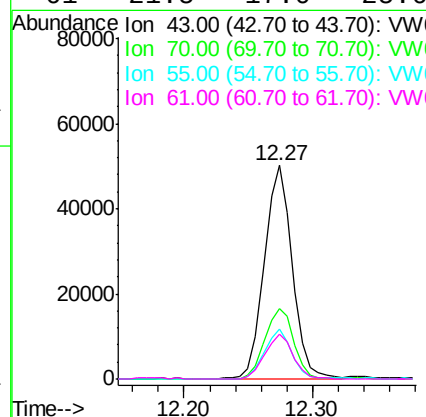
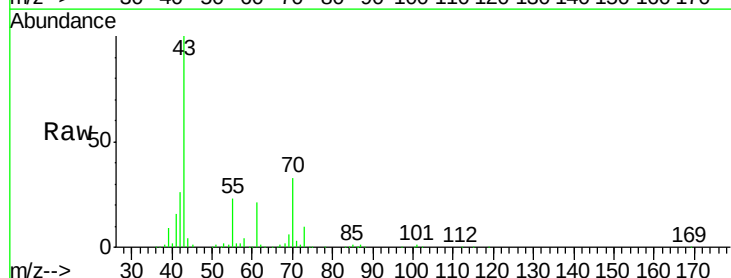
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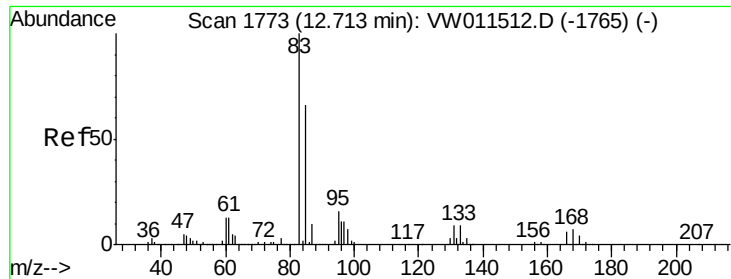
MMDadoda  
8/9/2019 10:55:06 AM



#74  
N-ethyl acetate  
Concen: 475.632 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 34.7  | 28.6  | 43.0  |
| 55      | 22.7  | 17.8  | 26.8  |
| 61      | 21.5  | 17.0  | 25.6  |





#75

1,1,2,2-Tetrachloroethane

Concen: 522.766 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

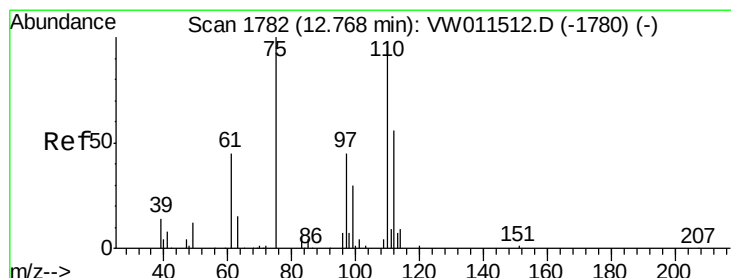
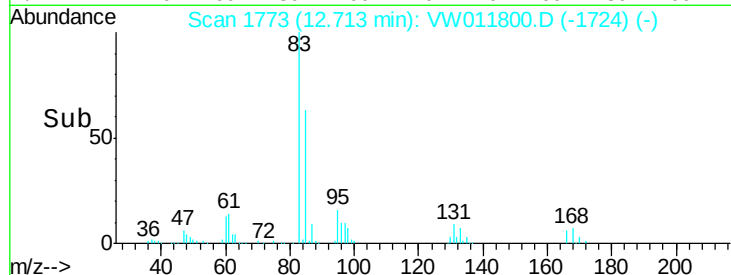
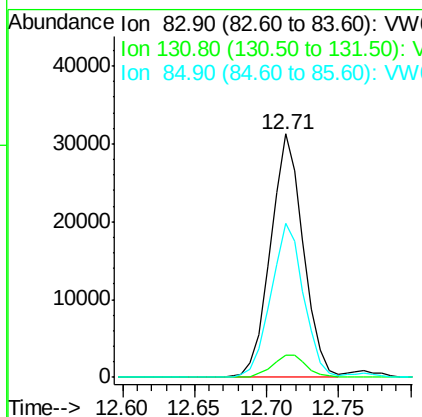
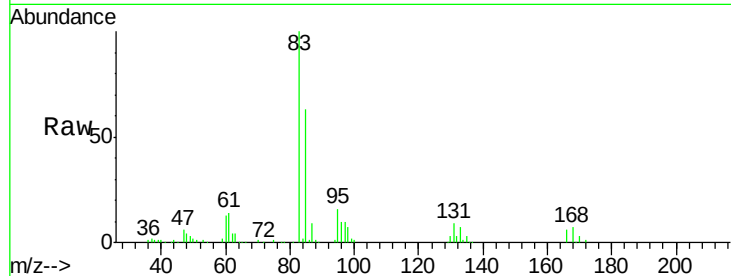
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 49414 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.5   | 4.9   | 14.6  |
| 85        | 63.2  | 31.8  | 95.4  |

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#76

1,2,3-Trichloropropane

Concen: 572.293 ug/l m

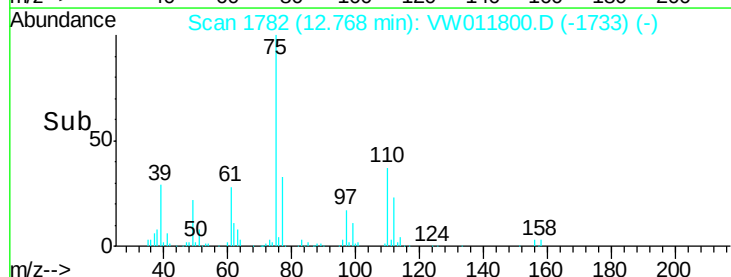
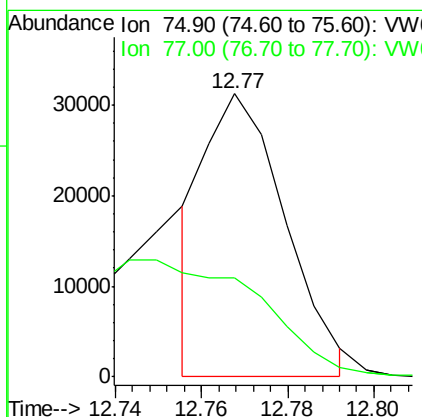
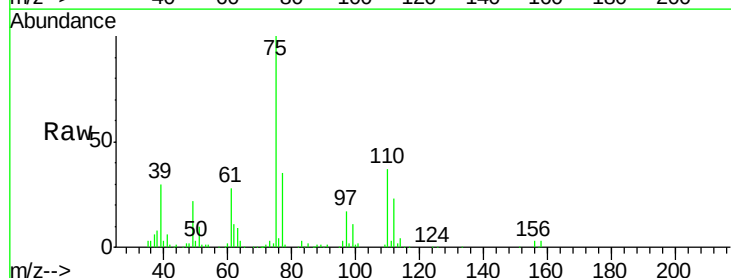
RT: 12.77 min Scan# 1782

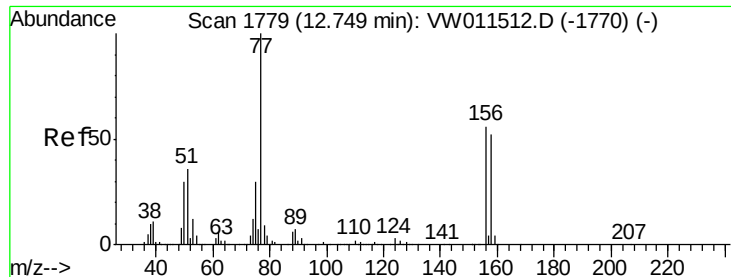
Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 40790 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 75.392 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 8374

Ion Ratio Lower Upper

156 100

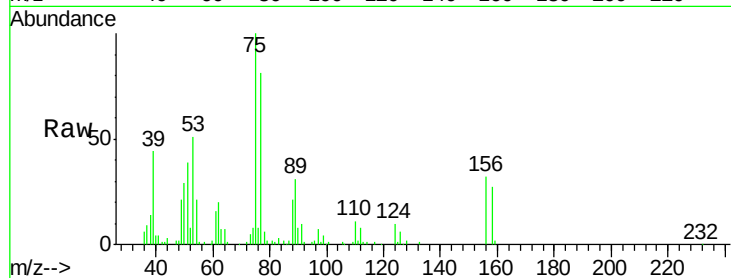
77 433.4 106.5 319.4#

158 92.9 48.0 144.2

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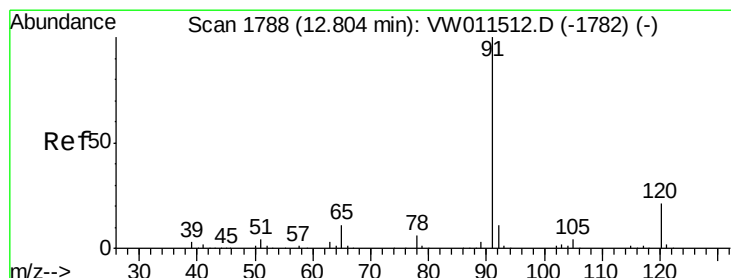
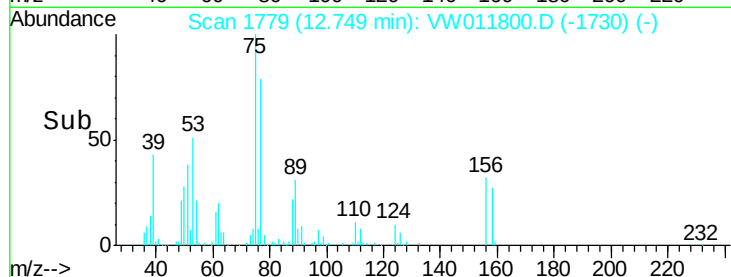
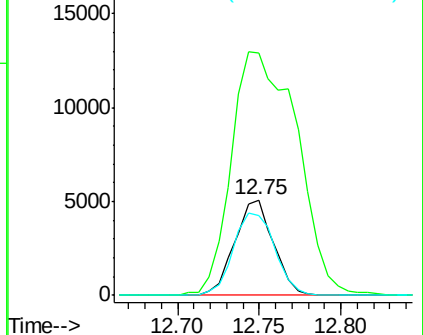
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 11.681 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011800.D

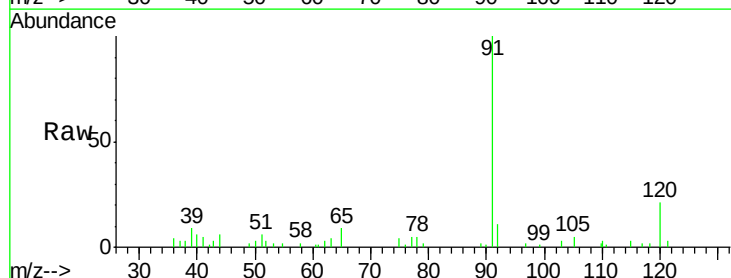
Acq: 09 Aug 2019 05:48

Tgt Ion: 91 Resp: 7144

Ion Ratio Lower Upper

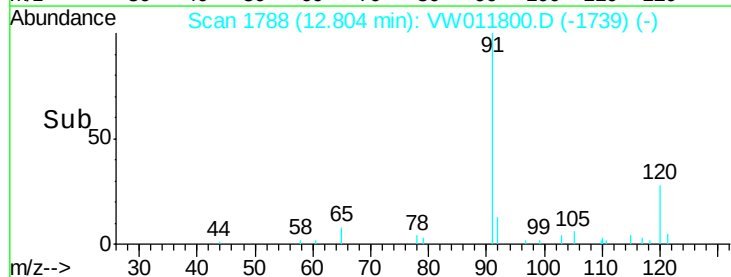
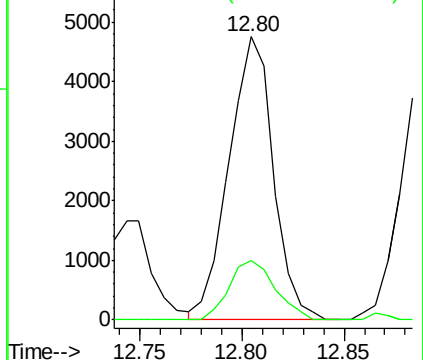
91 100

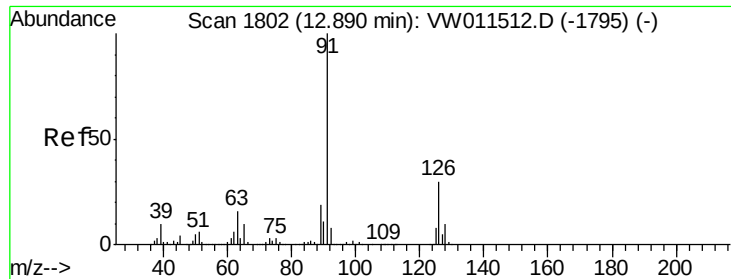
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.213 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 8531

Ion Ratio Lower Upper

91 100

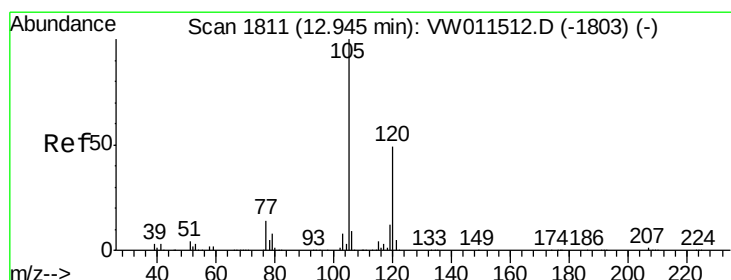
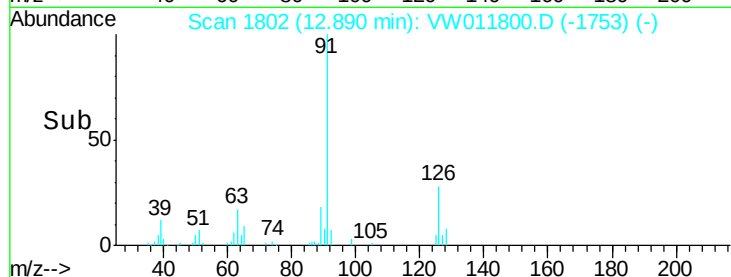
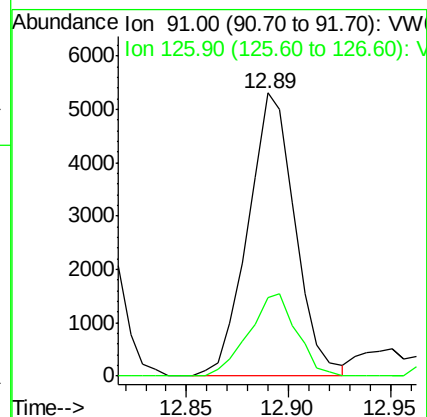
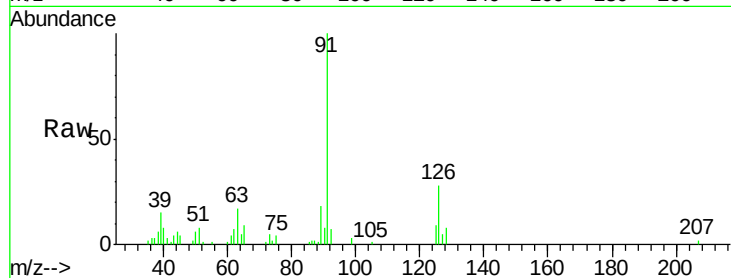
126 29.6 15.7 47.1

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#80

1,3,5-Trimethylbenzene

Concen: 16.589 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011800.D

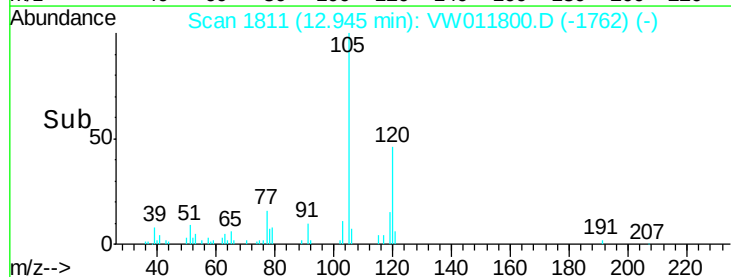
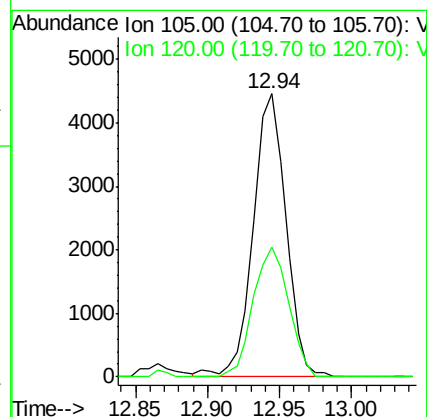
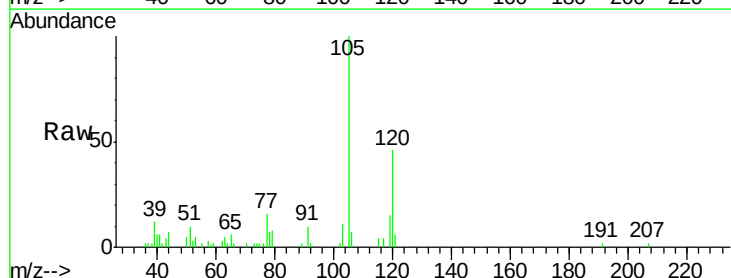
Acq: 09 Aug 2019 05:48

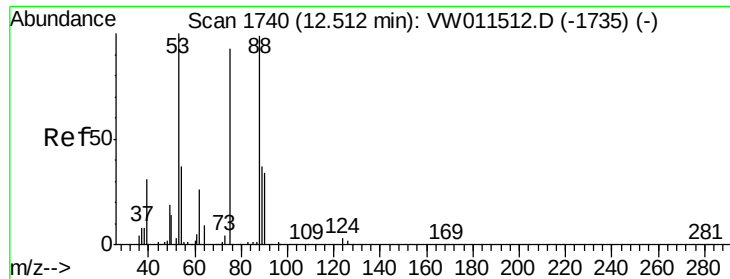
Tgt Ion: 105 Resp: 6988

Ion Ratio Lower Upper

105 100

120 49.5 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 502.322 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

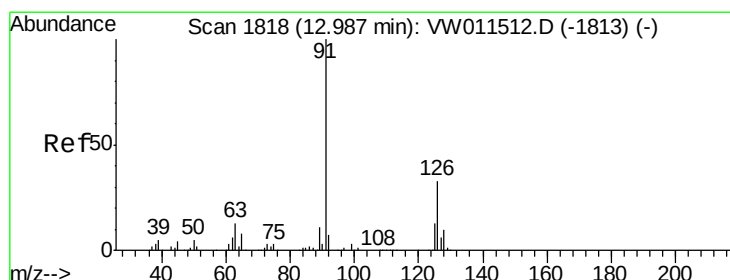
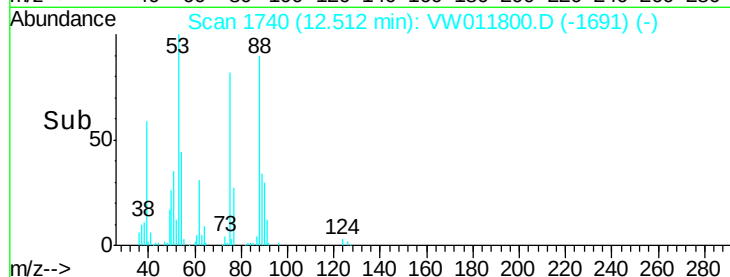
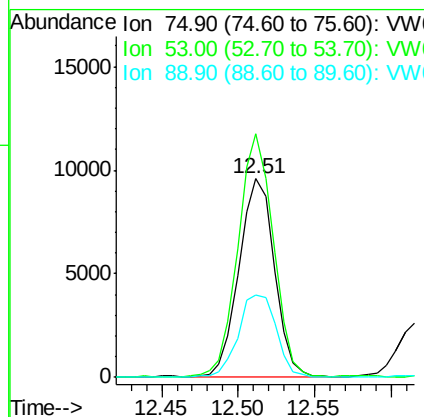
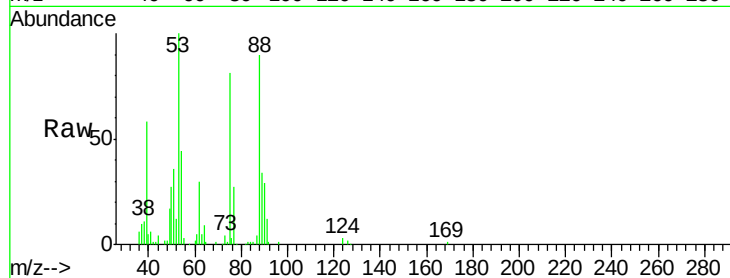
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 15535 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 121.7 | 88.0  | 132.0 |
| 89       | 44.4  | 35.3  | 52.9  |

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#82

4-Chlorotoluene

Concen: 27.290 ug/l

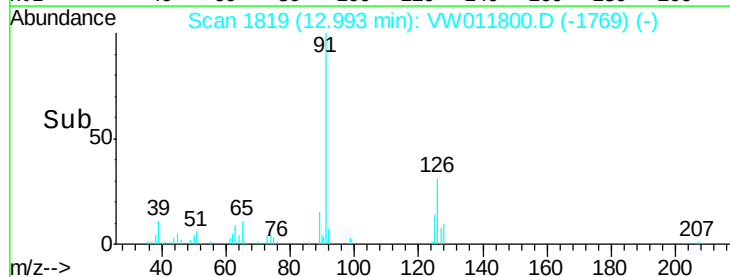
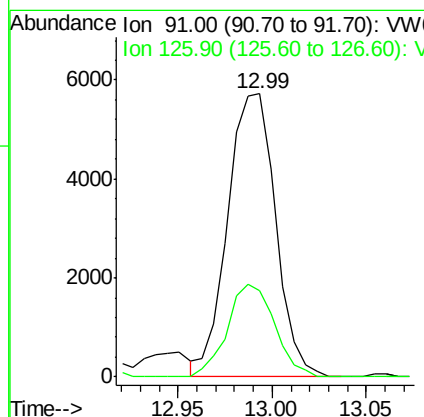
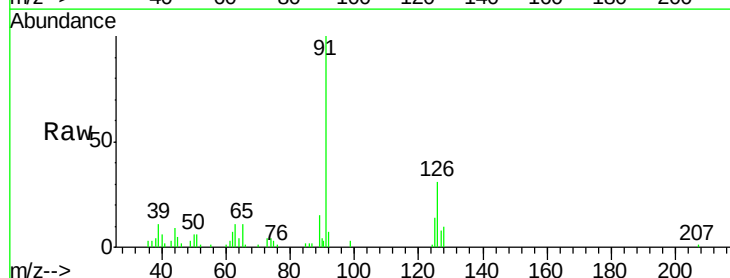
RT: 12.99 min Scan# 1819

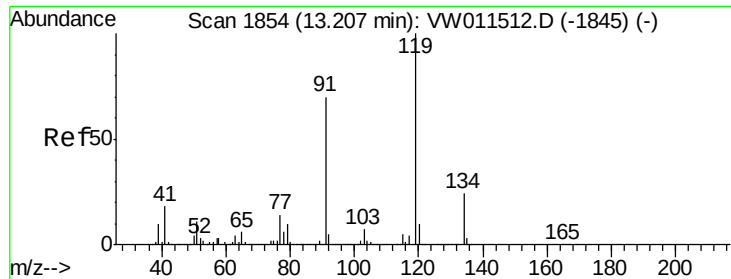
Delta R.T. 0.01 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 10088 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 32.3  | 15.6  | 46.8  |





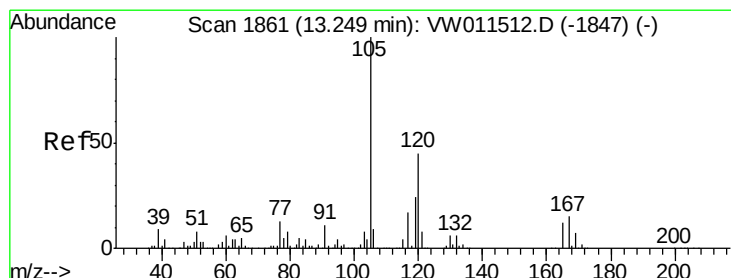
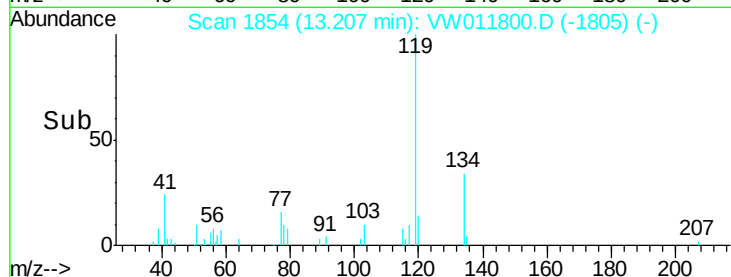
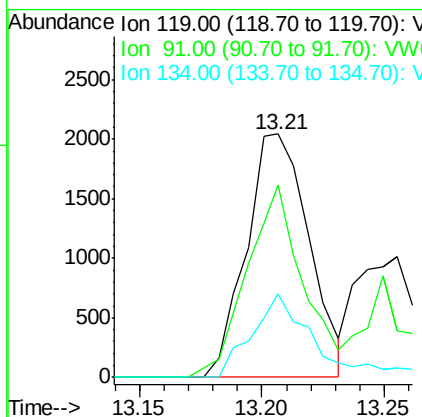
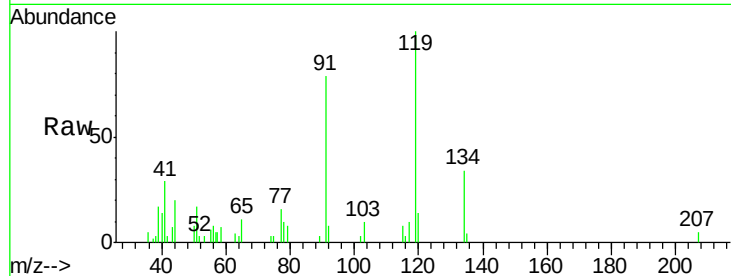
#83  
 tert-Butylbenzene  
 Concen: 10.319 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 70.7  | 34.5  | 103.6 |
| 134     | 33.9  | 12.4  | 37.4  |

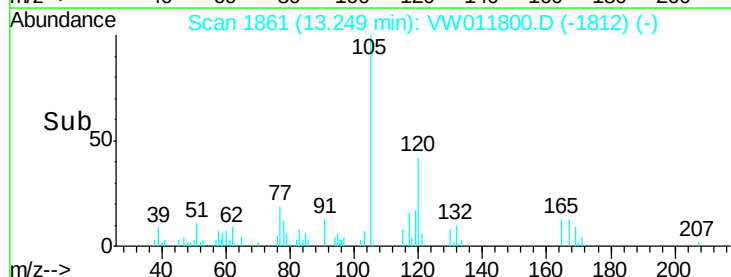
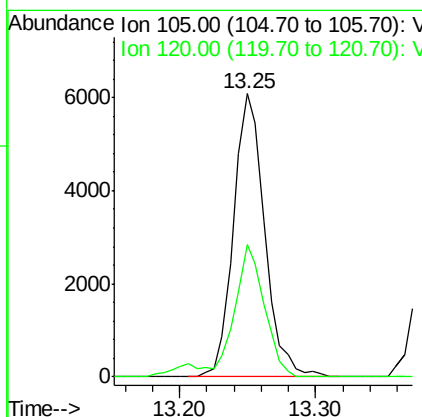
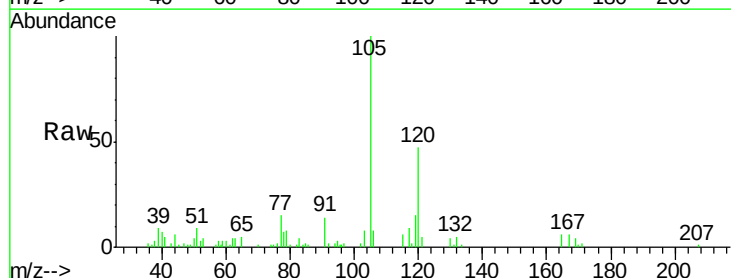
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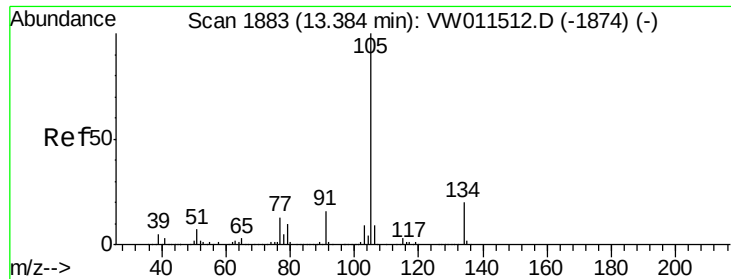
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.763 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.8  | 22.1  | 66.5  |





#85

sec-Butylbenzene

Concen: 8.054 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 4048

Ion Ratio Lower Upper

105 100

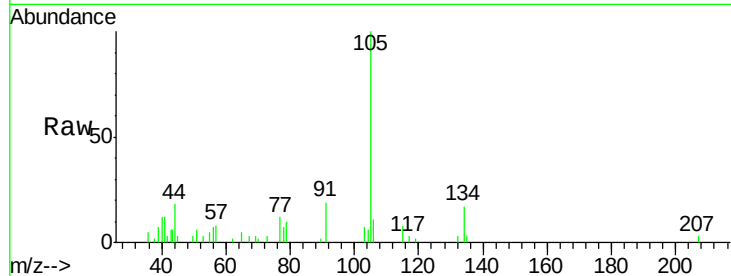
134 21.2 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2500

2000

1500

1000

500

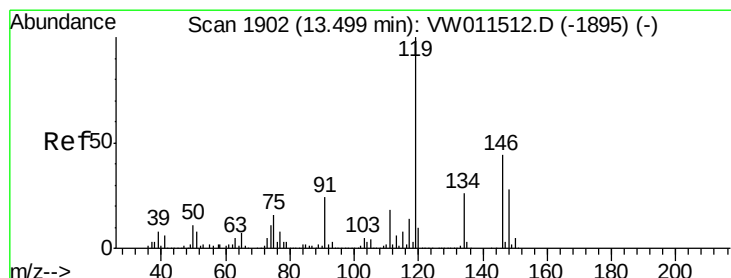
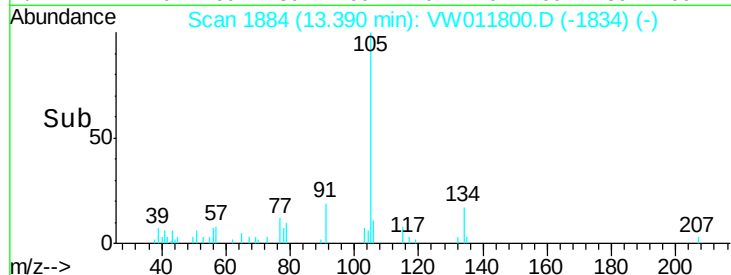
0

13.35

13.40

13.45

Time-->



#86

p-Isopropyltoluene

Concen: 10.273 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

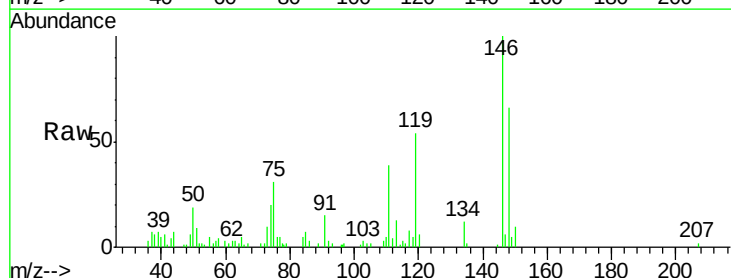
Tgt Ion:119 Resp: 4685

Ion Ratio Lower Upper

119 100

134 23.0 12.8 38.4

91 27.2 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

4000

3000

2000

1000

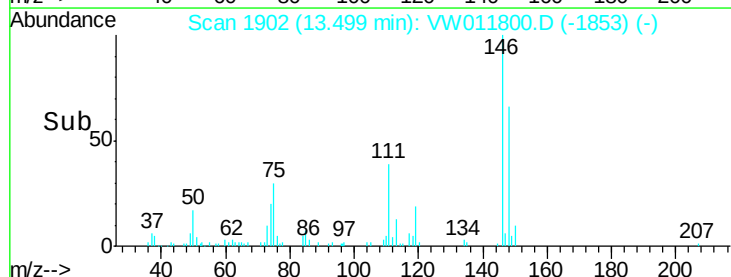
0

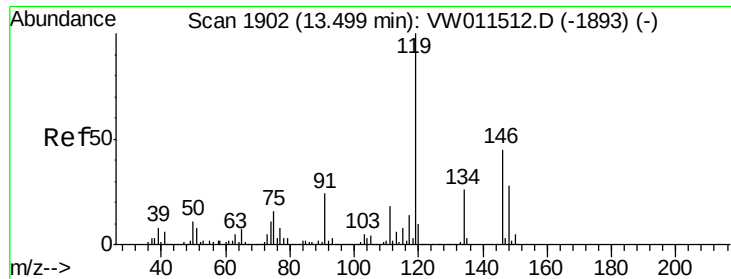
13.45

13.50

13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 42.073 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

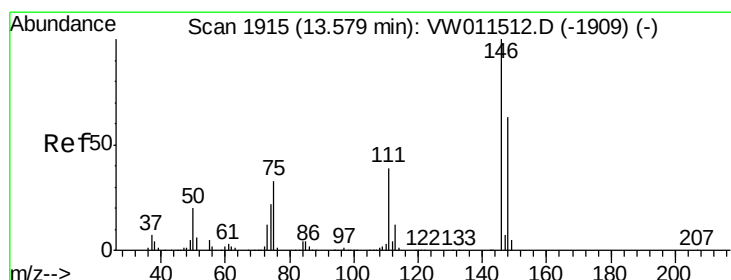
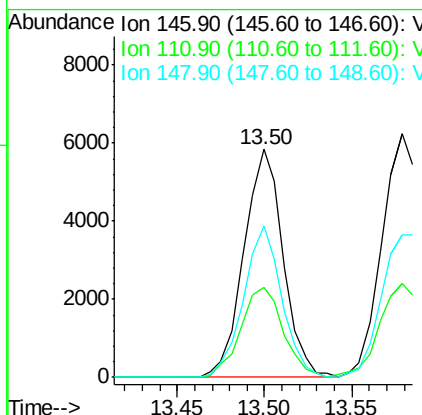
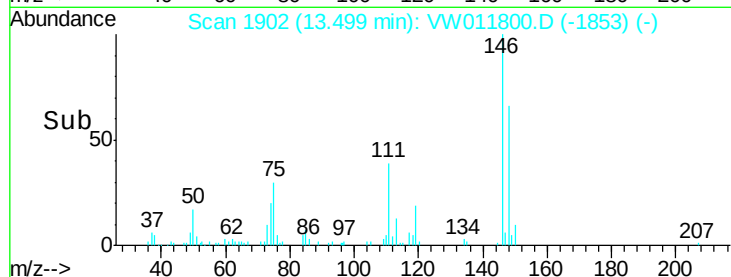
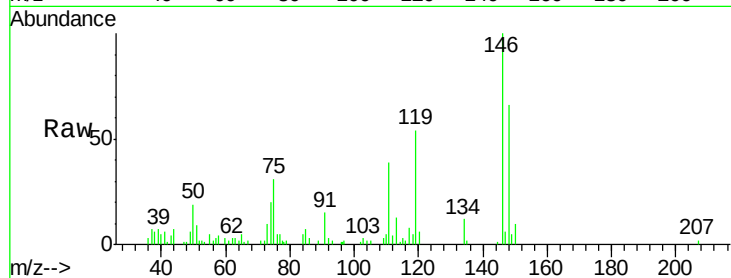
Instrument :  
MSVOA\_W

ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.8  | 20.5  | 61.6  |
| 148     | 64.6  | 31.8  | 95.3  |

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#88

1,4-Dichlorobenzene

Concen: 46.601 ug/l

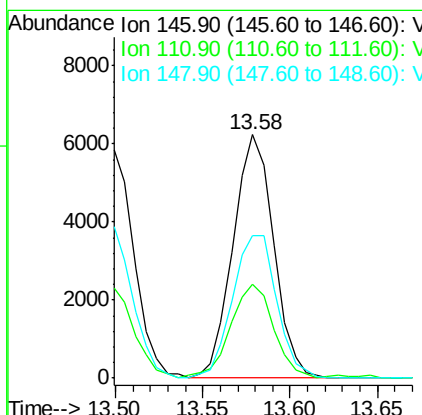
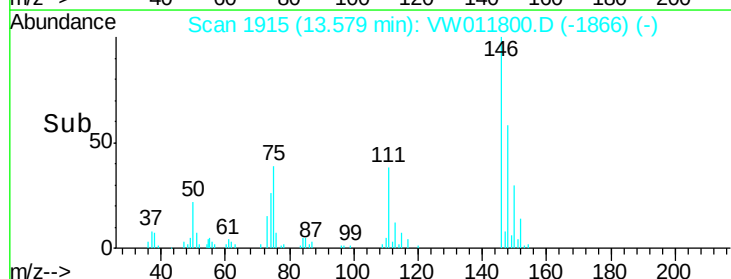
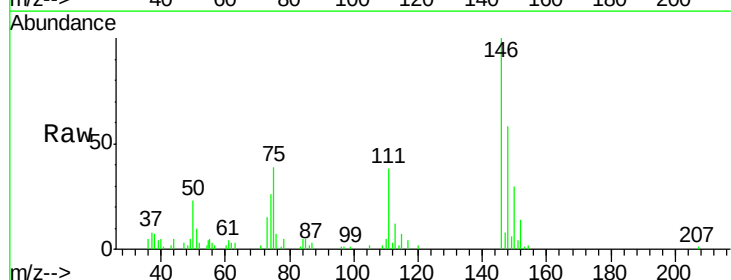
RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

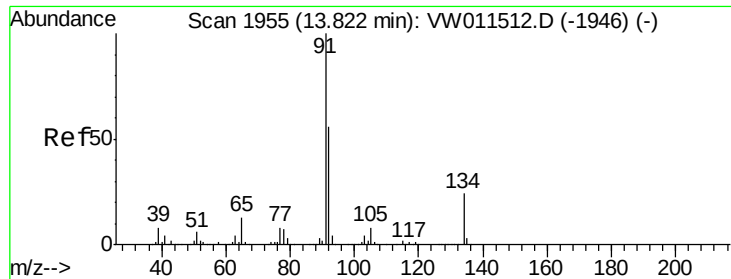
Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 20.1  | 60.2  |
| 148     | 63.9  | 31.9  | 95.9  |







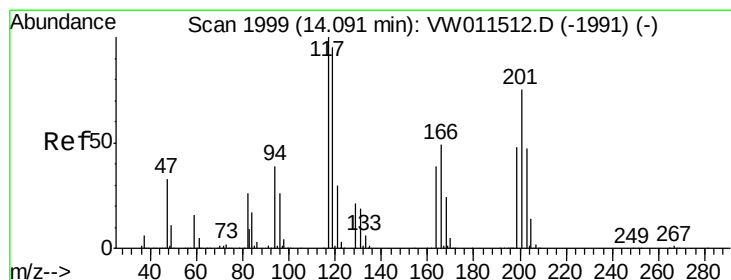
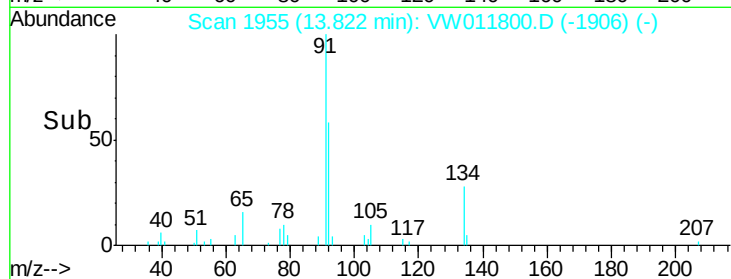
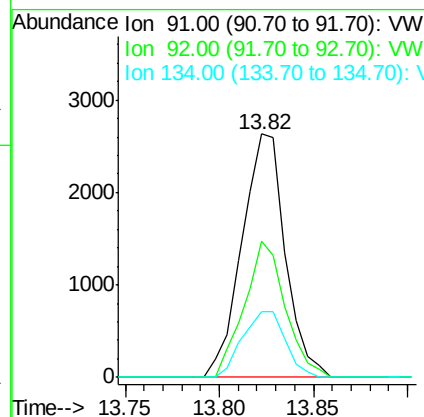
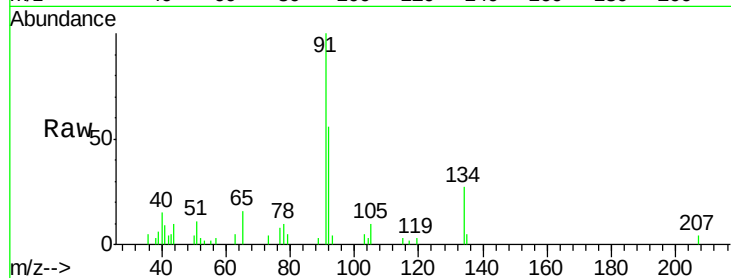
#89  
n-Butylbenzene  
Concen: 9.231 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.8  | 27.5  | 82.4  |
| 134     | 26.8  | 12.2  | 36.6  |

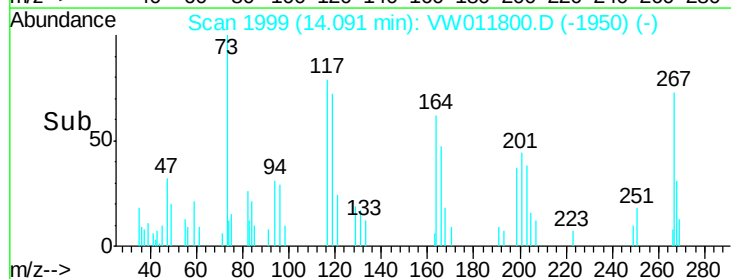
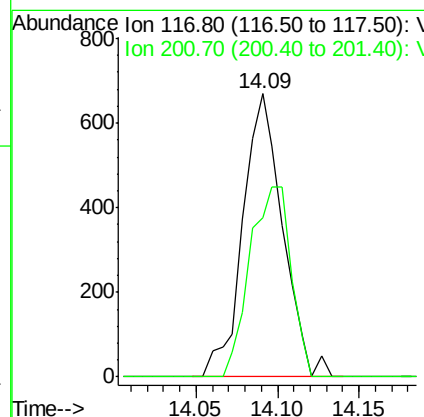
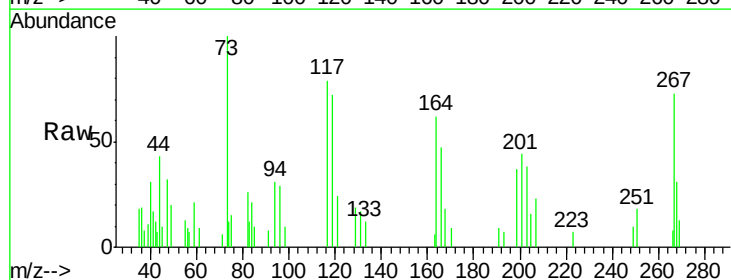
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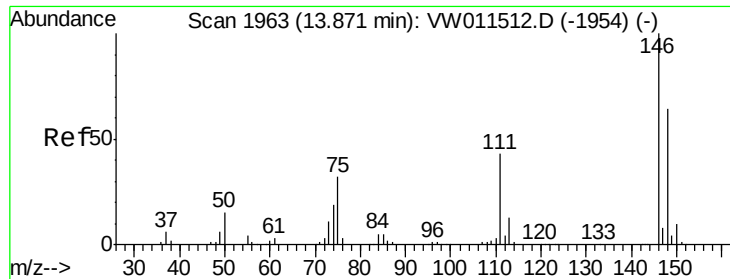
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#90  
Hexachloroethane  
Concen: 14.087 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: VW011800.D  
Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 69.3  | 39.4  | 118.2 |





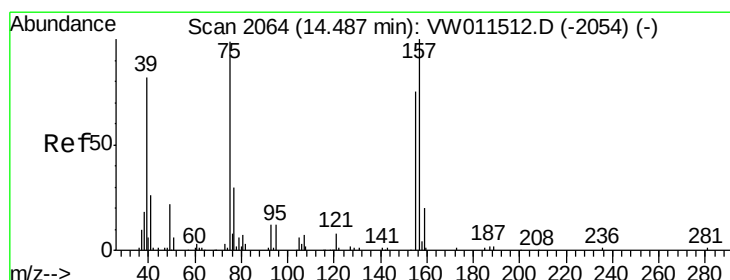
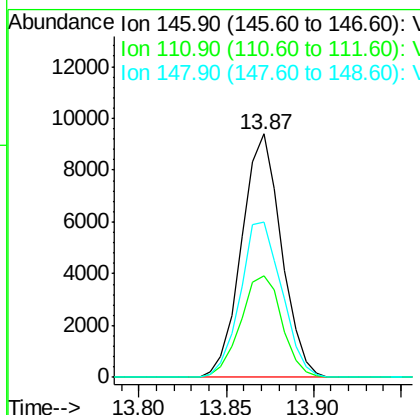
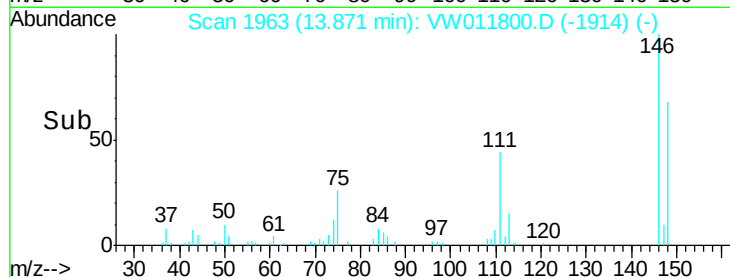
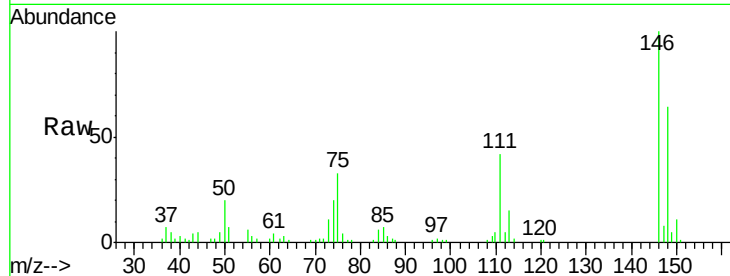
#91  
 1,2-Dichlorobenzene  
 Concen: 77.124 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.5  | 21.6  | 65.0  |
| 148     | 66.7  | 32.0  | 96.2  |

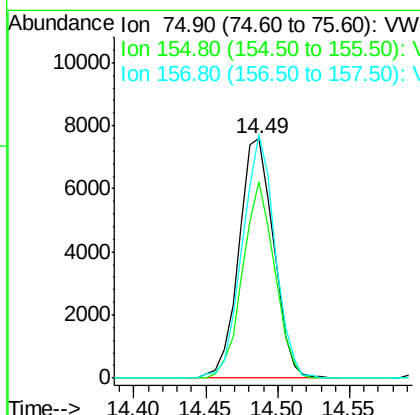
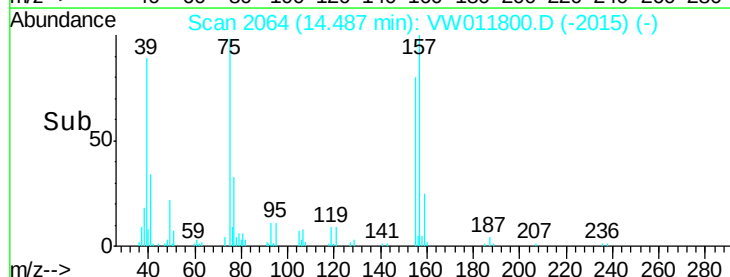
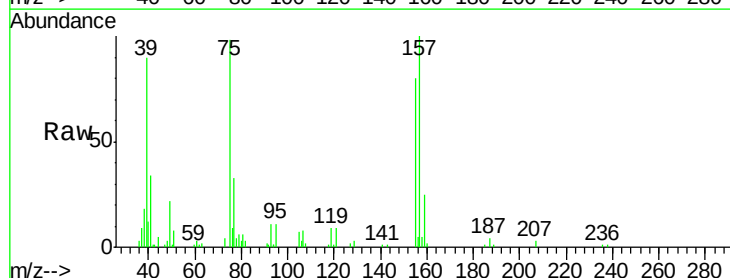
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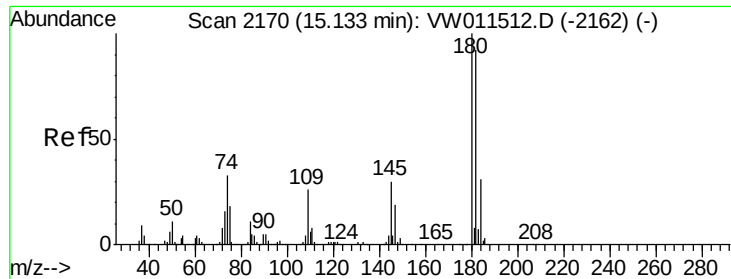
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 785.356 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 75.3  | 38.2  | 114.6 |
| 157     | 95.2  | 48.9  | 146.7 |





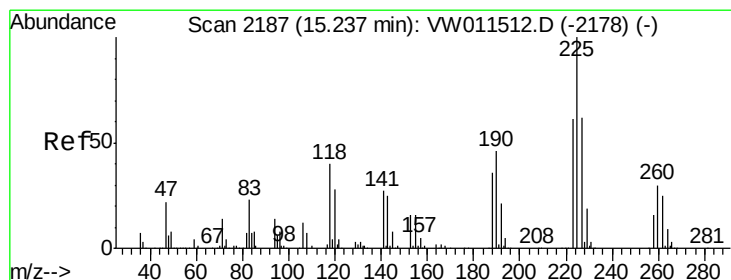
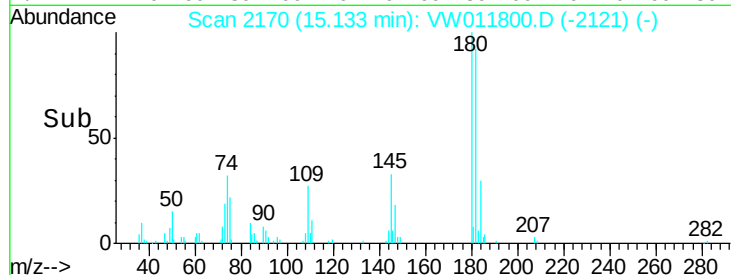
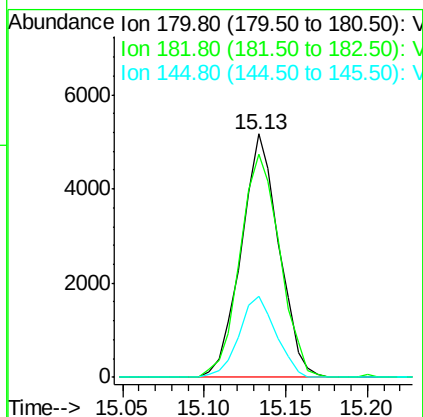
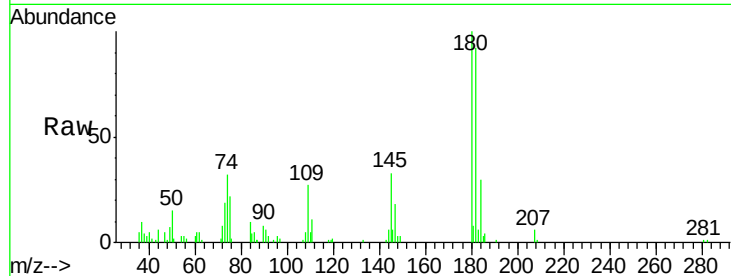
#93  
 1,2,4-Trichlorobenzene  
 Concen: 61.493 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.5  | 47.4  | 142.2 |
| 145     | 32.3  | 15.4  | 46.1  |

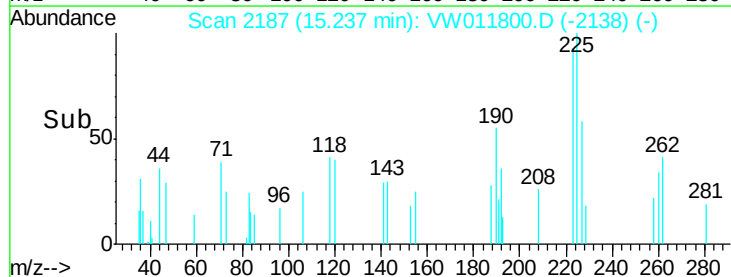
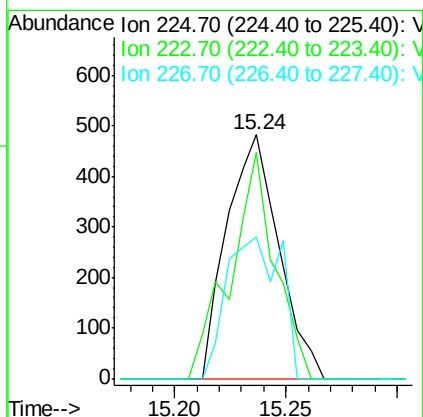
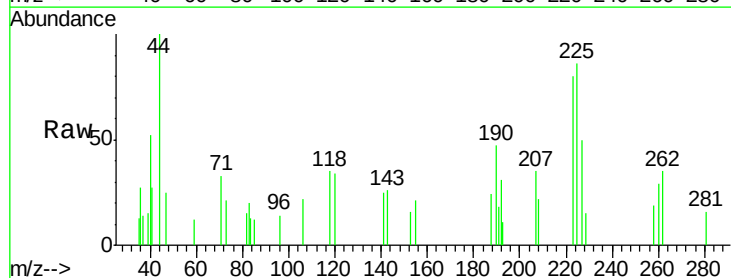
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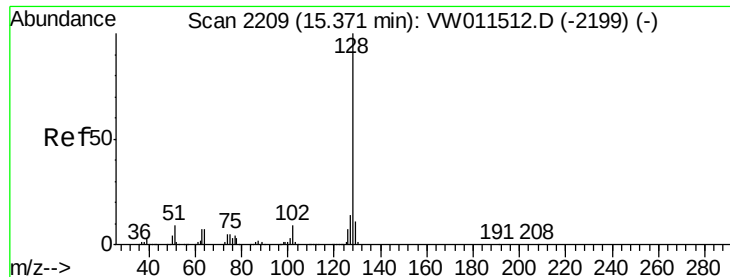
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#94  
 Hexachlorobutadiene  
 Concen: 9.237 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW011800.D  
 Acq: 09 Aug 2019 05:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 80.1  | 30.8  | 92.3  |
| 227     | 61.3  | 31.6  | 94.7  |





#95

Naphthalene

Concen: 300.964 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

Instrument :

MSVOA\_W

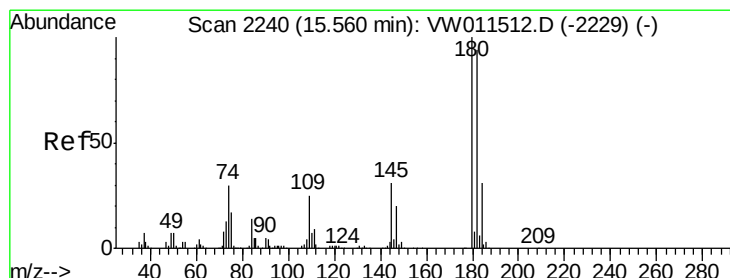
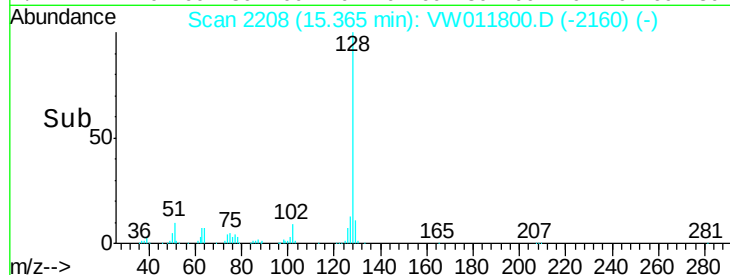
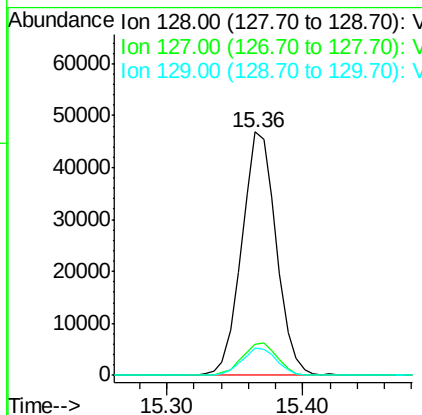
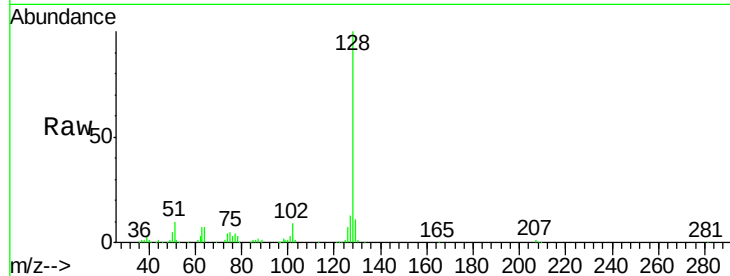
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 82910 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.6  | 10.6  | 16.0  |
| 129       | 11.2  | 8.6   | 13.0  |

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#96

1,2,3-Trichlorobenzene

Concen: 115.826 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011800.D

Acq: 09 Aug 2019 05:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 13783 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 86.4  | 47.4  | 142.2 |
| 145       | 30.2  | 15.9  | 47.7  |

