

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042220\  
 Data File : VW015302.D  
 Acq On : 22 Apr 2020 12:45  
 Operator : SY/VA  
 Sample : VW0422SBSD01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 4/23/2020 1:32:55 PM

Quant Time: Apr 23 09:30:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 21 06:39:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 234642   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 337966   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 314077   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 177626   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 98506    | 51.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.68% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 99321    | 53.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.10% |      |
| 50) Toluene-d8            | 10.32  | 98  | 400266   | 50.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.66% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 154065   | 51.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.54% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 37930  | 20.470  | ug/l   | 96     |
| 3) Chloromethane              | 2.21 | 50  | 41456  | 20.545  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.35 | 62  | 48460  | 20.338  | ug/l   | 100    |
| 5) Bromomethane               | 2.78 | 94  | 42170  | 24.891  | ug/l   | 98     |
| 6) Chloroethane               | 2.92 | 64  | 31862  | 21.557  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 70055  | 20.777  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.69 | 74  | 19162  | 20.247  | ug/l   | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 44009  | 21.166  | ug/l   | 93     |
| 10) Methyl Iodide             | 4.28 | 142 | 40467  | 18.529  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.24 | 59  | 10477m | 66.983  | ug/l   |        |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 40989  | 20.481  | ug/l   | 92     |
| 13) Acrolein                  | 3.91 | 56  | 10057  | 122.848 | ug/l   | 96     |
| 14) Allyl chloride            | 4.67 | 41  | 51246  | 19.301  | ug/l # | 84     |
| 15) Acrylonitrile             | 5.38 | 53  | 32701  | 90.795  | ug/l   | 97     |
| 16) Acetone                   | 4.17 | 43  | 26418  | 78.827  | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.38 | 76  | 117781 | 19.803  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.69 | 43  | 15301  | 17.248  | ug/l   | 92     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 94602  | 20.591  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.92 | 84  | 44237  | 20.140  | ug/l # | 87     |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 46912  | 20.668  | ug/l   | 96     |
| 22) Diisopropyl ether         | 6.32 | 45  | 103584 | 20.337  | ug/l # | 92     |
| 23) Vinyl Acetate             | 6.26 | 43  | 300237 | 100.449 | ug/l   | 95     |
| 24) 1,1-Dichloroethane        | 6.22 | 63  | 72198  | 20.453  | ug/l   | 99     |
| 25) 2-Butanone                | 7.19 | 43  | 39607  | 89.077  | ug/l   | 92     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 75403  | 20.304  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 51671  | 21.086  | ug/l   | 97     |
| 28) Bromochloromethane        | 7.51 | 49  | 25365  | 19.763  | ug/l # | 71     |
| 29) Tetrahydrofuran           | 7.54 | 42  | 25081  | 90.540  | ug/l   | 88     |
| 30) Chloroform                | 7.68 | 83  | 79765  | 20.936  | ug/l   | 99     |
| 31) Cyclohexane               | 7.95 | 56  | 70179  | 19.778  | ug/l # | 87     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 75762  | 20.604  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 63764  | 20.904  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.26 | 43  | 18255  | 18.440  | ug/l   | 95     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 70141  | 21.042  | ug/l   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042220\  
 Data File : VW015302.D  
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 Operator : SY/VA  
 Sample : VW0422SBSD01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VW0422SBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 4/23/2020 1:32:55 PM

Quant Time: Apr 23 09:30:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 21 06:39:58 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 80672    | 19.870  | ug/l   | 95       |
| 40) Benzene                    | 8.32  | 78   | 169475   | 20.799  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.49  | 41   | 11409    | 19.207  | ug/l # | 88       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 49003    | 20.429  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 39394    | 18.973  | ug/l   | 93       |
| 44) Trichloroethene            | 9.09  | 130  | 53942    | 21.643  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 39208    | 20.691  | ug/l   | 96       |
| 46) Dibromomethane             | 9.46  | 93   | 22527    | 20.552  | ug/l # | 87       |
| 47) Bromodichloromethane       | 9.65  | 83   | 61162    | 20.873  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.44  | 41   | 17507    | 17.836  | ug/l # | 81       |
| 49) 1,4-Dioxane                | 9.48  | 88   | 4549     | 311.308 | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 90113    | 92.455  | ug/l   | 95       |
| 52) Toluene                    | 10.39 | 92   | 117757   | 20.649  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 59641    | 20.642  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 68684    | 20.452  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 31755    | 20.689  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 38619    | 19.531  | ug/l   | 90       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 52699    | 20.727  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 92174    | 100.550 | ug/l # | 88       |
| 59) 2-Hexanone                 | 10.97 | 43   | 61709    | 88.693  | ug/l   | 95       |
| 60) Dibromochloromethane       | 11.13 | 129  | 42106    | 20.777  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 31121    | 20.780  | ug/l   | 96       |
| 64) Tetrachloroethene          | 10.86 | 164  | 48938    | 21.832  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.66 | 112  | 129934   | 21.083  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 48078    | 21.705  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.73 | 91   | 240124   | 20.892  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.84 | 106  | 188410   | 41.821  | ug/l   | 100      |
| 69) o-Xylene                   | 12.16 | 106  | 88521    | 21.051  | ug/l   | 98       |
| 70) Styrene                    | 12.18 | 104  | 150016   | 20.929  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 24900    | 19.950  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.46 | 105  | 247094   | 20.063  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 38038    | 17.753  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 33461    | 19.136  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 26178m   | 19.051  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 57209    | 20.219  | ug/l   | 82       |
| 78) n-propylbenzene            | 12.80 | 91   | 286661   | 19.991  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 162728   | 20.137  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 213289   | 20.105  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 11500    | 18.295  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 172176   | 20.067  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 186962   | 20.163  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 208680   | 19.943  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 254958   | 19.910  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 13.49 | 119  | 236101   | 19.842  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 116934   | 20.799  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 115006   | 20.868  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.82 | 91   | 215652   | 19.828  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.09 | 117  | 43237    | 19.814  | ug/l   | 73       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 102805   | 21.043  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 5697     | 18.004  | ug/l   | 86       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042220\  
Data File : VW015302.D  
Acq On : 22 Apr 2020 12:45  
Operator : SY/VA  
Sample : VW0422SBSD01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

Manual Integrations  
APPROVED

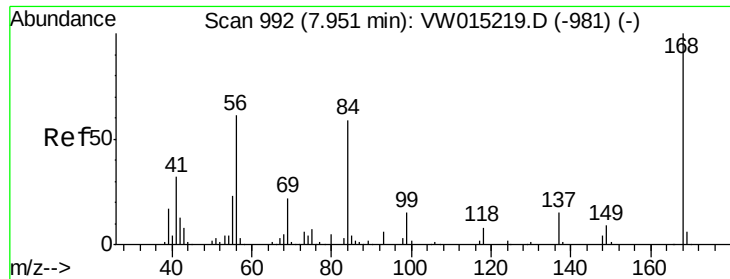
MMDadoda  
4/23/2020 1:32:55 PM

Quant Time: Apr 23 09:30:17 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 21 06:39:58 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 70613    | 20.795 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 47484    | 20.974 | ug/l  | 99       |
| 95) Naphthalene            | 15.36 | 128  | 105434   | 19.302 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 57035    | 20.644 | ug/l  | 97       |

(#) = 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. -0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

ClientSampleId :

VW0422SBSD01

Tot Ion:168 Resp: 234642

Ion Ratio Lower Upper

168 100

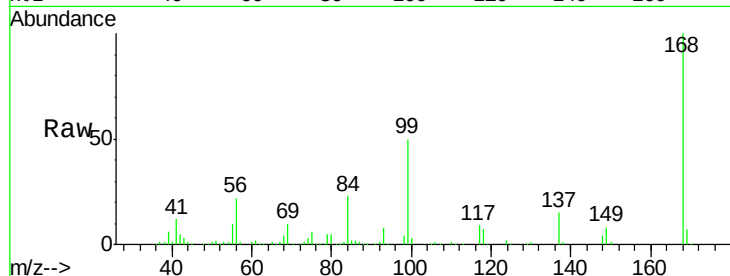
99 49.9 48.5 72.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

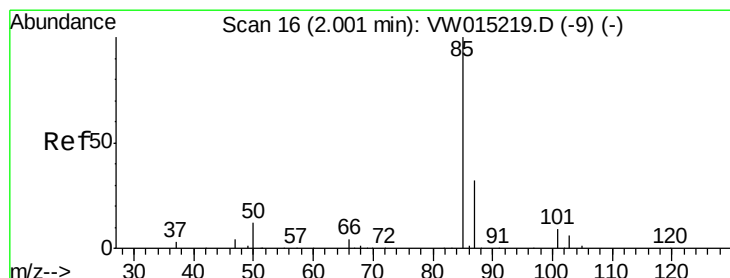
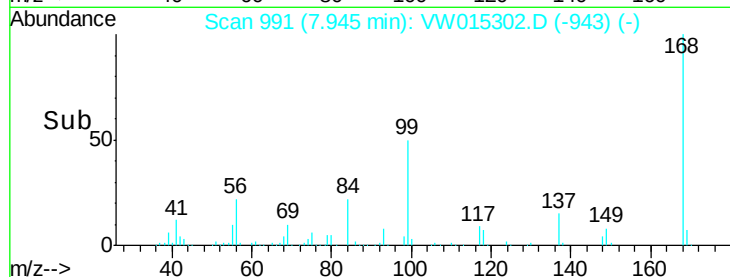
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.470 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015302.D

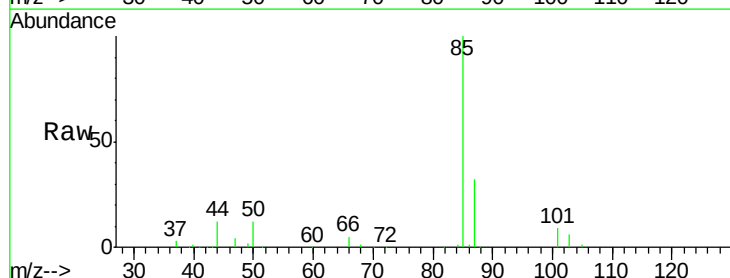
Acq: 22 Apr 2020 12:45

Tgt Ion: 85 Resp: 37930

Ion Ratio Lower Upper

85 100

87 32.3 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

15000

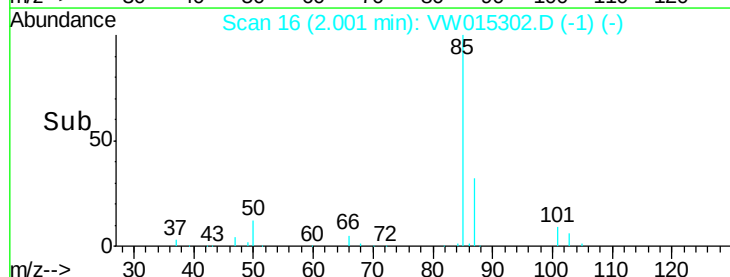
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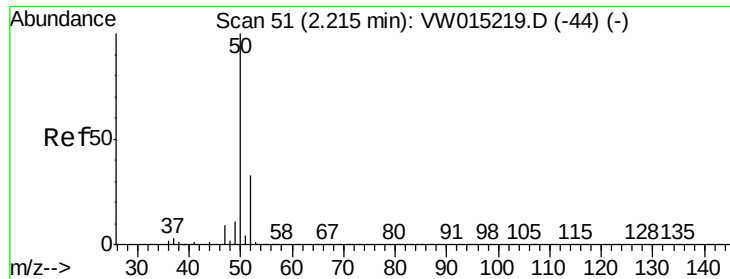
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.545 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

ClientSampleId :

VW0422SBSD01

Tot Ion: 50 Resp: 41456

Ion Ratio Lower Upper

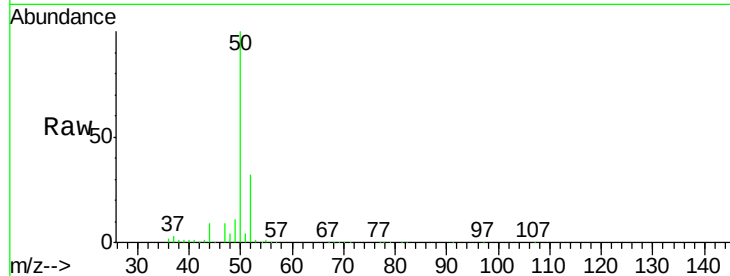
50 100

52 32.2 26.5 39.7

Manual Integrations  
APPROVED

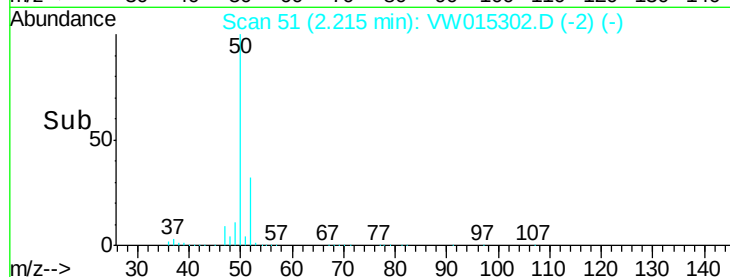
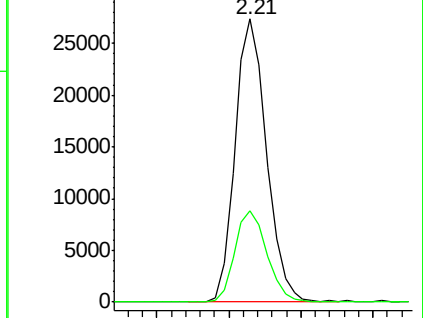
MMDadoda

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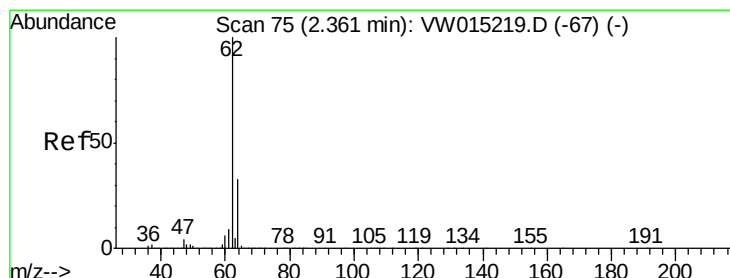


Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



Time-->



#4

Vinyl Chloride

Concen: 20.338 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW015302.D

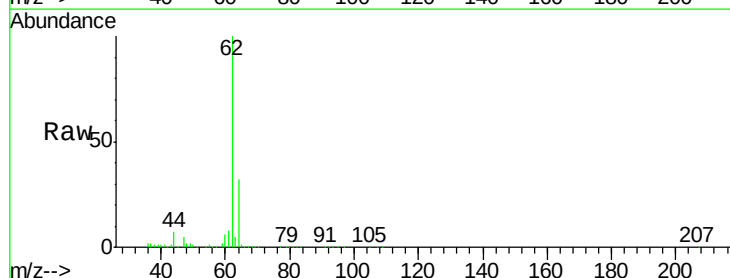
Acq: 22 Apr 2020 12:45

Tgt Ion: 62 Resp: 48460

Ion Ratio Lower Upper

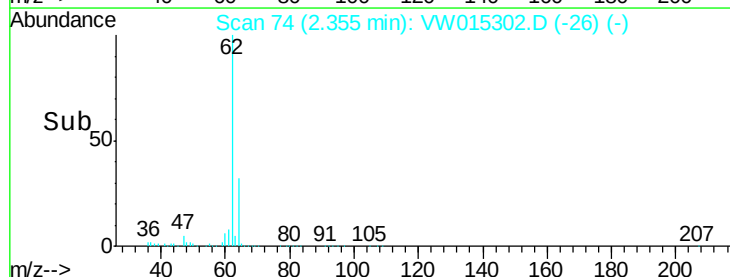
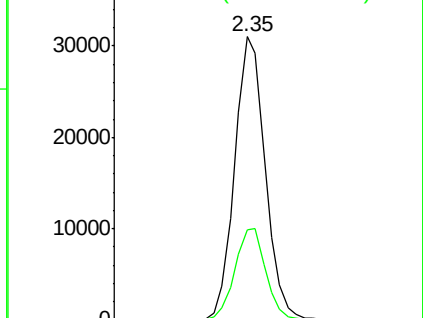
62 100

64 31.8 25.4 38.2

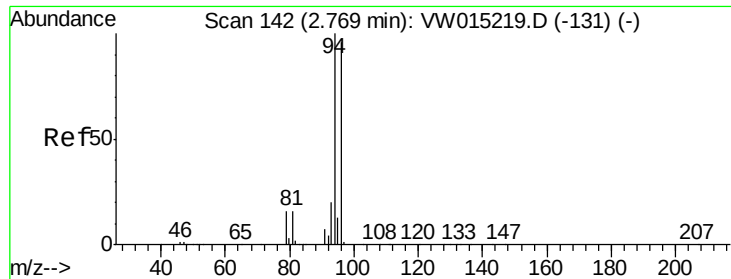


Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



Time-->



#5

Bromomethane

Concen: 24.891 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

ClientSampleId :

VW0422SBSD01

Tot Ion: 94 Resp: 42170

Ion Ratio Lower Upper

94 100

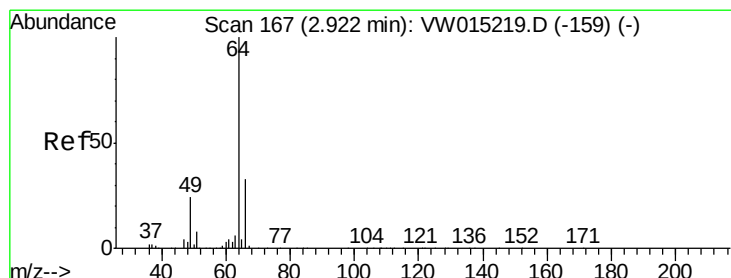
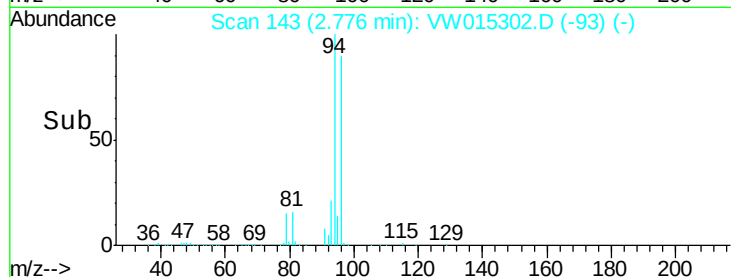
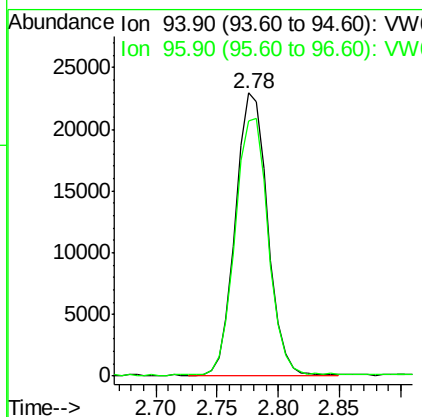
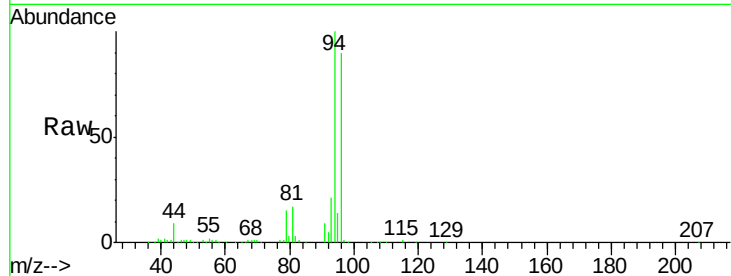
96 89.8 70.4 105.6

Manual Integrations

APPROVED

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4/23/2020 1:32:55 PM



#6

Chloroethane

Concen: 21.557 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015302.D

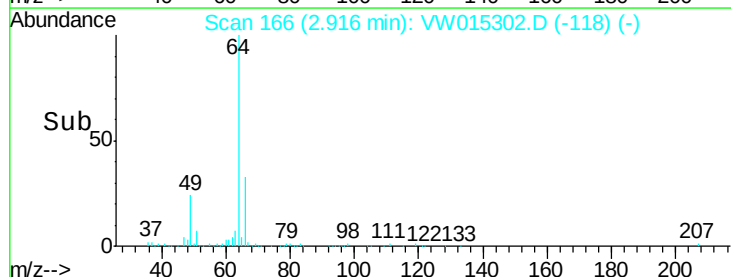
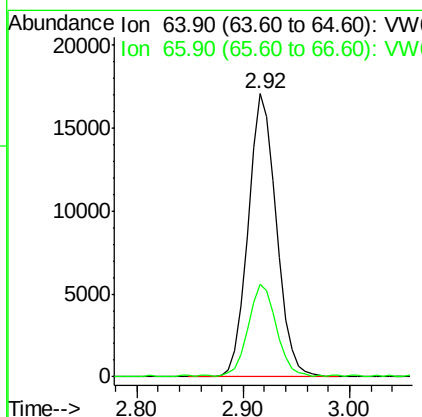
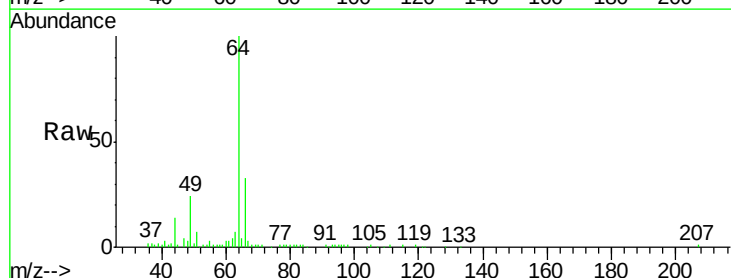
Acq: 22 Apr 2020 12:45

Tgt Ion: 64 Resp: 31862

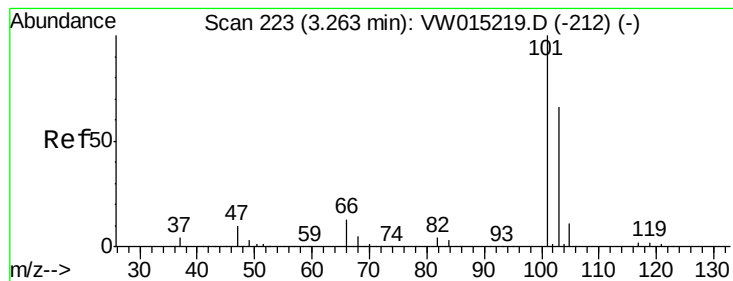
Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6







#7

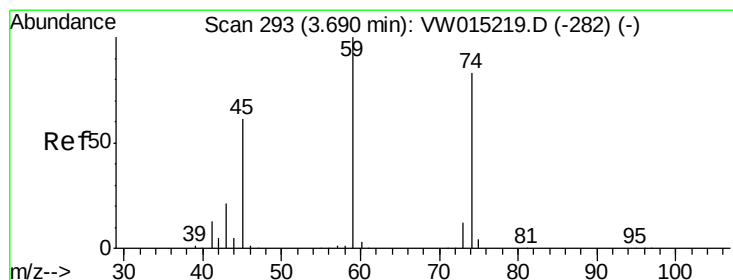
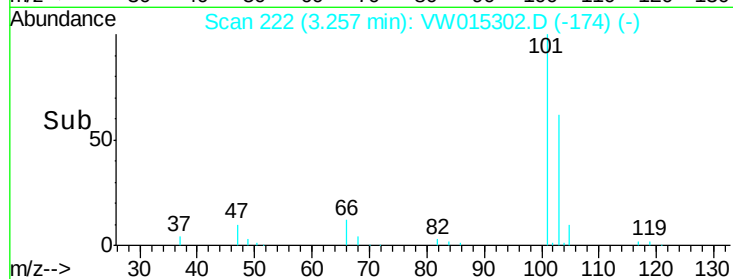
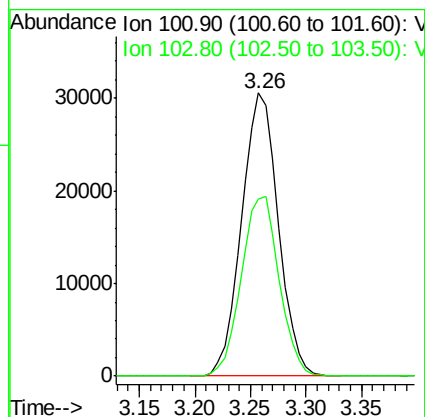
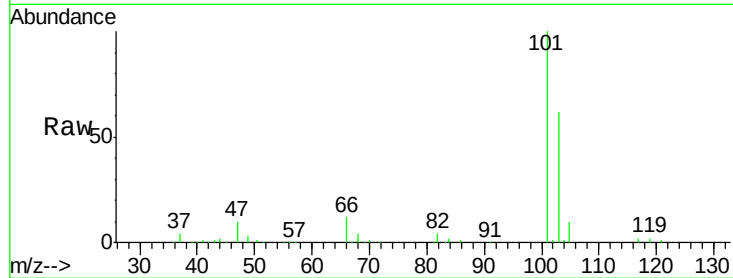
Trichlorofluoromethane  
Concen: 20.777 ug/l  
RT: 3.26 min Scan# 222  
Delta R.T. -0.01 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 70055 |       |       |
| 103     | 62.4  | 51.3  | 76.9  |       |

Manual Integrations  
APPROVED

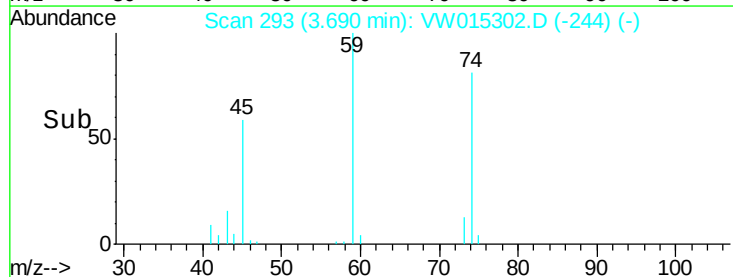
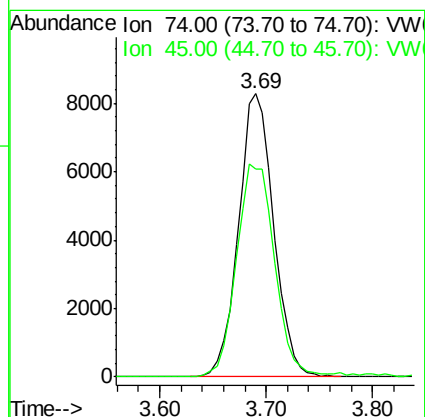
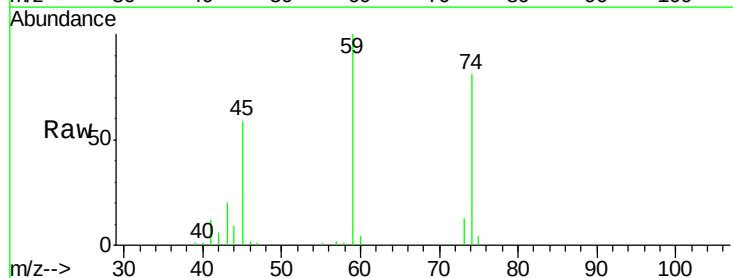
MMDadoda  
4/23/2020 1:32:55 PM



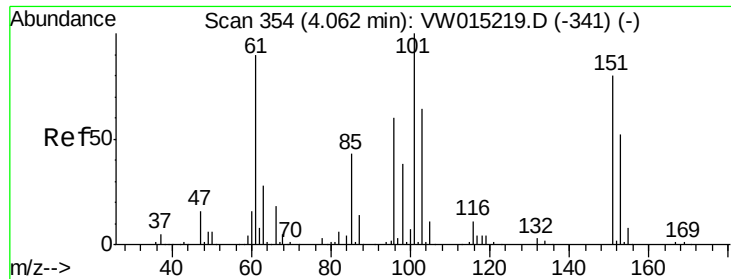
#8

Diethyl Ether  
Concen: 20.247 ug/l  
RT: 3.69 min Scan# 293  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 19162 |       |       |
| 45      | 82.4  | 45.5  | 136.5 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.166 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

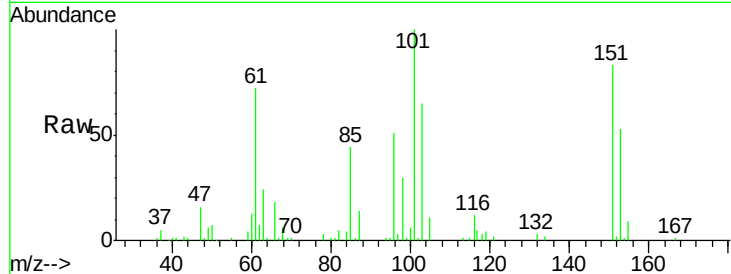
ClientSampleId :

VW0422SBSD01

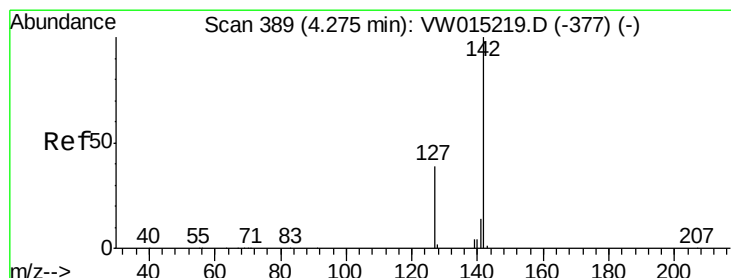
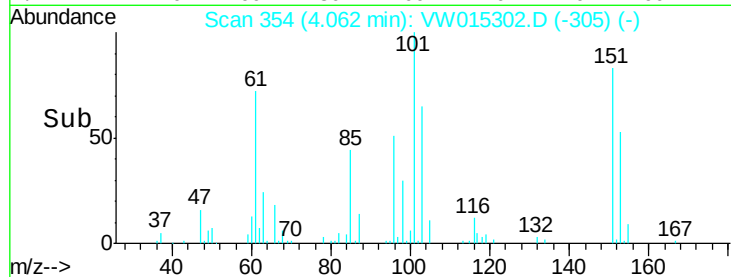
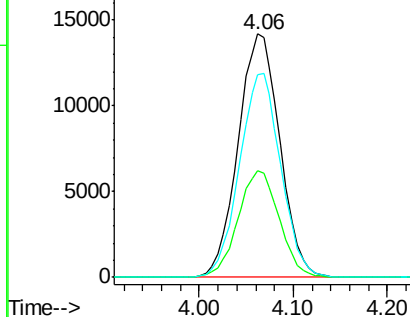
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 44009 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.2  | 35.3  | 52.9  |
| 151       | 82.8  | 59.3  | 88.9  |

Manual Integrations  
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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.529 ug/l

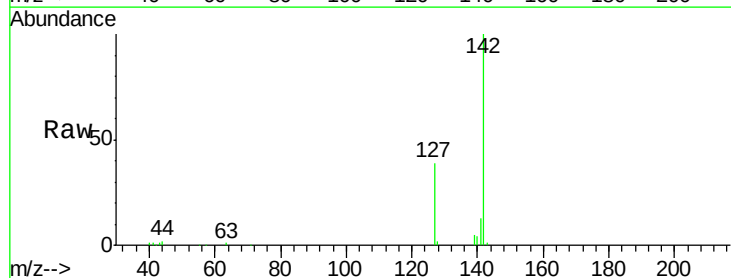
RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

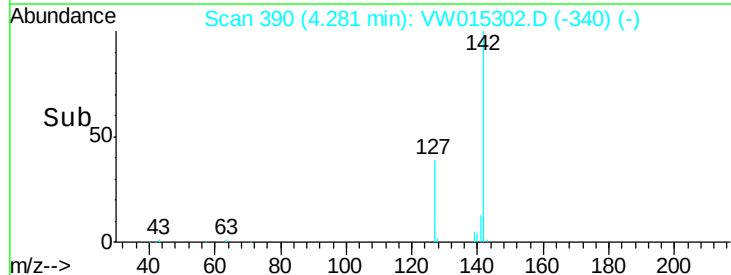
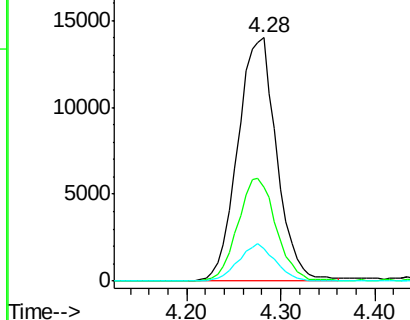
Lab File: VW015302.D

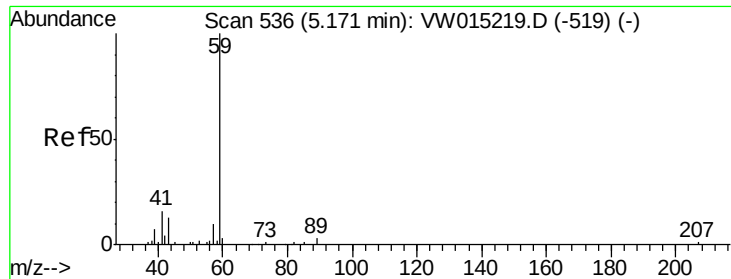
Acq: 22 Apr 2020 12:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 40467 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.8  | 33.9  | 50.9  |
| 141       | 14.3  | 11.4  | 17.2  |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

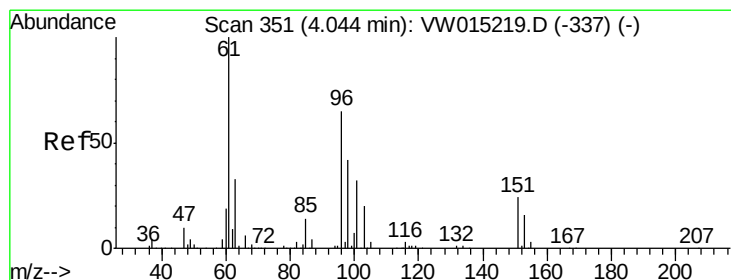
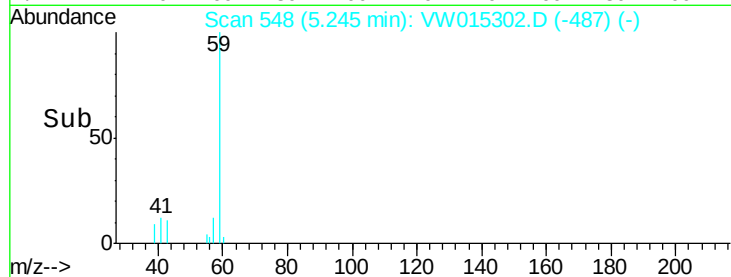
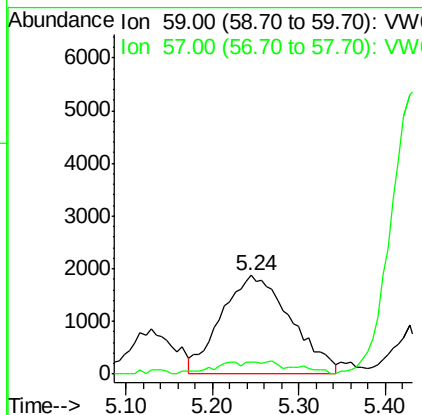
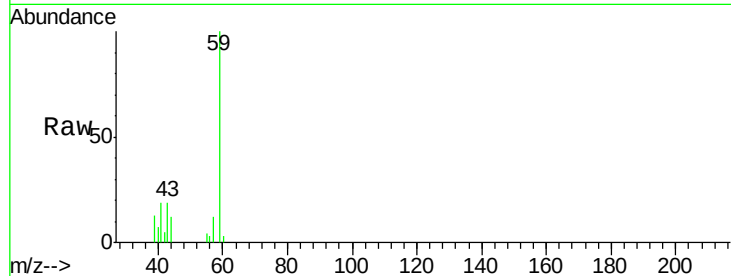
Tert butyl alcohol  
 Concen: 66.983 ug/l m  
 RT: 5.24 min Scan# 548  
 Delta R.T. 0.07 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBS01

| Tot Ion   | 59  | Resp  | 10477 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 57        | 0.0 | 8.4   | 12.6# |

Manual Integrations  
 APPROVED

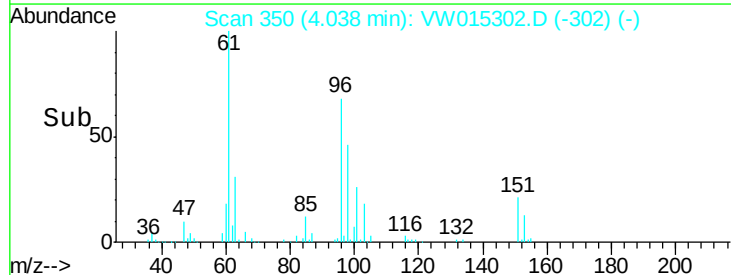
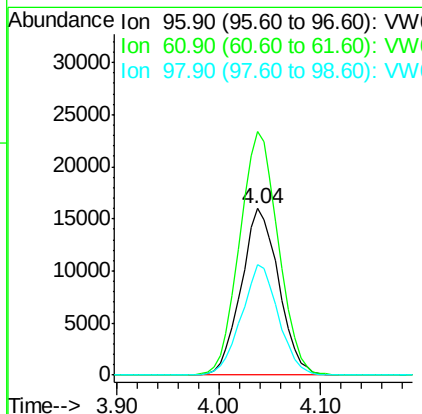
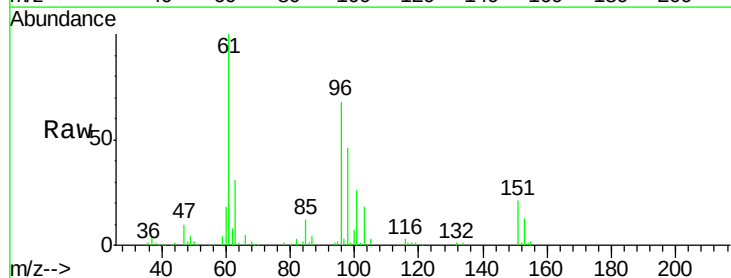
MMDadoda  
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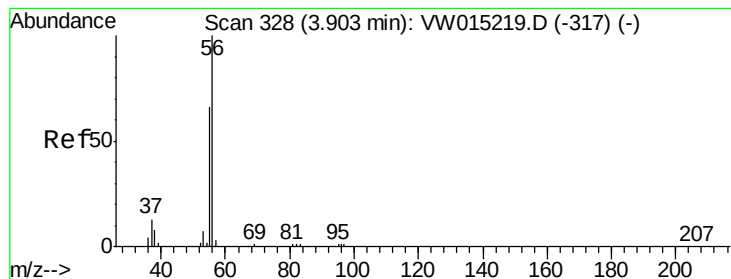


#12

1,1-Dichloroethene  
 Concen: 20.481 ug/l  
 RT: 4.04 min Scan# 350  
 Delta R.T. -0.01 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

| Tgt Ion   | 96    | Resp  | 40989 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 146.0 | 127.0 | 190.4 |
| 98        | 66.5  | 51.0  | 76.4  |





#13

Acrolein

Concen: 122.848 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

ClientSampleId :

VW0422SBS01

Tot Ion: 56 Resp: 10057

Ion Ratio Lower Upper

56 100

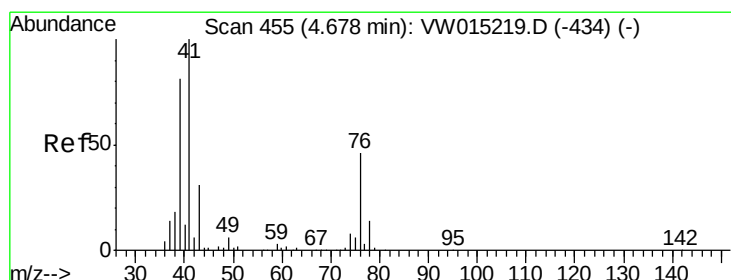
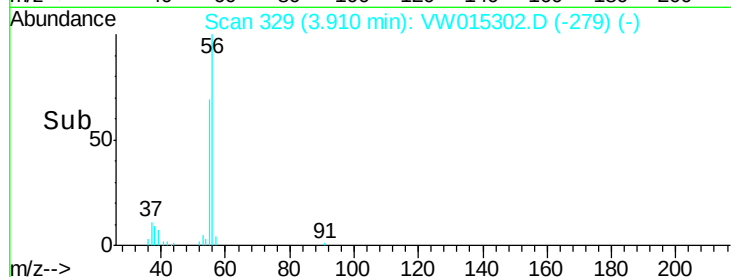
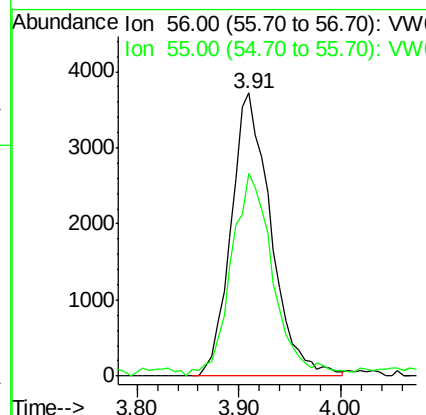
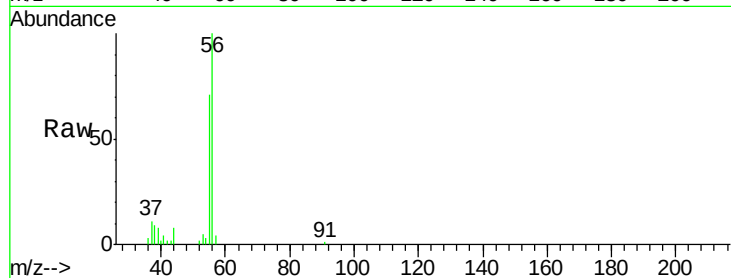
55 73.2 56.2 84.2

Manual Integrations

APPROVED

MMDadoda

4/23/2020 1:32:55 PM



#14

Allyl chloride

Concen: 19.301 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

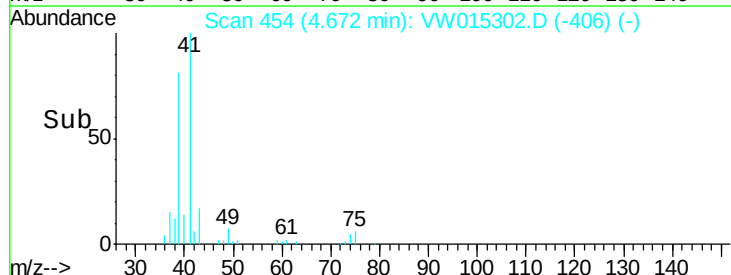
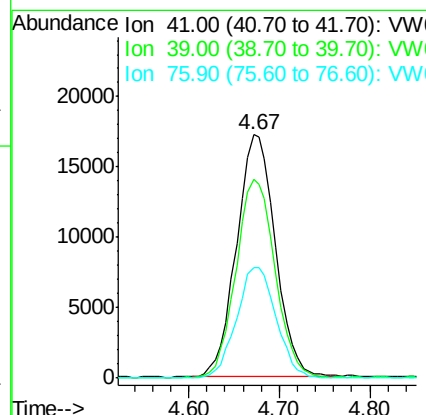
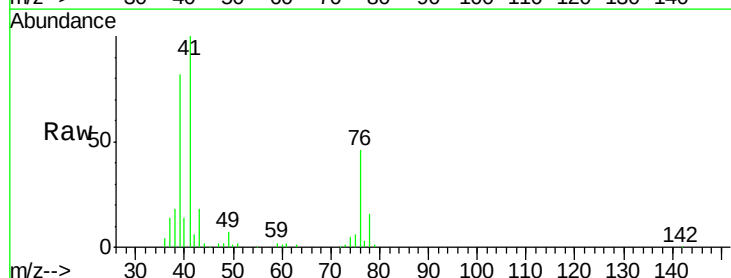
Tgt Ion: 41 Resp: 51246

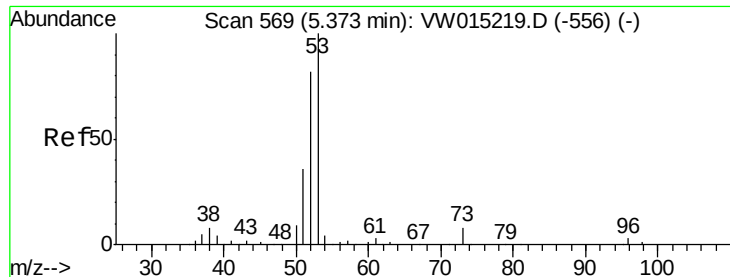
Ion Ratio Lower Upper

41 100

39 82.9 54.0 81.0#

76 46.4 31.8 47.6





#15

Acrylonitrile

Concen: 90.795 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

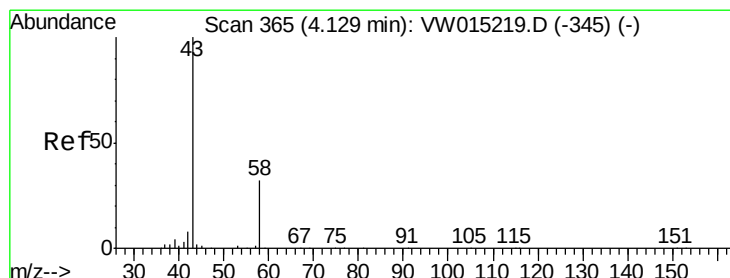
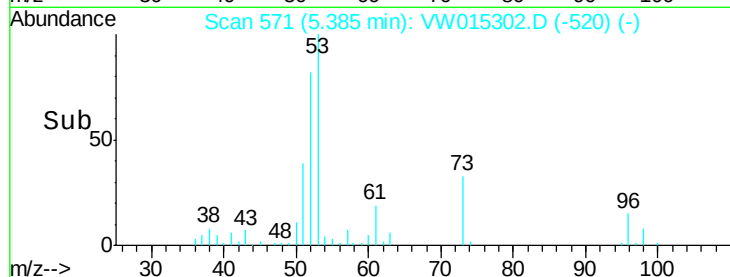
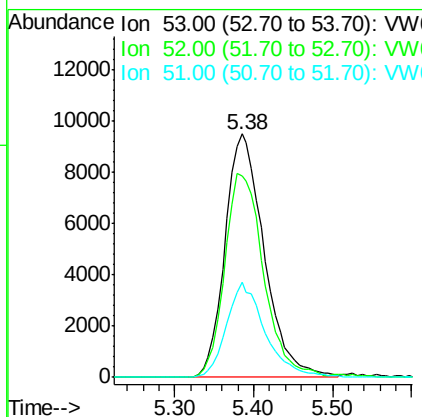
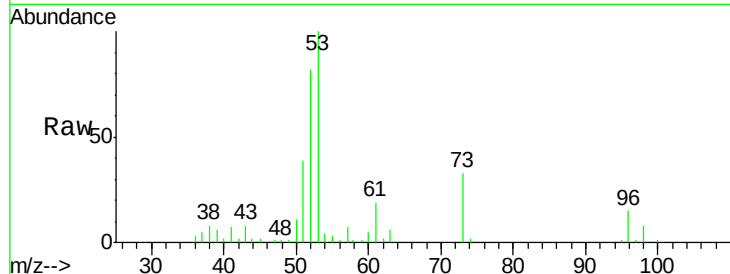
ClientSampleId :

VW0422SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 32701 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.3  | 65.2  | 97.8  |
| 51       | 38.3  | 28.2  | 42.4  |

Manual Integrations  
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#16

Acetone

Concen: 78.827 ug/l

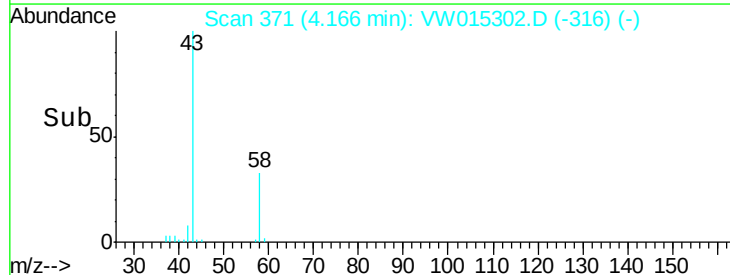
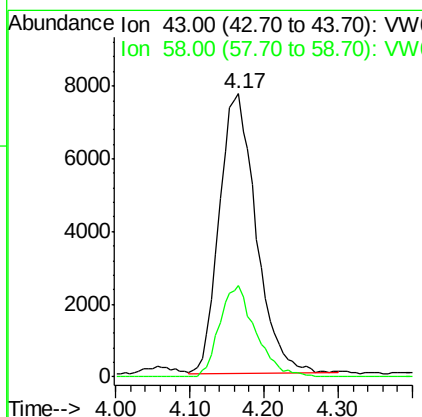
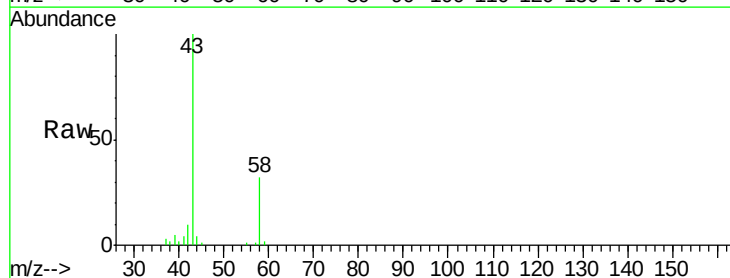
RT: 4.17 min Scan# 371

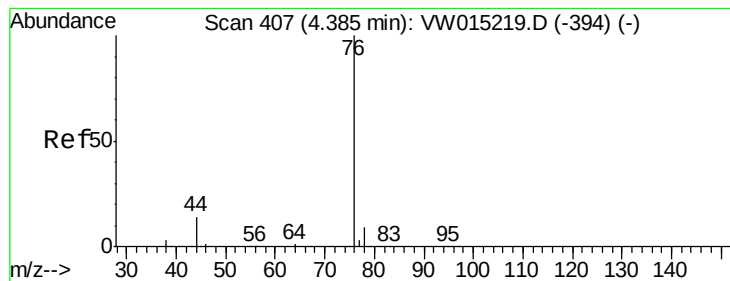
Delta R.T. 0.04 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 26418 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 32.7  | 27.0  | 40.4  |





#17

Carbon Disulfide

Concen: 19.803 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

ClientSampleId :

VW0422SBSD01

Tot Ion: 76 Resp: 117781

Ion Ratio Lower Upper

76 100

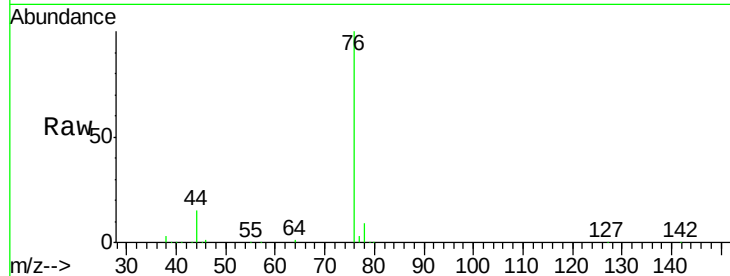
78 9.3 7.0 10.6

Manual Integrations

APPROVED

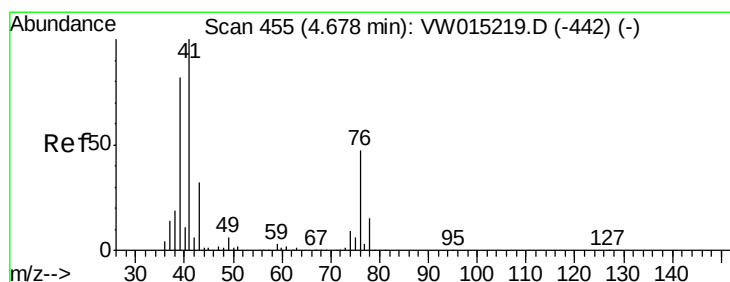
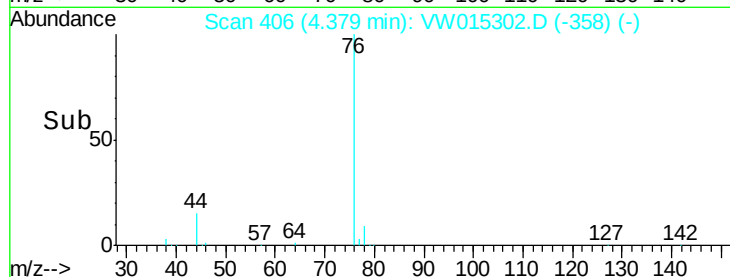
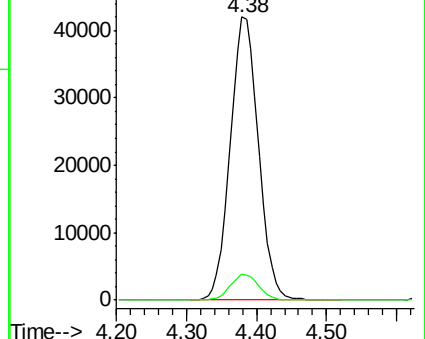
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 17.248 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW015302.D

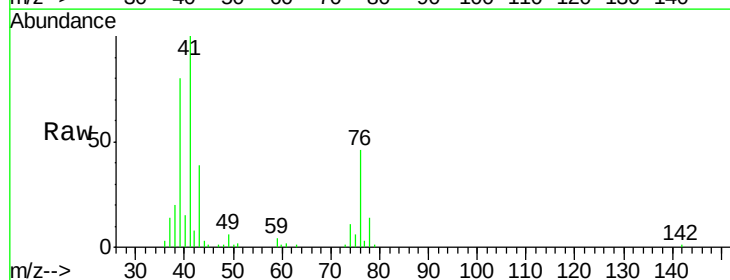
Acq: 22 Apr 2020 12:45

Tgt Ion: 43 Resp: 15301

Ion Ratio Lower Upper

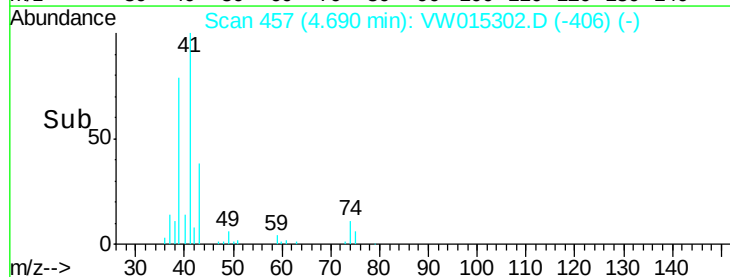
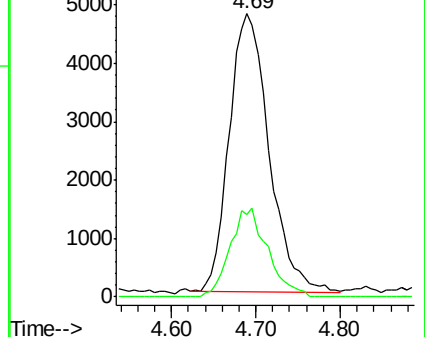
43 100

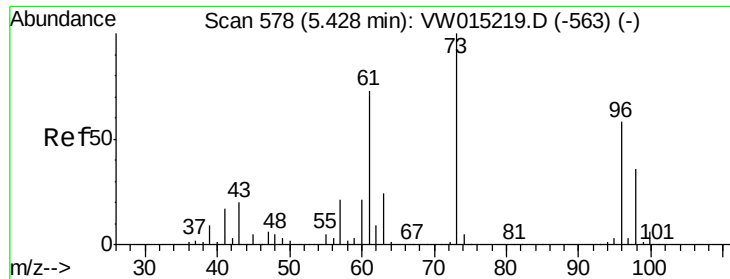
74 30.0 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





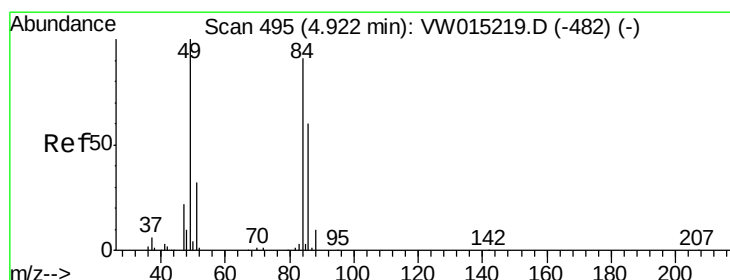
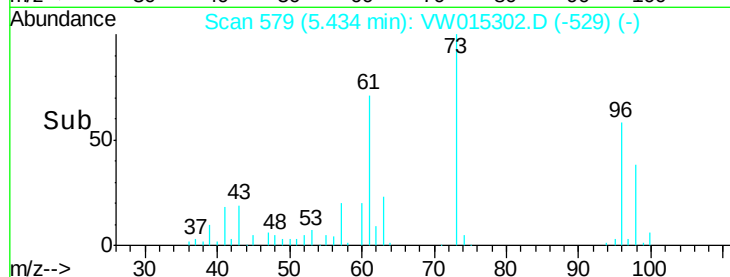
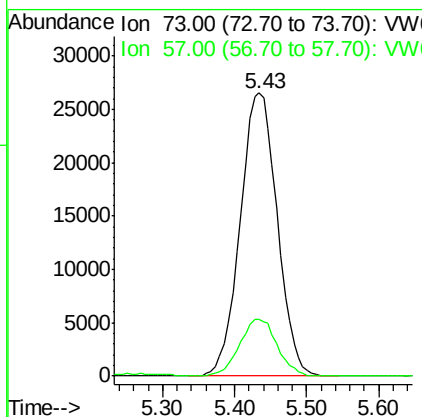
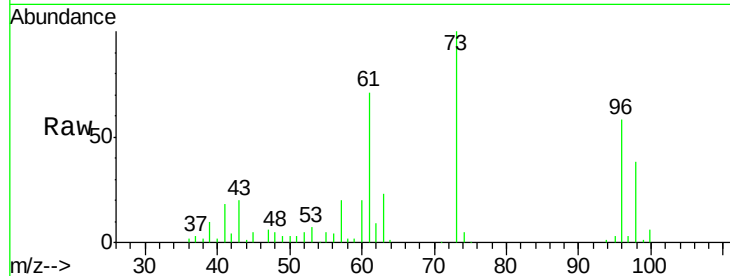
#19  
Methyl tert-butyl Ether  
Concen: 20.591 ug/l  
RT: 5.43 min Scan# 579  
Delta R.T. 0.01 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBS01

Tot Ion: 73 Resp: 94602  
Ion Ratio Lower Upper  
73 100  
57 20.3 17.8 26.6

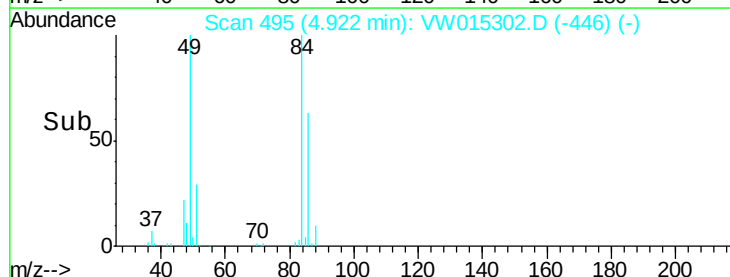
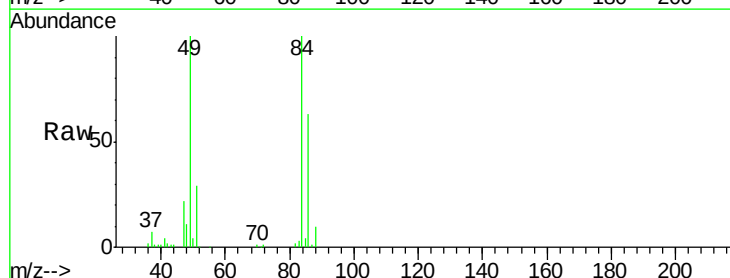
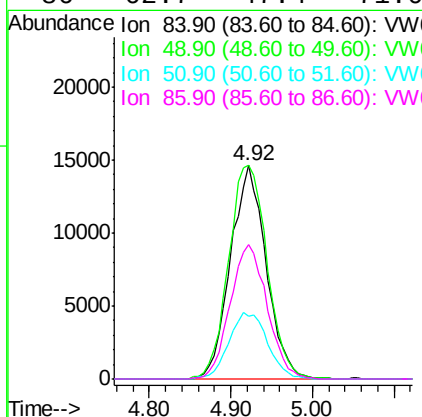
Manual Integrations  
APPROVED

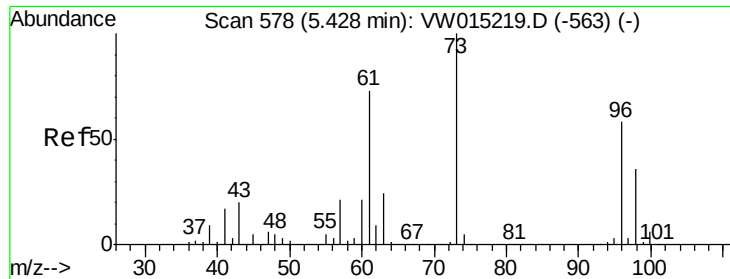
MMDadoda  
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#20  
Methylene Chloride  
Concen: 20.140 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Tgt Ion: 84 Resp: 44237  
Ion Ratio Lower Upper  
84 100  
49 99.9 95.4 143.0  
51 29.2 29.8 44.8#  
86 62.7 47.4 71.0





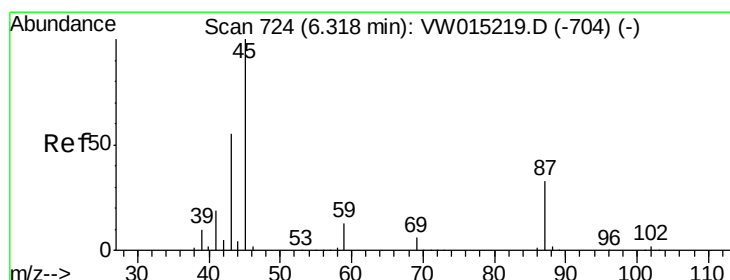
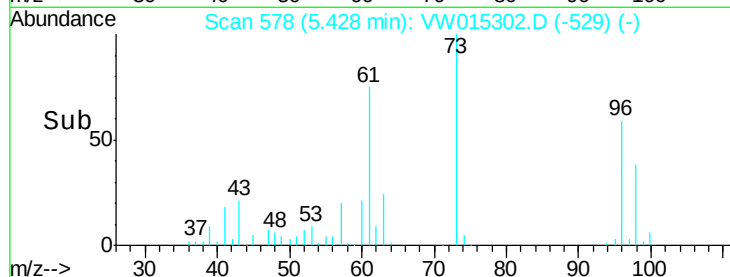
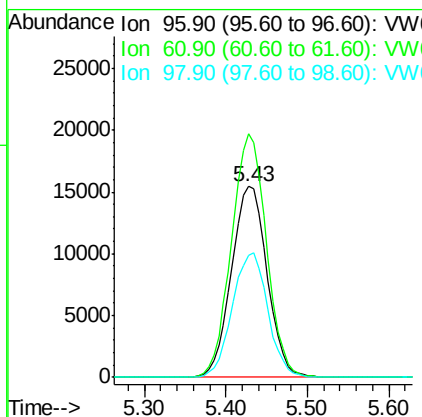
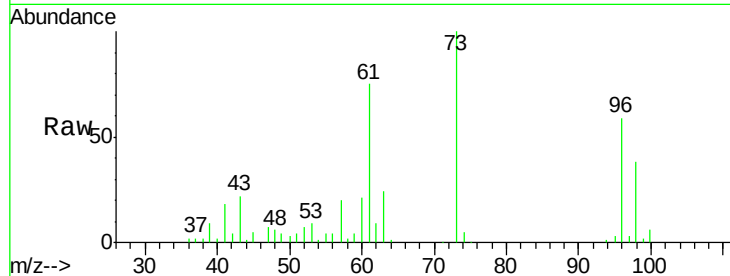
#21  
trans-1,2-Dichloroethene  
Concen: 20.668 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 127.7 | 107.8 | 161.6 |
| 98      | 63.8  | 50.2  | 75.2  |

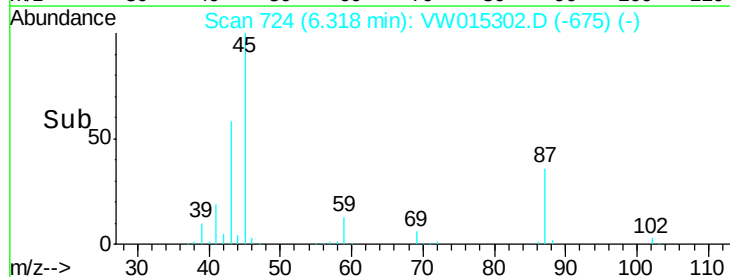
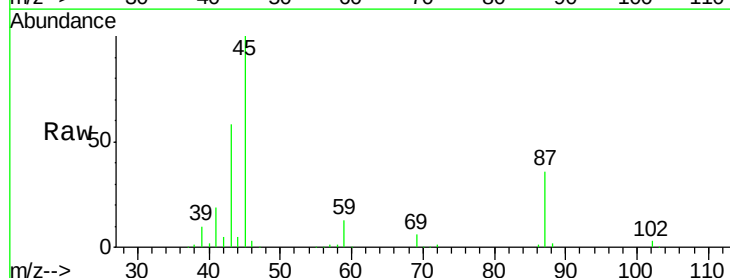
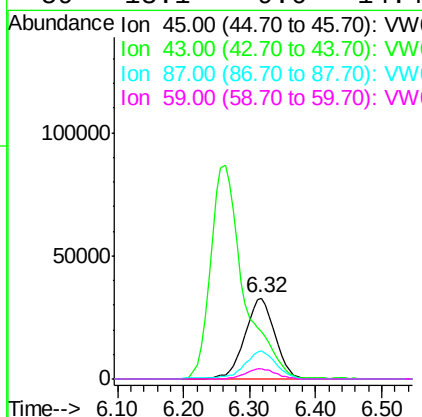
Manual Integrations  
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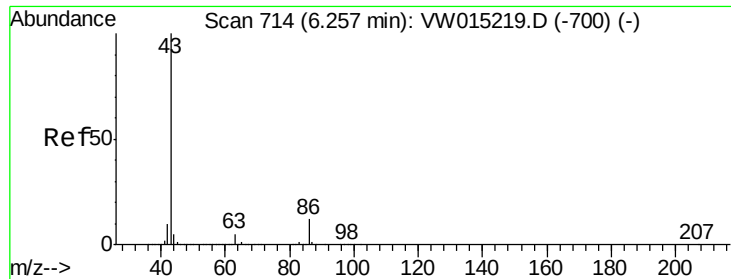


#22  
Diisopropyl ether  
Concen: 20.337 ug/l  
RT: 6.32 min Scan# 724  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 57.1  | 41.8  | 62.6  |
| 87      | 35.6  | 23.2  | 34.8# |
| 59      | 13.1  | 9.6   | 14.4  |







#23

Vinyl Acetate

Concen: 100.449 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

ClientSampleID :

VW0422SBS01

Tot Ion: 43 Resp: 300237

Ion Ratio Lower Upper

43 100

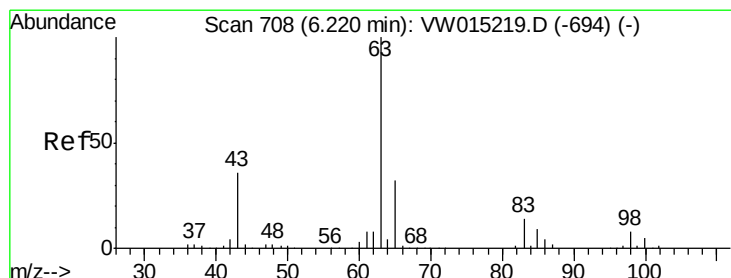
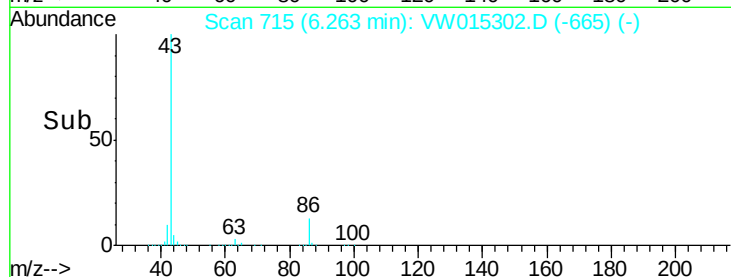
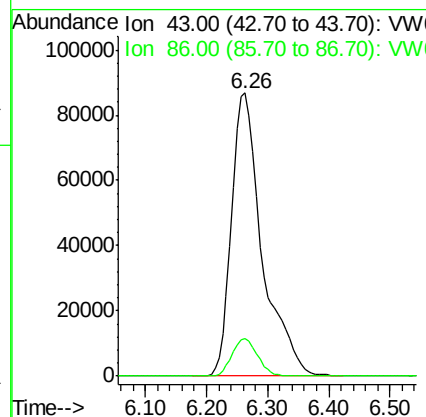
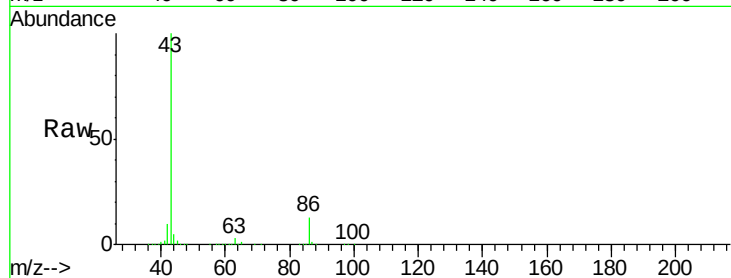
86 13.5 9.1 13.7

Manual Integrations

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MMDadoda

4/23/2020 1:32:55 PM



#24

1,1-Dichloroethane

Concen: 20.453 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

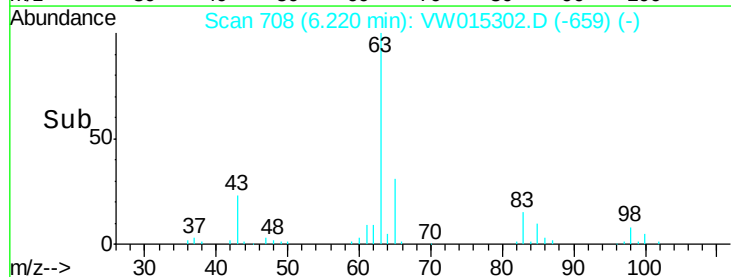
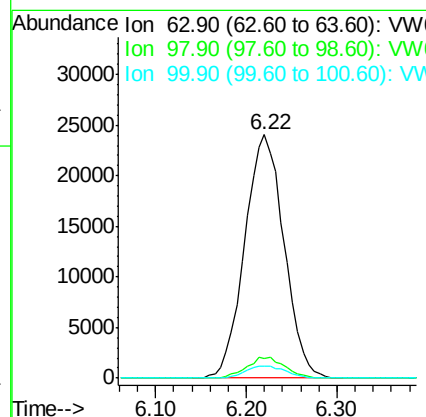
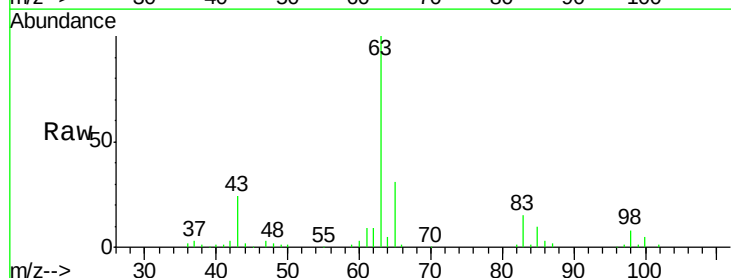
Tgt Ion: 63 Resp: 72198

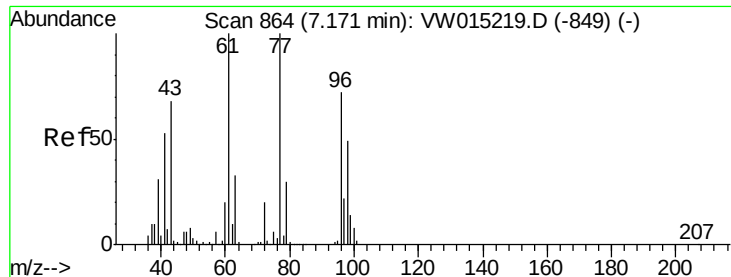
Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 89.077 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

ClientSampleId :

VW0422SBS01

Tot Ion: 43 Resp: 39607

Ion Ratio Lower Upper

43 100

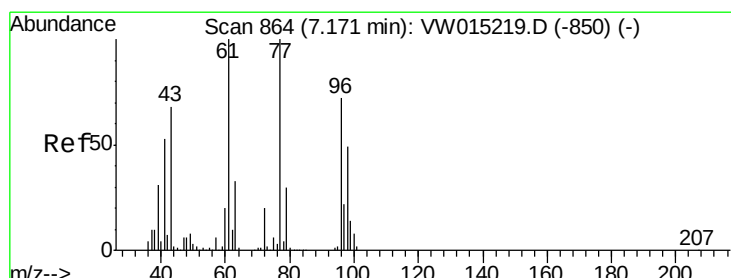
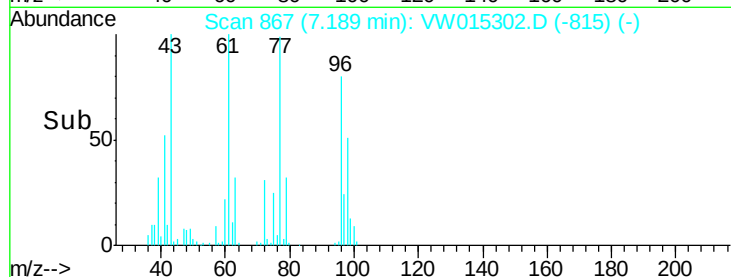
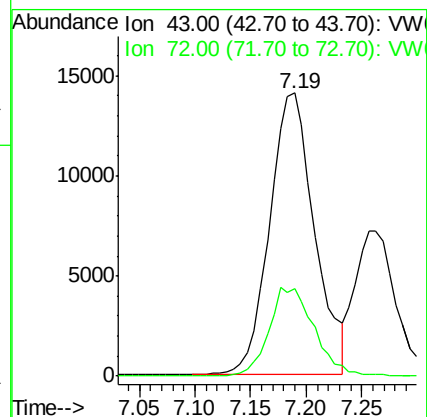
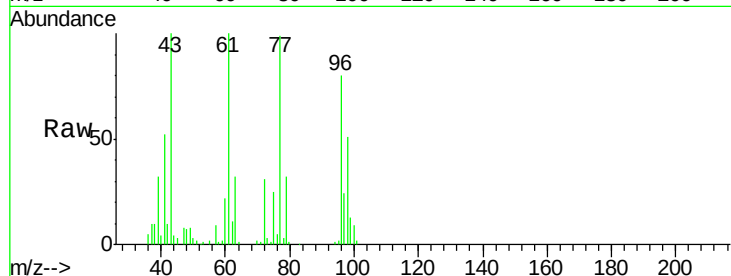
72 31.1 21.6 32.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.304 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015302.D

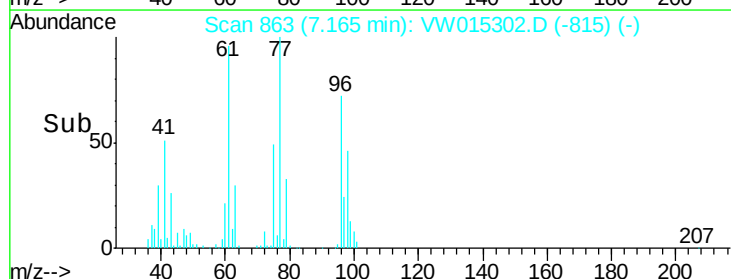
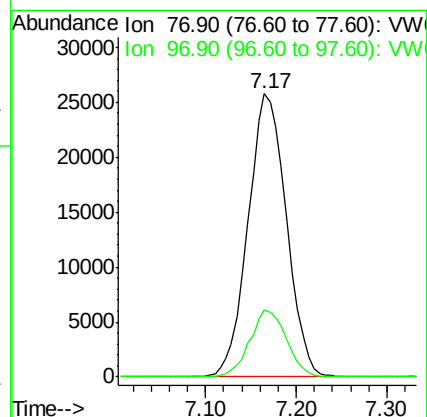
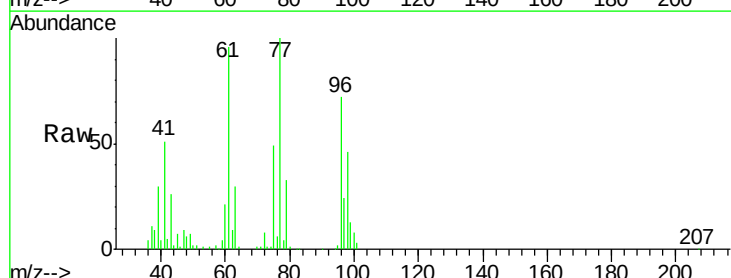
Acq: 22 Apr 2020 12:45

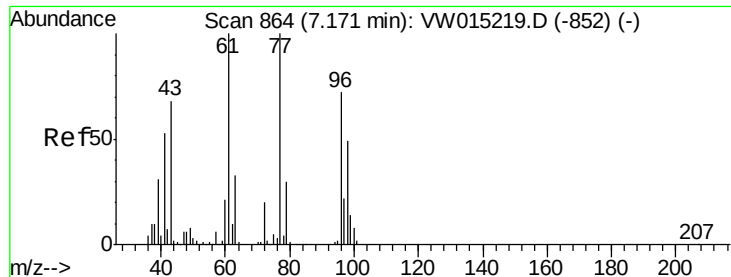
Tgt Ion: 77 Resp: 75403

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.5





#27

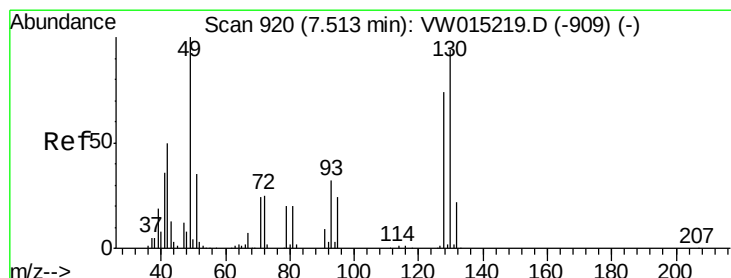
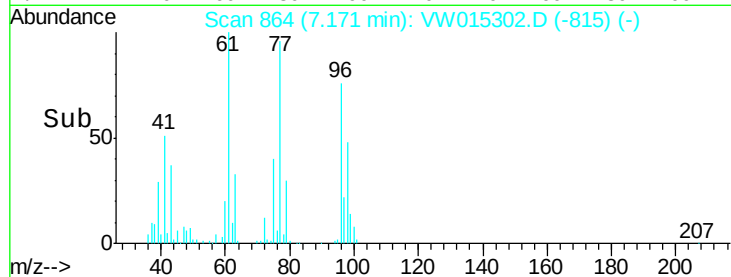
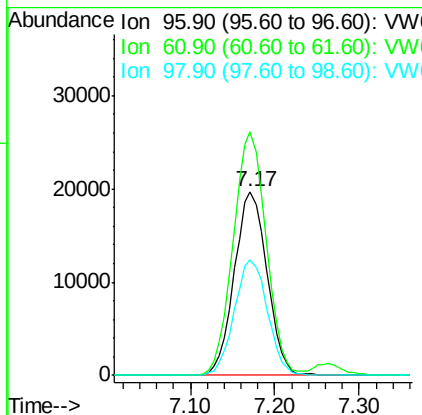
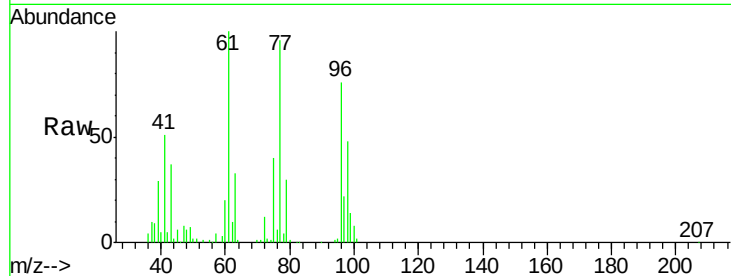
cis-1,2-Dichloroethene  
Concen: 21.086 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 133.3 | 0.0   | 275.0 |
| 98      | 63.8  | 0.0   | 130.8 |

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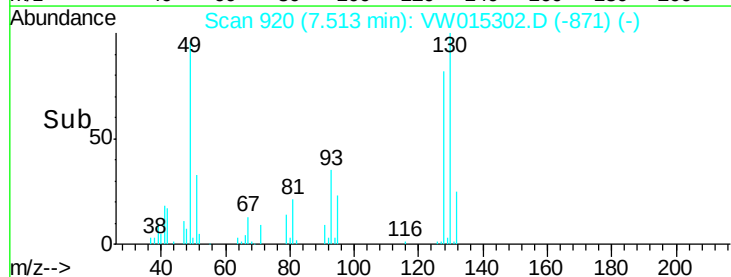
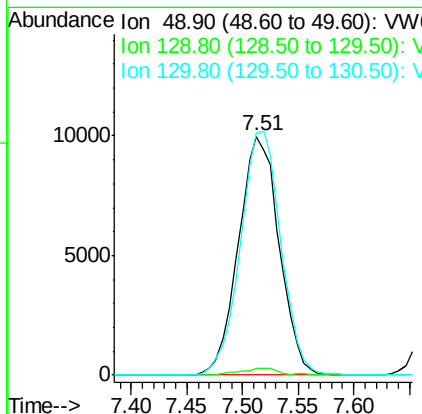
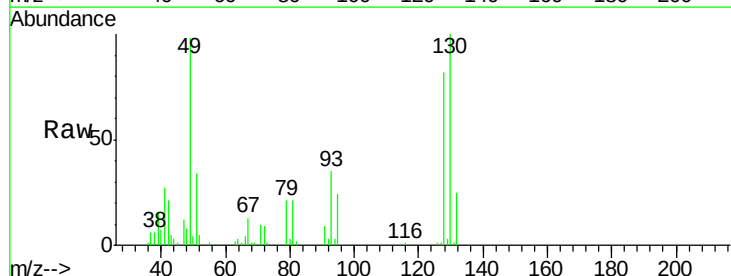
MMDadoda  
4/23/2020 1:32:55 PM

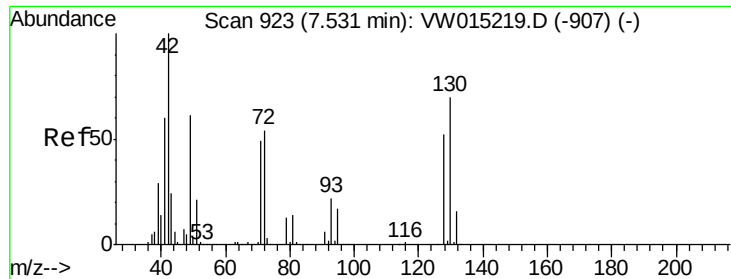


#28

Bromochloromethane  
Concen: 19.763 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.6   | 0.0   | 4.6   |
| 130     | 101.4 | 60.9  | 91.3# |





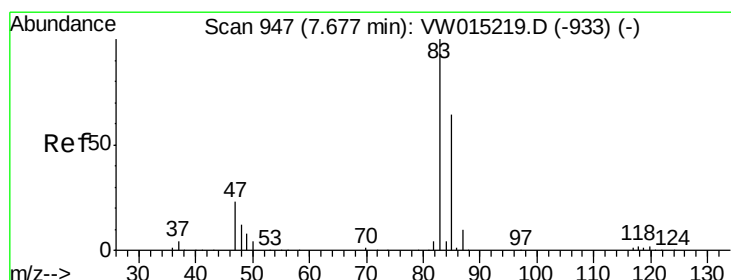
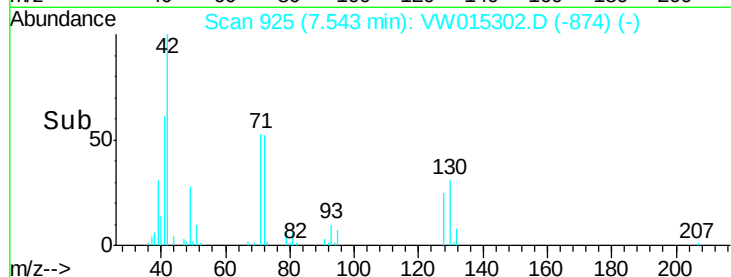
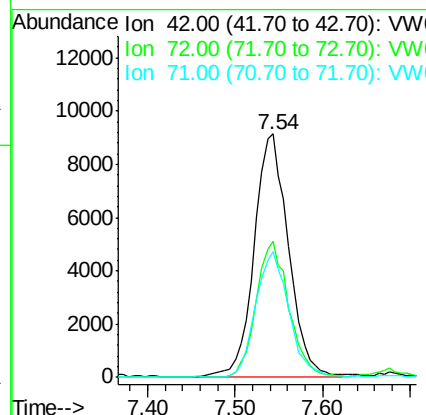
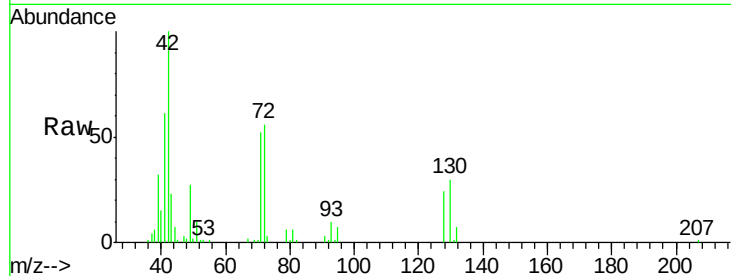
#29  
Tetrahydrofuran  
Concen: 90.540 ug/l  
RT: 7.54 min Scan# 925  
Delta R.T. 0.01 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 53.0  | 36.2  | 54.2  |
| 71      | 50.2  | 34.2  | 51.4  |

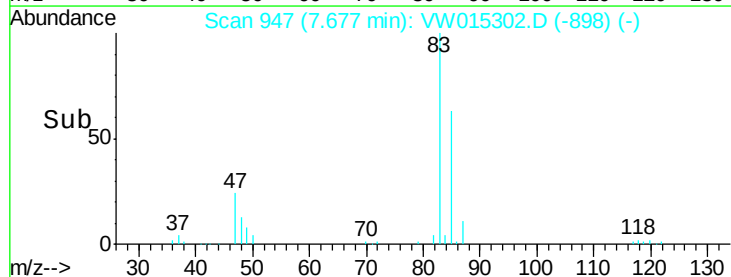
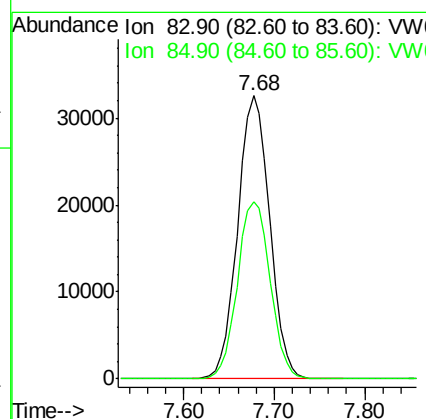
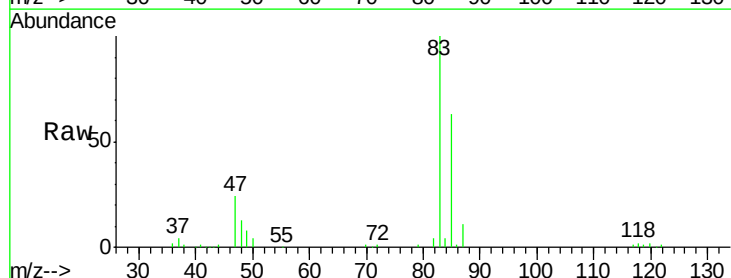
Manual Integrations  
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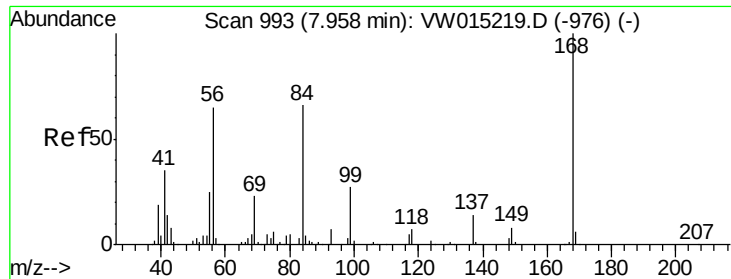
MMDadoda  
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#30  
Chloroform  
Concen: 20.936 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.8  | 50.9  | 76.3  |





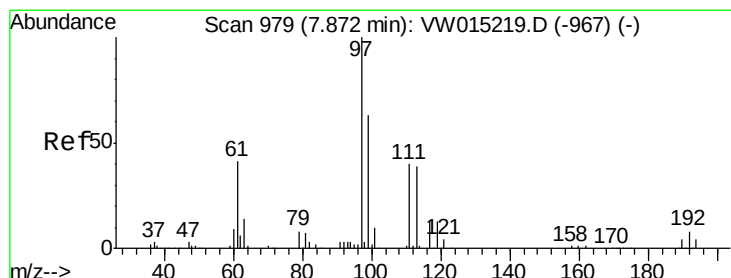
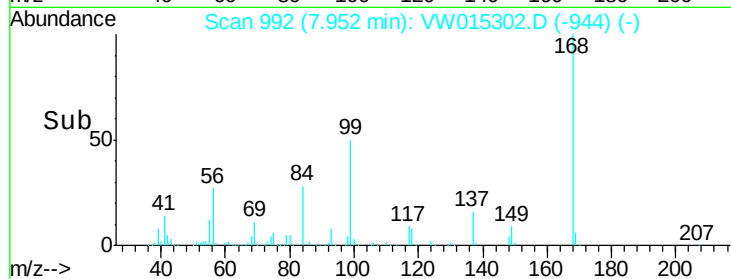
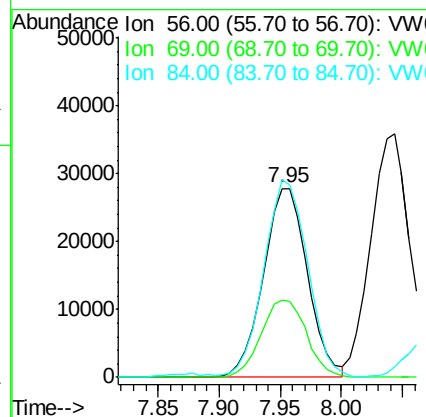
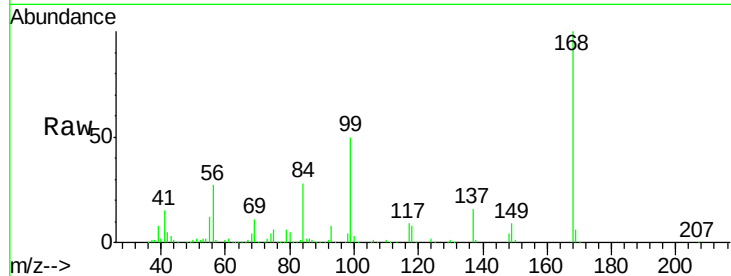
#31  
Cvclohexane  
Concen: 19.778 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBS01

| Tot Ion | 56    | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 56      | 100   |       |       |       |
| 69      | 41.1  | 27.1  | 40.7# |       |
| 84      | 102.7 | 71.9  | 107.9 |       |

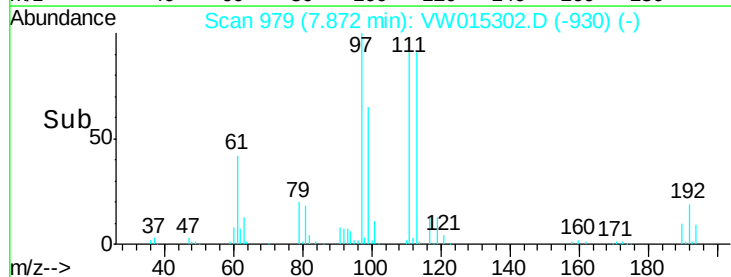
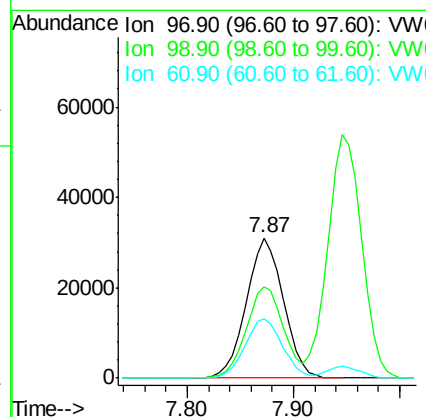
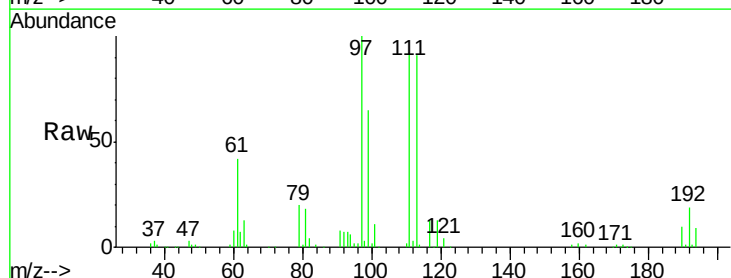
Manual Integrations  
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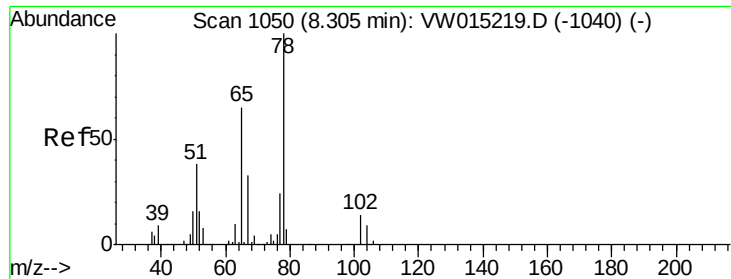
MMDadoda  
4/23/2020 1:32:55 PM



#32  
1,1,1-Trichloroethane  
Concen: 20.604 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | 97   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 97      | 100  |       |       |       |
| 99      | 65.8 | 52.2  | 78.2  |       |
| 61      | 42.9 | 34.2  | 51.2  |       |





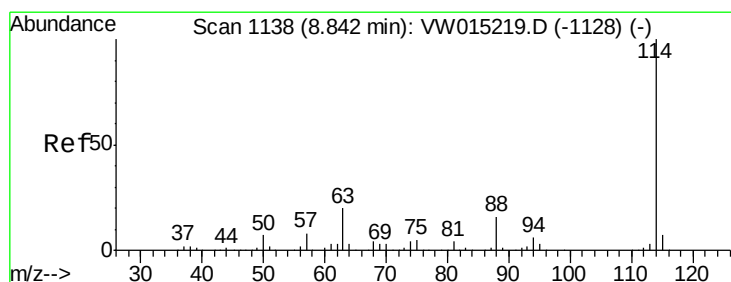
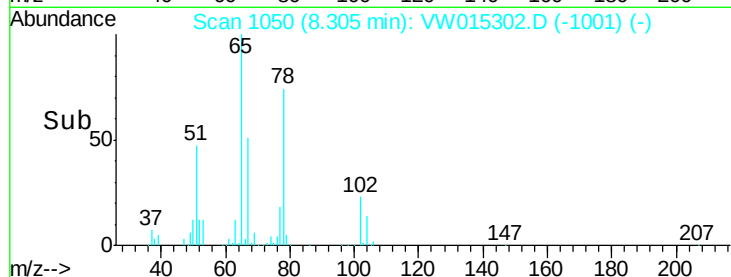
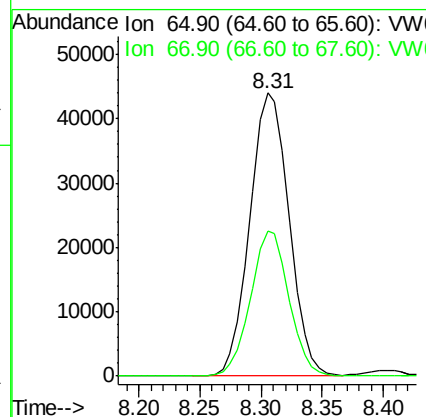
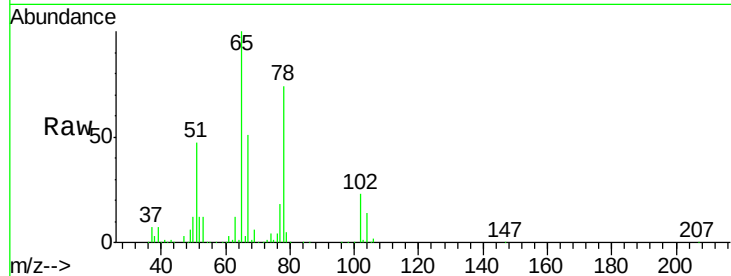
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.338 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 50.3  | 0.0   | 107.0 |

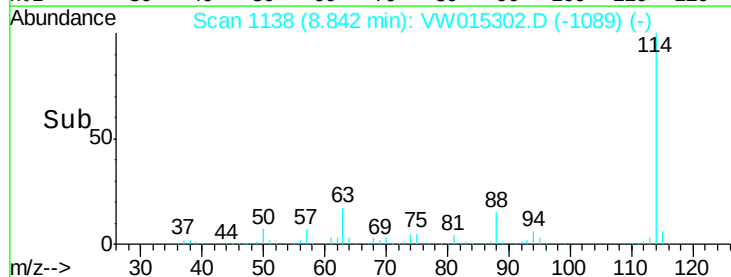
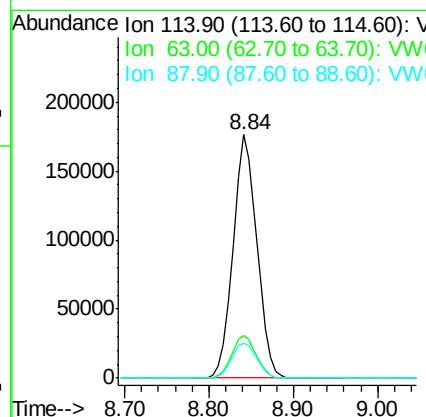
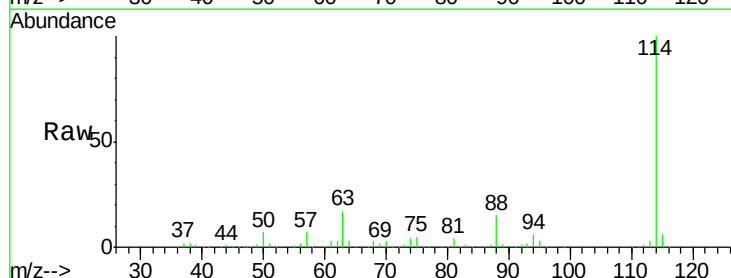
Manual Integrations  
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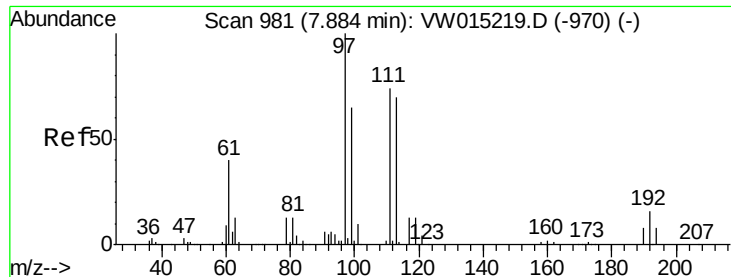
MMDadoda  
 4/23/2020 1:32:55 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.3  | 0.0   | 39.8  |
| 88      | 14.5  | 0.0   | 30.2  |





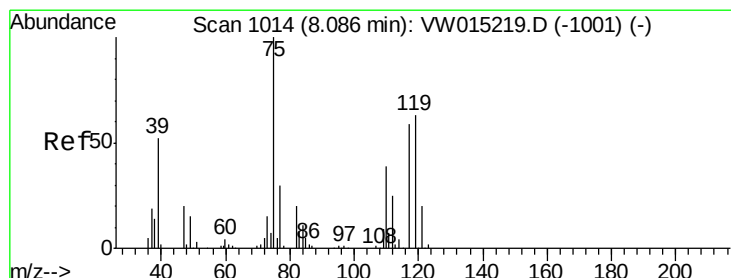
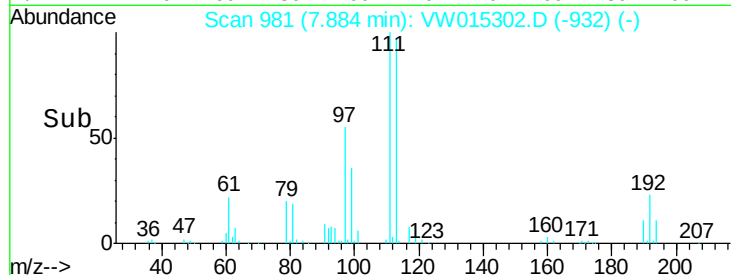
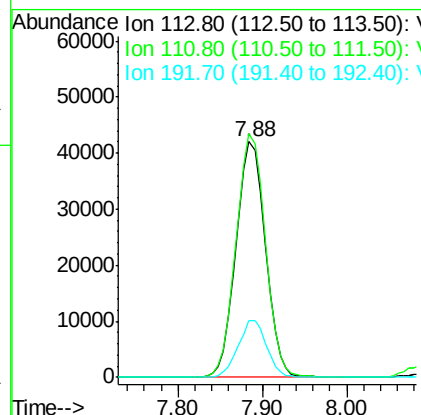
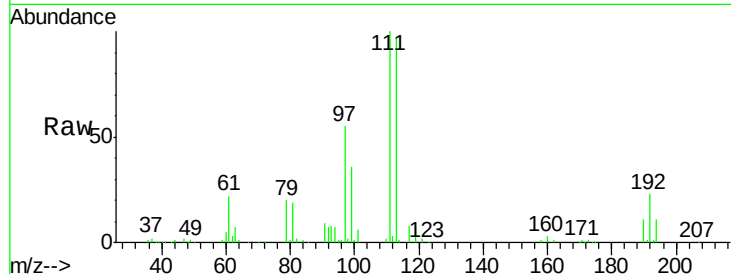
#35  
 Dibromofluoromethane  
 Concen: 53.055 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 99321 |       |       |
| 111     | 102.8 | 83.0  | 124.4 |       |
| 192     | 23.3  | 15.1  | 22.7# |       |

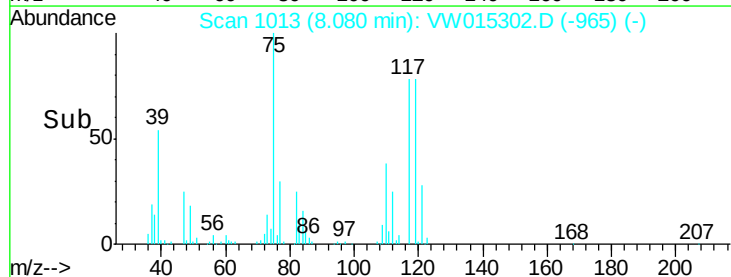
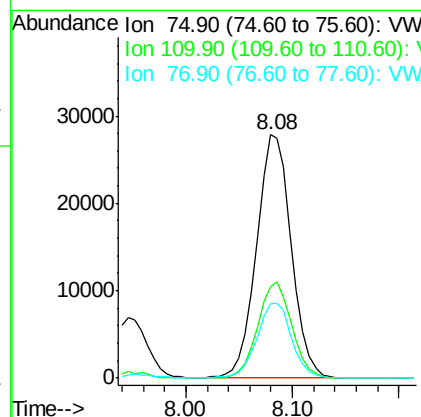
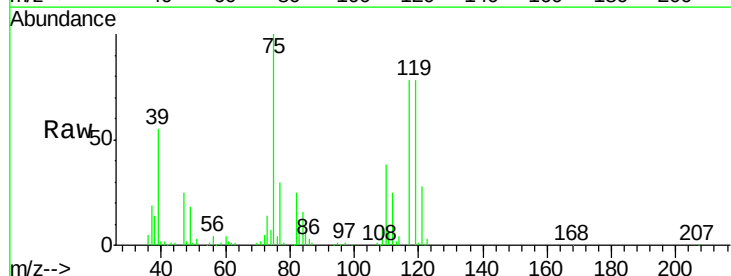
Manual Integrations  
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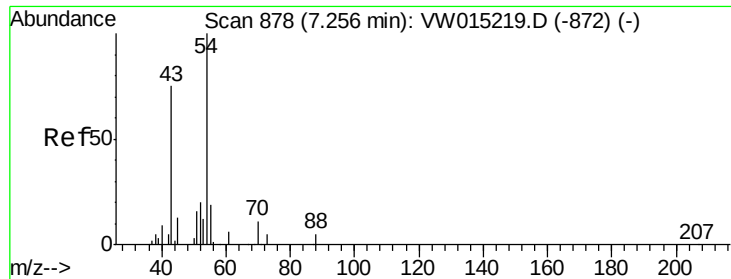
MMDadoda  
 4/23/2020 1:32:55 PM



#36  
 1,1-Dichloropropene  
 Concen: 20.904 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. -0.01 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 63764 |       |       |
| 110     | 38.7  | 18.2  | 54.6  |       |
| 77      | 31.0  | 24.5  | 36.7  |       |





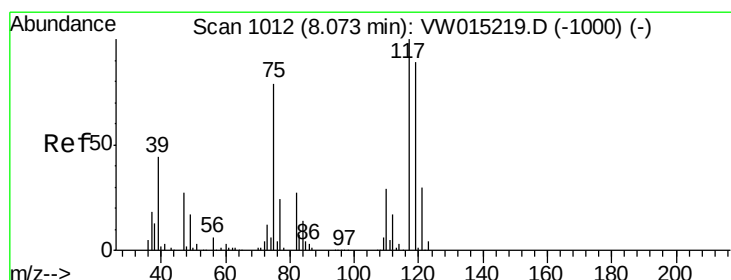
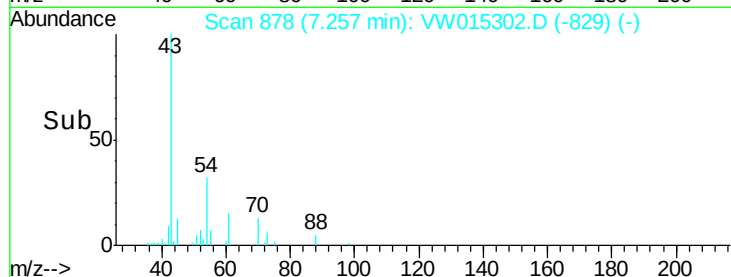
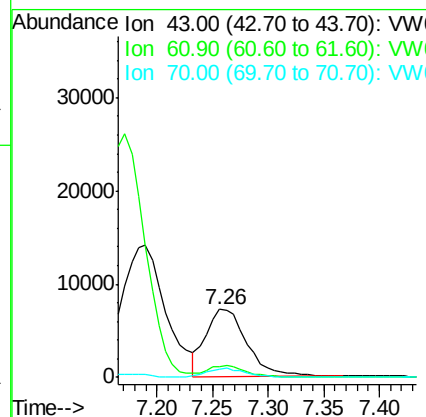
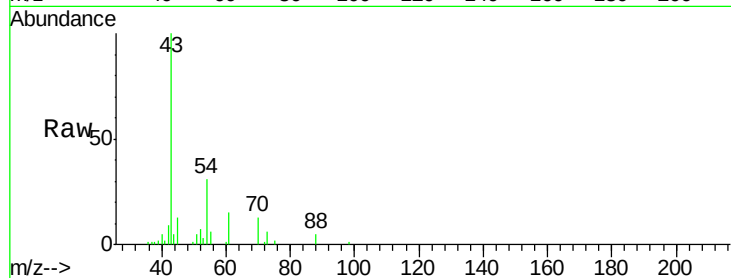
#37  
Ethyl Acetate  
Concen: 18.440 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.1  | 11.9  | 17.9  |
| 70      | 13.1  | 8.8   | 13.2  |

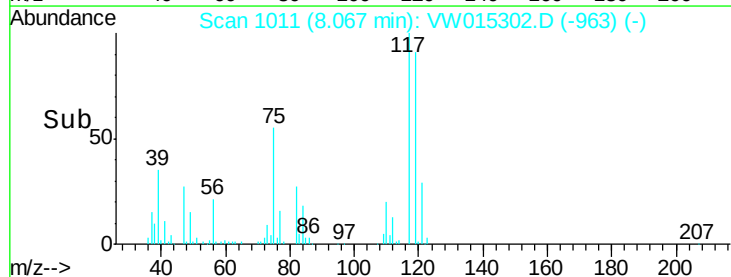
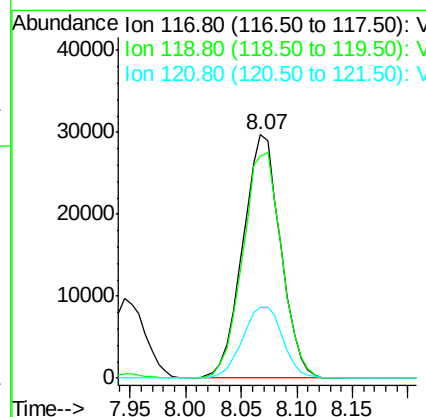
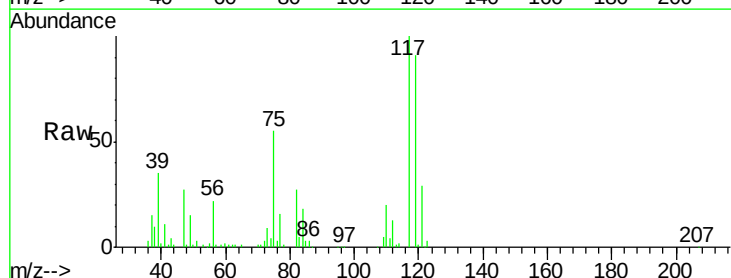
Manual Integrations  
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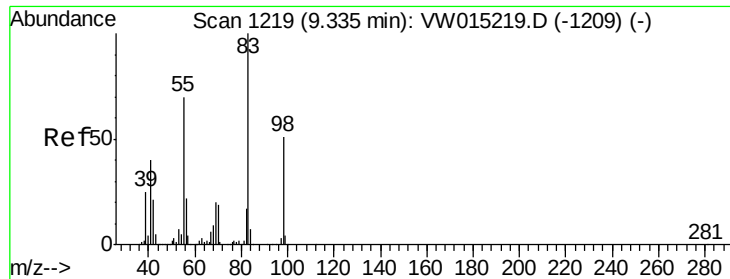


#38  
Carbon Tetrachloride  
Concen: 21.042 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.2  | 72.3  | 108.5 |
| 121     | 29.2  | 23.7  | 35.5  |







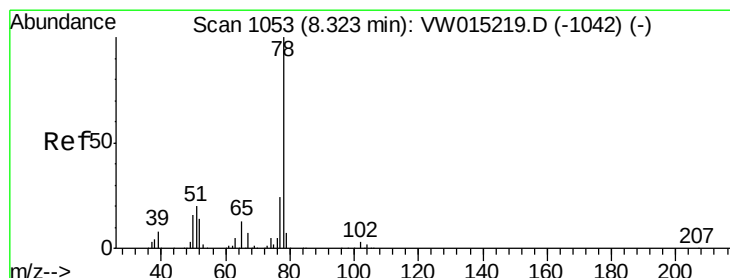
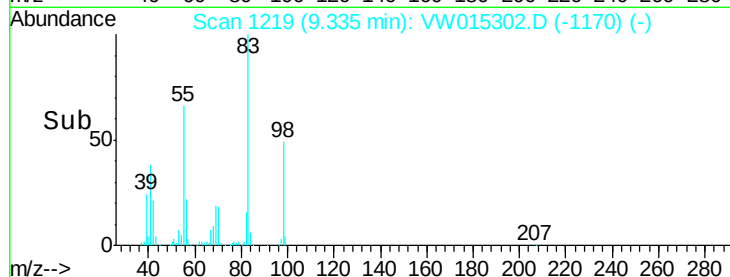
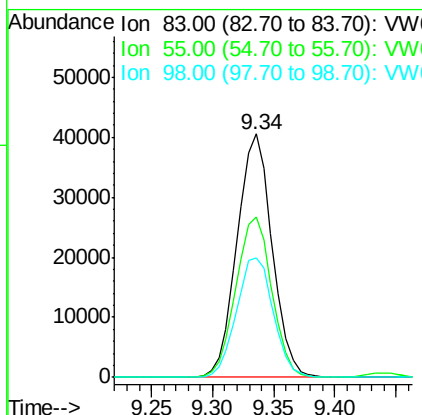
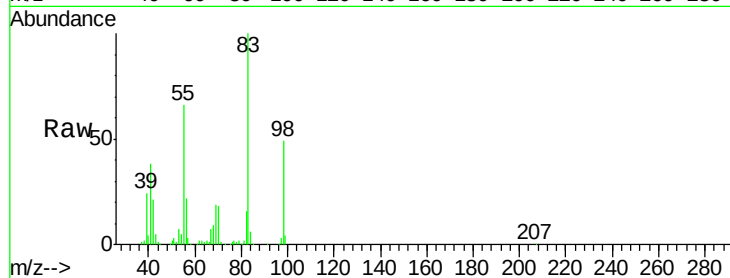
#39  
Methylvlcyclohexane  
Concen: 19.870 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | 83    | Resp  | 80672 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 65.9  | 58.1  | 87.1  |
| 98      | 49.3  | 40.2  | 60.4  |

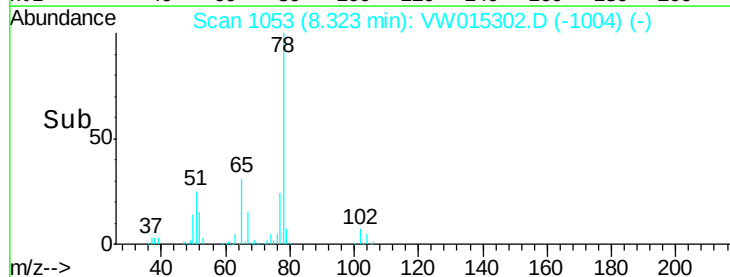
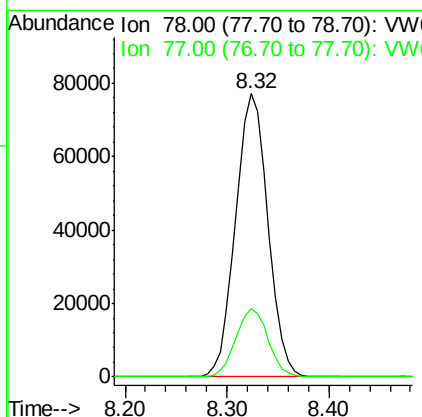
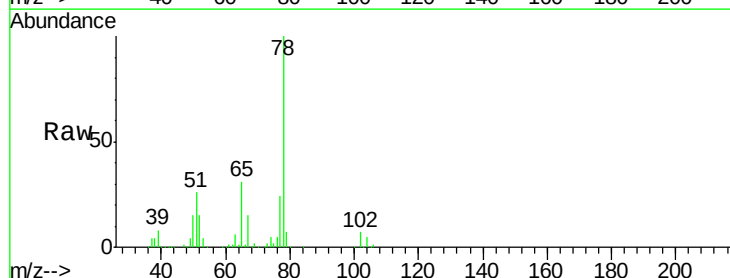
Manual Integrations  
APPROVED

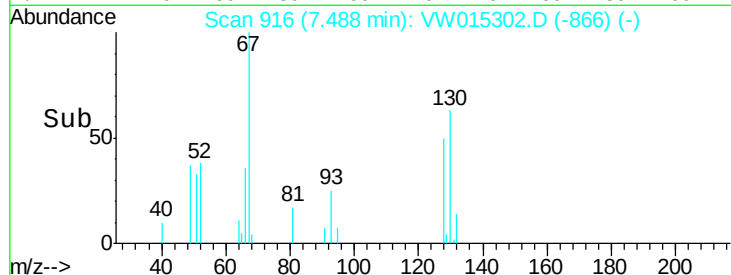
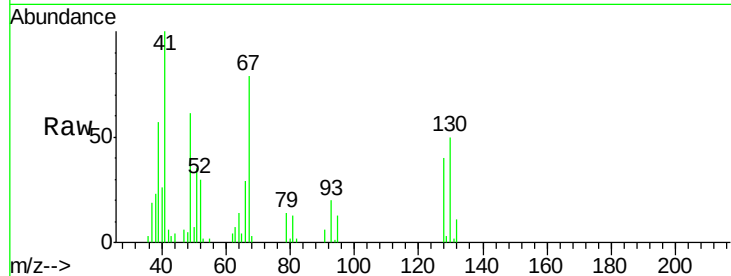
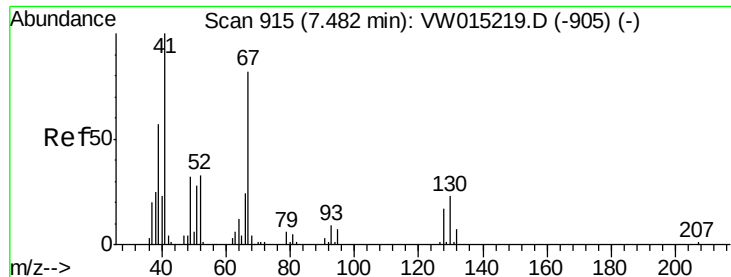
MMDadoda  
4/23/2020 1:32:55 PM



#40  
Benzene  
Concen: 20.799 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | 78    | Resp  | 169475 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 24.1  | 18.2  | 27.2   |





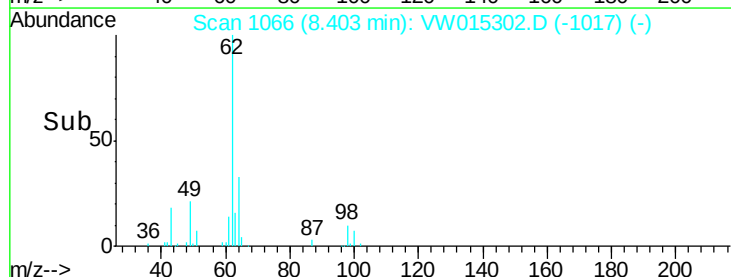
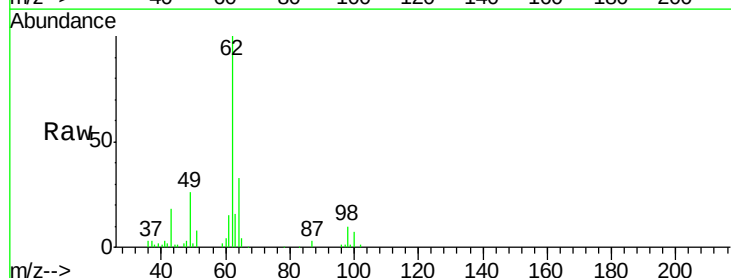
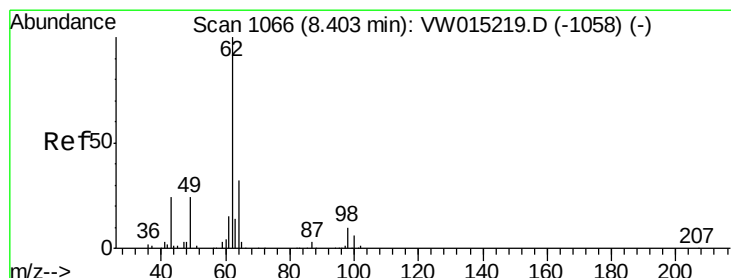
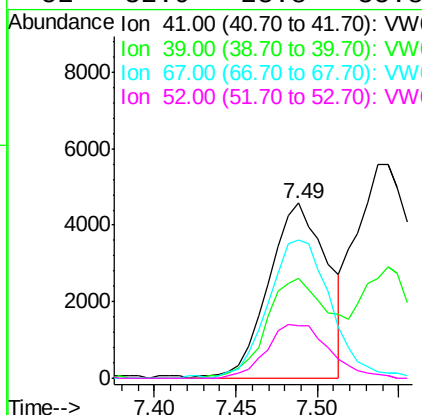
#41  
Methacrylonitrile  
Concen: 19.207 ug/l  
RT: 7.49 min Scan# 916  
Delta R.T. 0.01 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tot Ion   | 41    | Resp  | 11409 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 64.2  | 41.9  | 62.9# |
| 67        | 85.1  | 60.6  | 91.0  |
| 52        | 32.9  | 23.8  | 35.8  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

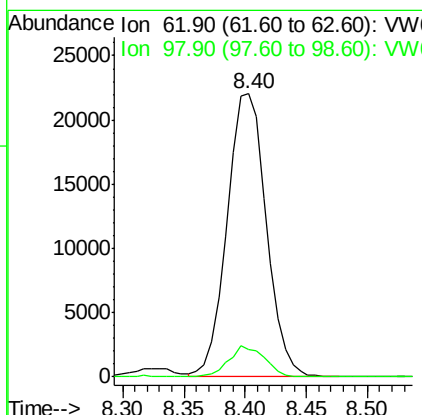
Manual Integrations  
APPROVED

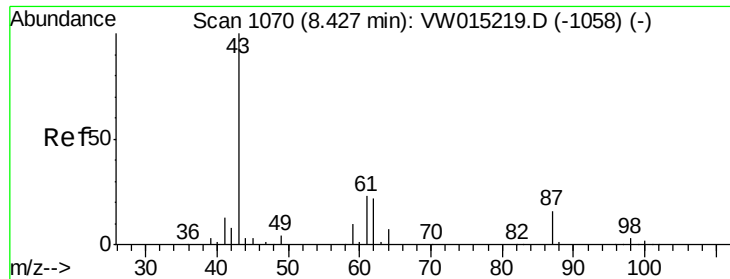
MMDadoda  
4/23/2020 1:32:55 PM



#42  
1,2-Dichloroethane  
Concen: 20.429 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion   | 62    | Resp  | 49003 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 10.1  | 0.0   | 20.4  |





#43

Isopropyl Acetate

Concen: 18.973 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

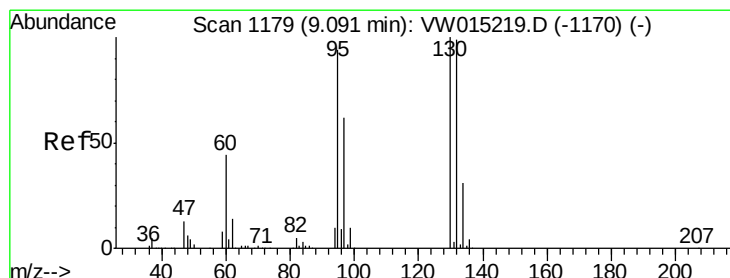
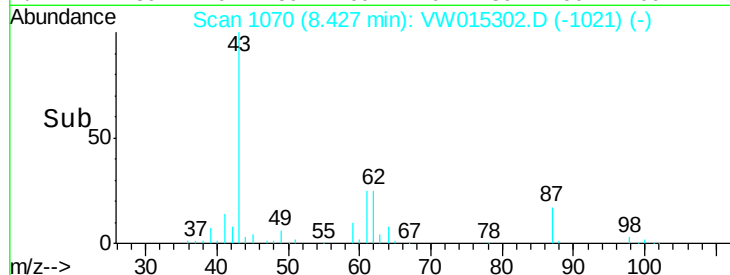
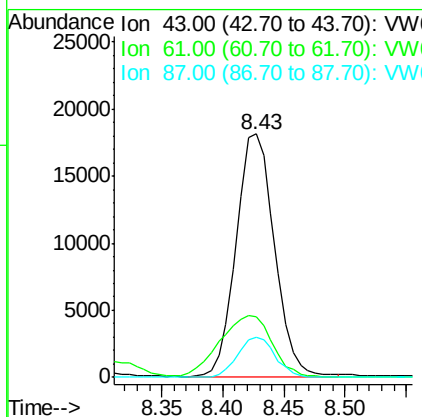
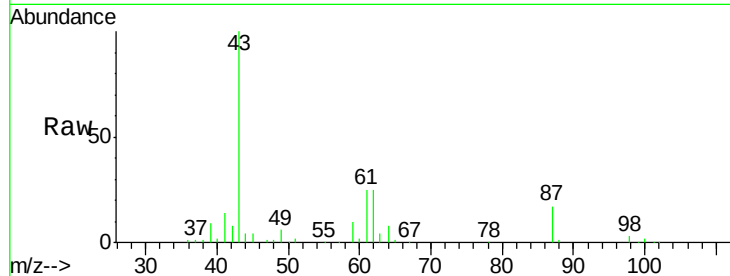
ClientSampleId :

VW0422SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 39394 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 35.2  | 24.8  | 37.2  |
| 87       | 16.1  | 11.4  | 17.2  |

Manual Integrations  
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4/23/2020 1:32:55 PM



#44

Trichloroethene

Concen: 21.643 ug/l

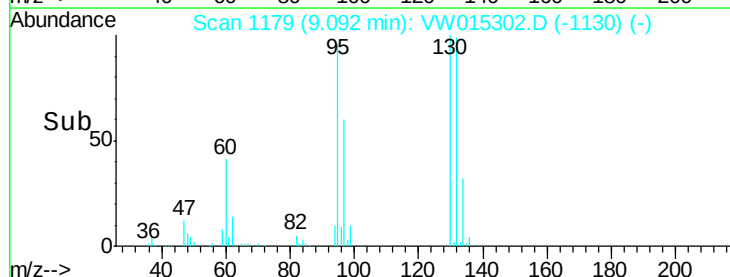
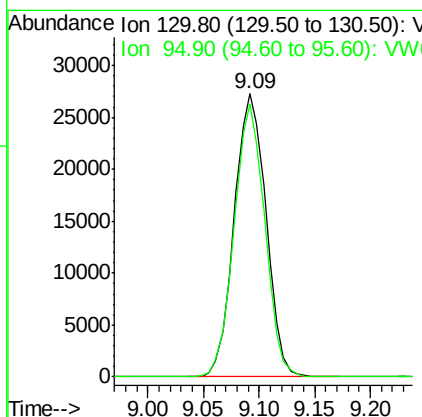
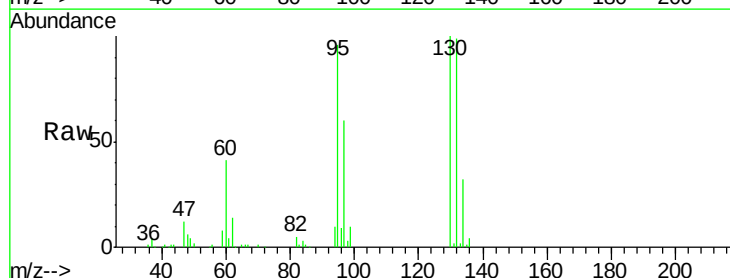
RT: 9.09 min Scan# 1179

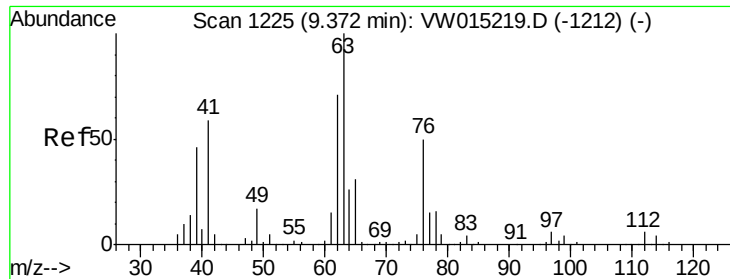
Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 53942 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 96.3  | 0.0   | 196.4 |





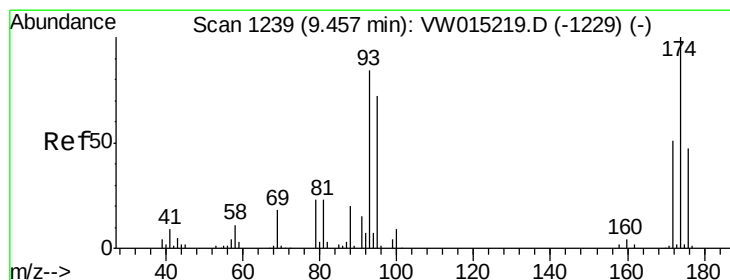
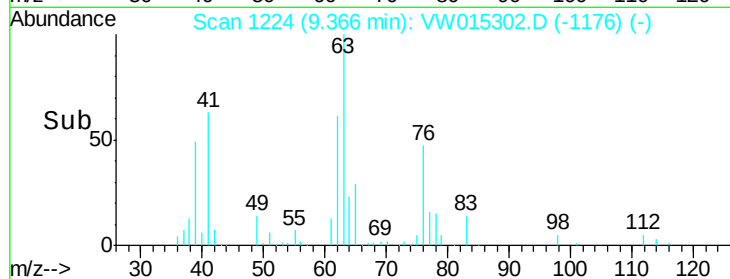
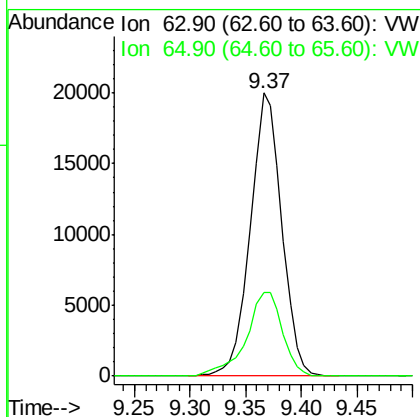
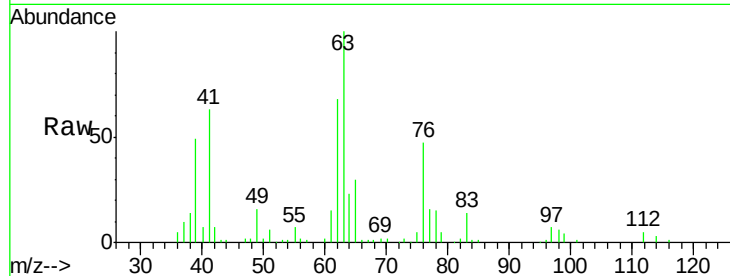
#45  
 1,2-Dichloropropane  
 Concen: 20.691 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.01 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 29.6  | 25.5  | 38.3  |

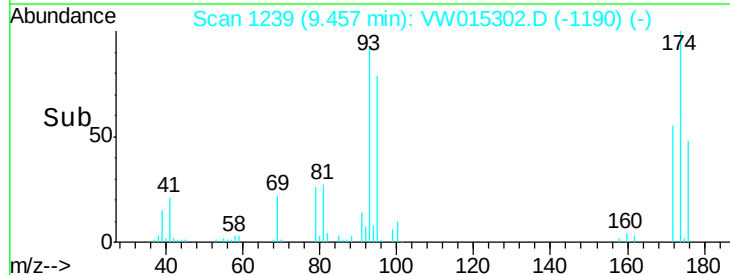
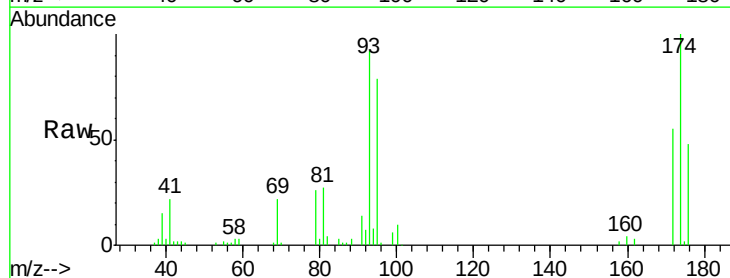
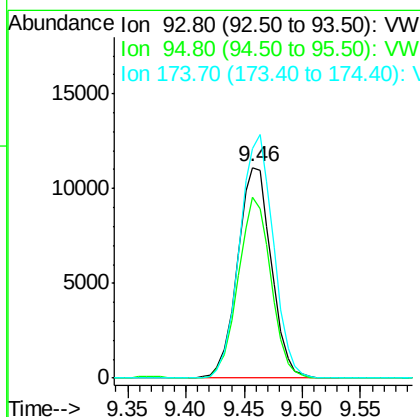
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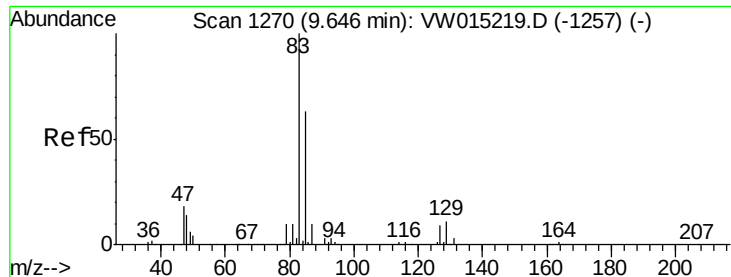
MMDadoda  
 4/23/2020 1:32:55 PM



#46  
 Dibromomethane  
 Concen: 20.552 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 93      | 100   |       |        |
| 95      | 83.3  | 67.5  | 101.3  |
| 174     | 114.9 | 74.1  | 111.1# |





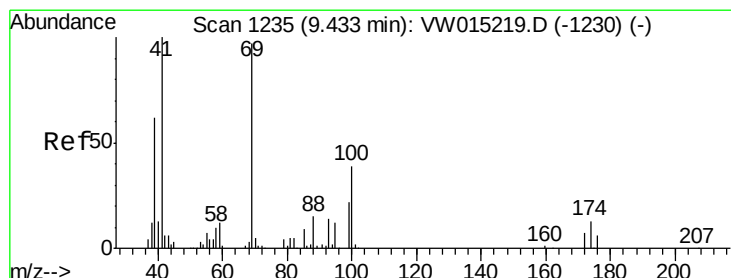
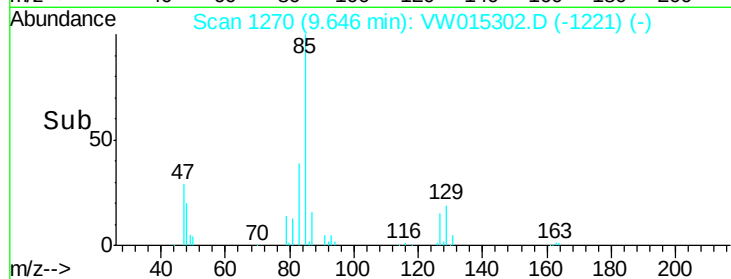
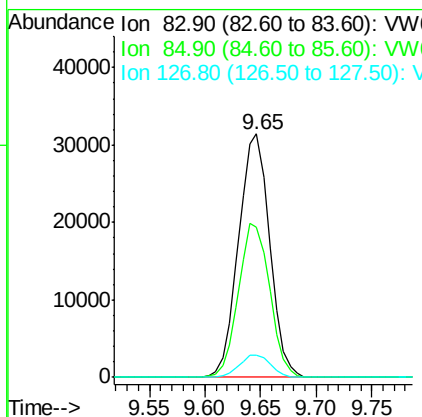
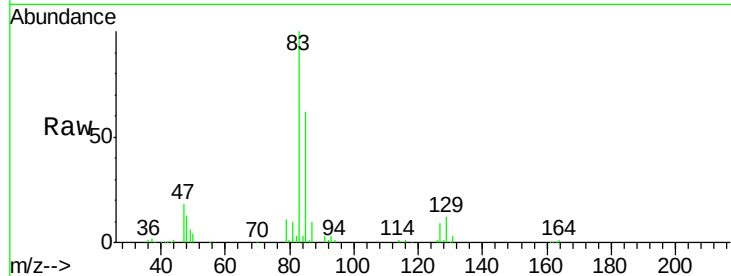
#47  
Bromodichloromethane  
Concen: 20.873 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 83      | 100   | 61162 |       |       |
| 85      | 61.8  | 50.6  | 76.0  |       |
| 127     | 9.3   | 6.7   | 10.1  |       |

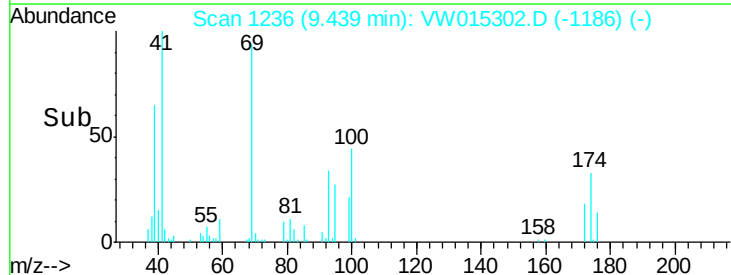
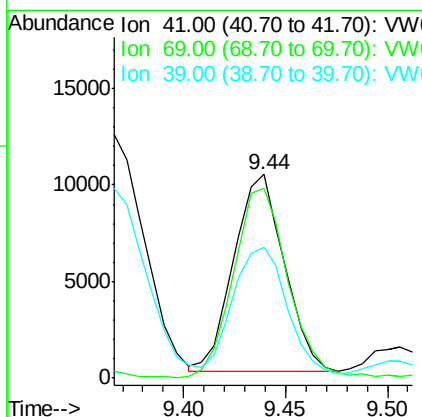
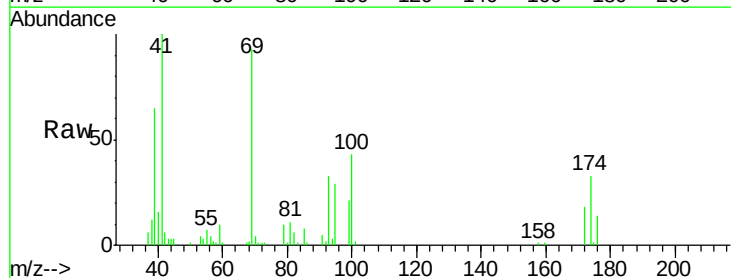
Manual Integrations  
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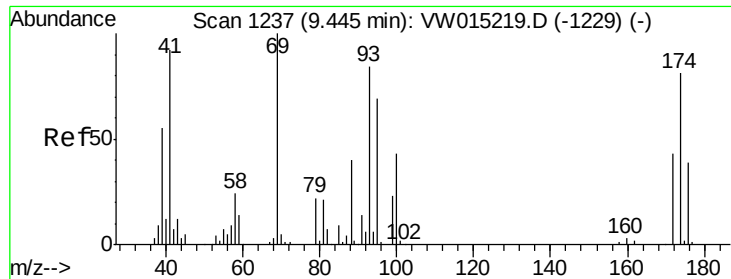
MMDadoda  
4/23/2020 1:32:55 PM



#48  
Methyl methacrylate  
Concen: 17.836 ug/l  
RT: 9.44 min Scan# 1236  
Delta R.T. 0.01 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 17507 |       |       |
| 69      | 105.4 | 70.6  | 105.8 |       |
| 39      | 67.9  | 42.6  | 64.0# |       |





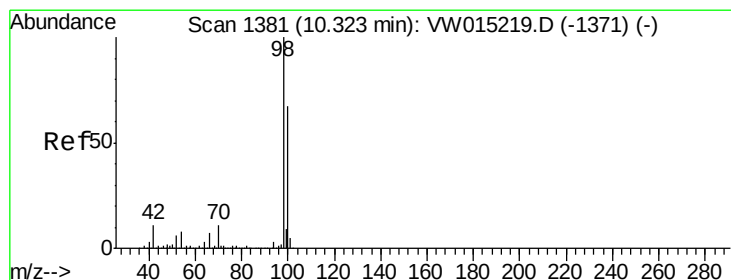
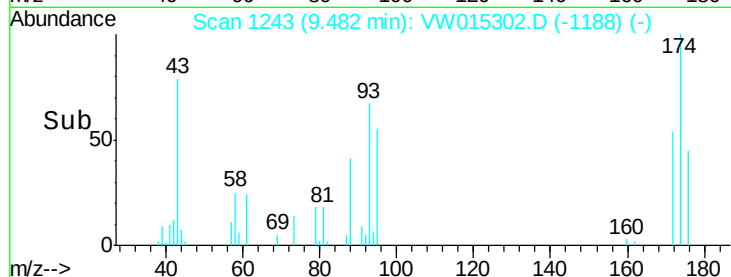
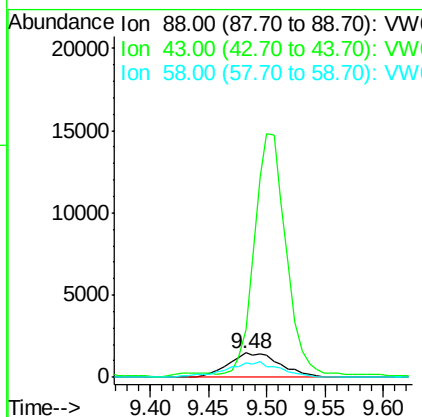
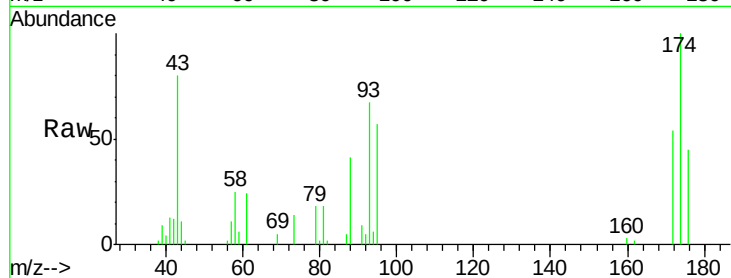
#49  
 1,4-Dioxane  
 Concen: 311.308 ug/l  
 RT: 9.48 min Scan# 1243  
 Delta R.T. 0.04 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 614.8 | 23.5  | 35.3# |
| 58      | 65.9  | 55.4  | 83.2  |

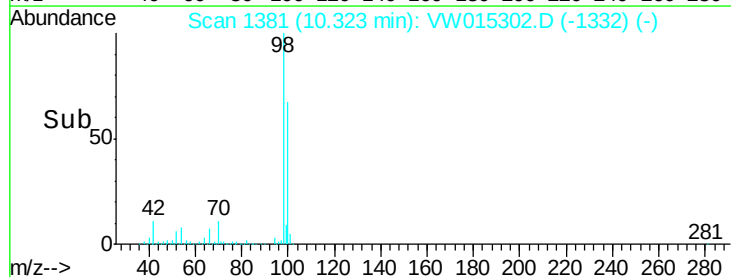
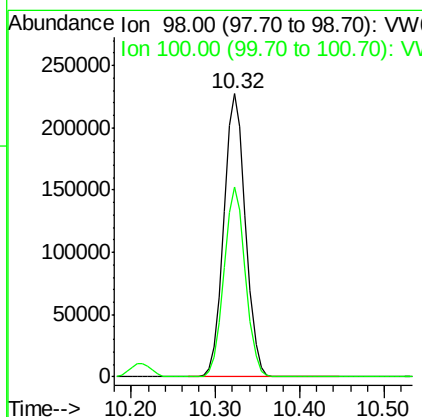
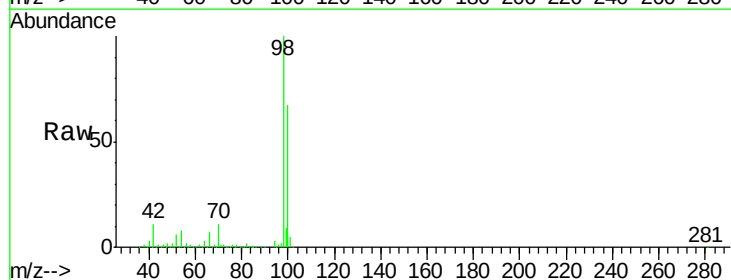
Manual Integrations  
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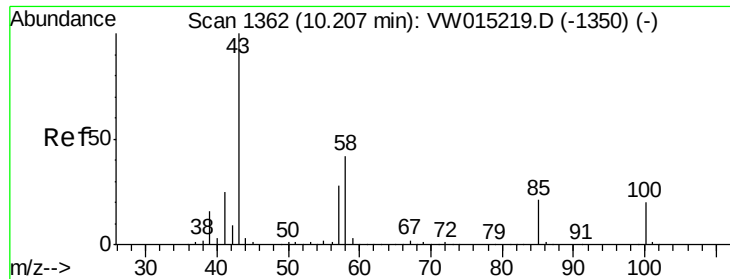
MMDadoda  
 4/23/2020 1:32:55 PM



#50  
 Toluene-d8  
 Concen: 50.826 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.4  | 52.9  | 79.3  |





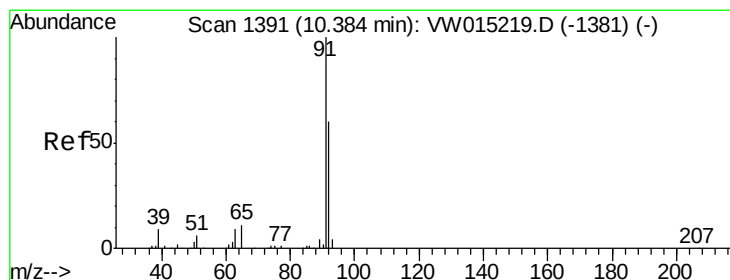
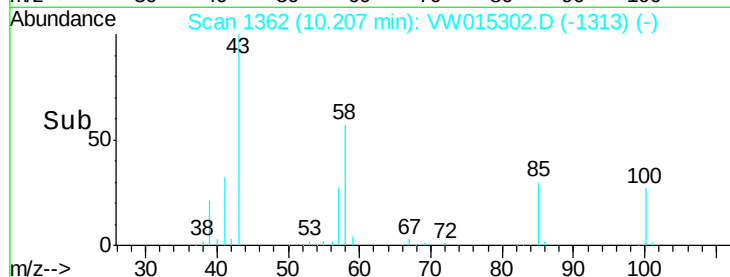
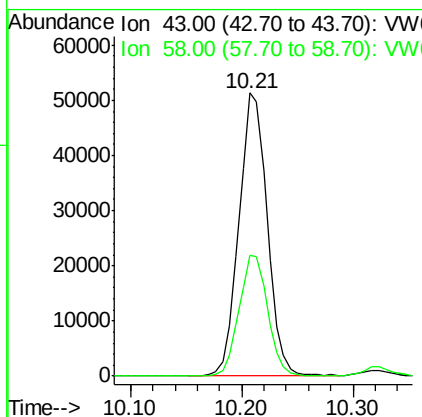
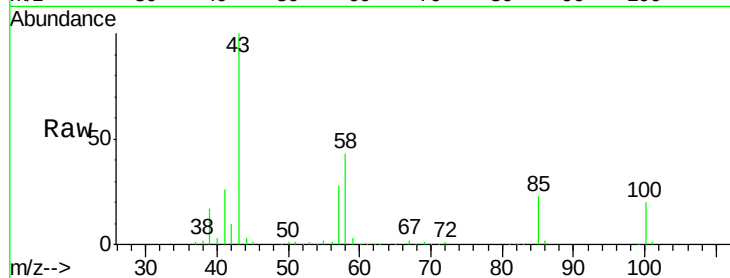
#51  
 4-Methyl-2-Pentanone  
 Concen: 92.455 ug/l  
 RT: 10.21 min Scan# 1362  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBS01

Tot Ion: 43 Resp: 90113  
 Ion Ratio Lower Upper  
 43 100  
 58 43.4 32.3 48.5

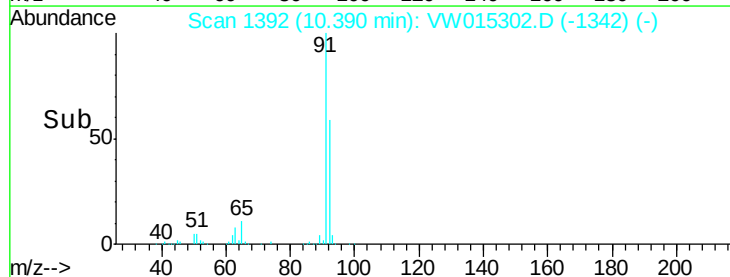
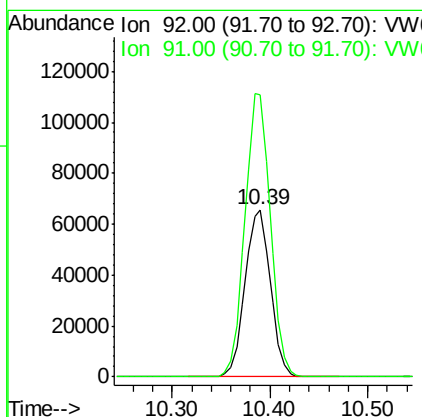
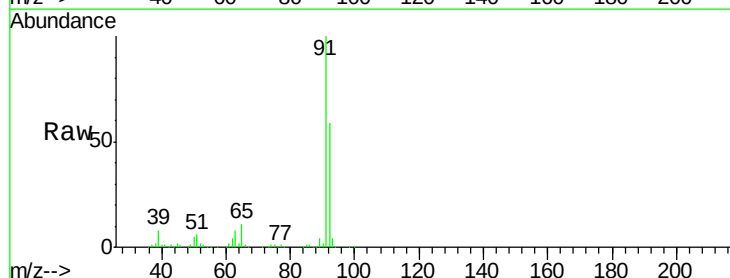
Manual Integrations  
 APPROVED

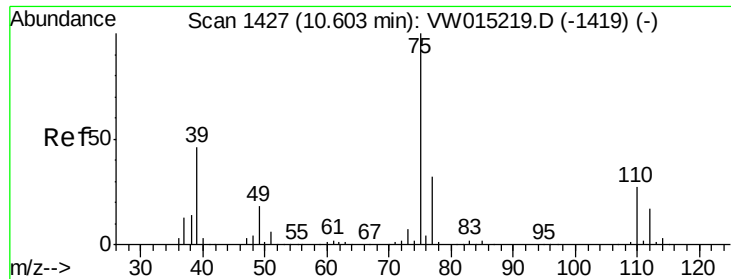
MMDadoda  
 4/23/2020 1:32:55 PM



#52  
 Toluene  
 Concen: 20.649 ug/l  
 RT: 10.39 min Scan# 1392  
 Delta R.T. 0.01 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Tgt Ion: 92 Resp: 117757  
 Ion Ratio Lower Upper  
 92 100  
 91 170.4 137.1 205.7





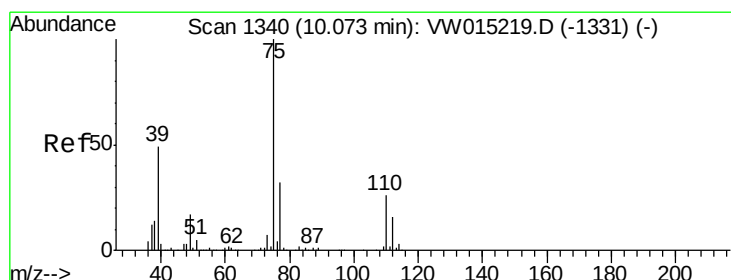
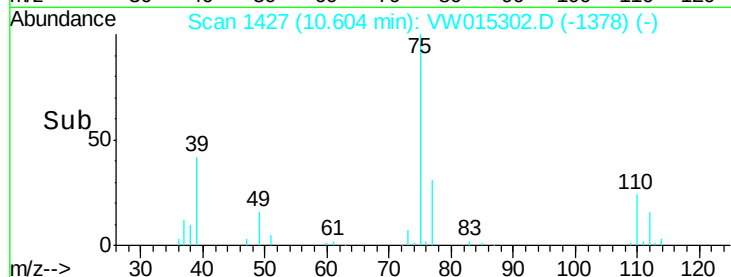
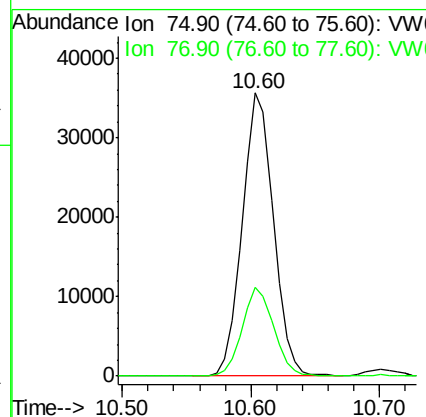
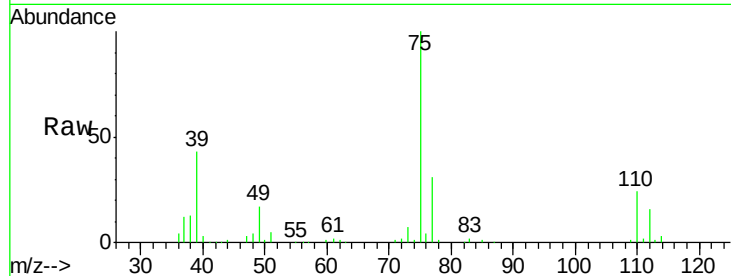
#53  
t-1,3-Dichloropropene  
Concen: 20.642 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.4  | 25.5  | 38.3  |

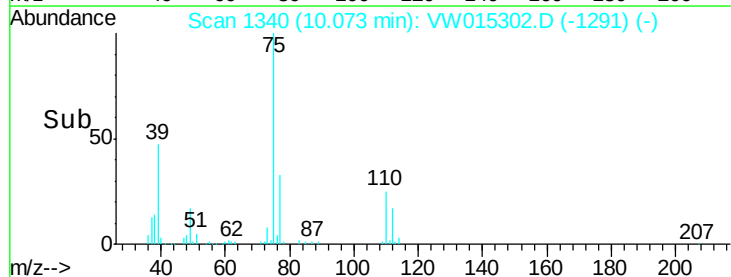
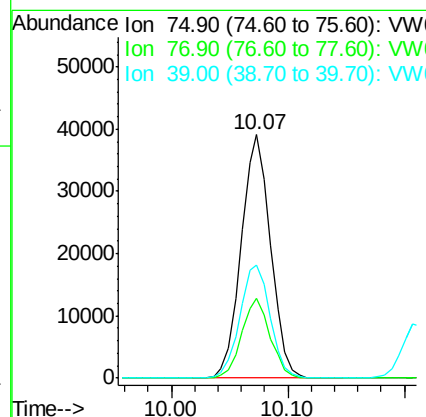
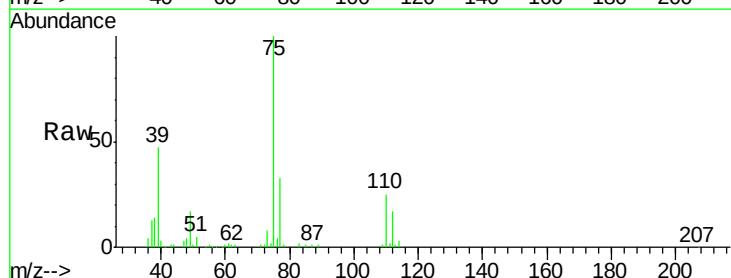
Manual Integrations  
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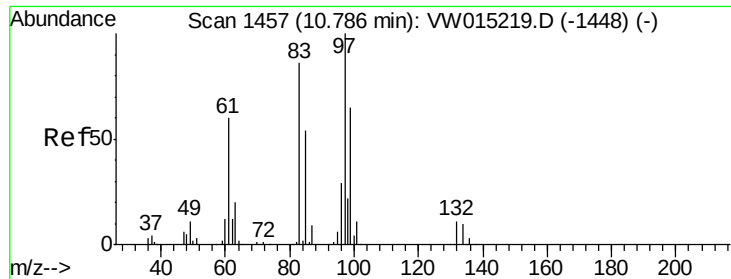


#54  
cis-1,3-Dichloropropene  
Concen: 20.452 ug/l  
RT: 10.07 min Scan# 1340  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.6  | 26.6  | 39.8  |
| 39      | 46.4  | 37.8  | 56.6  |







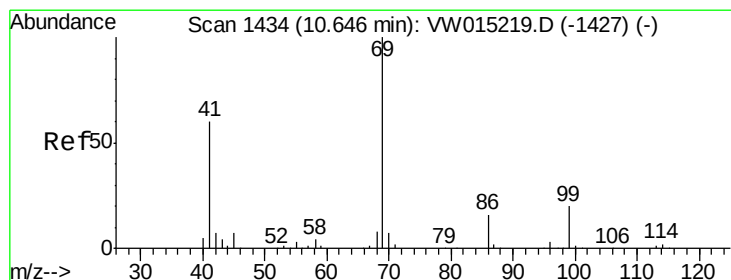
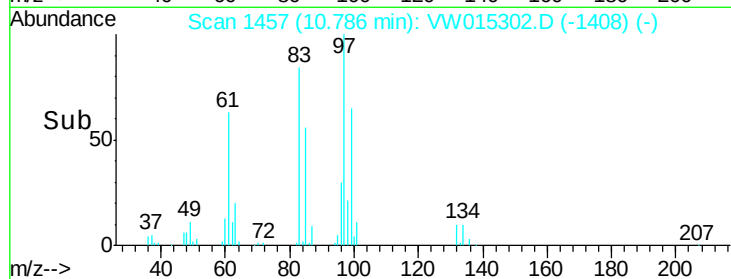
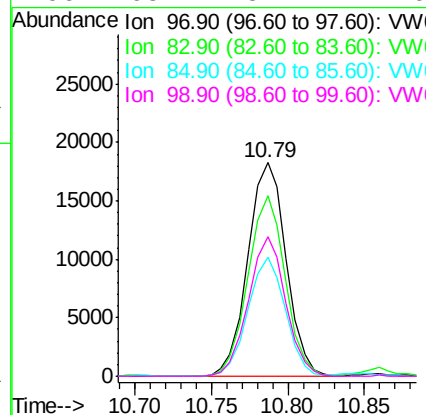
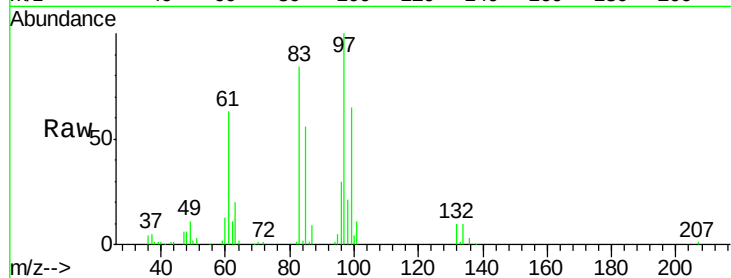
#55  
 1,1,2-Trichloroethane  
 Concen: 20.689 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 31755 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.5  | 67.3  | 100.9 |
| 85       | 55.9  | 43.8  | 65.8  |
| 99       | 65.4  | 51.4  | 77.0  |

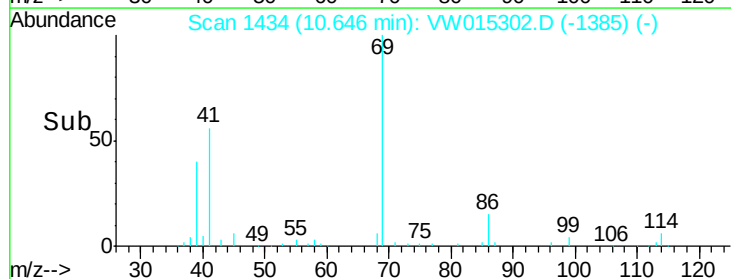
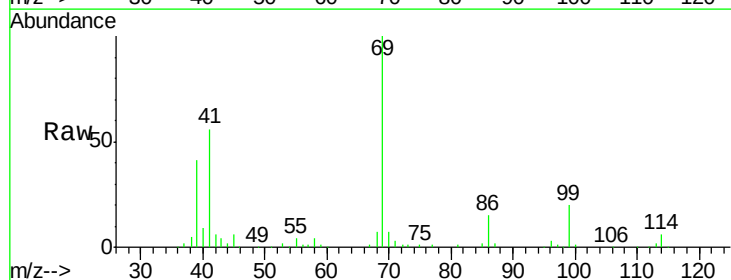
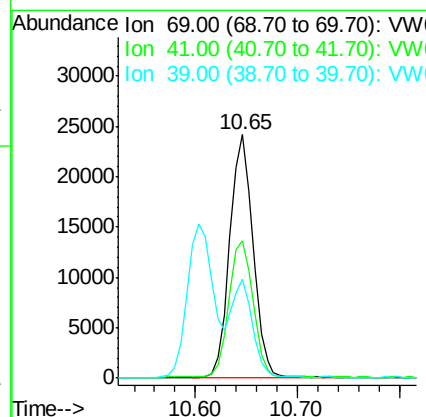
Manual Integrations  
 APPROVED

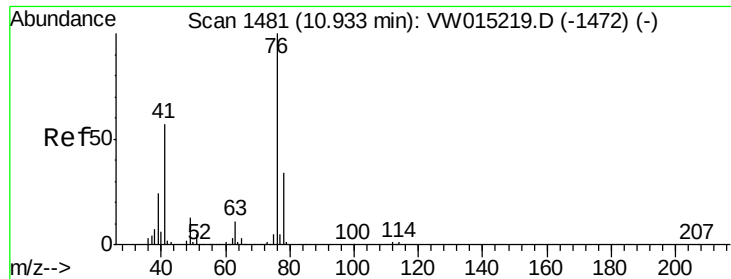
MMDadoda  
 4/23/2020 1:32:55 PM



#56  
 Ethyl methacrylate  
 Concen: 19.531 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 38619 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 57.0  | 51.3  | 76.9  |
| 39       | 36.6  | 24.6  | 37.0  |





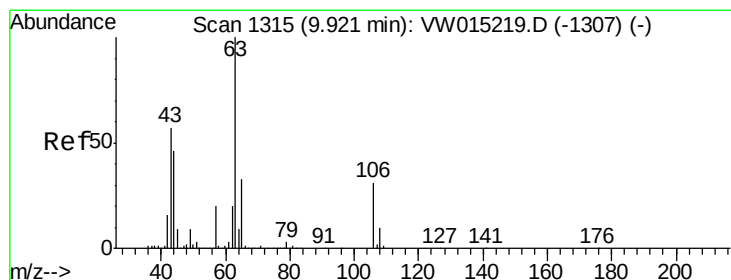
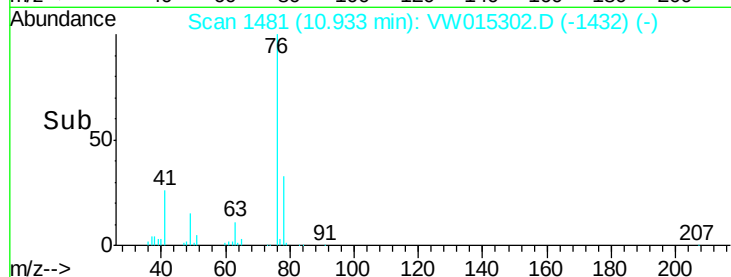
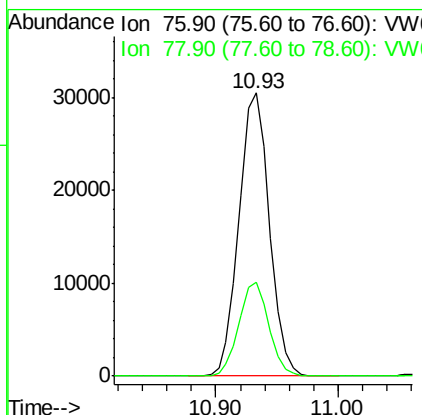
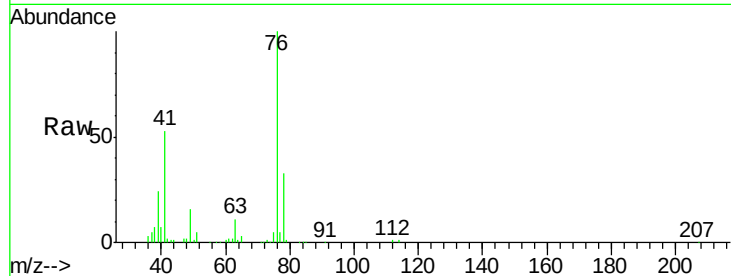
#57  
 1,3-Dichloropropane  
 Concen: 20.727 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBSD01

Tot Ion: 76 Resp: 52699  
 Ion Ratio Lower Upper  
 76 100  
 78 32.7 26.2 39.4

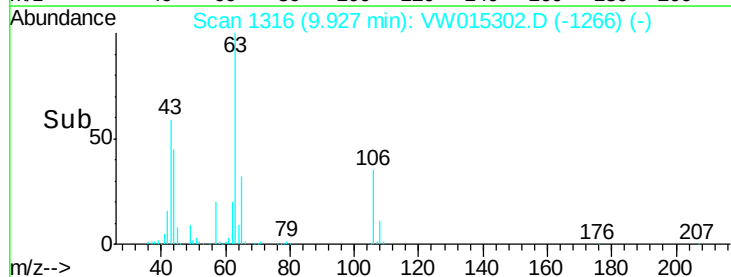
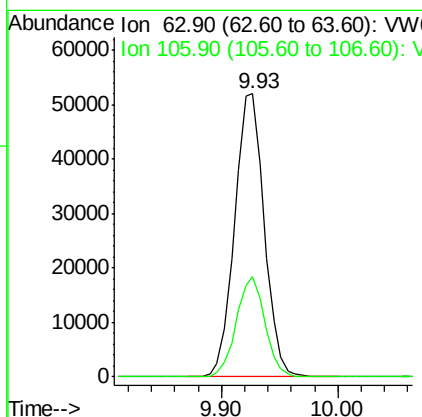
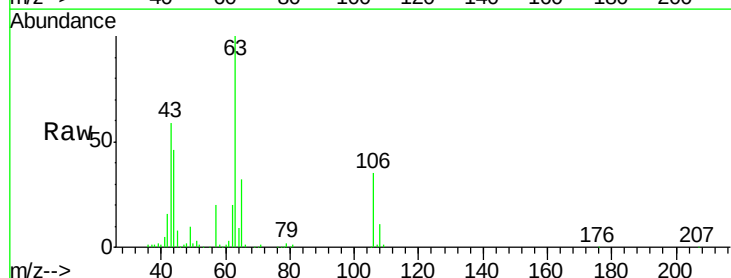
Manual Integrations  
 APPROVED

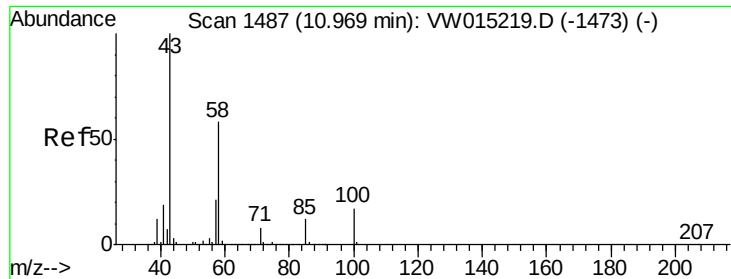
MMDadoda  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 100.550 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.01 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Tgt Ion: 63 Resp: 92174  
 Ion Ratio Lower Upper  
 63 100  
 106 34.3 22.6 33.8#





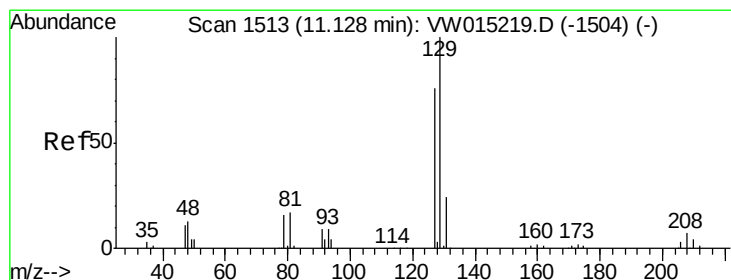
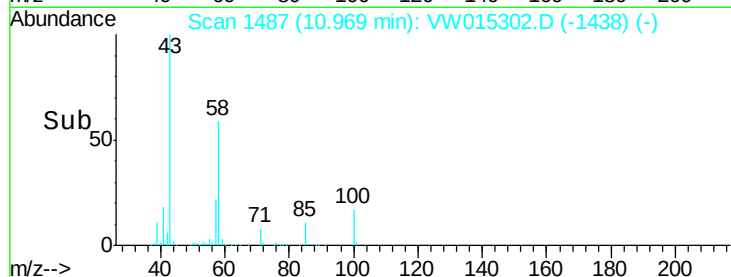
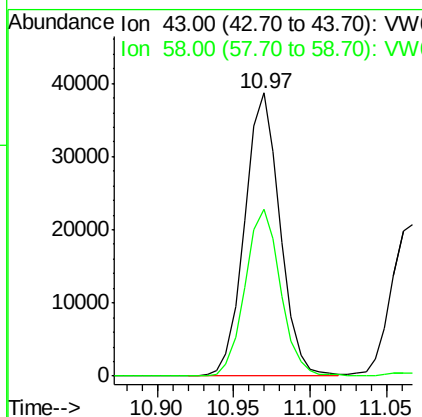
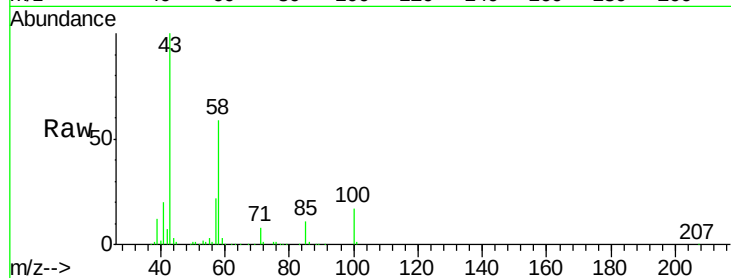
#59  
2-Hexanone  
Concen: 88.693 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

Tot Ion: 43 Resp: 61709  
Ion Ratio Lower Upper  
43 100  
58 59.7 28.1 84.3

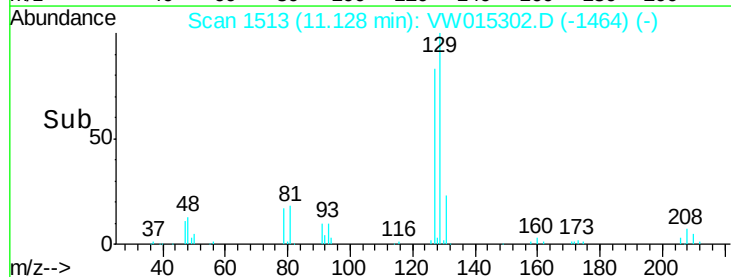
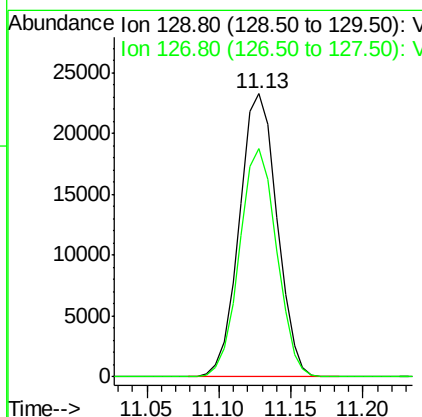
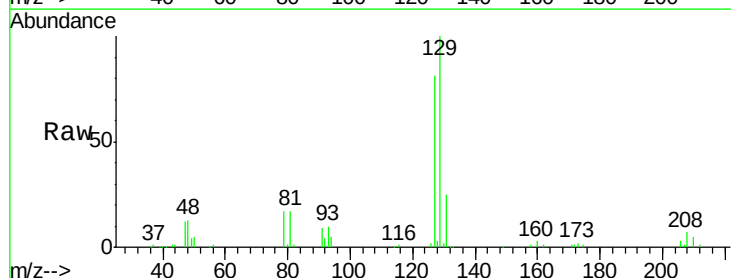
Manual Integrations  
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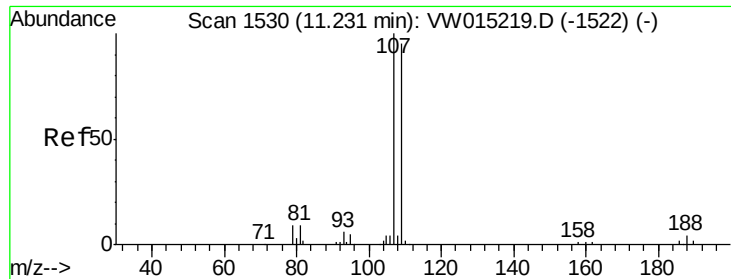
MMDadoda  
4/23/2020 1:32:55 PM



#60  
Dibromochloromethane  
Concen: 20.777 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Tgt Ion: 129 Resp: 42106  
Ion Ratio Lower Upper  
129 100  
127 79.6 38.3 114.8





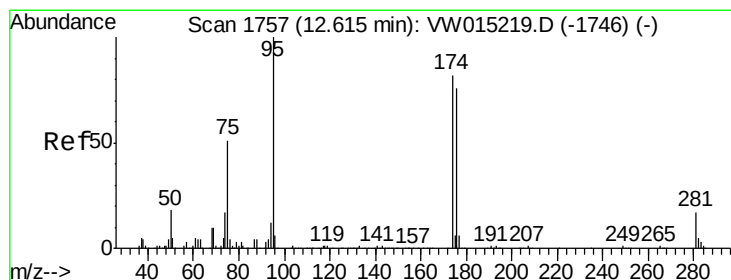
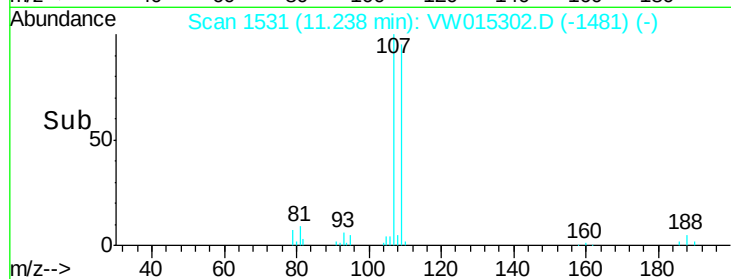
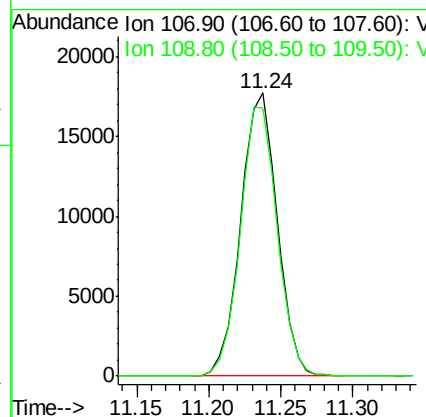
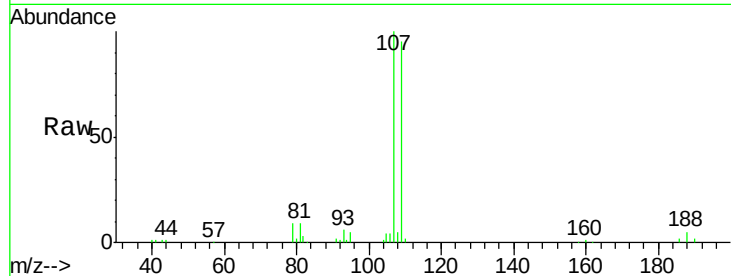
#61  
 1,2-Dibromoethane  
 Concen: 20.780 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.01 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 96.4  | 74.3  | 111.5 |

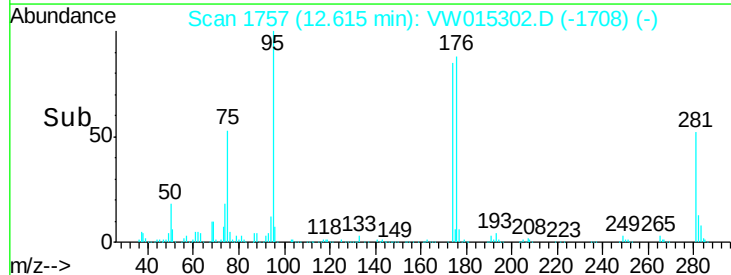
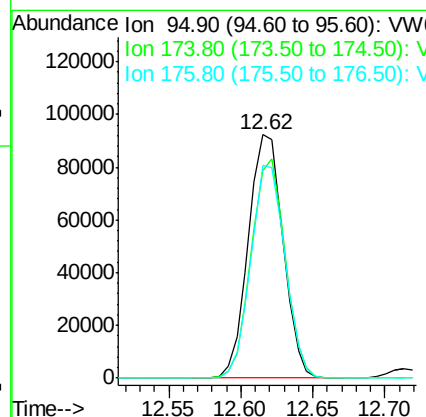
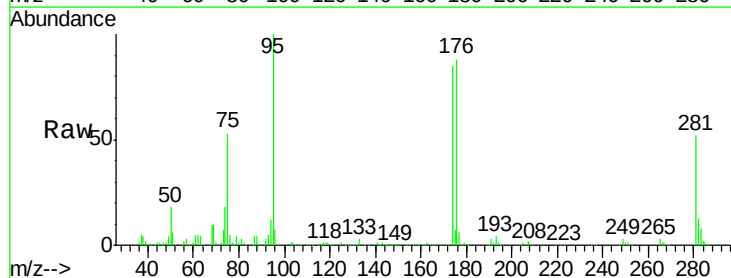
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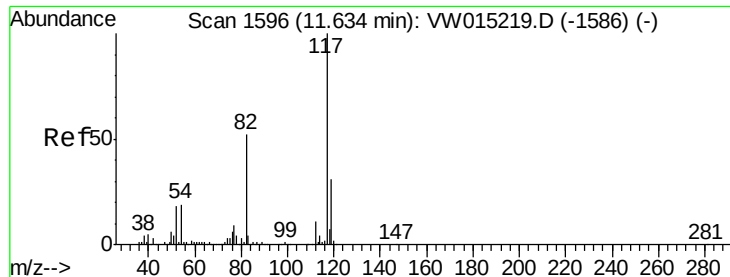
MMDadoda  
 4/23/2020 1:32:55 PM



#62  
 4-Bromofluorobenzene  
 Concen: 51.274 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 87.7  | 0.0   | 144.4 |
| 176     | 86.1  | 0.0   | 140.6 |





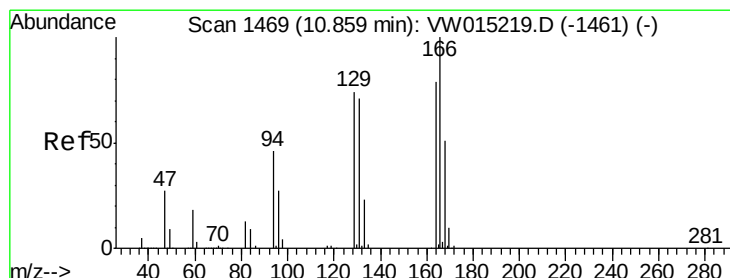
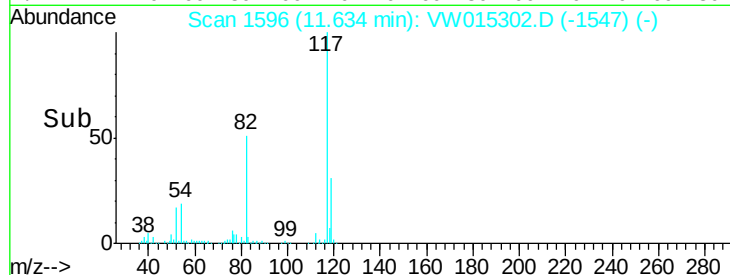
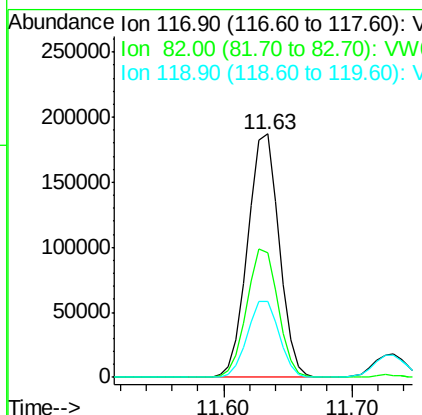
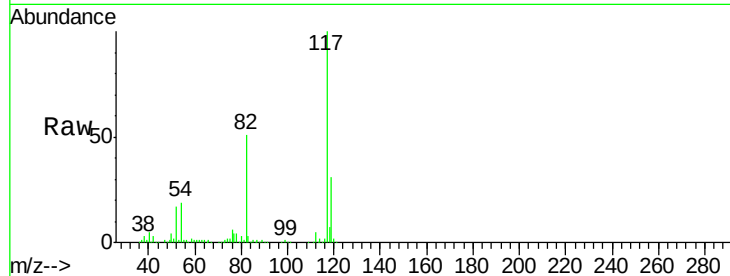
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.3  | 44.1  | 66.1  |
| 119     | 31.0  | 24.9  | 37.3  |

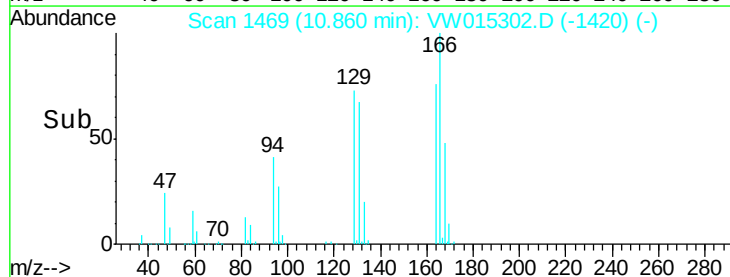
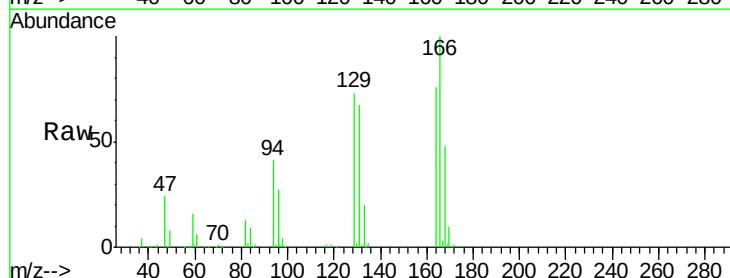
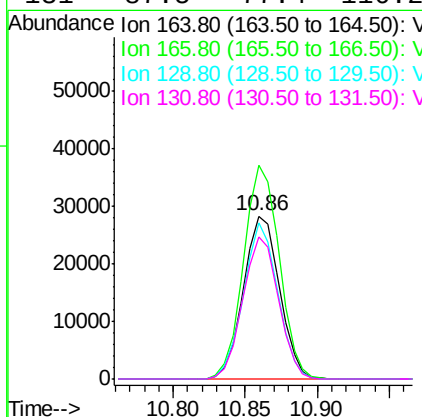
Manual Integrations  
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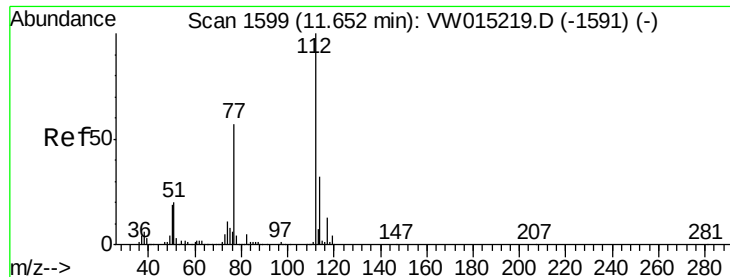
MMDadoda  
4/23/2020 1:32:55 PM



#64  
Tetrachloroethene  
Concen: 21.832 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 131.4 | 102.6 | 154.0 |
| 129     | 95.9  | 80.2  | 120.2 |
| 131     | 87.5  | 77.4  | 116.2 |





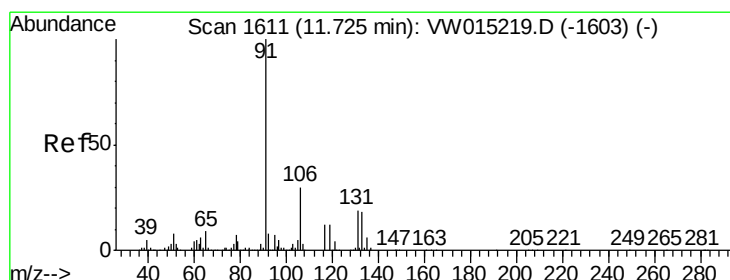
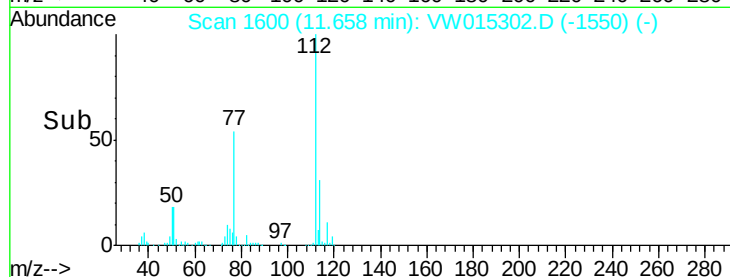
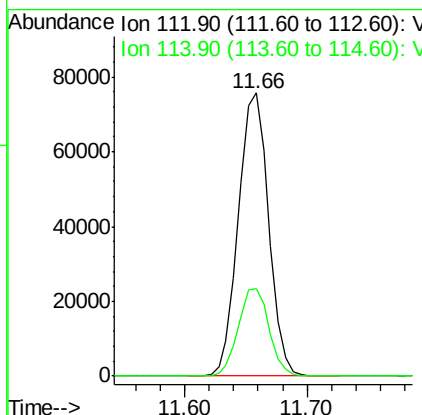
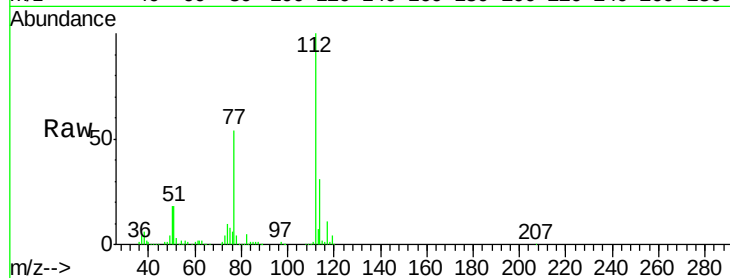
#65  
Chlorobenzene  
Concen: 21.083 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.01 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.0  | 25.8  | 38.6  |

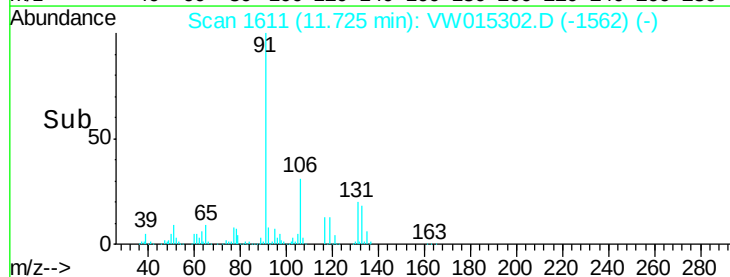
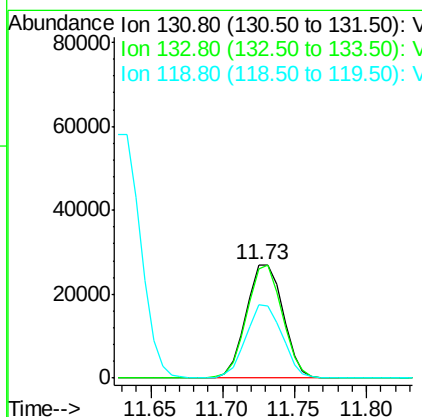
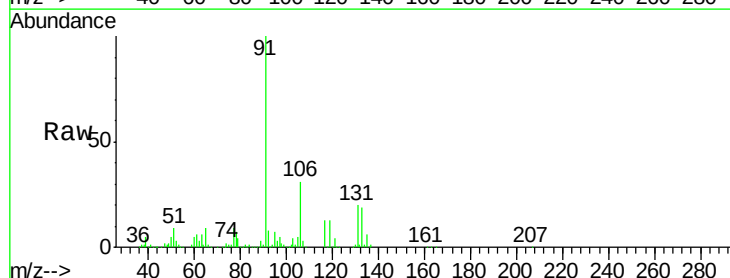
Manual Integrations  
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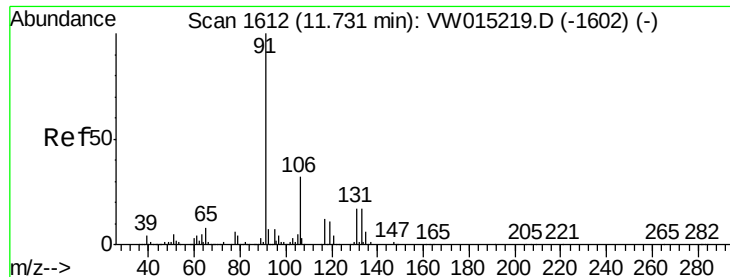
MMDadoda  
4/23/2020 1:32:55 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.705 ug/l  
RT: 11.73 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.1  | 47.7  | 143.1 |
| 119     | 63.6  | 34.0  | 101.8 |





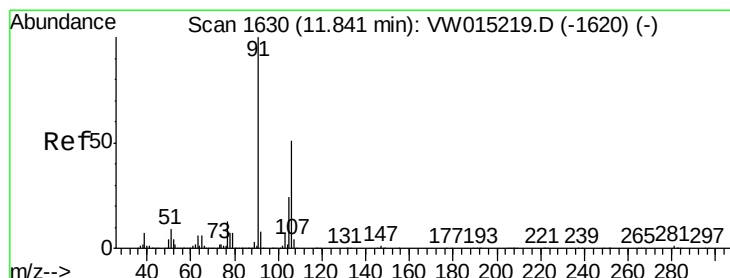
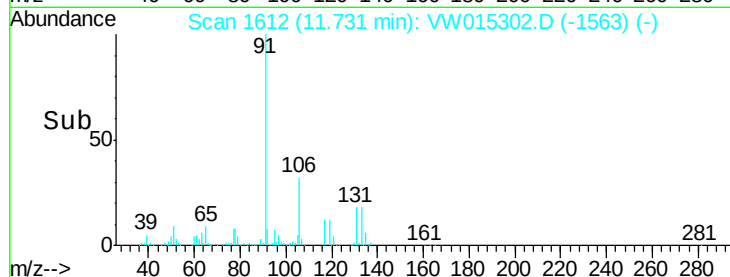
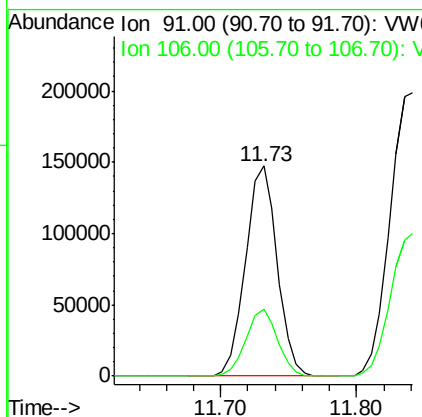
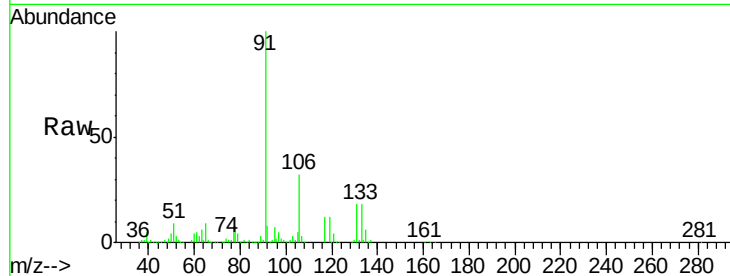
#67  
Ethyl Benzene  
Concen: 20.892 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 31.9  | 25.7  | 38.5  |

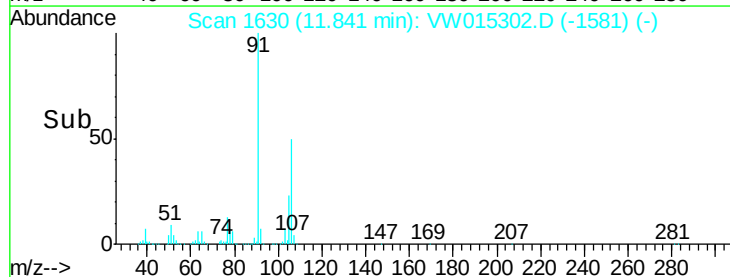
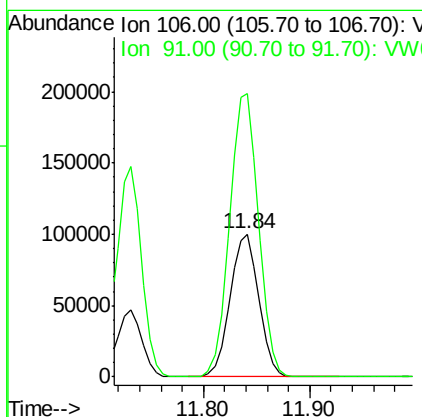
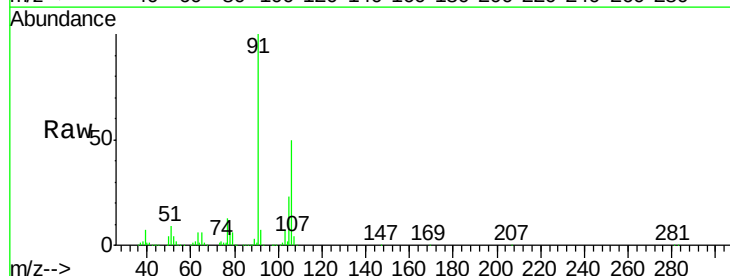
Manual Integrations  
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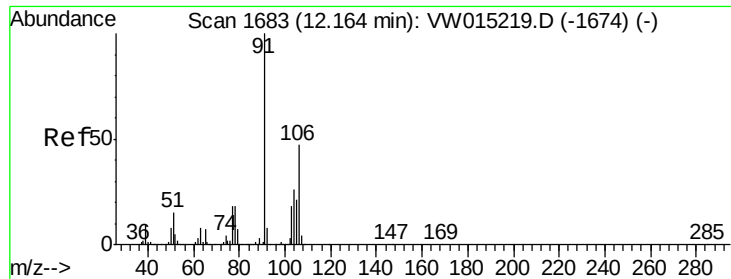
MMDadoda  
4/23/2020 1:32:55 PM



#68  
m/p-Xylenes  
Concen: 41.821 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 199.8 | 160.0 | 240.0 |





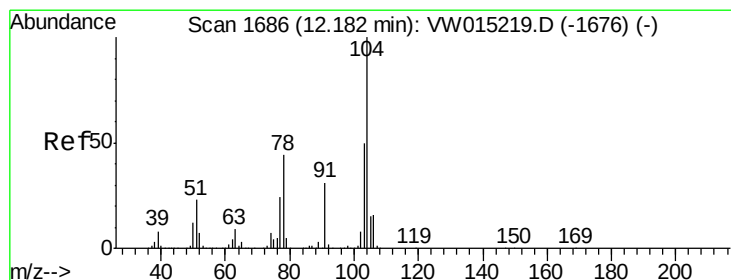
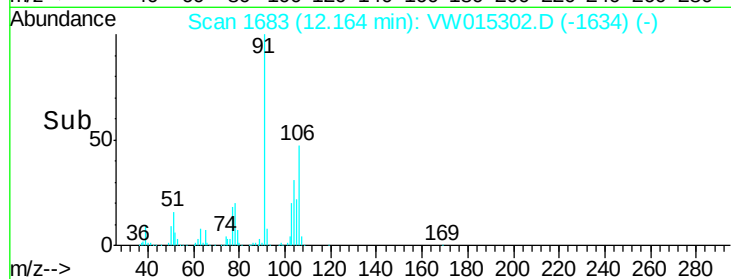
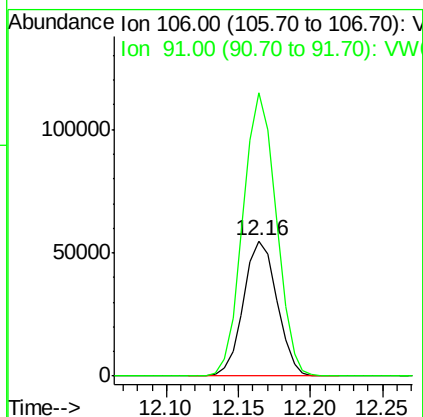
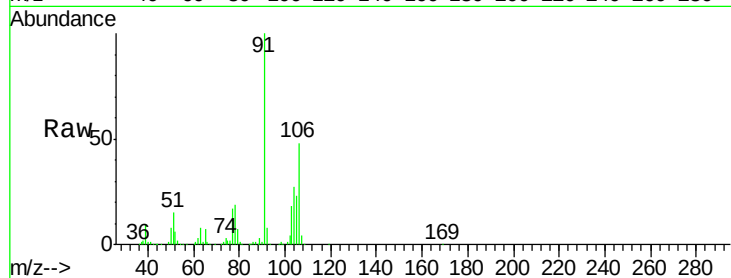
#69  
o-Xylene  
Concen: 21.051 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 208.3 | 105.7 | 317.1 |       |

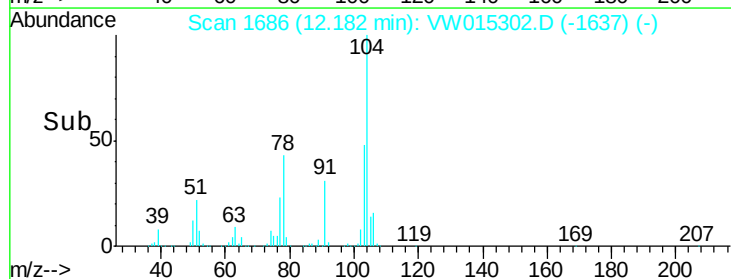
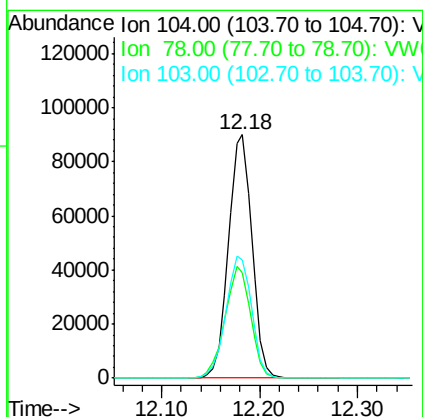
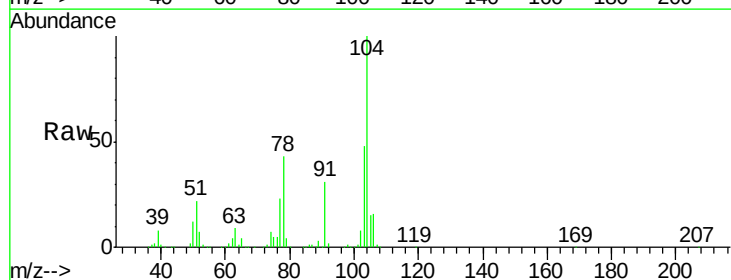
Manual Integrations  
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4/23/2020 1:32:55 PM

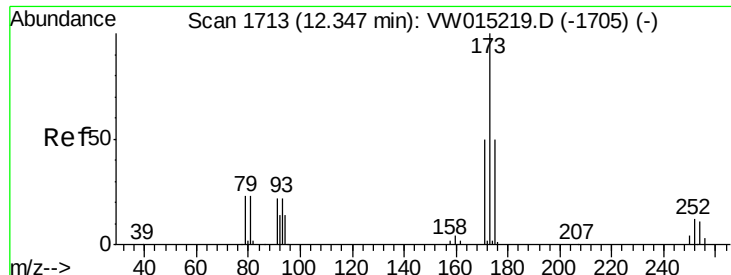


#70  
Styrene  
Concen: 20.929 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 49.5 | 39.8  | 59.6  |       |
| 103     | 54.6 | 43.8  | 65.6  |       |







#71

Bromoform

Concen: 19.950 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

ClientSampleId :

VW0422SBS01

Tot Ion:173 Resp: 24900

Ion Ratio Lower Upper

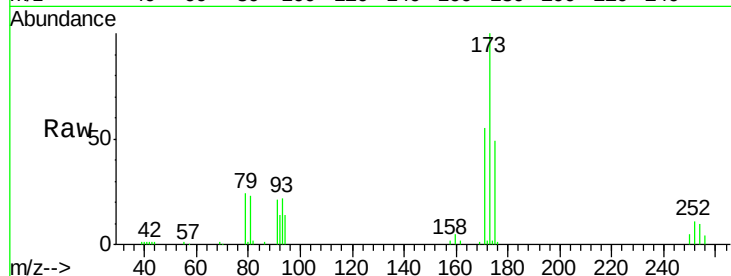
173 100

175 50.1 25.1 75.4

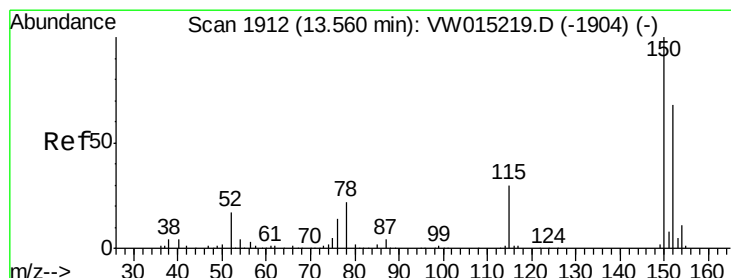
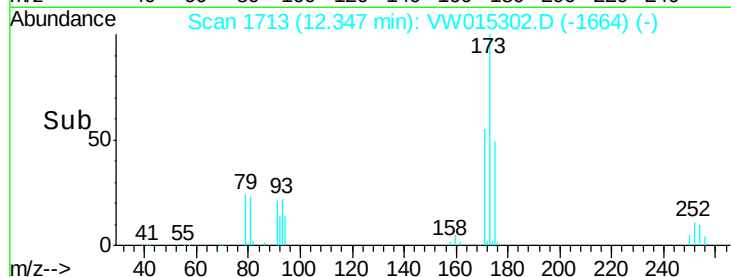
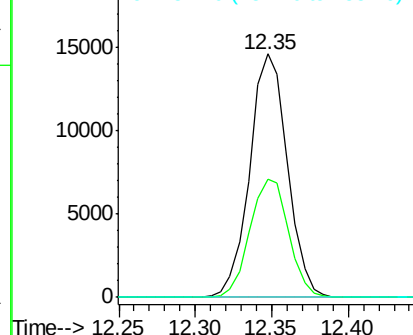
254 0.0 0.1 0.1#

Manual Integrations  
APPROVED

MMDadoda  
4/23/2020 1:32:55 PM



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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

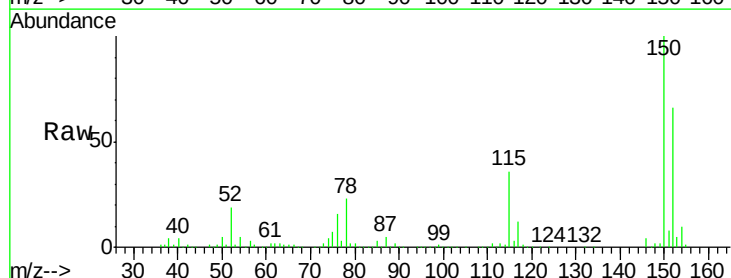
Tgt Ion:152 Resp: 177626

Ion Ratio Lower Upper

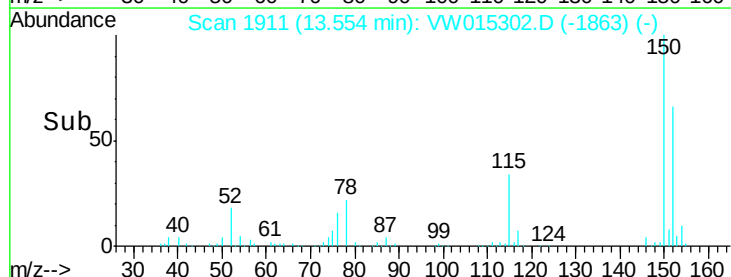
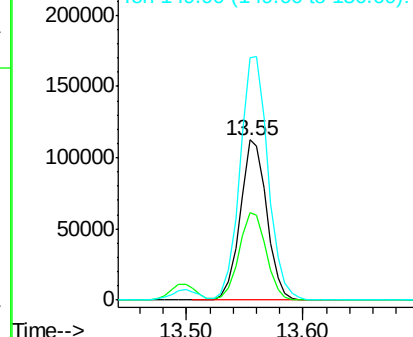
152 100

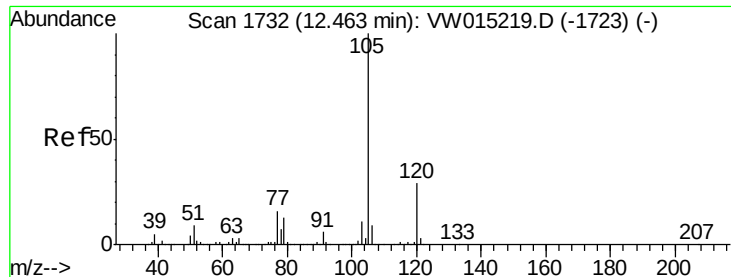
115 56.0 31.3 93.9

150 161.9 0.0 343.4



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





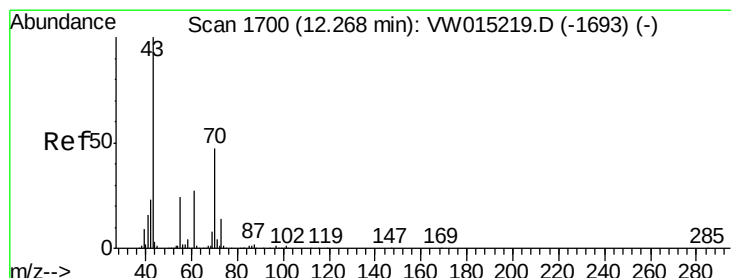
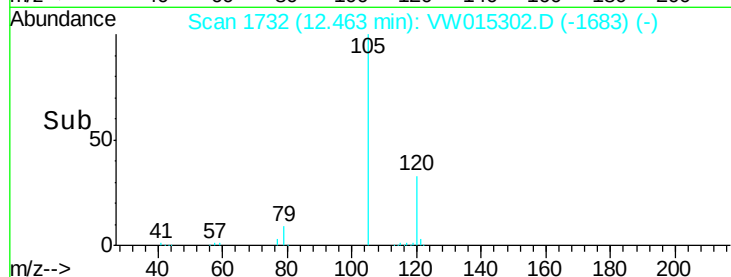
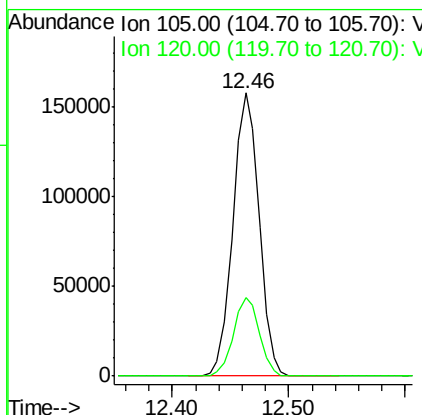
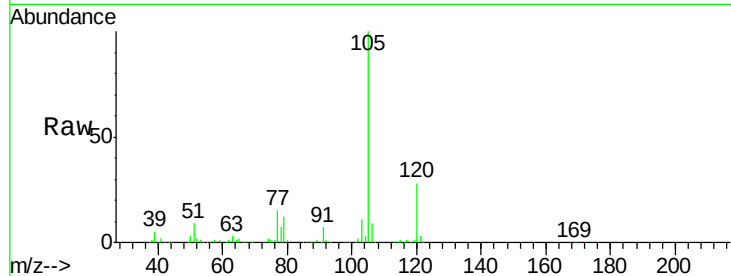
#73  
Isopropylbenzene  
Concen: 20.063 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.5  | 13.7  | 41.1  |

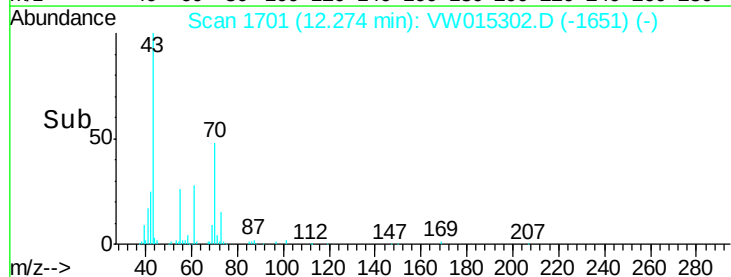
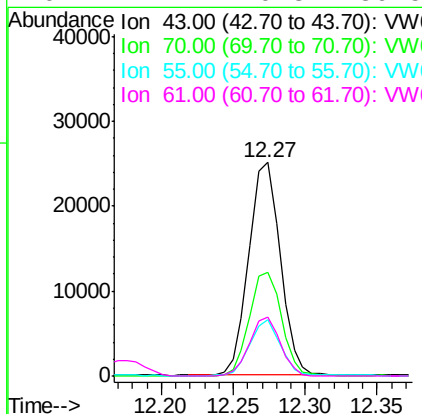
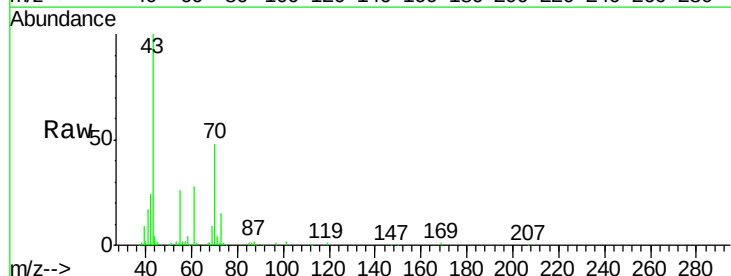
Manual Integrations  
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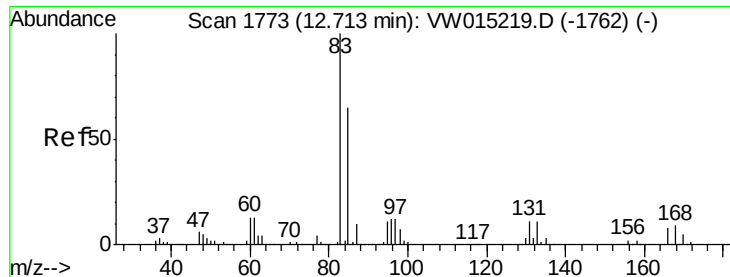
MMDadoda  
4/23/2020 1:32:55 PM



#74  
N-ethyl acetate  
Concen: 17.753 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. 0.01 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 50.3  | 35.4  | 53.2  |
| 55      | 26.6  | 18.5  | 27.7  |
| 61      | 27.2  | 20.3  | 30.5  |





#75

1,1,2,2-Tetrachloroethane

Concen: 19.136 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

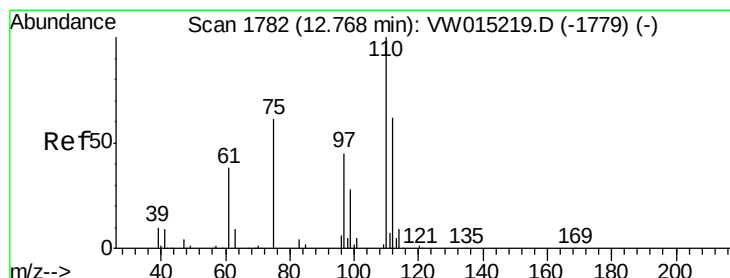
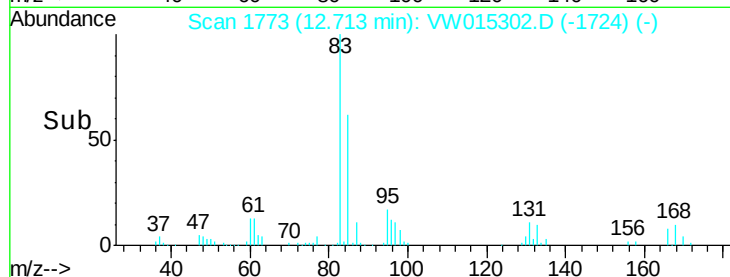
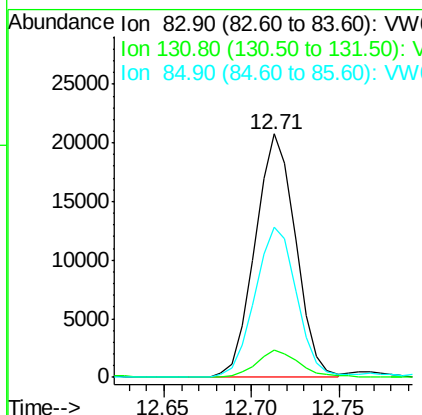
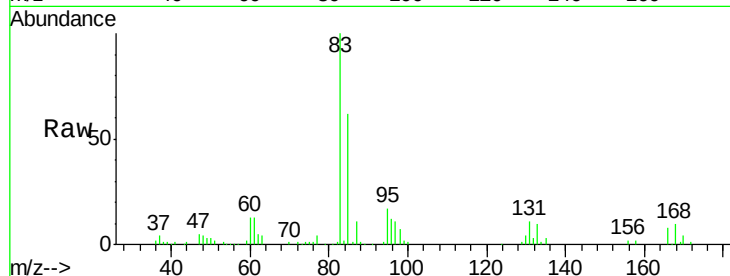
ClientSampleId :

VW0422SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 33461 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.8  | 5.1   | 15.2  |
| 85        | 63.8  | 32.3  | 96.8  |

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4/23/2020 1:32:55 PM



#76

1,2,3-Trichloropropane

Concen: 19.051 ug/l m

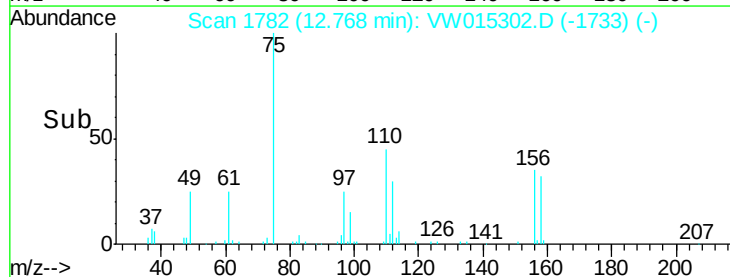
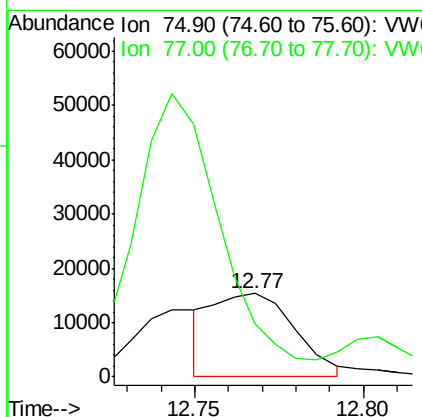
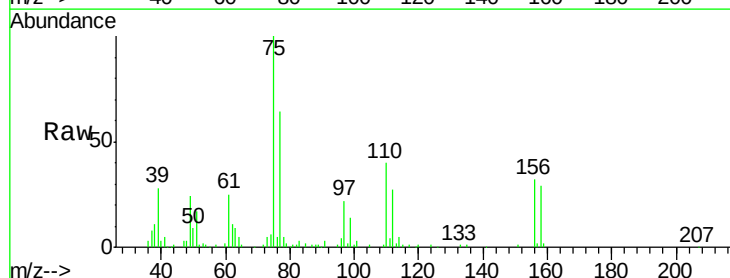
RT: 12.77 min Scan# 1782

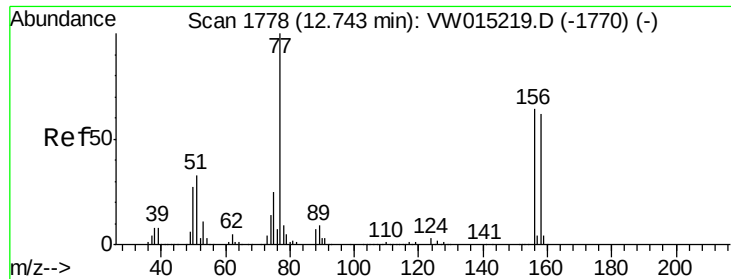
Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 26178 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





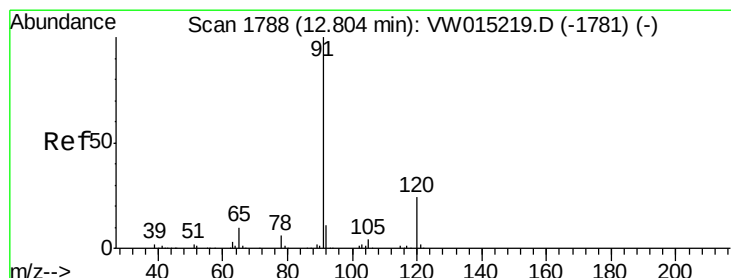
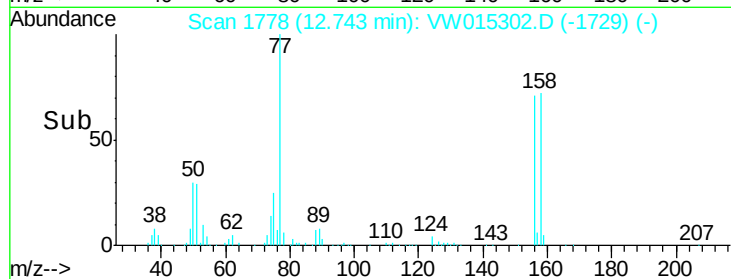
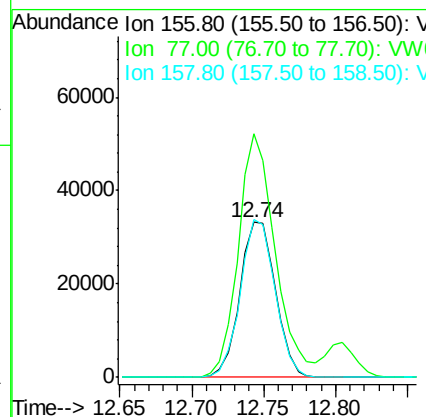
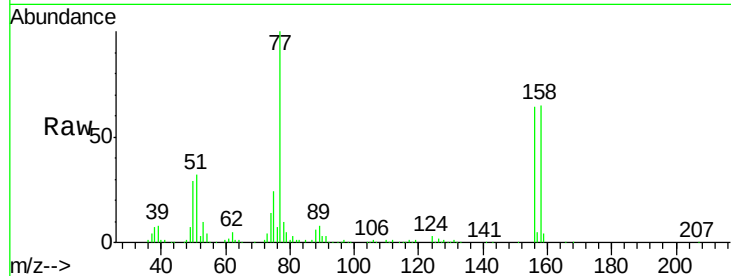
#77  
Bromobenzene  
Concen: 20.219 ug/l  
RT: 12.74 min Scan# 1778  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 163.3 | 100.5 | 301.5 |
| 158     | 98.5  | 47.9  | 143.8 |

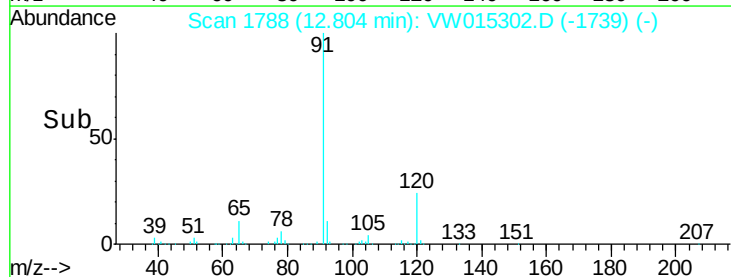
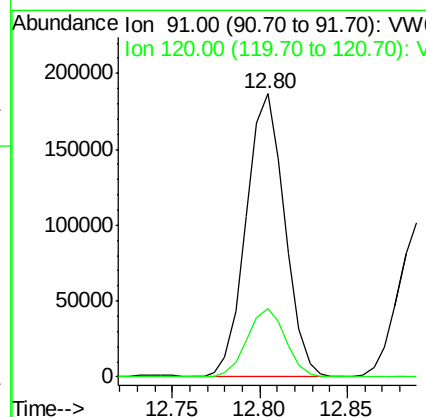
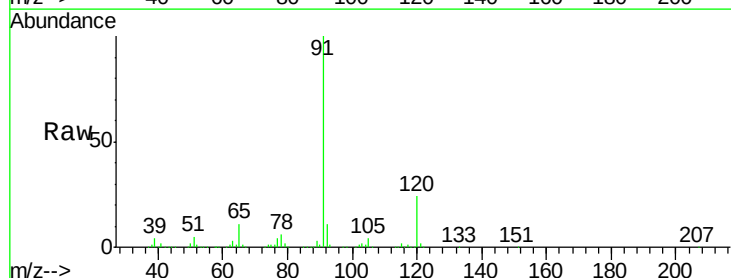
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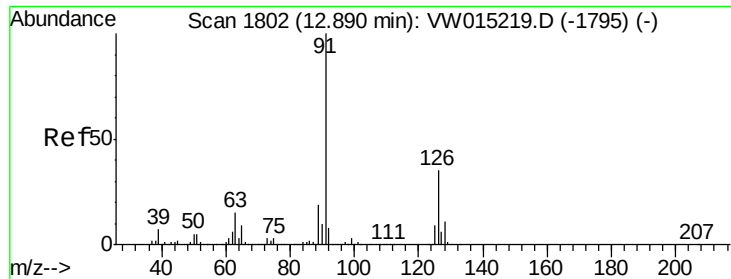
MMDadoda  
4/23/2020 1:32:55 PM



#78  
n-propylbenzene  
Concen: 19.991 ug/l  
RT: 12.80 min Scan# 1788  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.3  | 11.4  | 34.1  |





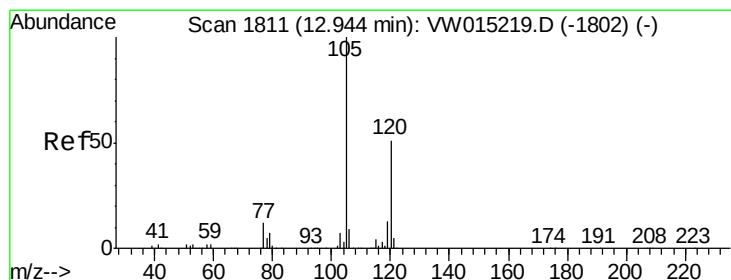
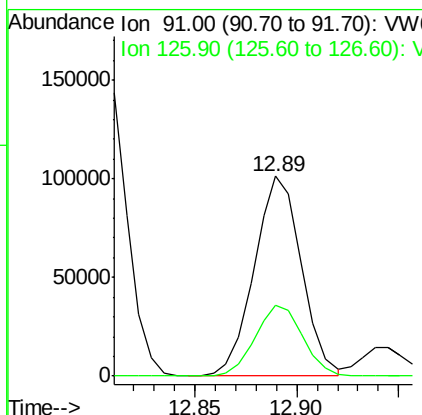
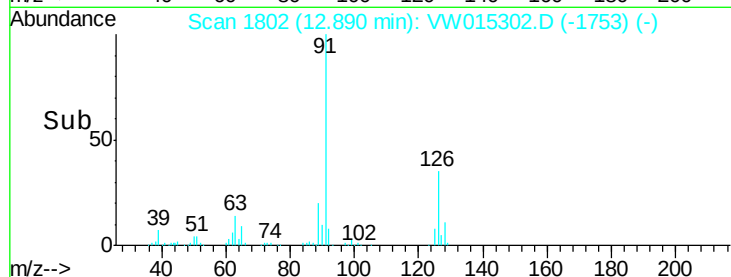
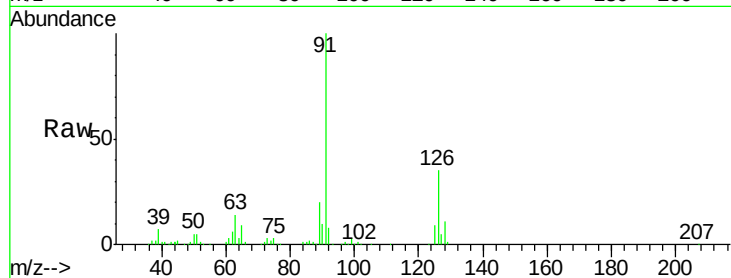
#79  
2-Chlorotoluene  
Concen: 20.137 ug/l  
RT: 12.89 min Scan# 1802  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

Tot Ion: 91 Resp: 162728  
Ion Ratio Lower Upper  
91 100  
126 35.8 16.8 50.4

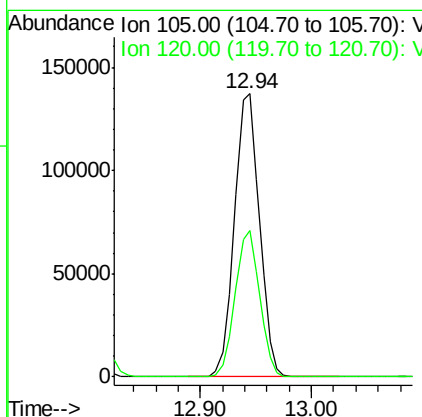
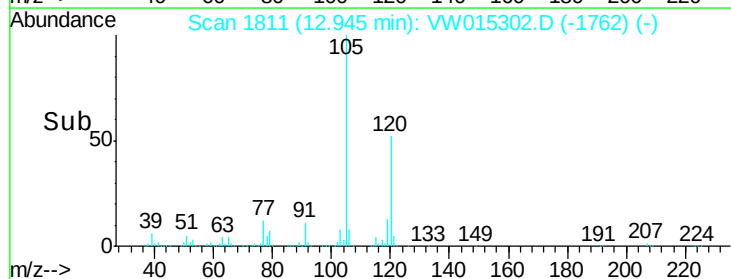
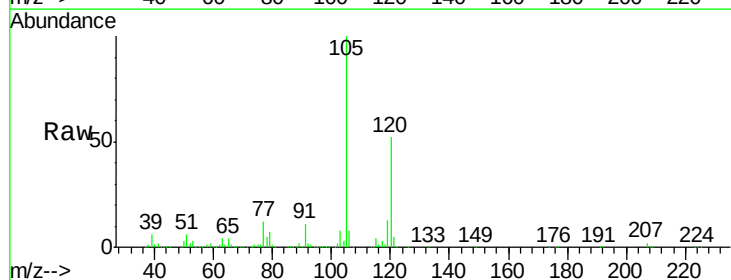
Manual Integrations  
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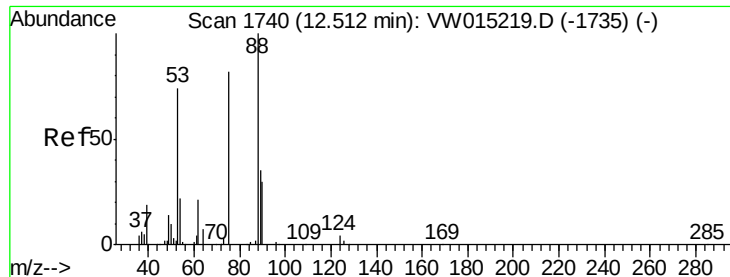
MMDadoda  
4/23/2020 1:32:55 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 20.105 ug/l  
RT: 12.94 min Scan# 1811  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Tgt Ion:105 Resp: 213289  
Ion Ratio Lower Upper  
105 100  
120 50.6 24.9 74.8





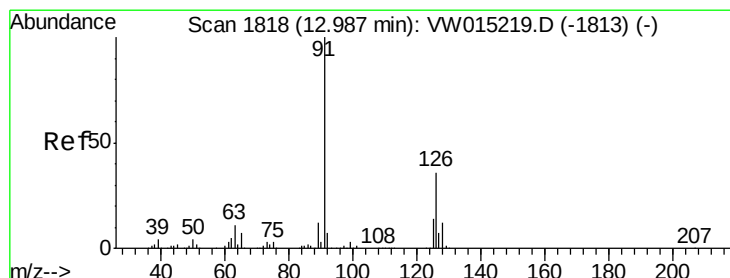
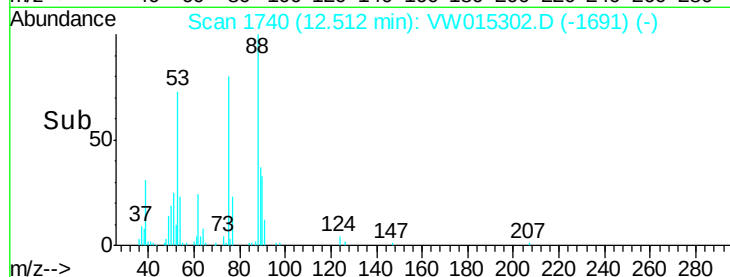
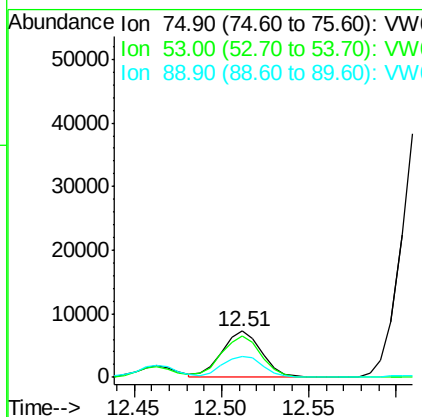
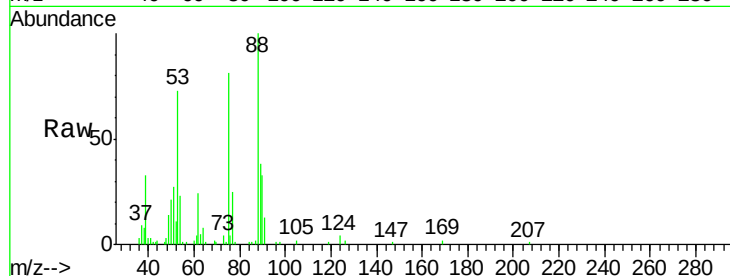
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.295 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 89.7  | 69.4  | 104.2 |
| 89      | 46.5  | 34.8  | 52.2  |

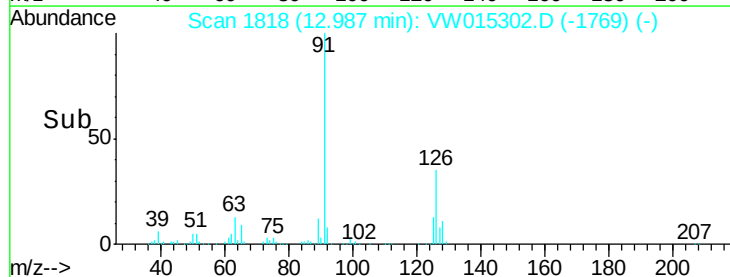
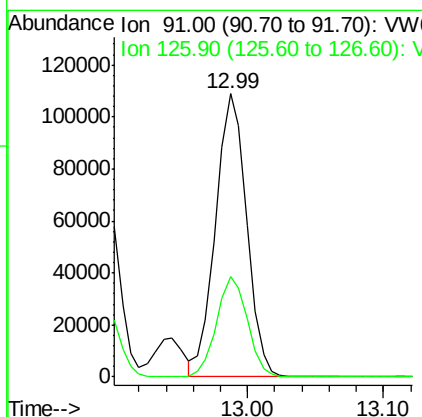
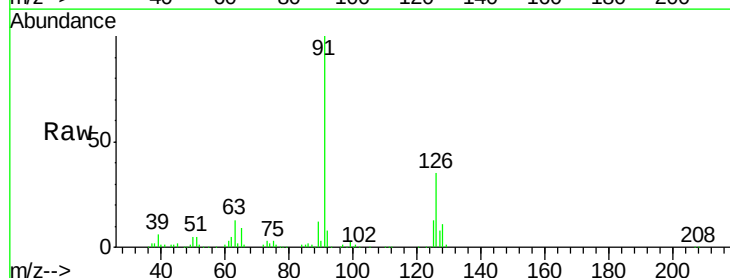
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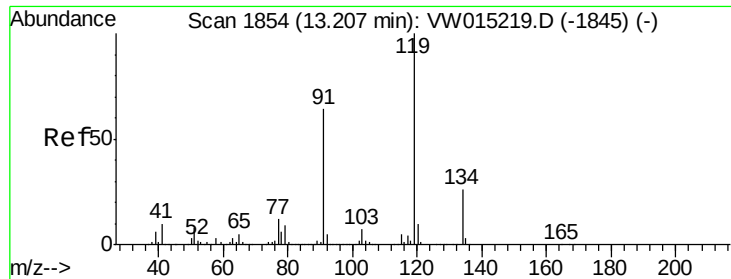
MMDadoda  
4/23/2020 1:32:55 PM



#82  
4-Chlorotoluene  
Concen: 20.067 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.1  | 16.8  | 50.3  |





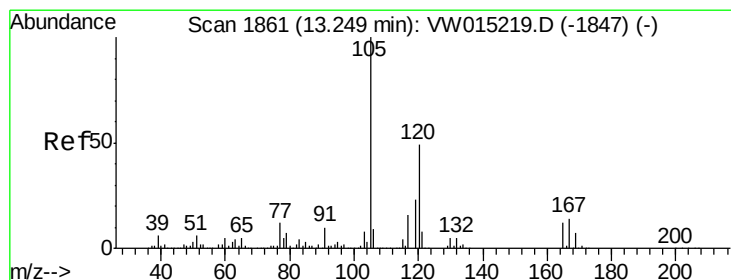
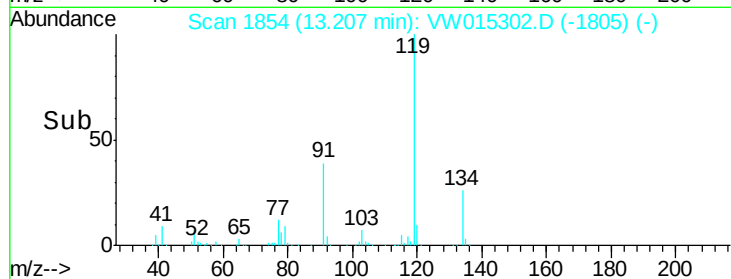
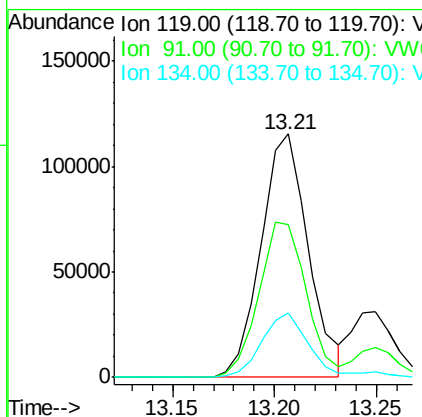
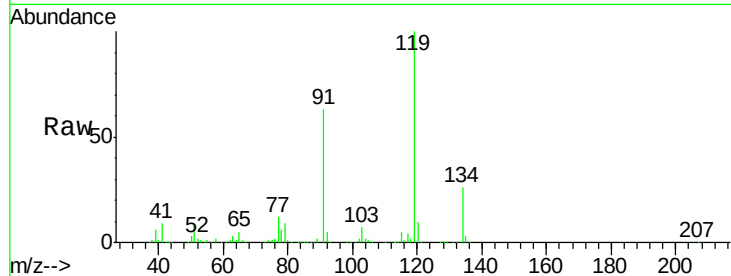
#83  
 tert-Butylbenzene  
 Concen: 20.163 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 186962 |       |       |
| 91      | 64.1  | 32.8   | 98.3  |       |
| 134     | 27.0  | 13.3   | 39.9  |       |

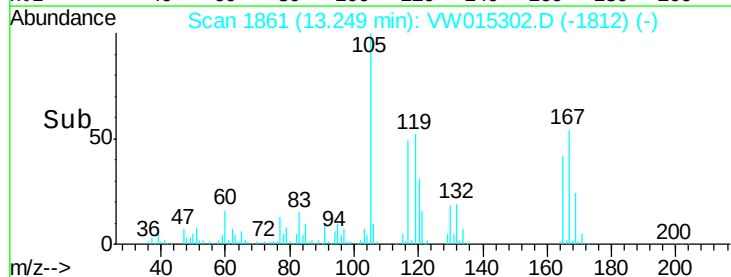
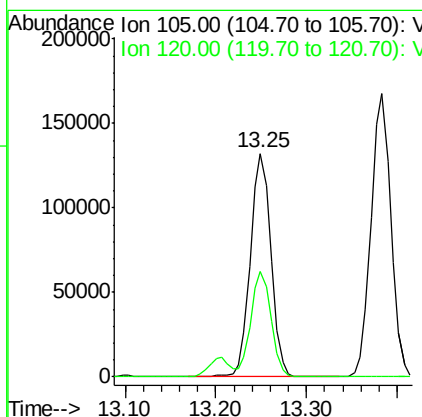
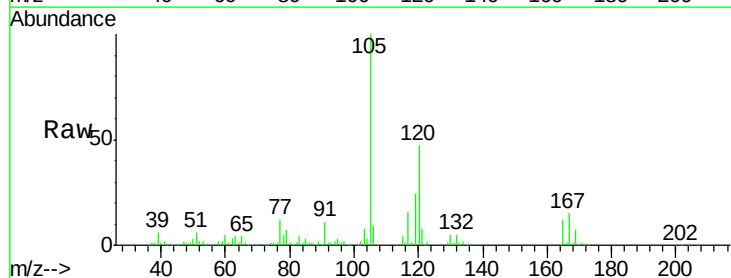
Manual Integrations  
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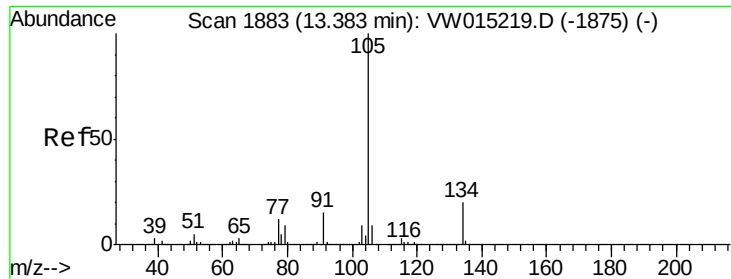
MMDadoda  
 4/23/2020 1:32:55 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.943 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 208680 |       |       |
| 120     | 45.8  | 23.0   | 69.0  |       |





#85

sec-Butylbenzene

Concen: 19.910 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

ClientSampleId :

VW0422SBS01

Tot Ion:105 Resp: 254958

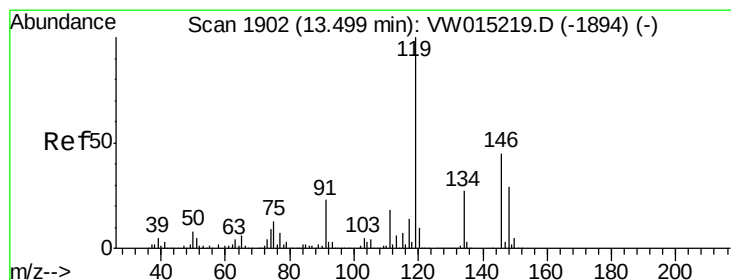
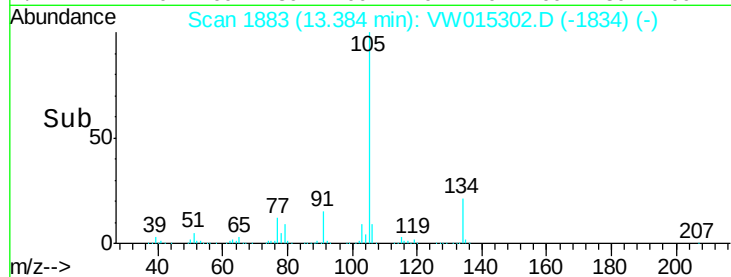
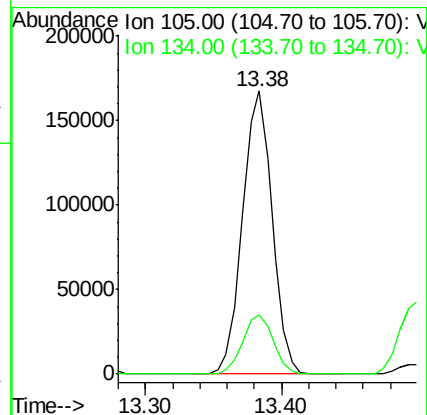
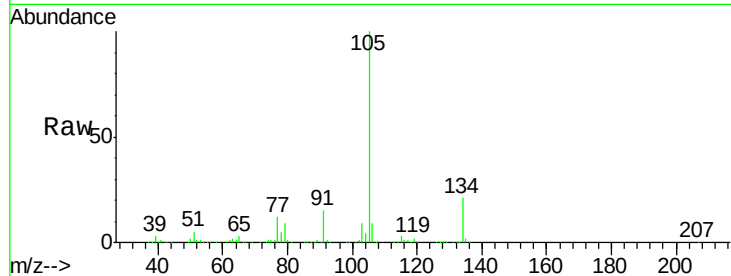
Ion Ratio Lower Upper

105 100

134 21.6 10.1 30.1

Manual Integrations  
APPROVED

MMDadoda  
4/23/2020 1:32:55 PM



#86

p-Isopropyltoluene

Concen: 19.842 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

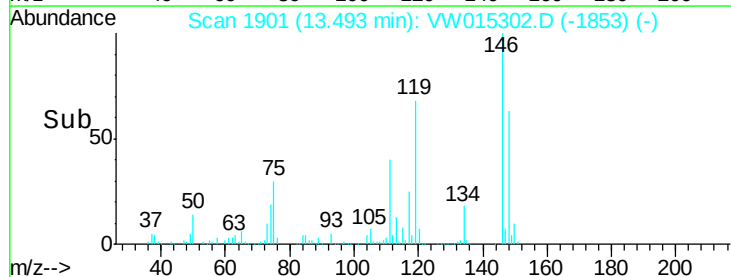
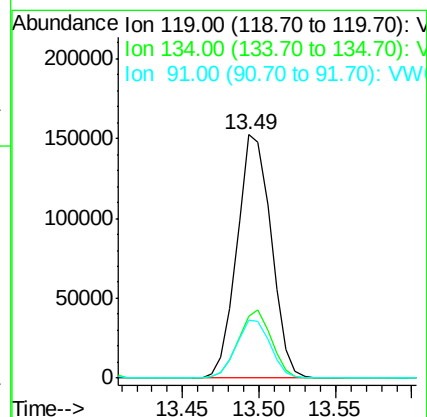
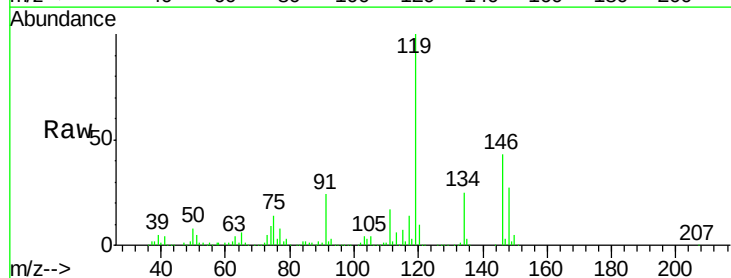
Tgt Ion:119 Resp: 236101

Ion Ratio Lower Upper

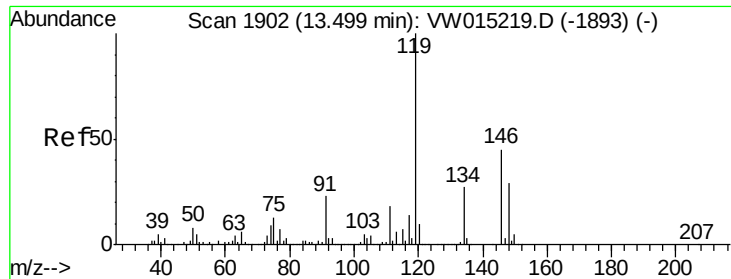
119 100

134 27.2 13.3 39.9

91 23.6 12.0 36.1







#87

1,3-Dichlorobenzene

Concen: 20.799 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

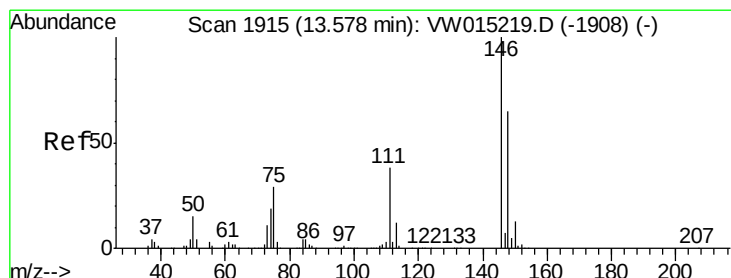
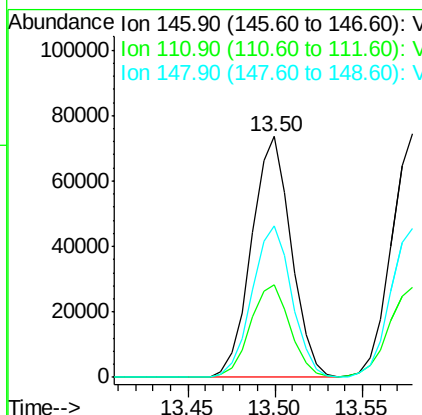
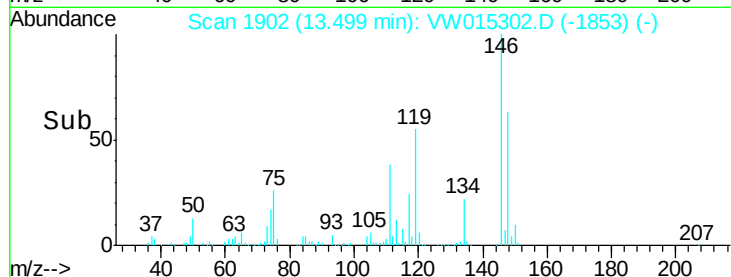
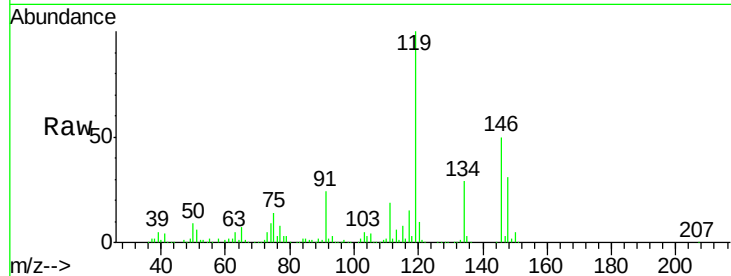
Instrument :  
MSVOA\_W

ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 21.1  | 63.4  |
| 148     | 63.0  | 31.8  | 95.3  |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 20.868 ug/l

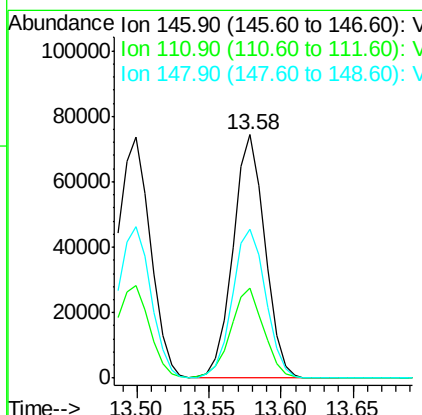
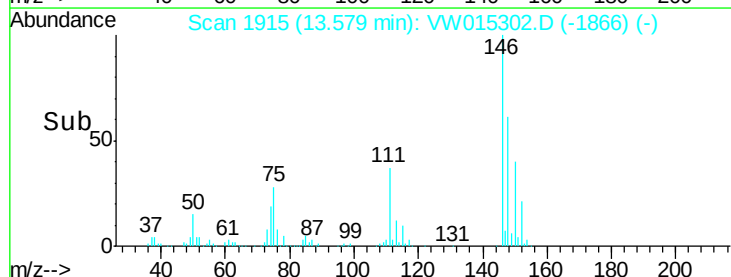
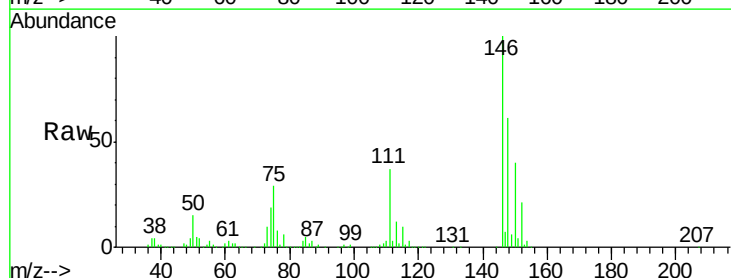
RT: 13.58 min Scan# 1915

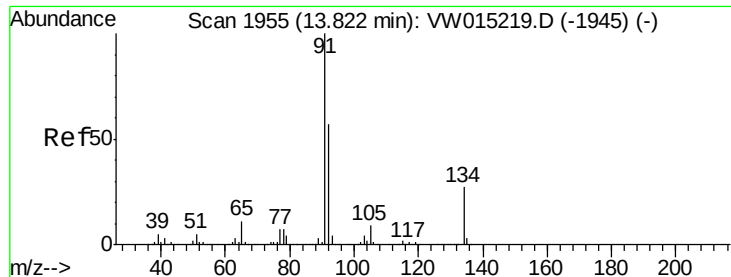
Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 20.4  | 61.3  |
| 148     | 63.9  | 31.5  | 94.5  |





#89

n-Butylbenzene

Concen: 19.828 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA\_W

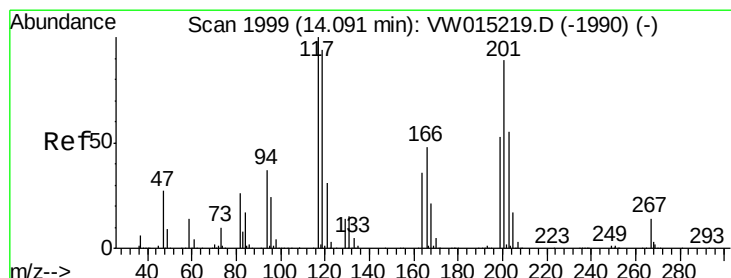
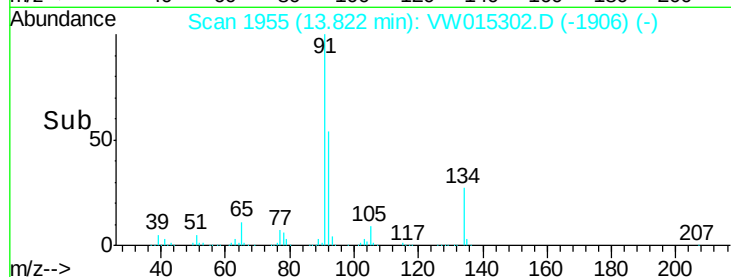
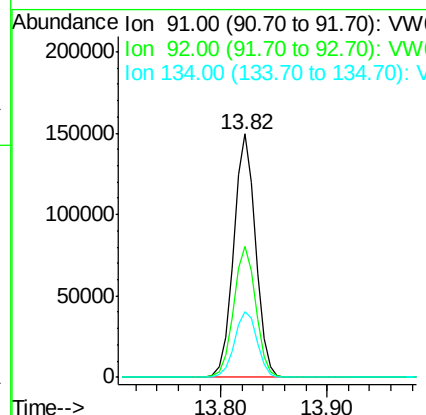
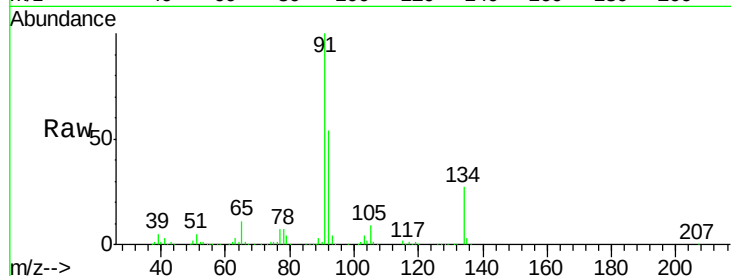
ClientSampleId :

VW0422SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 215652 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 54.5  | 27.6  | 82.7   |
| 134      | 28.0  | 12.8  | 38.3   |

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#90

Hexachloroethane

Concen: 19.814 ug/l

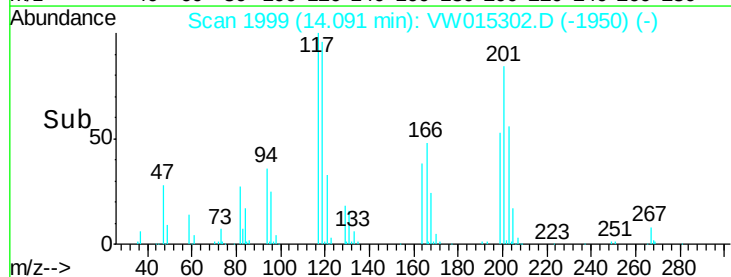
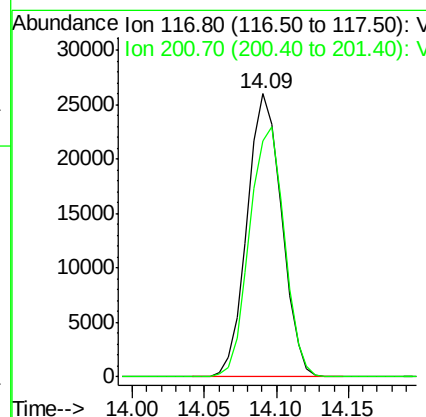
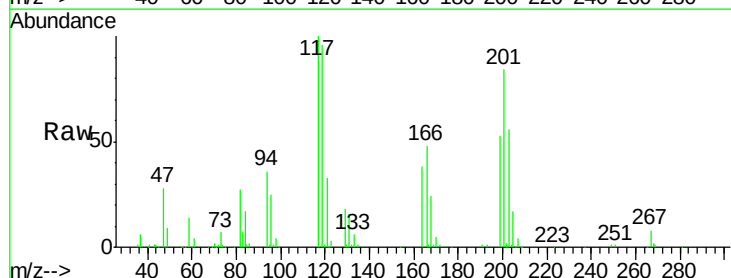
RT: 14.09 min Scan# 1999

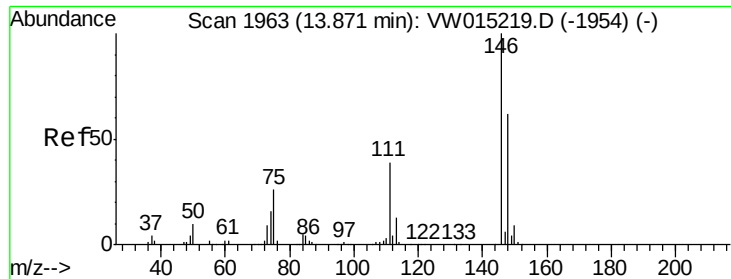
Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 43237 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 88.8  | 33.6  | 100.6 |





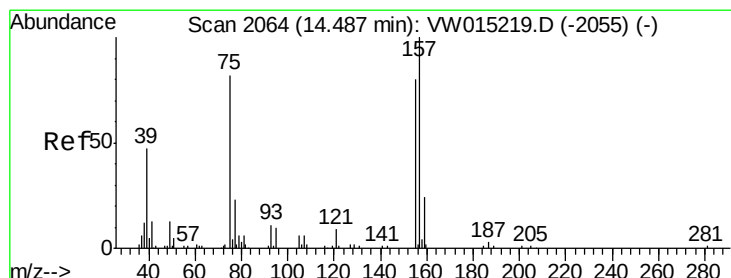
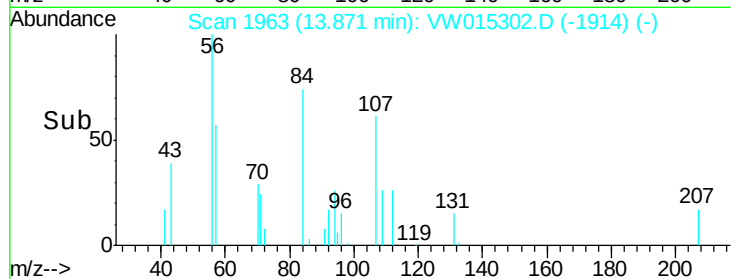
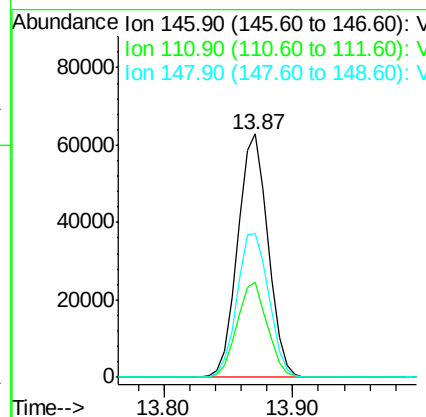
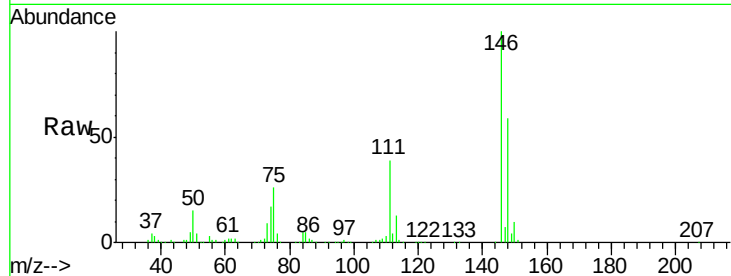
#91  
 1,2-Dichlorobenzene  
 Concen: 21.043 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0422SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 21.6  | 65.0  |
| 148     | 62.0  | 31.0  | 93.0  |

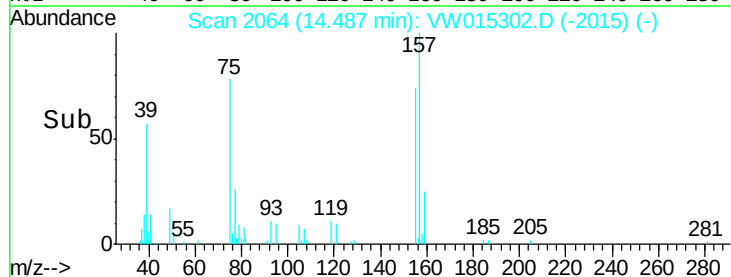
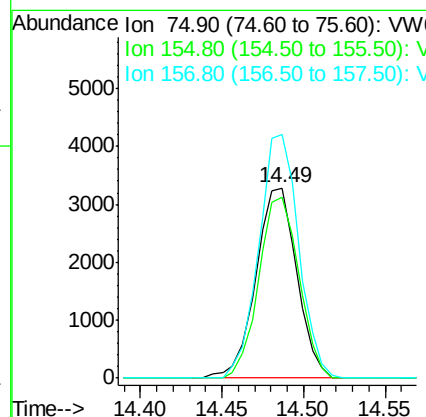
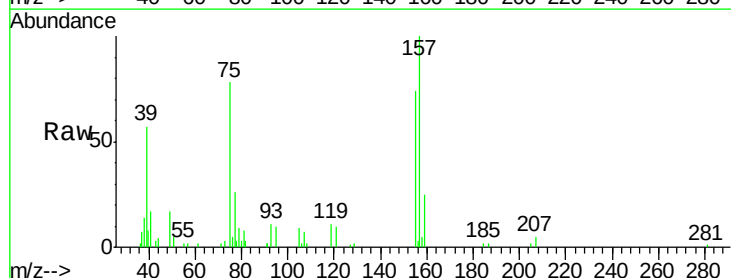
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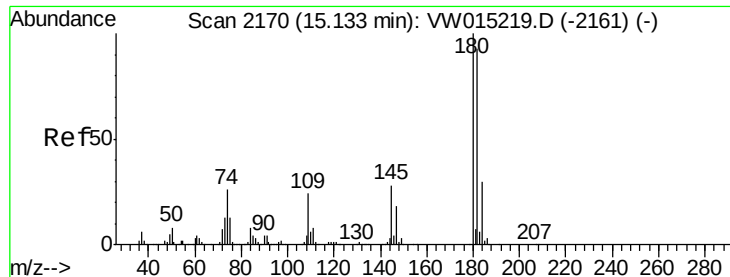
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.004 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VW015302.D  
 Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 93.4  | 41.6  | 124.9 |
| 157     | 125.0 | 53.8  | 161.2 |





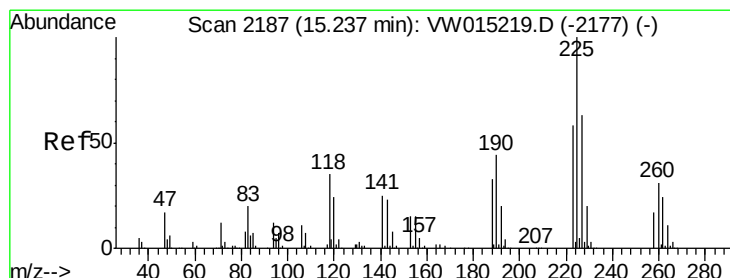
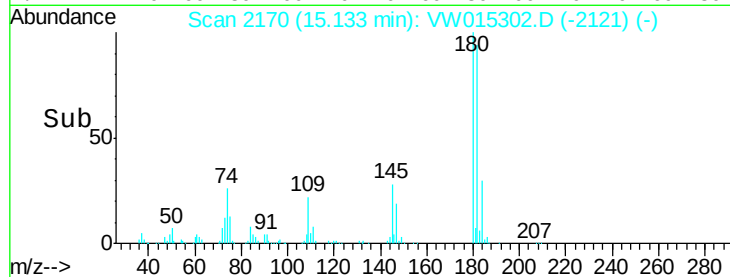
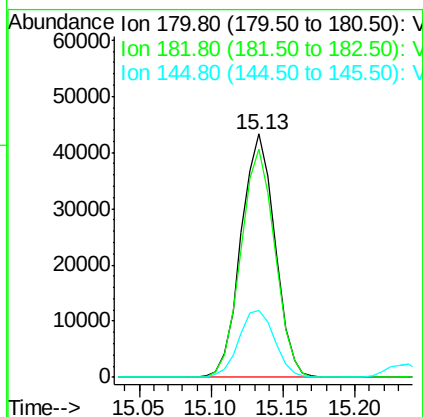
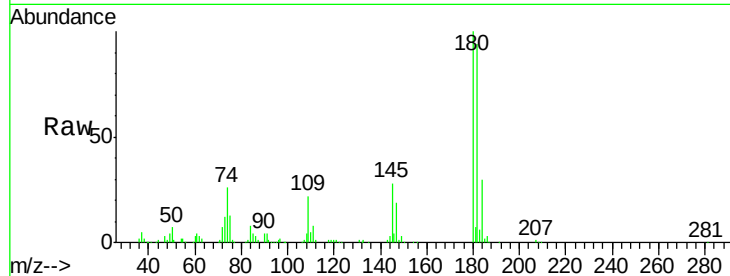
#93  
1,2,4-Trichlorobenzene  
Concen: 20.795 ug/l  
RT: 15.13 min Scan# 2170  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 70613 |       |       |
| 182     | 94.0  |       | 47.1  | 141.4 |
| 145     | 29.0  |       | 16.2  | 48.6  |

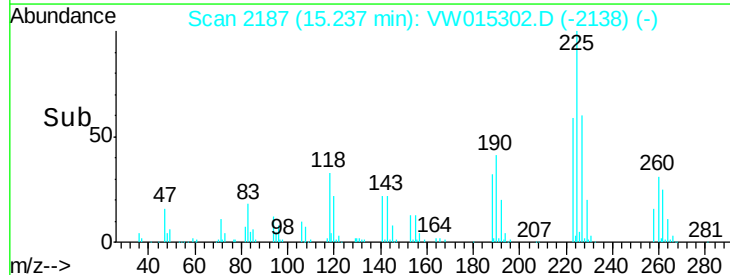
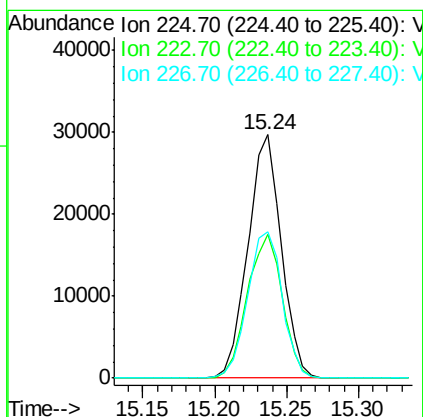
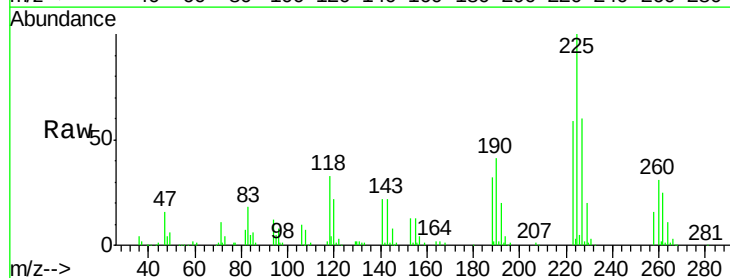
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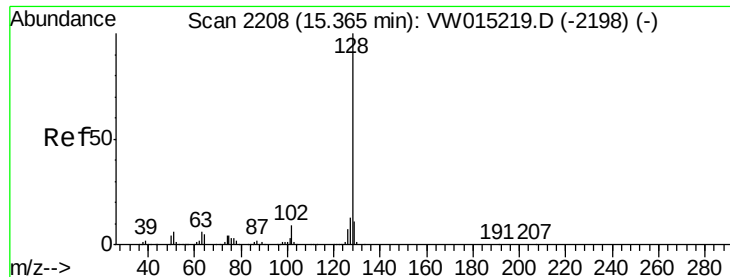
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#94  
Hexachlorobutadiene  
Concen: 20.974 ug/l  
RT: 15.24 min Scan# 2187  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 47484 |       |       |
| 223     | 61.4  |       | 31.0  | 93.0  |
| 227     | 62.4  |       | 30.8  | 92.3  |





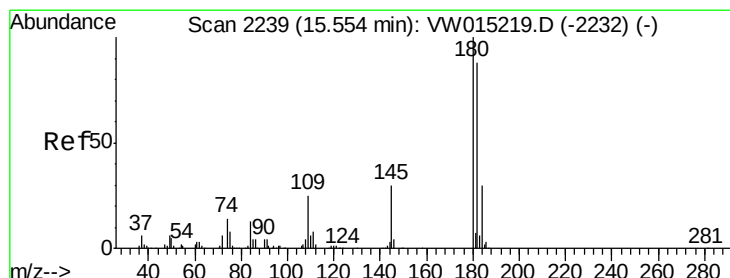
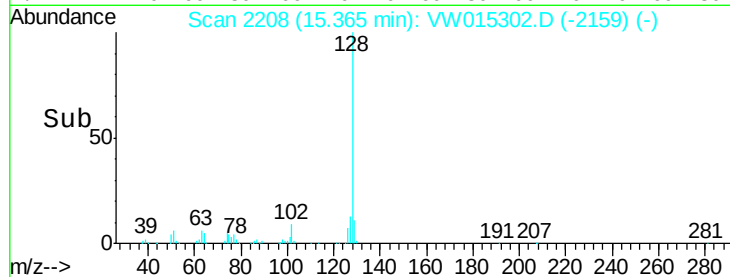
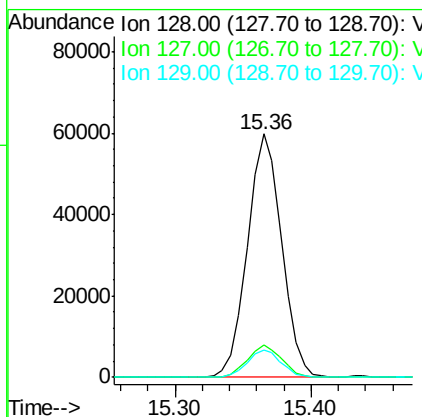
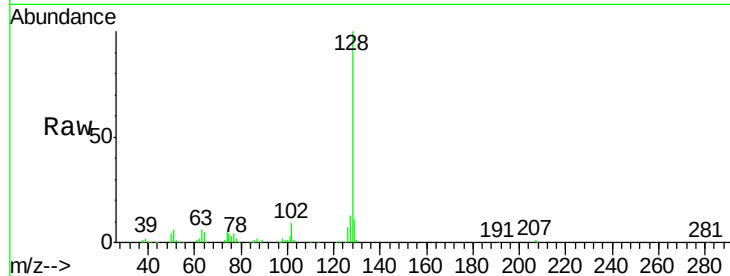
#95  
Naphthalene  
Concen: 19.302 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0422SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 105434 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.3  | 10.3  | 15.5   |
| 129       | 11.0  | 8.6   | 12.8   |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.644 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: VW015302.D  
Acq: 22 Apr 2020 12:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 57035 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.3  | 48.8  | 146.3 |
| 145       | 31.4  | 17.2  | 51.6  |

