

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\  
 Data File : VW010665.D  
 Acq On : 03 Jun 2019 17:49  
 Operator : SY/VA  
 Sample : K3010-05MSD  
 Misc : 6.65G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

Manual Integrations  
 APPROVED

MMDadoda  
 6/4/2019 12:13:06 PM

Quant Time: Jun 04 08:18:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 06:38:43 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 14246    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 20908    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 16708    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 6353     | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 5550     | 37.74 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 75.48% |      |
| 35) Dibromofluoromethane  | 7.89   | 113 | 5587     | 44.04 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.08% |      |
| 50) Toluene-d8            | 10.32  | 98  | 23016    | 47.49 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.98% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 7637     | 39.56 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 79.12% |      |

## Target Compounds

|                               |      |     |       |           |        | Qvalue |
|-------------------------------|------|-----|-------|-----------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 7111  | 56.063    | ug/l   | 89     |
| 3) Chloromethane              | 2.21 | 50  | 6332  | 42.304    | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.36 | 62  | 8098  | 46.708    | ug/l   | 93     |
| 5) Bromomethane               | 2.78 | 94  | 4840  | 40.579    | ug/l   | 91     |
| 6) Chloroethane               | 2.92 | 64  | 4575  | 41.106    | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 14061 | 54.933    | ug/l   | 96     |
| 8) Diethyl Ether              | 3.68 | 74  | 3089  | 38.070    | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 8222  | 52.158    | ug/l   | 97     |
| 10) Methyl Iodide             | 4.28 | 142 | 3329  | 18.476    | ug/l   | 96     |
| 11) Tert butyl alcohol        | 5.15 | 59  | 5047  | 381.585   | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 8022  | 53.311    | ug/l   | 85     |
| 13) Acrolein                  | 3.91 | 56  | 45    | Below Cal | #      | 13     |
| 14) Allyl chloride            | 4.67 | 41  | 8245  | 37.854    | ug/l   | 98     |
| 15) Acrylonitrile             | 5.37 | 53  | 11487 | 338.039   | ug/l   | 95     |
| 16) Acetone                   | 4.12 | 43  | 13230 | 440.784   | ug/l   | 90     |
| 17) Carbon Disulfide          | 4.39 | 76  | 20242 | 45.100    | ug/l   | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 21268 | 289.725   | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 15051 | 39.235    | ug/l   | 96     |
| 20) Methylene Chloride        | 4.92 | 84  | 7907  | 44.322    | ug/l   | 92     |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 7855  | 45.510    | ug/l   | 96     |
| 22) Diisopropyl ether         | 6.31 | 45  | 15222 | 34.083    | ug/l   | 99     |
| 23) Vinyl Acetate             | 6.31 | 43  | 7635  | 28.619    | ug/l # | 67     |
| 24) 1,1-Dichloroethane        | 6.22 | 63  | 11984 | 44.965    | ug/l   | 98     |
| 25) 2-Butanone                | 7.17 | 43  | 13650 | 317.783   | ug/l   | 94     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 11279 | 44.427    | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 8164  | 43.508    | ug/l   | 98     |
| 28) Bromochloromethane        | 7.51 | 49  | 4041  | 42.348    | ug/l # | 91     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 9383  | 322.819   | ug/l   | 96     |
| 30) Chloroform                | 7.68 | 83  | 12188 | 42.396    | ug/l   | 96     |
| 31) Cyclohexane               | 7.96 | 56  | 12029 | 43.087    | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 12450 | 45.311    | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 10375 | 53.268    | ug/l   | 96     |
| 37) Ethyl Acetate             | 7.25 | 43  | 3121  | 37.682    | ug/l # | 80     |
| 38) Carbon Tetrachloride      | 8.06 | 117 | 10979 | 52.255    | ug/l   | 97     |

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 Sample : K3010-05MSD  
 Misc : 6.65G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

Manual Integrations  
 APPROVED

MMDadoda  
 6/4/2019 12:13:06 PM

Quant Time: Jun 04 08:18:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 06:38:43 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| -----                          |       |      |          |          |        |          |
| 39) Methylcyclohexane          | 9.34  | 83   | 12611    | 48.329   | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 29159    | 53.864   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.53  | 41   | 8249     | 167.621  | ug/l # | 32       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 7117     | 45.998   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 6805     | 41.126   | ug/l   | 98       |
| 44) Trichloroethene            | 9.09  | 130  | 8695     | 54.102   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 5976     | 46.481   | ug/l   | 95       |
| 46) Dibromomethane             | 9.46  | 93   | 3667     | 48.770   | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.65  | 83   | 7532     | 39.862   | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.44  | 41   | 5324     | 70.332   | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 2684     | 2185.181 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 27541    | 328.474  | ug/l   | 100      |
| 52) Toluene                    | 10.39 | 92   | 23225    | 63.883   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 6650     | 34.750   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 8259     | 37.790   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 5483     | 50.710   | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 4099     | 27.488   | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 8826     | 48.732   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 4196     | 63.528   | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.97 | 43   | 19564    | 327.098  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 5555     | 40.594   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 5223     | 47.686   | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.86 | 164  | 6978     | 59.912   | ug/l   | 89       |
| 65) Chlorobenzene              | 11.66 | 112  | 18323    | 51.457   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 6072     | 47.602   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.73 | 91   | 33081    | 52.619   | ug/l   | 96       |
| 68) m/p-Xylenes                | 11.84 | 106  | 26339    | 106.813  | ug/l   | 98       |
| 69) o-Xylene                   | 12.17 | 106  | 11681    | 49.998   | ug/l   | 100      |
| 70) Styrene                    | 12.18 | 104  | 11966    | 30.186   | ug/l   | 95       |
| 71) Bromoform                  | 12.35 | 173  | 3215     | 45.769   | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.47 | 105  | 32607    | 64.680   | ug/l   | 98       |
| 74) N-amyl acetate             | 12.29 | 43   | 806      | 6.977    | ug/l # | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 6594     | 71.912   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 6187m    | 95.942   | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 6869     | 60.887   | ug/l   | 97       |
| 78) n-propylbenzene            | 12.80 | 91   | 34258    | 58.311   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 20089    | 58.963   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 23755    | 55.636   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 1373     | 44.435   | ug/l # | 80       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 18739    | 52.989   | ug/l   | 97       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 23174    | 62.136   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 22527    | 52.974   | ug/l   | 96       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 27990    | 53.628   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 22342    | 47.293   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 10942    | 49.436   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 10511    | 47.332   | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.83 | 91   | 16393    | 36.481   | ug/l   | 98       |
| 90) Hexachloroethane           | 14.10 | 117  | 3715     | 40.627   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 9244     | 45.837   | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 1200     | 70.381   | ug/l   | 94       |

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Sample : K3010-05MSD  
Misc : 6.65G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

Manual Integrations  
APPROVED

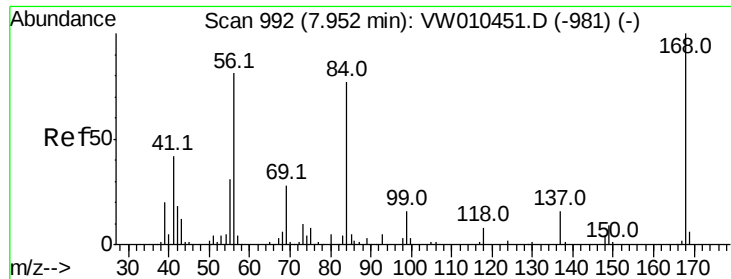
MMDadoda  
6/4/2019 12:13:06 PM

Quant Time: Jun 04 08:18:36 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 21 06:38:43 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 2351     | 17.134 | ug/l  | 95       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 1991     | 27.161 | ug/l  | 96       |
| 95) Naphthalene            | 15.37 | 128  | 5824     | 20.220 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 2127     | 18.015 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion:168 Resp: 14246

Ion Ratio Lower Upper

168 100

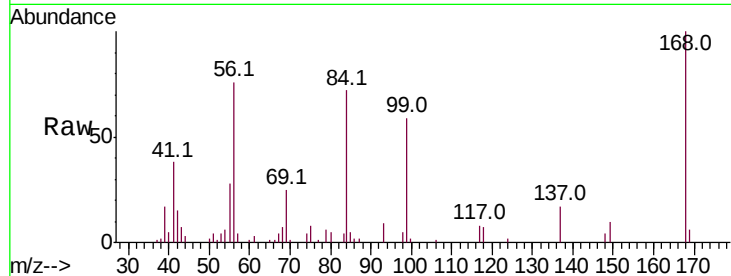
99 58.9 46.1 69.1

Manual Integrations

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6/4/2019 12:13:06 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

6000

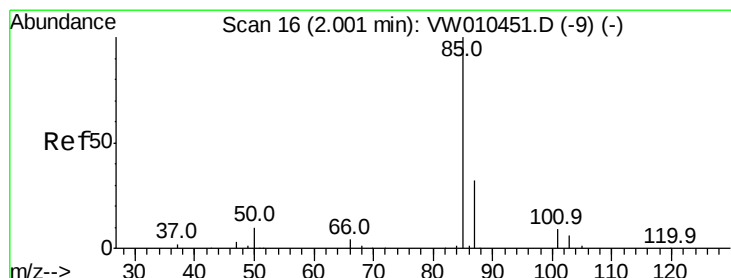
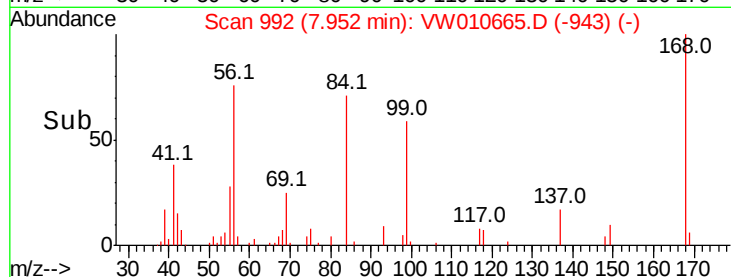
4000

2000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 56.063 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010665.D

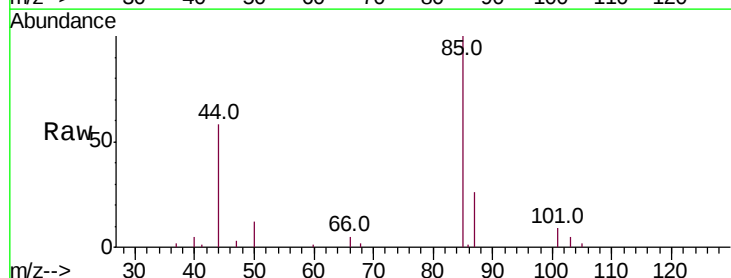
Acq: 03 Jun 2019 17:49

Tgt Ion: 85 Resp: 7111

Ion Ratio Lower Upper

85 100

87 26.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

6000

5000

4000

3000

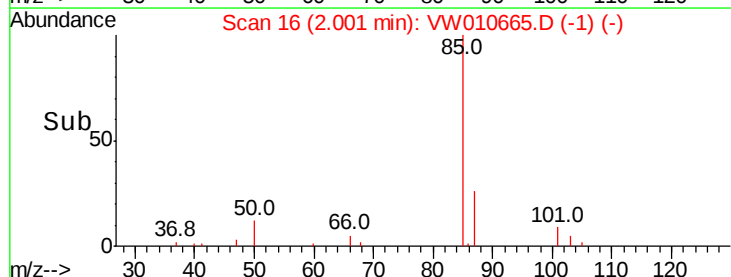
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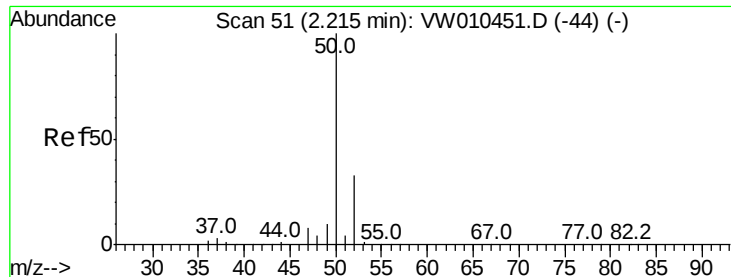
1000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 42.304 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion: 50 Resp: 6332

Ion Ratio Lower Upper

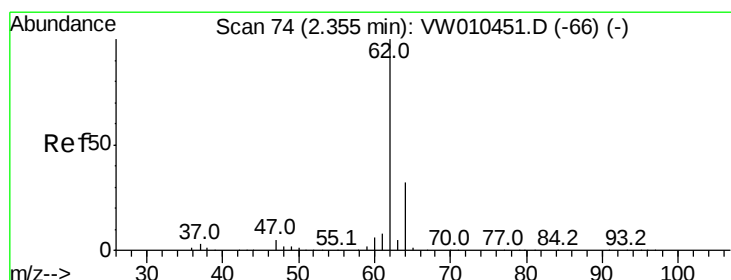
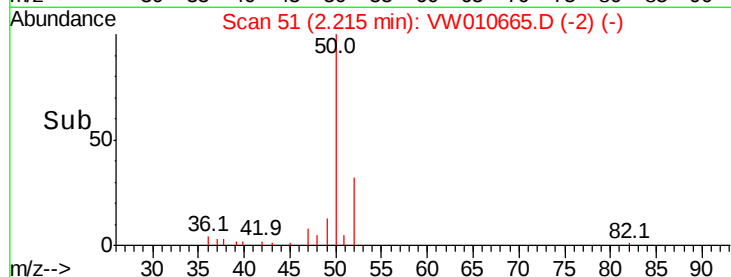
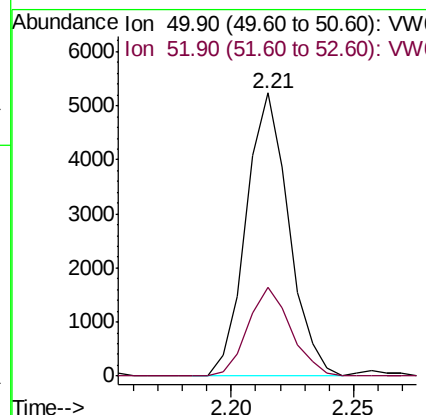
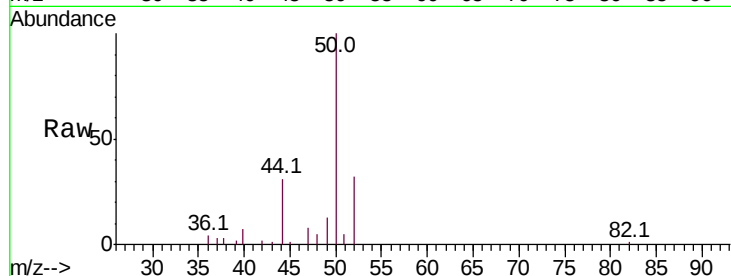
50 100

52 31.6 26.3 39.5

Manual Integrations  
APPROVED

MMDadoda

6/4/2019 12:13:06 PM



#4

Vinyl Chloride

Concen: 46.708 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW010665.D

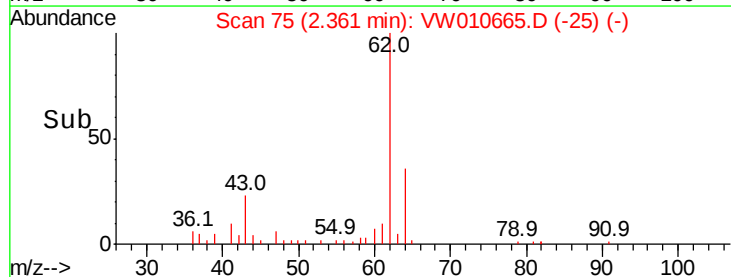
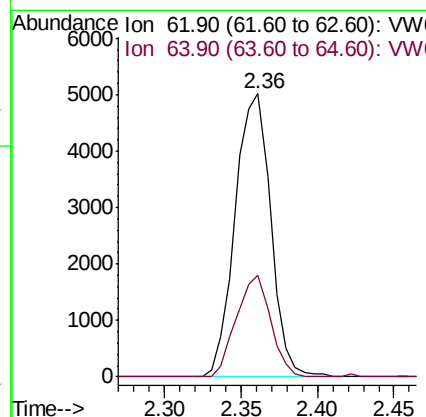
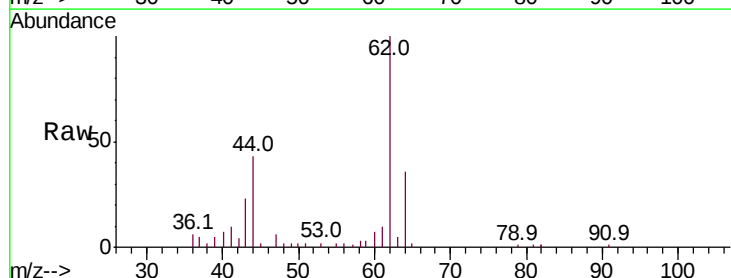
Acq: 03 Jun 2019 17:49

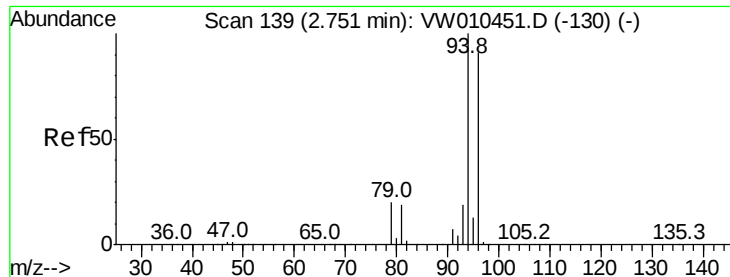
Tgt Ion: 62 Resp: 8098

Ion Ratio Lower Upper

62 100

64 36.1 25.8 38.8





#5

Bromomethane

Concen: 40.579 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.02 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion: 94 Resp: 4840

Ion Ratio Lower Upper

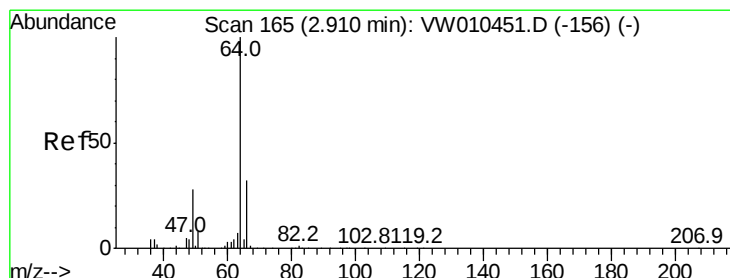
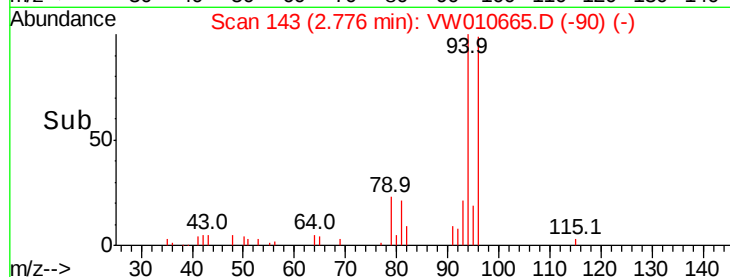
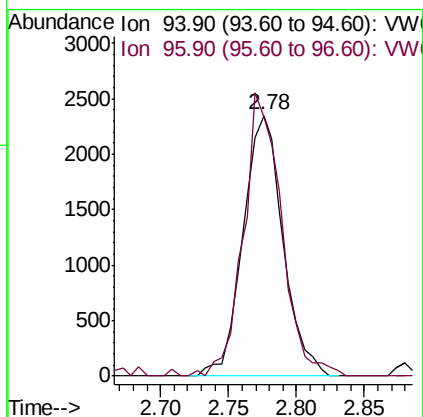
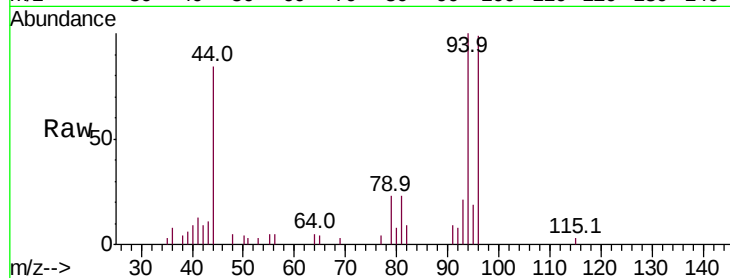
94 100

96 99.5 72.9 109.3

Manual Integrations  
APPROVED

MMDadoda

6/4/2019 12:13:06 PM



#6

Chloroethane

Concen: 41.106 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW010665.D

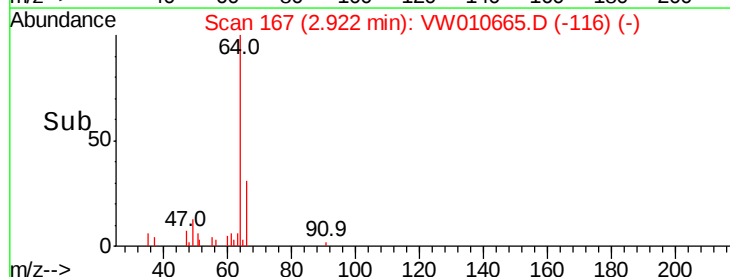
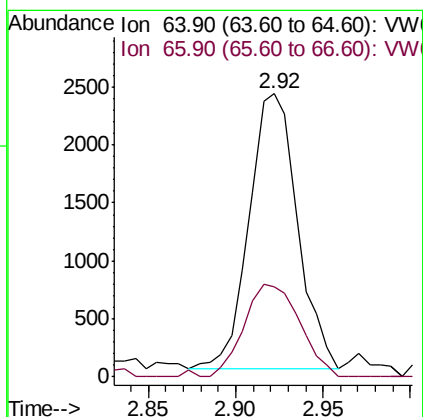
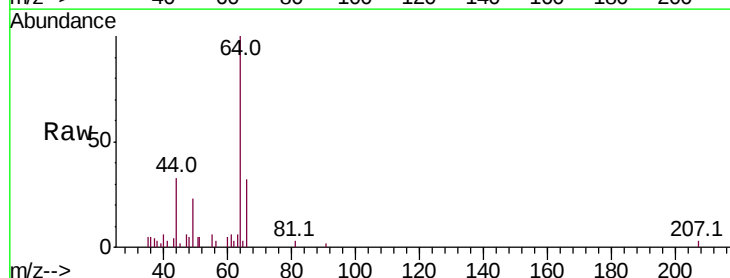
Acq: 03 Jun 2019 17:49

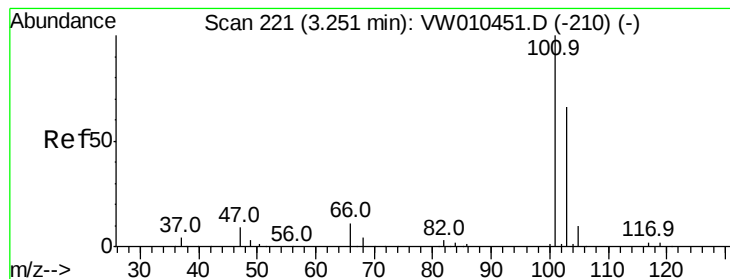
Tgt Ion: 64 Resp: 4575

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3





#7

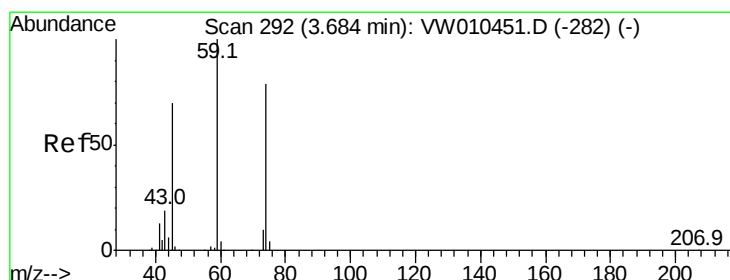
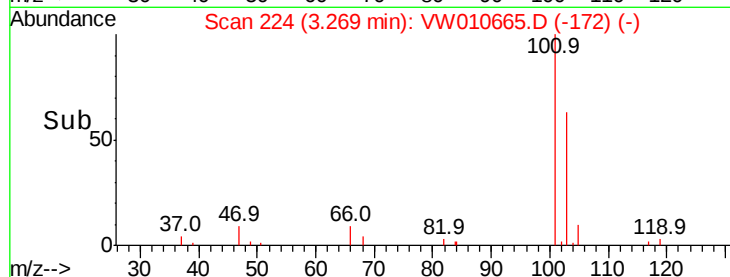
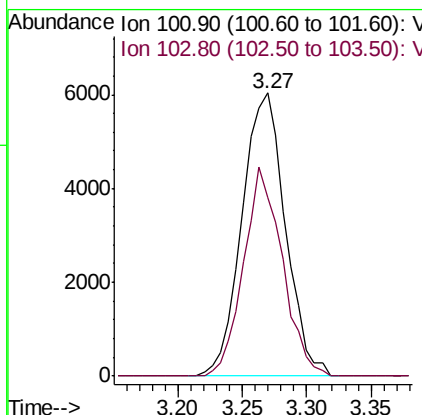
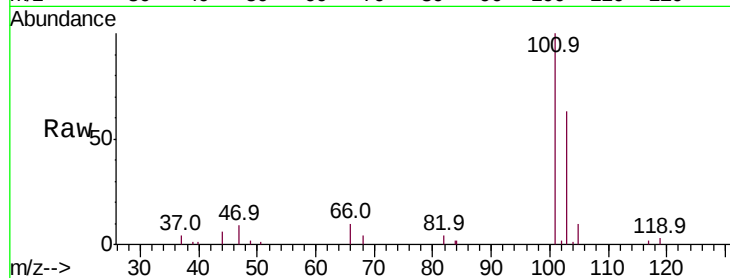
Trichlorofluoromethane  
 Concen: 54.933 ug/l  
 RT: 3.27 min Scan# 224  
 Delta R.T. 0.02 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.2  | 53.0  | 79.4  |

Manual Integrations  
 APPROVED

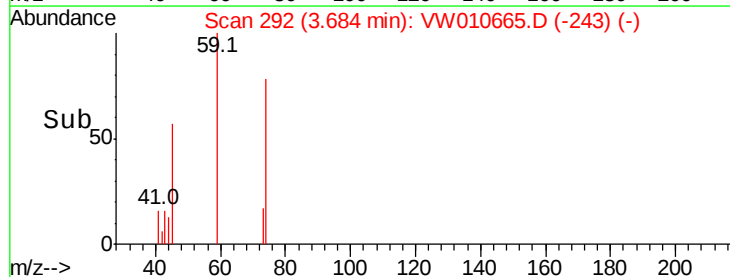
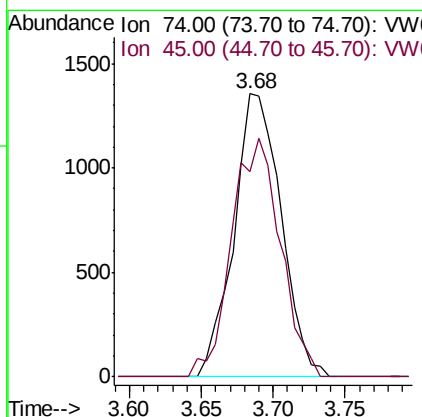
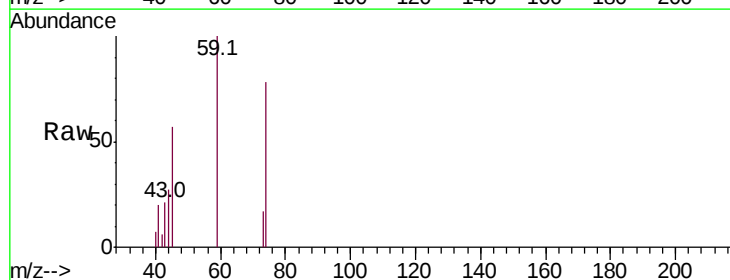
MMDadoda  
 6/4/2019 12:13:06 PM

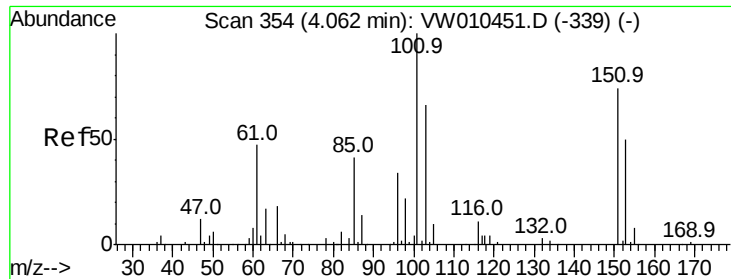


#8

Diethyl Ether  
 Concen: 38.070 ug/l  
 RT: 3.68 min Scan# 292  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 87.3  | 42.9  | 128.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.158 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

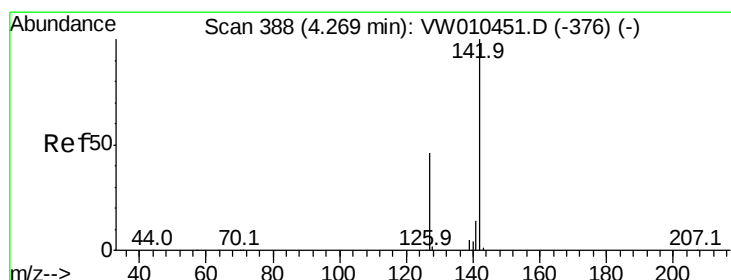
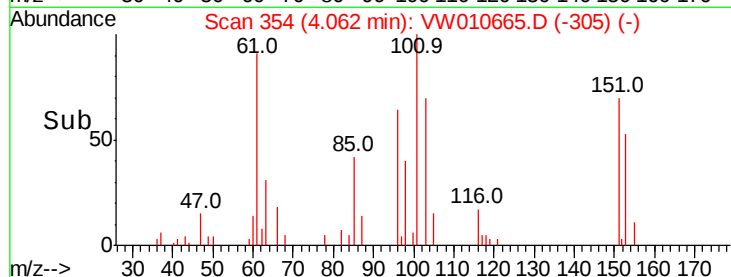
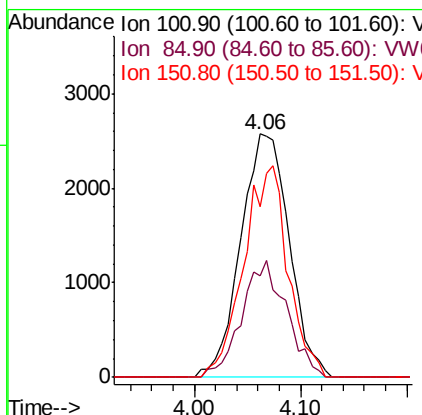
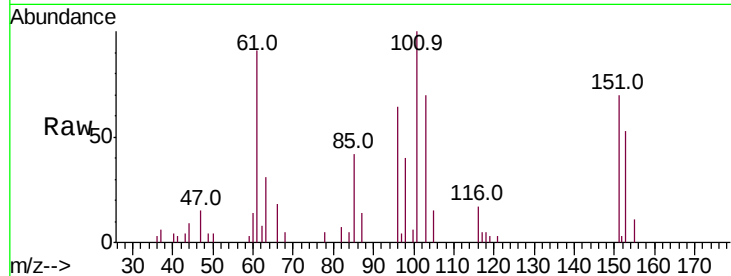
ClientSampleId :

FESB-23(3-3.5)MSD

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 101   | Resp: | 8222 |
| Ion Ratio | Lower | Upper |      |
| 101       | 100   |       |      |
| 85        | 44.1  | 34.3  | 51.5 |
| 151       | 79.0  | 60.3  | 90.5 |

Manual Integrations  
APPROVED

MMDadoda  
6/4/2019 12:13:06 PM



#10

Methyl Iodide

Concen: 18.476 ug/l

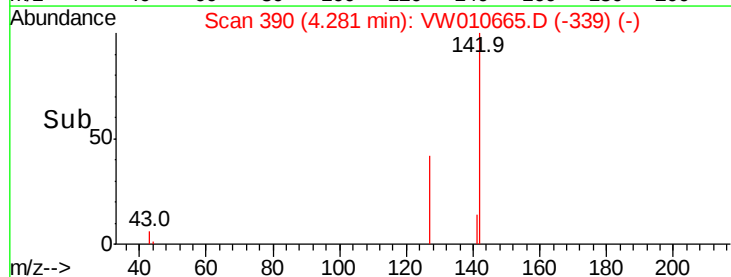
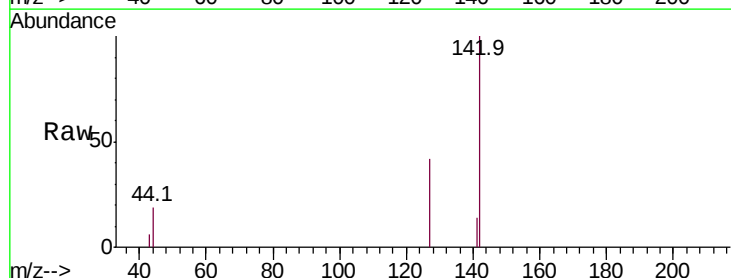
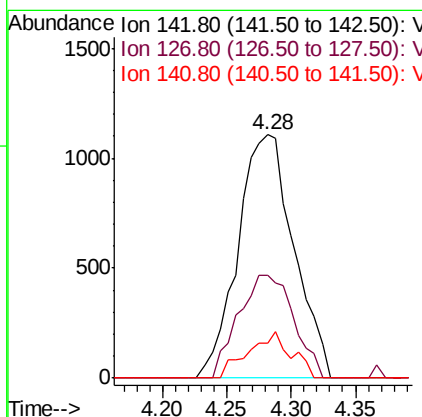
RT: 4.28 min Scan# 390

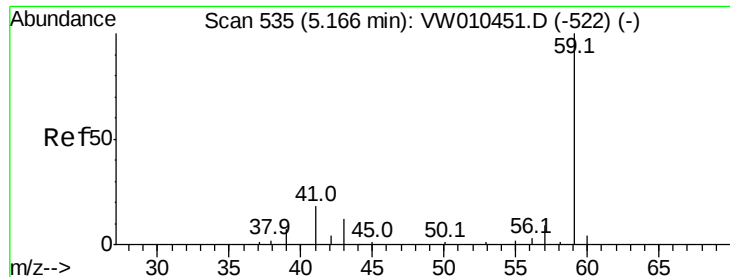
Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 142   | Resp: | 3329 |
| Ion Ratio | Lower | Upper |      |
| 142       | 100   |       |      |
| 127       | 41.9  | 36.1  | 54.1 |
| 141       | 14.6  | 11.3  | 16.9 |





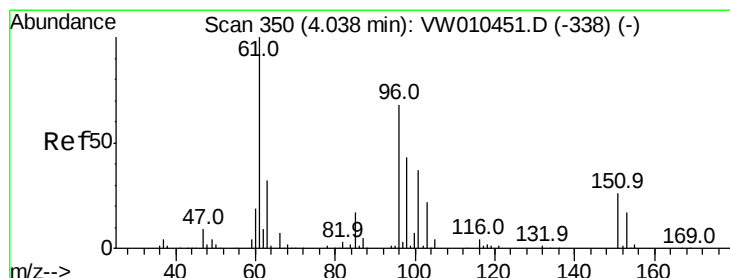
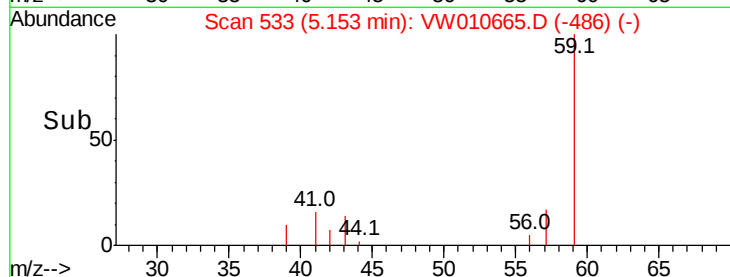
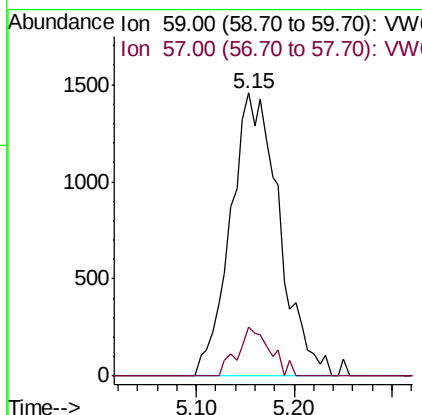
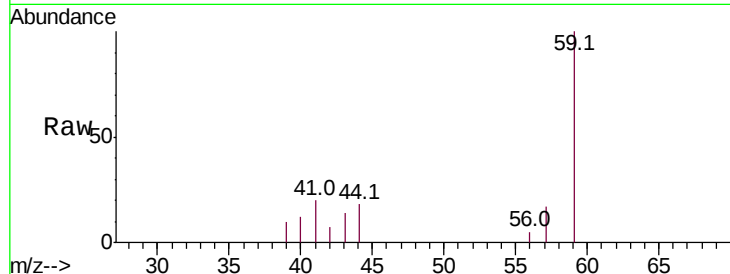
#11  
Tert butyl alcohol  
Concen: 381.585 ug/l  
RT: 5.15 min Scan# 533  
Delta R.T. -0.01 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

Tot Ion: 59 Resp: 5047  
Ion Ratio Lower Upper  
59 100  
57 11.4 8.8 13.2

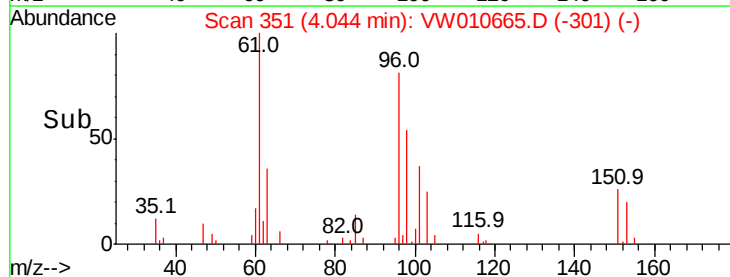
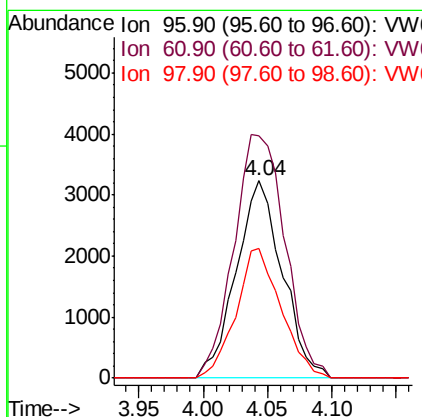
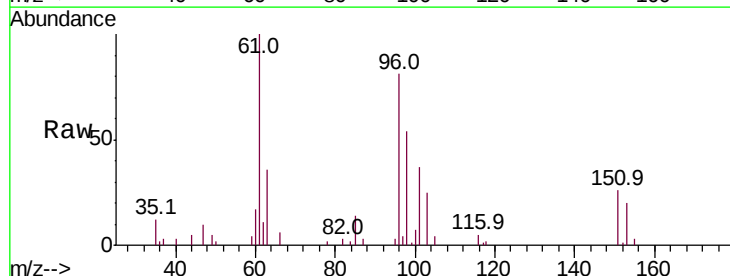
Manual Integrations  
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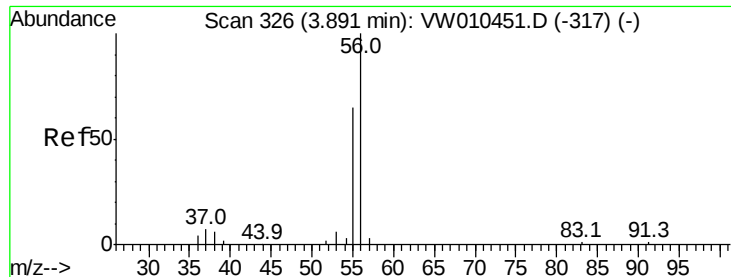
MMDadoda  
6/4/2019 12:13:06 PM



#12  
1,1-Dichloroethene  
Concen: 53.311 ug/l  
RT: 4.04 min Scan# 351  
Delta R.T. 0.01 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Tgt Ion: 96 Resp: 8022  
Ion Ratio Lower Upper  
96 100  
61 122.9 118.3 177.5  
98 66.0 51.0 76.6





#13

Acrolein

Concen: Below Cal

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion: 56 Resp: 45

Ion Ratio Lower Upper

56 100

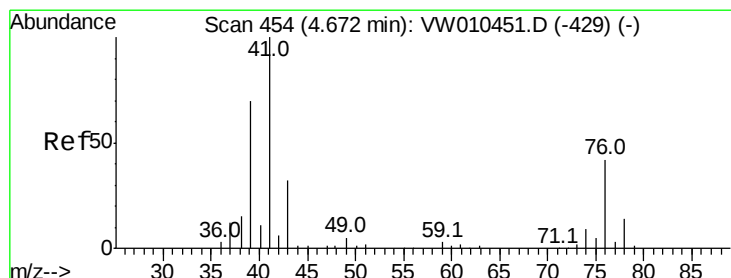
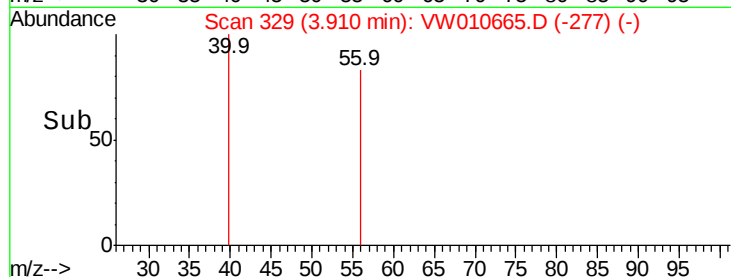
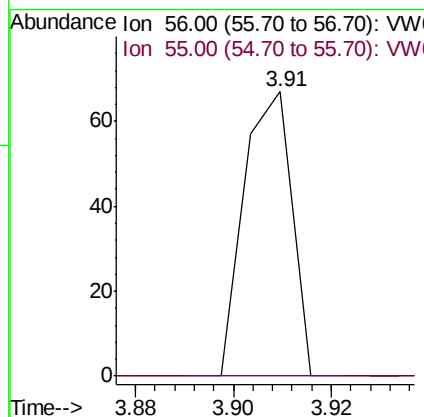
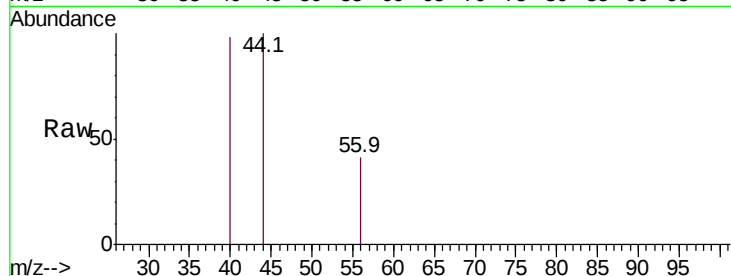
55 0.0 57.9 86.9#

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:13:06 PM



#14

Allyl chloride

Concen: 37.854 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

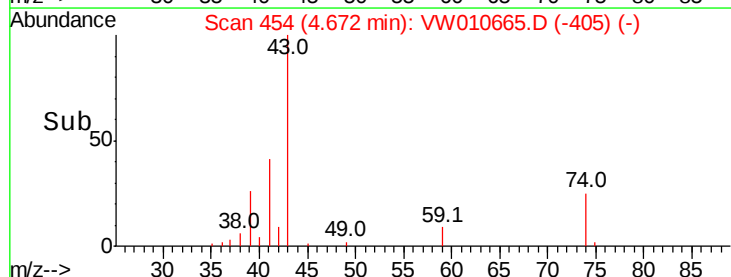
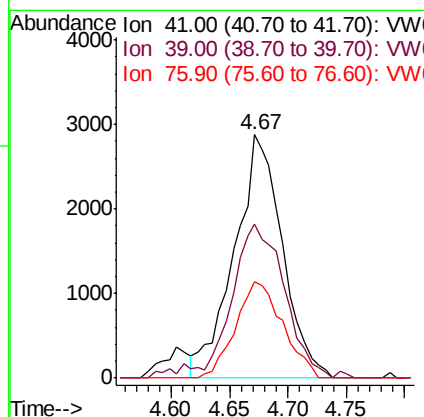
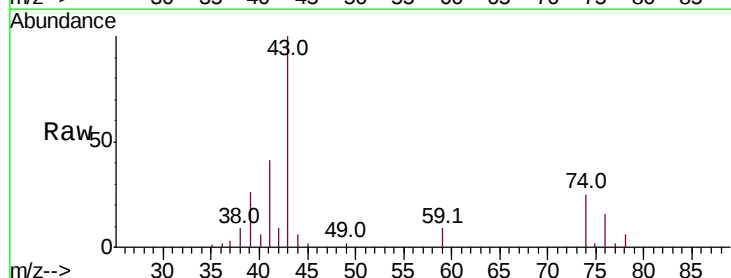
Tgt Ion: 41 Resp: 8245

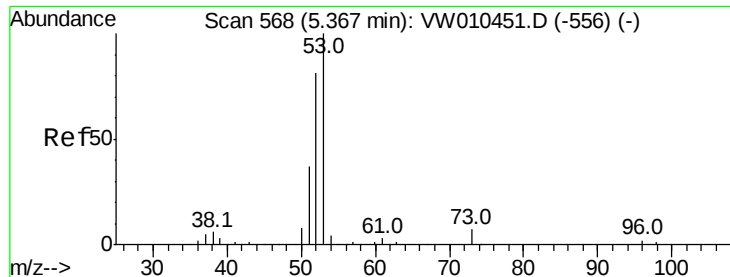
Ion Ratio Lower Upper

41 100

39 67.5 55.0 82.4

76 38.9 32.8 49.2





#15

Acrylonitrile

Concen: 338.039 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

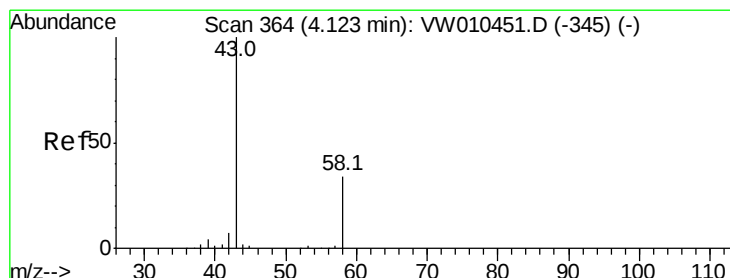
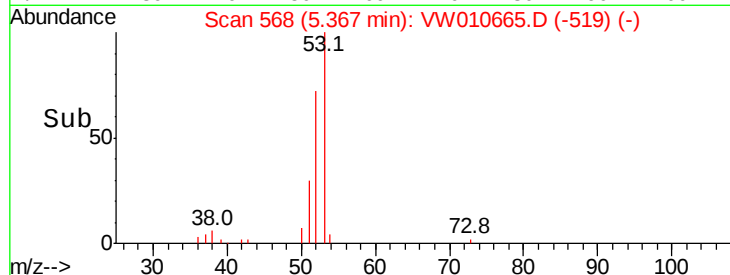
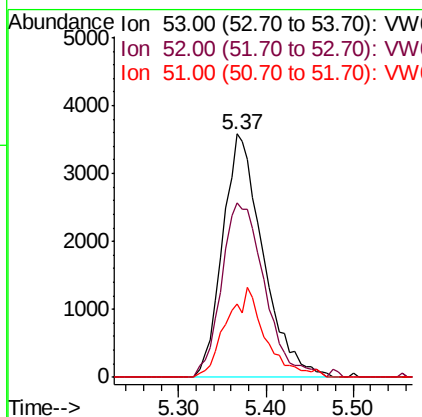
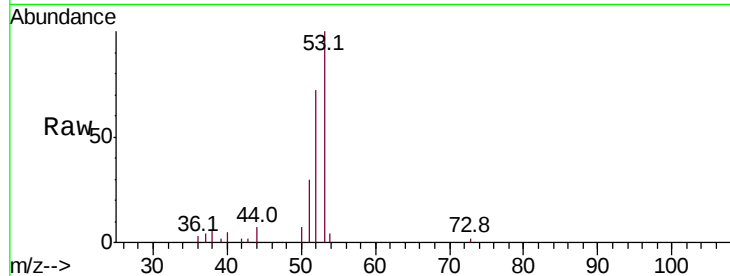
ClientSampleId :

FESB-23(3-3.5)MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 11487 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 76.2  | 65.6  | 98.4  |
| 51       | 35.9  | 29.5  | 44.3  |

Manual Integrations  
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6/4/2019 12:13:06 PM



#16

Acetone

Concen: 440.784 ug/l

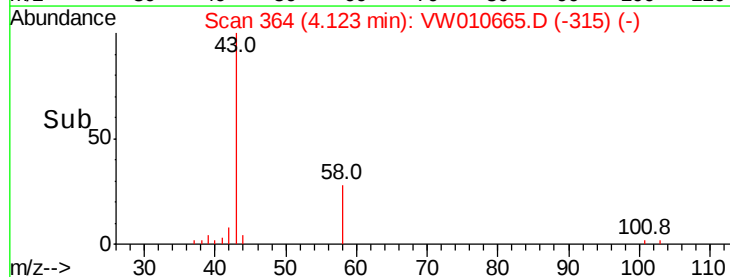
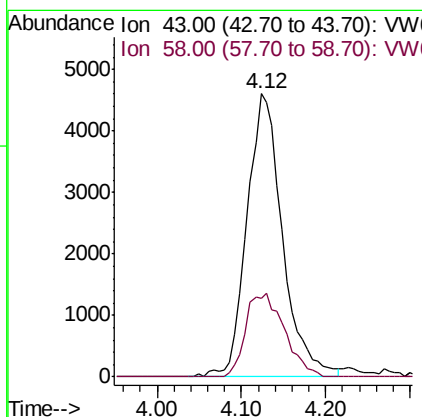
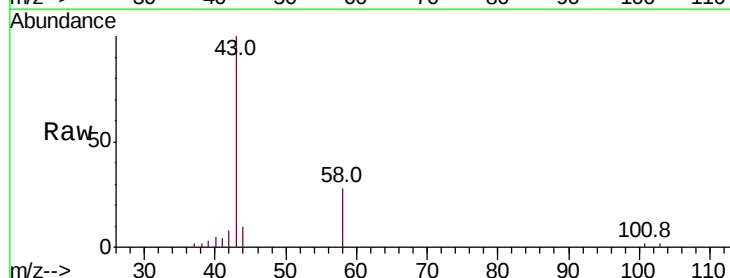
RT: 4.12 min Scan# 364

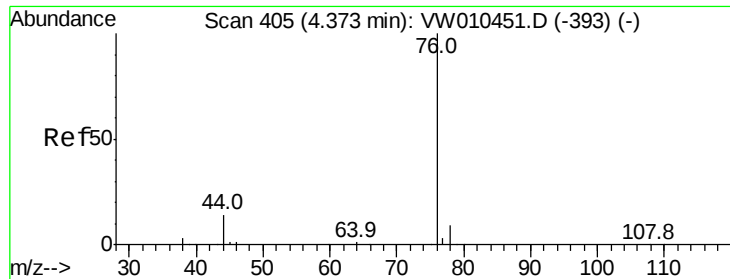
Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 13230 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.7  | 27.0  | 40.4  |





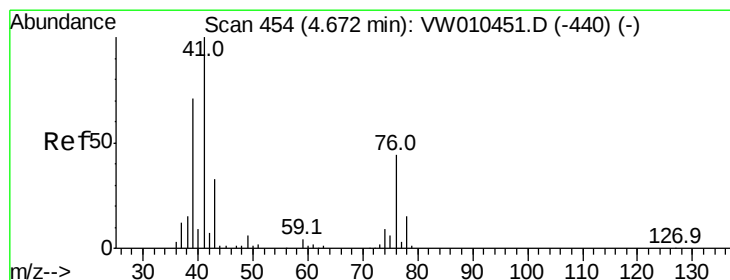
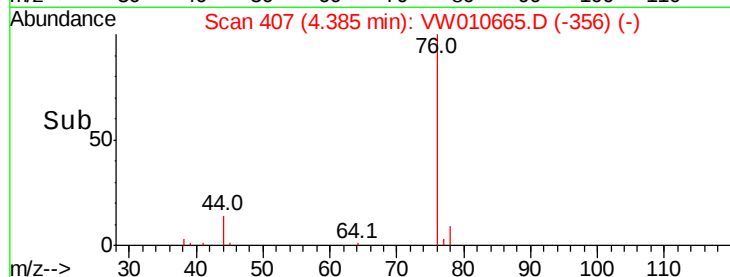
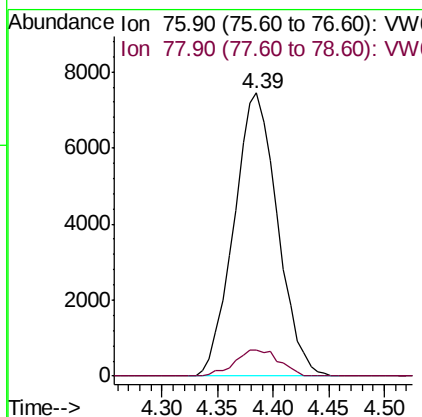
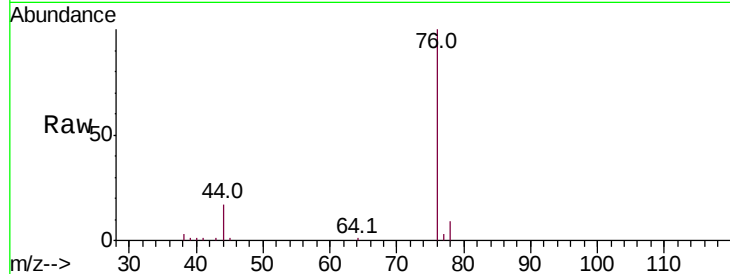
#17  
Carbon Disulfide  
Concen: 45.100 ug/l  
RT: 4.39 min Scan# 407  
Delta R.T. 0.01 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.4   | 7.1   | 10.7  |

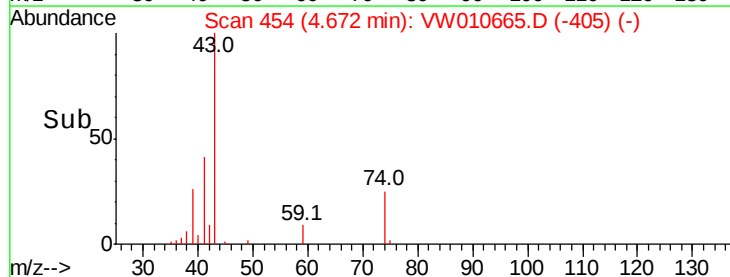
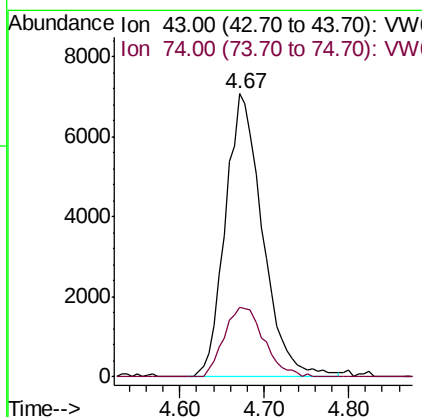
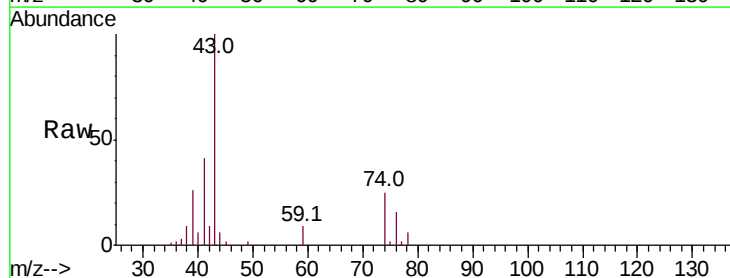
Manual Integrations  
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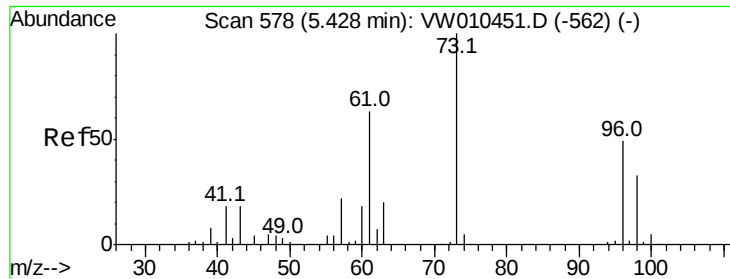
MMDadoda  
6/4/2019 12:13:06 PM



#18  
Methyl Acetate  
Concen: 289.725 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 26.3  | 21.6  | 32.4  |





#19

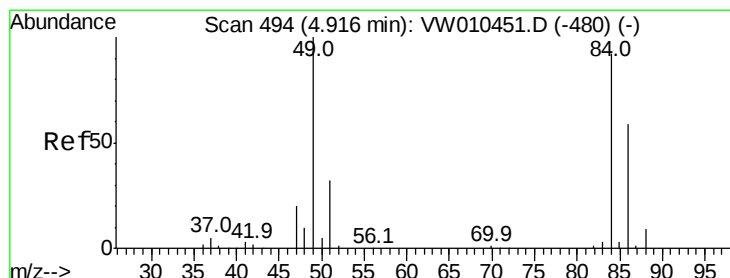
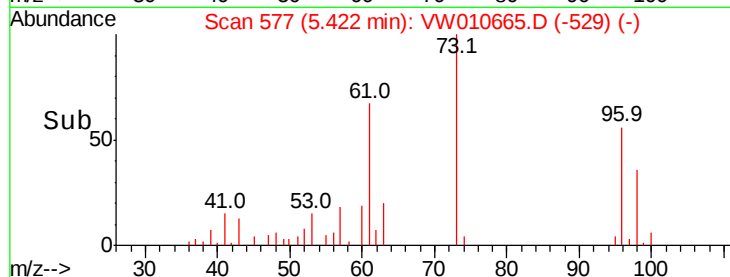
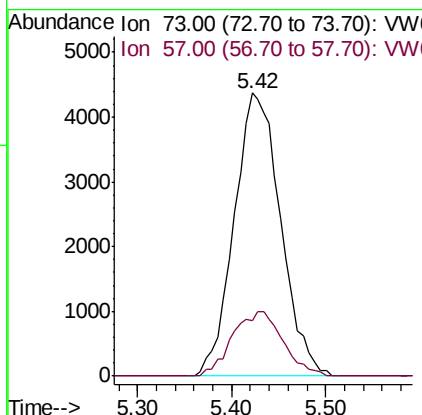
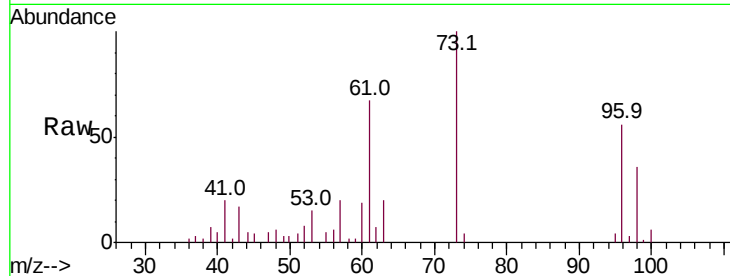
Methyl tert-butyl Ether  
 Concen: 39.235 ug/l  
 RT: 5.42 min Scan# 577  
 Delta R.T. -0.01 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

| Tot Ion   | 73   | Resp  | 15051 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 19.7 | 17.4  | 26.0  |

Manual Integrations  
 APPROVED

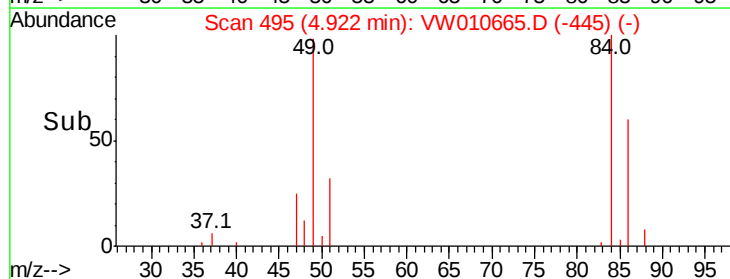
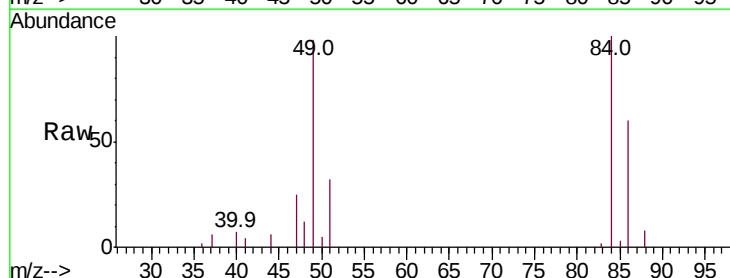
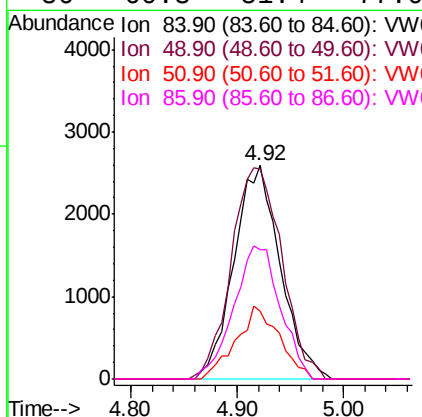
MMDadoda  
 6/4/2019 12:13:06 PM

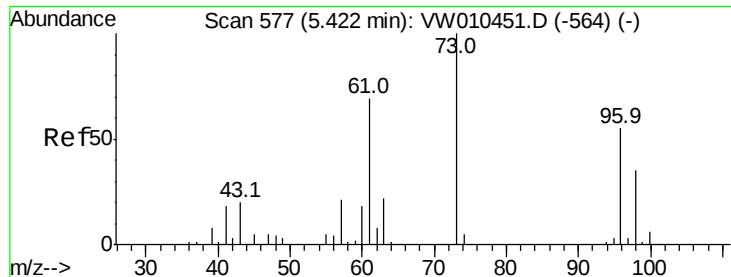


#20

Methylene Chloride  
 Concen: 44.322 ug/l  
 RT: 4.92 min Scan# 495  
 Delta R.T. 0.01 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

| Tgt Ion   | 84   | Resp  | 7907  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 49        | 98.3 | 87.2  | 130.8 |
| 51        | 31.9 | 27.7  | 41.5  |
| 86        | 60.3 | 51.4  | 77.0  |





#21

trans-1,2-Dichloroethene

Concen: 45.510 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion: 96 Resp: 7855

Ion Ratio Lower Upper

96 100

61 121.9 101.4 152.0

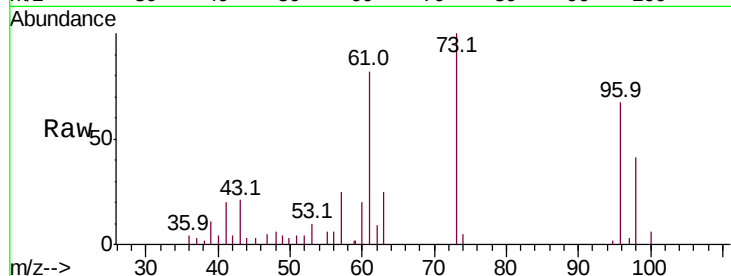
98 60.8 50.6 76.0

Manual Integrations

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6/4/2019 12:13:06 PM

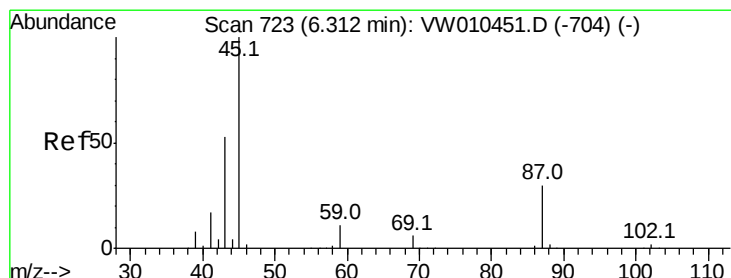
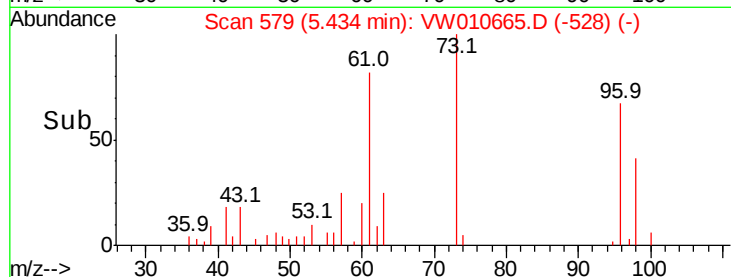
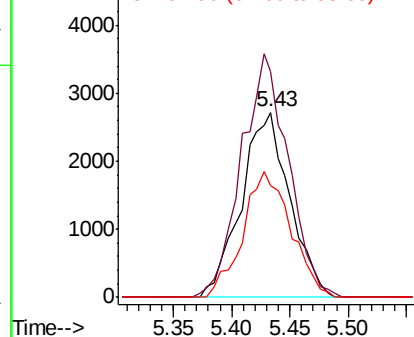


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 34.083 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Tgt Ion: 45 Resp: 15222

Ion Ratio Lower Upper

45 100

43 53.6 42.9 64.3

87 32.7 24.6 36.8

59 12.6 9.4 14.0

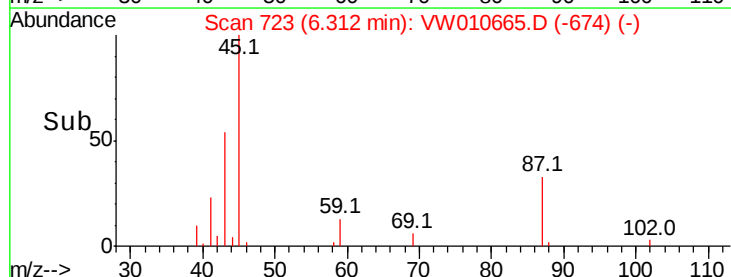
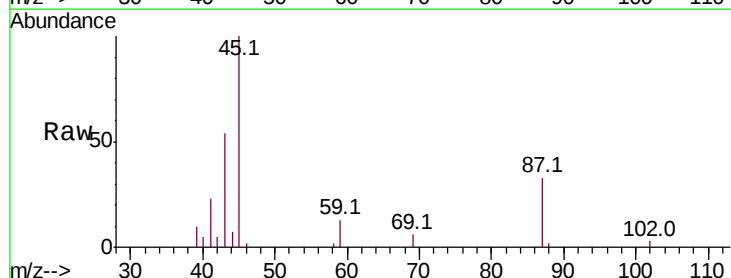
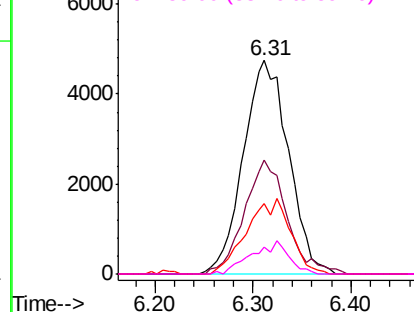
Abundance

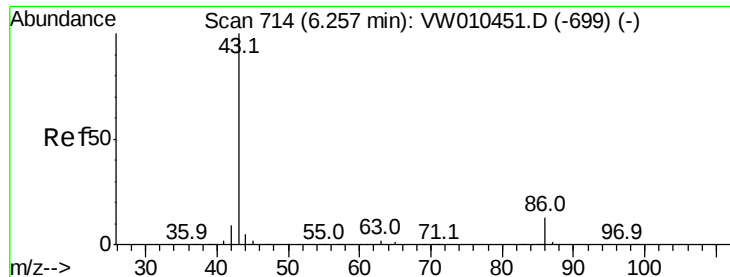
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 28.619 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.05 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion: 43 Resp: 7635

Ion Ratio Lower Upper

43 100

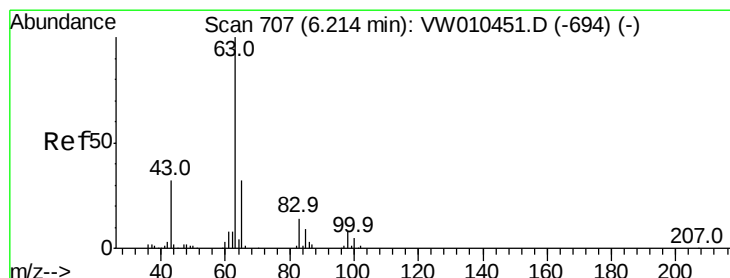
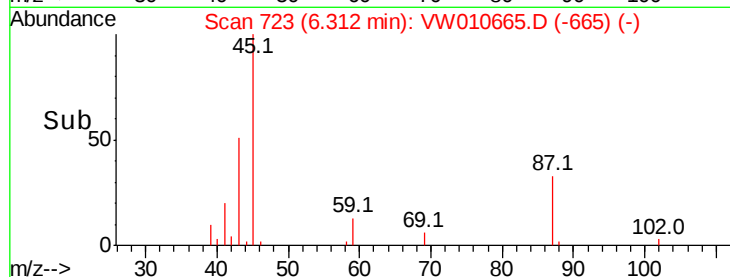
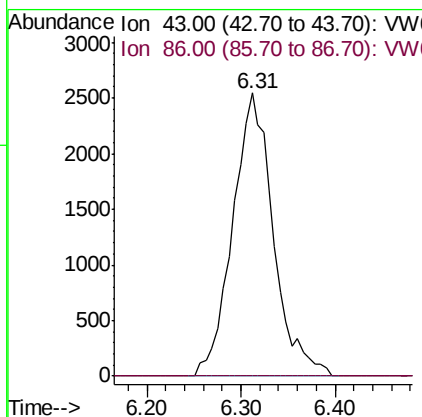
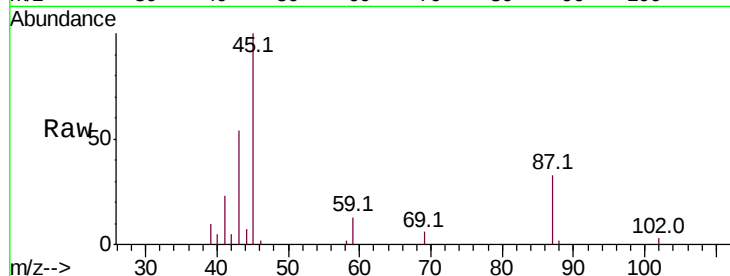
86 0.0 10.3 15.5#

Manual Integrations

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6/4/2019 12:13:06 PM



#24

1,1-Dichloroethane

Concen: 44.965 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

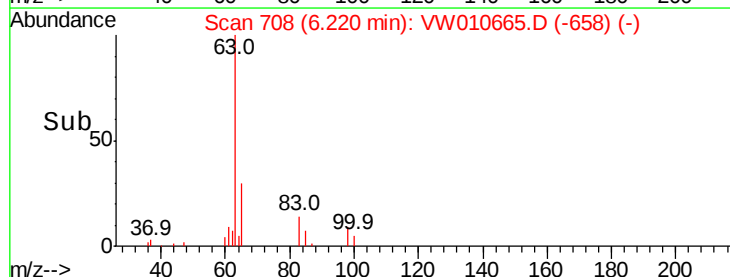
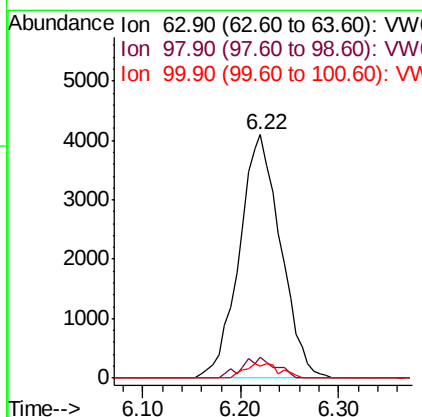
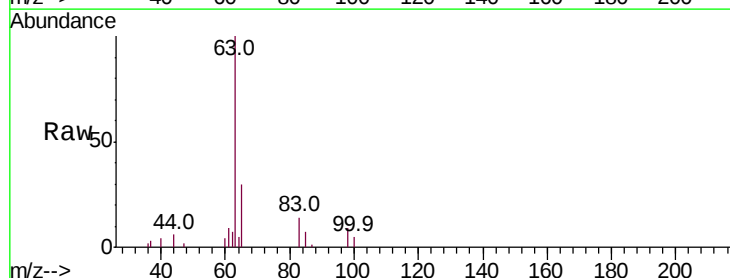
Tgt Ion: 63 Resp: 11984

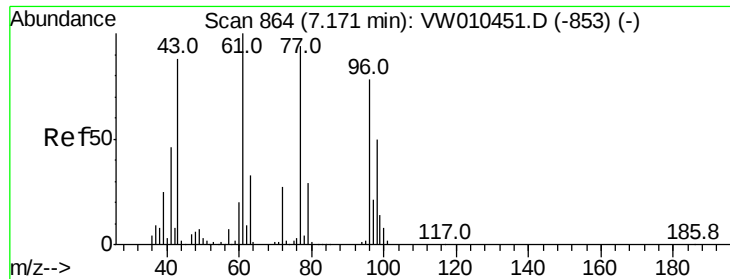
Ion Ratio Lower Upper

63 100

98 8.5 3.8 11.2

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 317.783 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion: 43 Resp: 13650

Ion Ratio Lower Upper

43 100

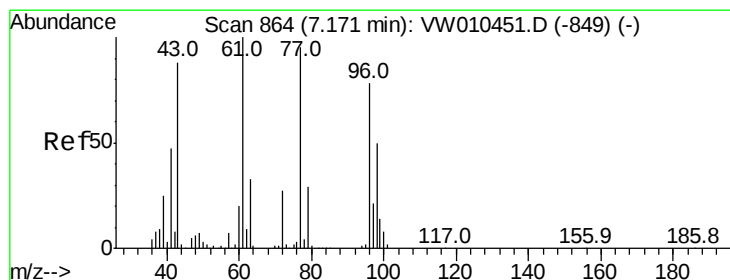
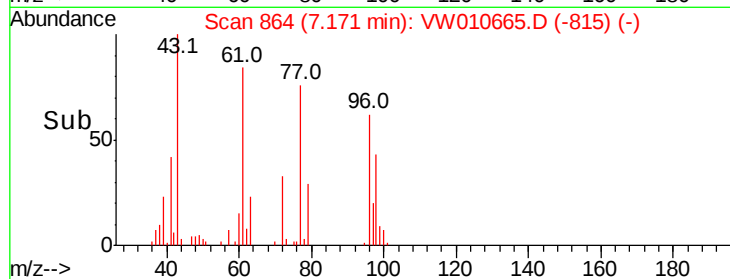
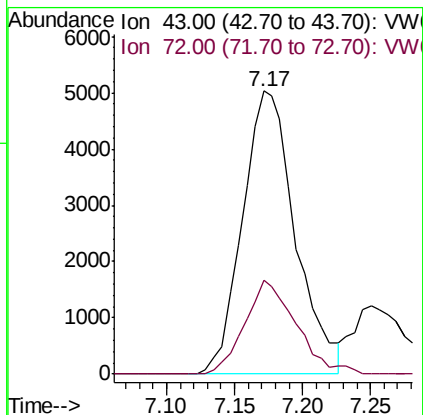
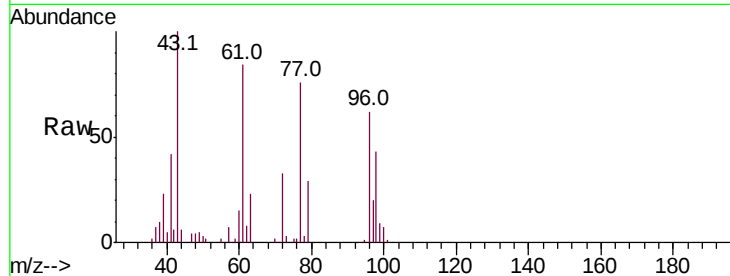
72 33.1 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.427 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010665.D

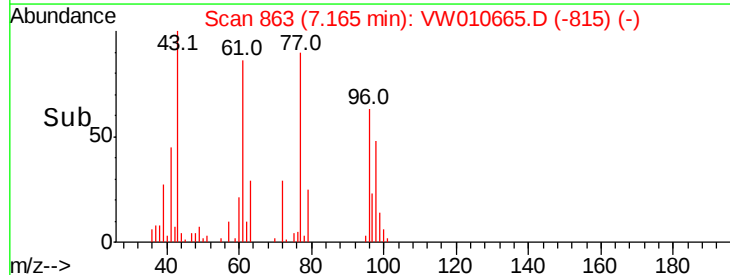
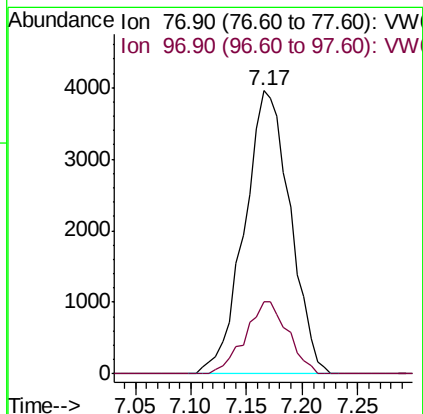
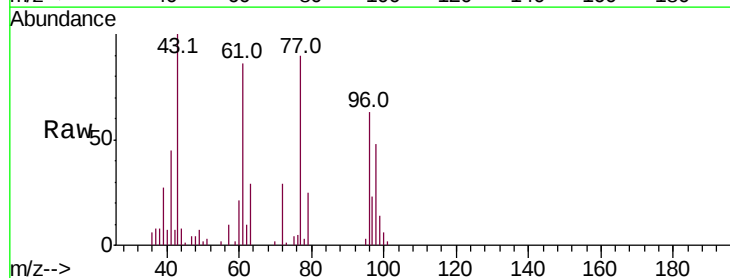
Acq: 03 Jun 2019 17:49

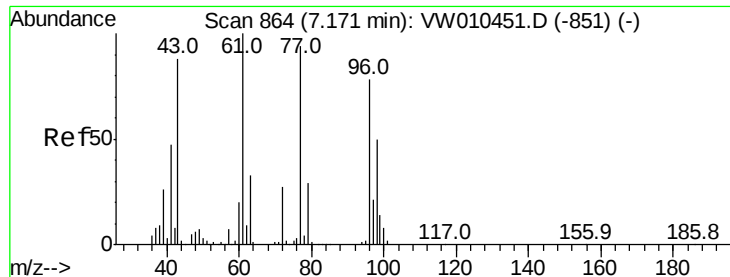
Tgt Ion: 77 Resp: 11279

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.0





#27

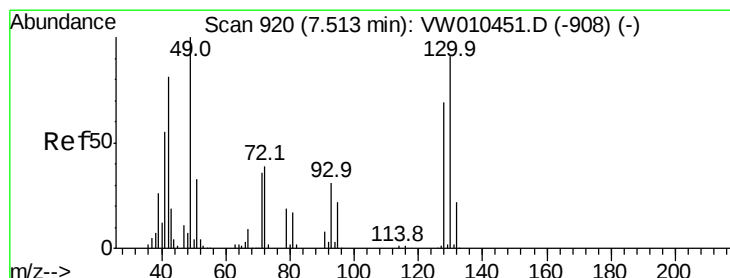
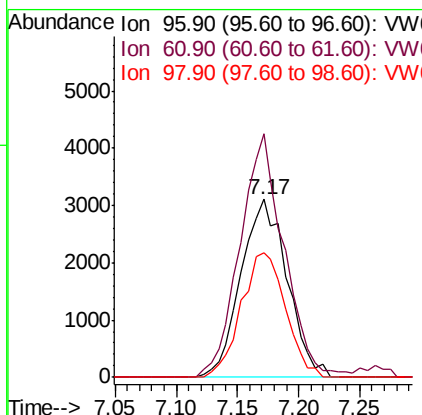
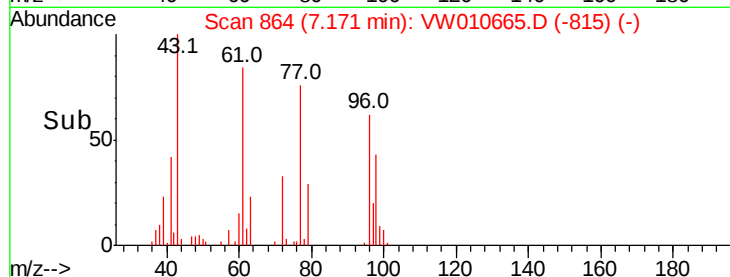
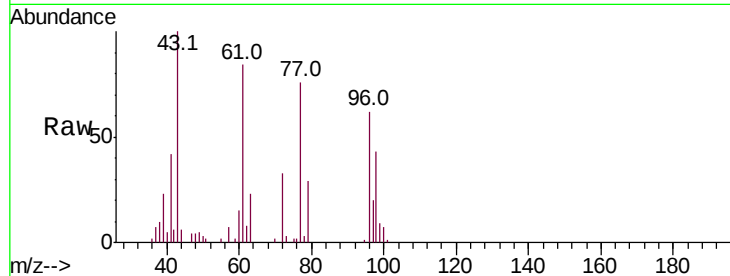
cis-1,2-Dichloroethene  
Concen: 43.508 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 130.5 | 0.0   | 265.4 |
| 98      | 66.8  | 0.0   | 129.4 |

Manual Integrations  
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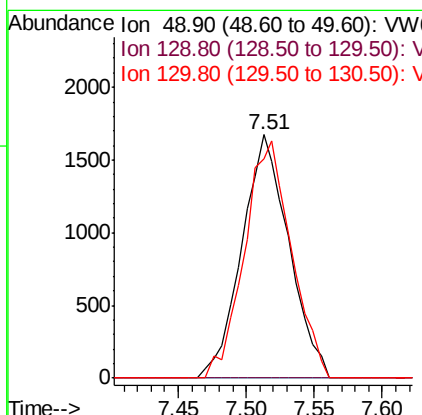
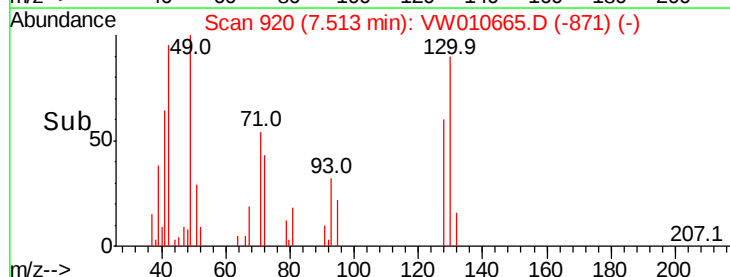
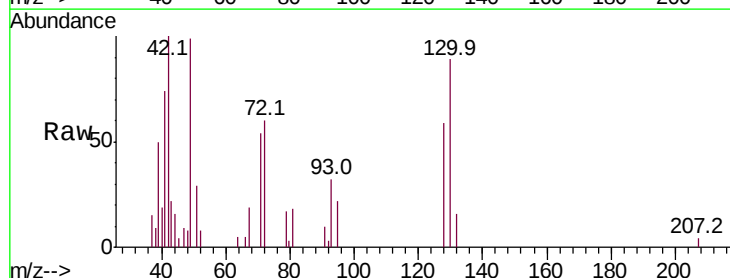
MMDadoda  
6/4/2019 12:13:06 PM

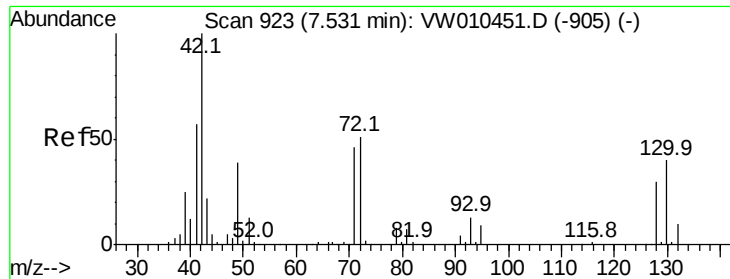


#28

Bromochloromethane  
Concen: 42.348 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 4.8   |
| 130     | 97.7  | 71.2  | 106.8 |





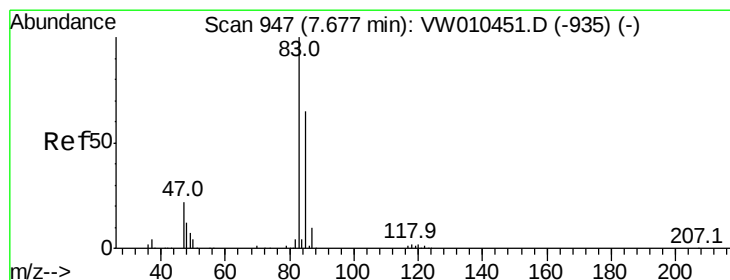
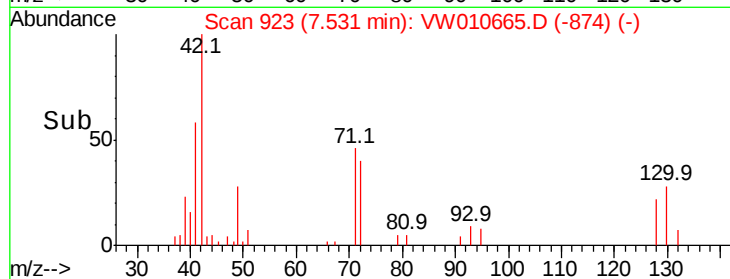
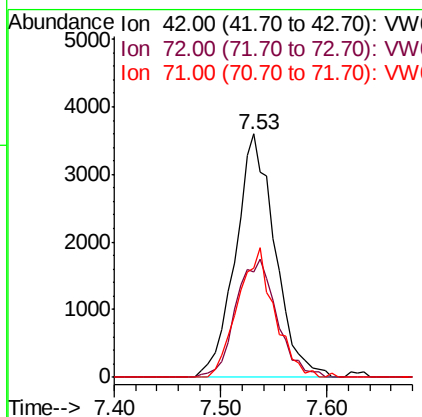
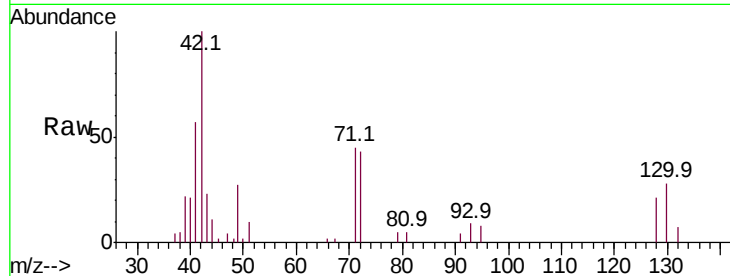
#29  
Tetrahydrofuran  
Concen: 322.819 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 9383  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 50.3  | 38.5  | 57.7  |
| 71       | 49.0  | 36.5  | 54.7  |

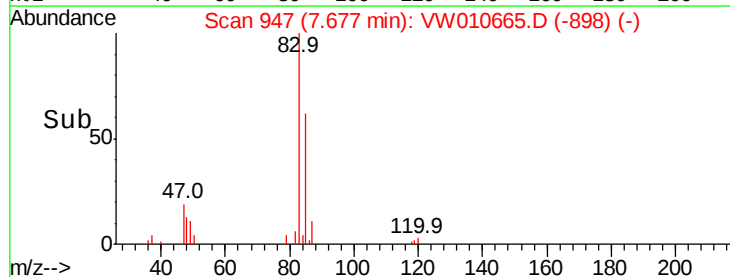
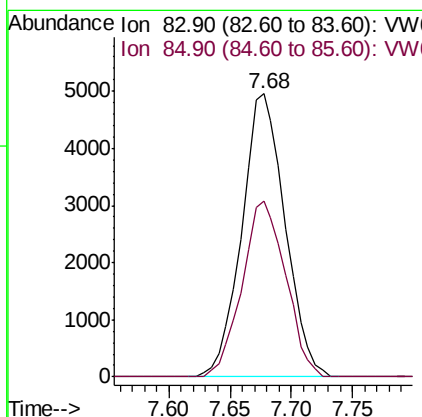
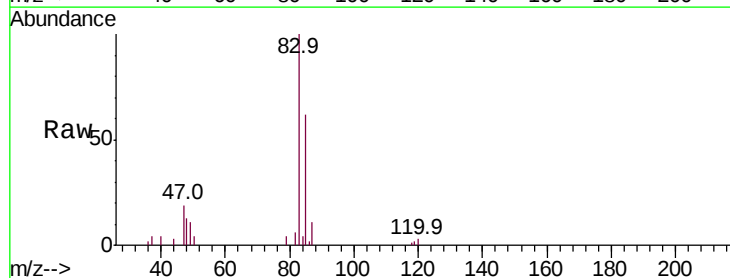
Manual Integrations  
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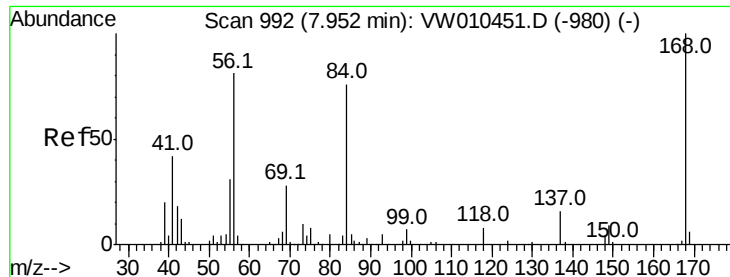
MMDadoda  
6/4/2019 12:13:06 PM



#30  
Chloroform  
Concen: 42.396 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 12188 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.0  | 52.2  | 78.4  |





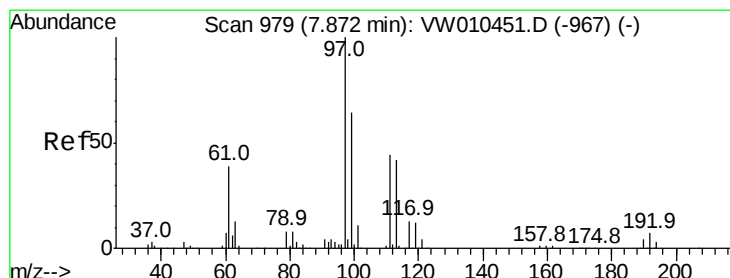
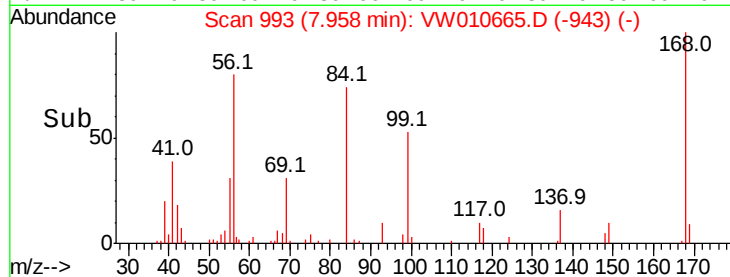
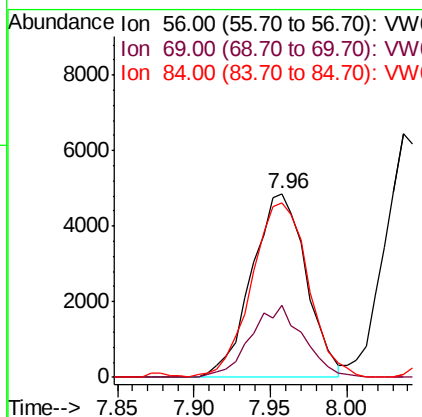
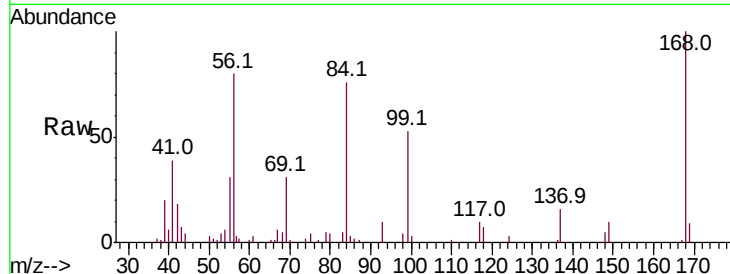
#31  
Cyclohexane  
Concen: 43.087 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. 0.01 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 38.9  | 28.2  | 42.2  |
| 84      | 94.9  | 75.8  | 113.8 |

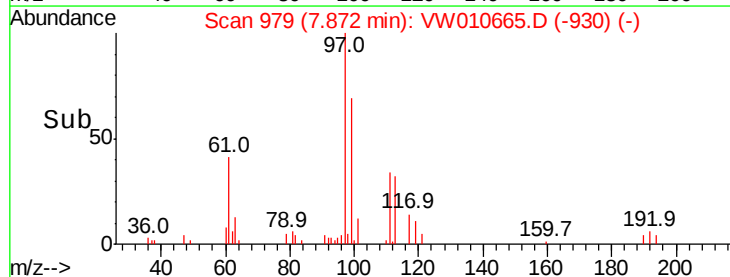
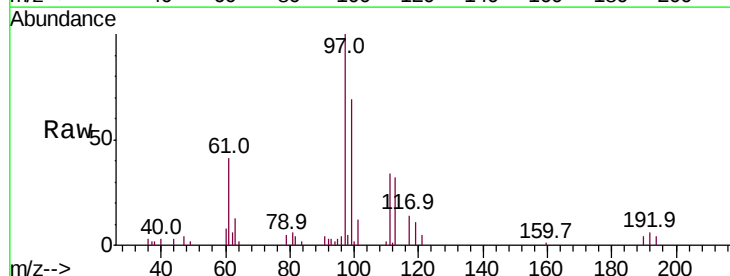
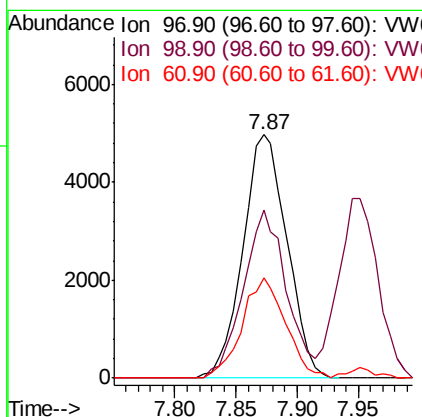
Manual Integrations  
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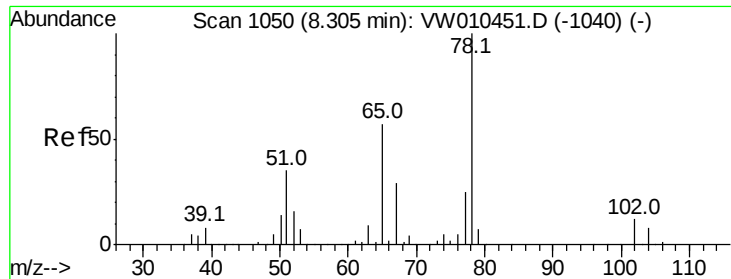
MMDadoda  
6/4/2019 12:13:06 PM



#32  
1,1,1-Trichloroethane  
Concen: 45.311 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 67.9  | 50.8  | 76.2  |
| 61      | 40.5  | 32.1  | 48.1  |





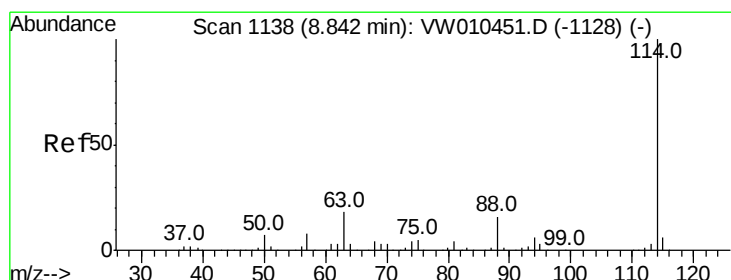
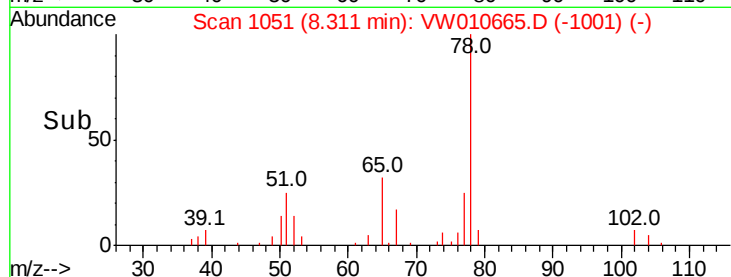
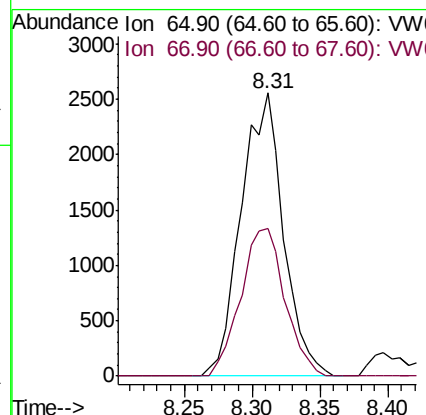
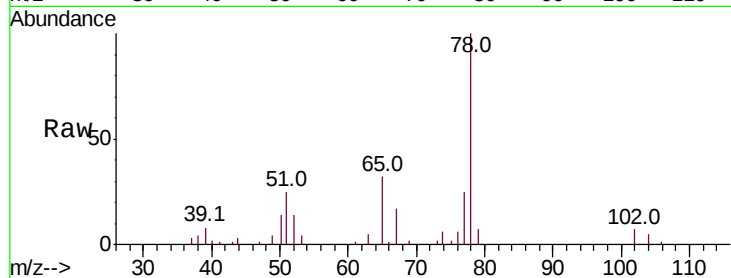
#33  
 1,2-Dichloroethane-d4  
 Concen: 37.744 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.01 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 54.5  | 0.0  | 103.6 |       |

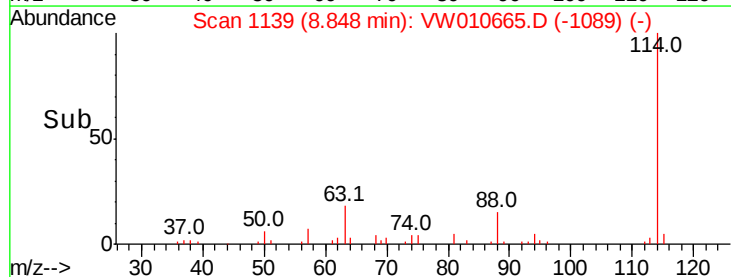
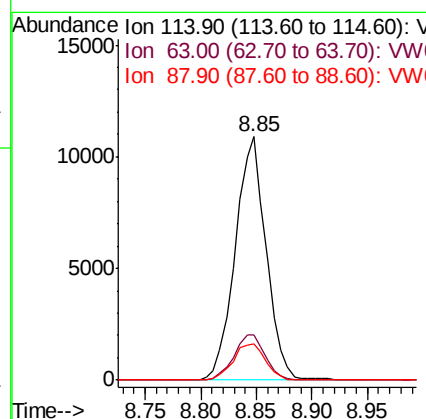
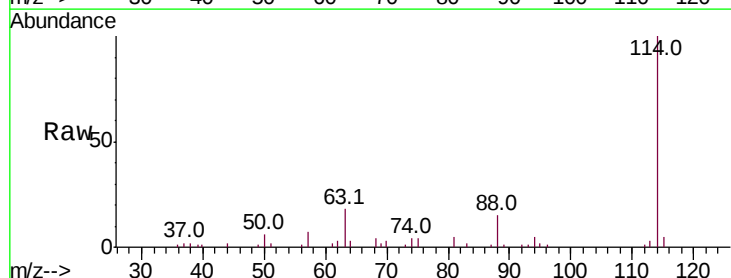
Manual Integrations  
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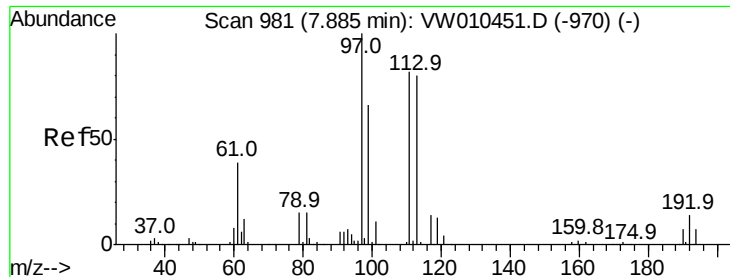
MMDadoda  
 6/4/2019 12:13:06 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 18.5  | 0.0  | 36.0  |       |
| 88      | 15.0  | 0.0  | 32.0  |       |





#35

Dibromofluoromethane

Concen: 44.039 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

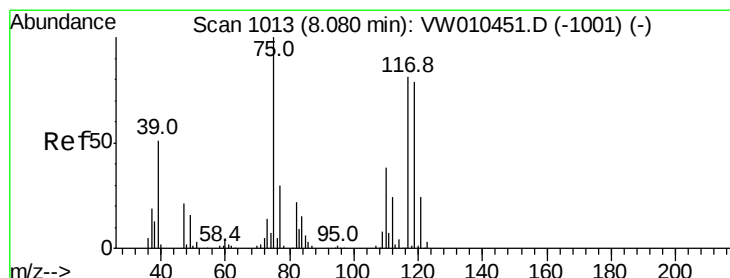
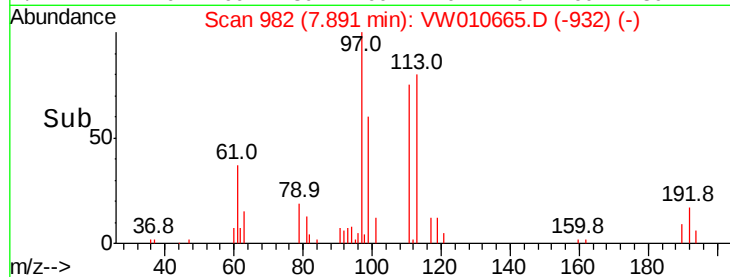
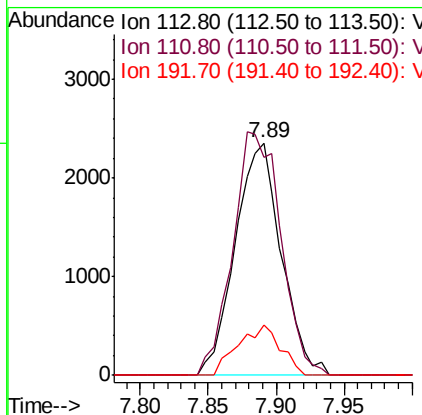
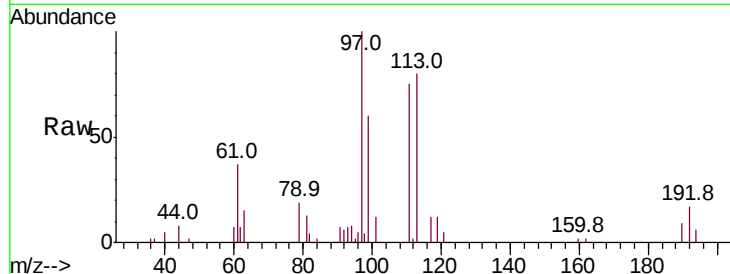
ClientSampleId :

FESB-23(3-3.5)MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 5587  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 108.9 | 82.2  | 123.4 |
| 192      | 19.8  | 14.3  | 21.5  |

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6/4/2019 12:13:06 PM



#36

1,1-Dichloropropene

Concen: 53.268 ug/l

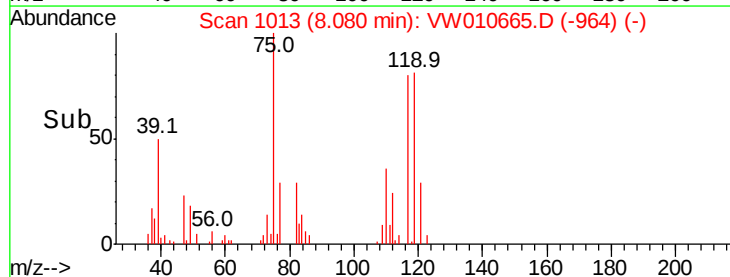
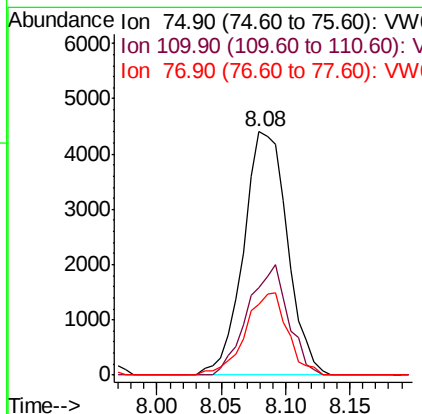
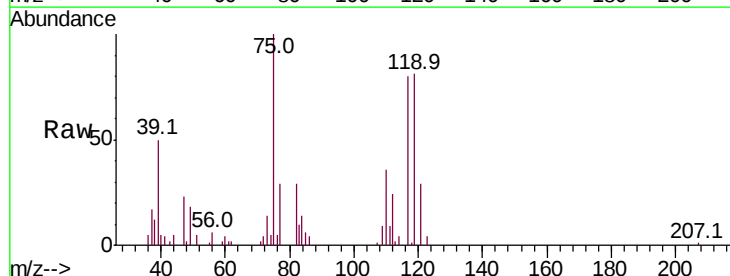
RT: 8.08 min Scan# 1013

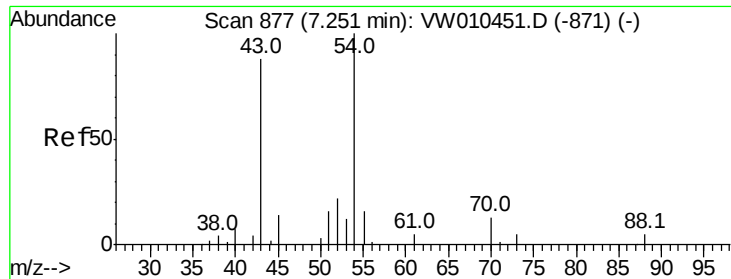
Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10375 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 41.9  | 19.2  | 57.6  |
| 77       | 32.3  | 25.2  | 37.8  |





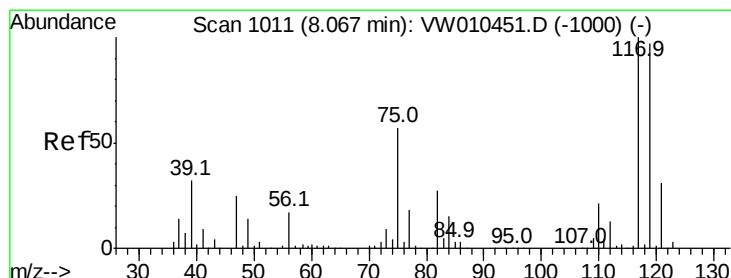
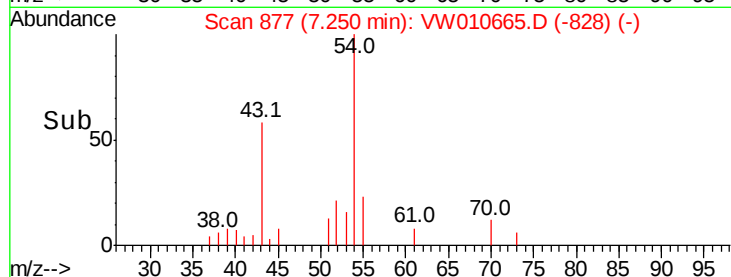
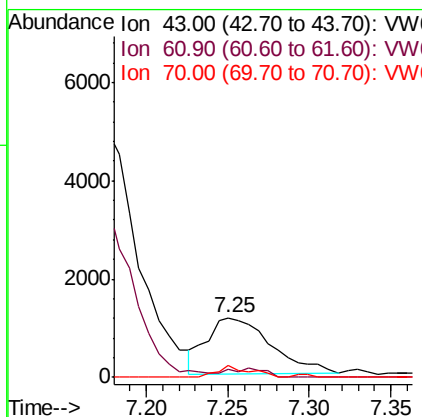
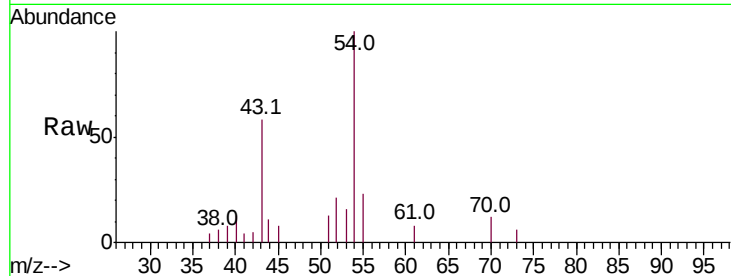
#37  
Ethyl Acetate  
Concen: 37.682 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 0.0   | 11.2  | 16.8# |
| 70      | 11.0  | 9.9   | 14.9  |

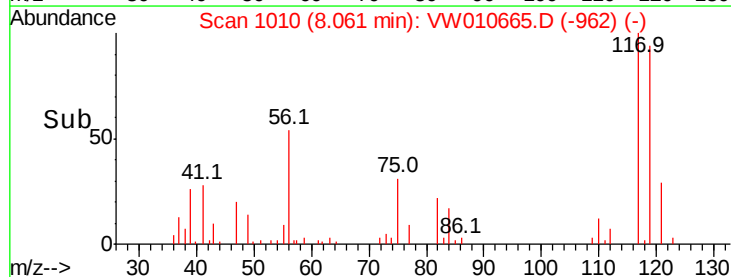
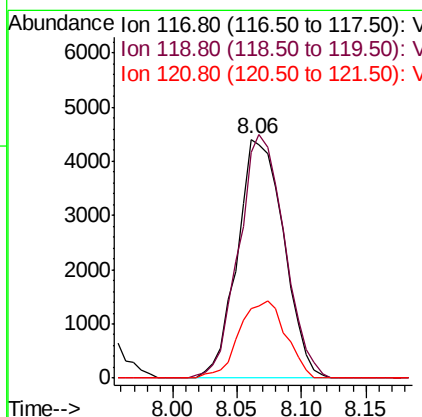
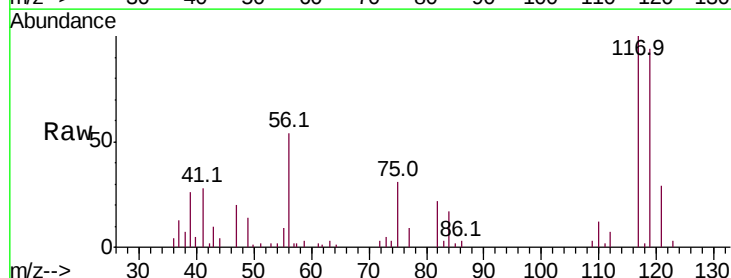
Manual Integrations  
APPROVED

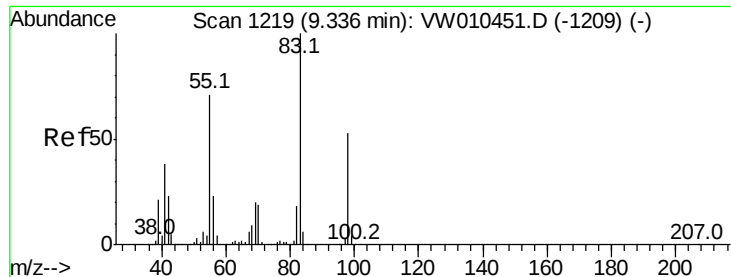
MMDadoda  
6/4/2019 12:13:06 PM



#38  
Carbon Tetrachloride  
Concen: 52.255 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.4  | 77.4  | 116.0 |
| 121     | 28.9  | 25.0  | 37.6  |





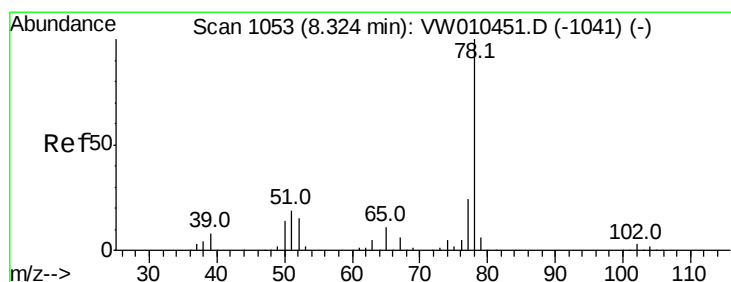
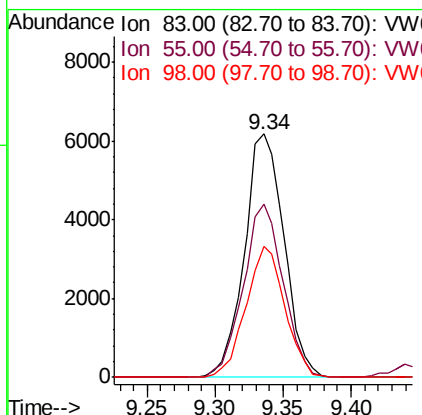
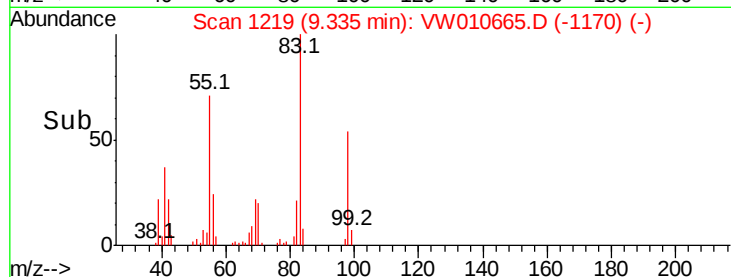
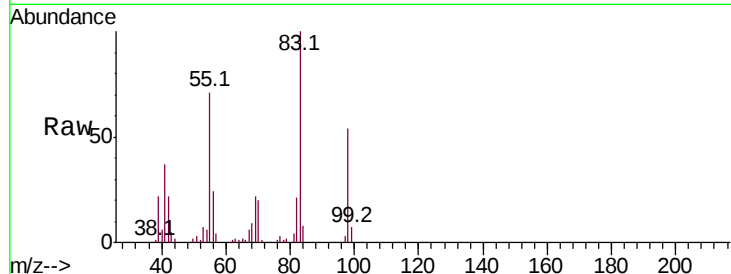
#39  
Methvlcvclohexane  
Concen: 48.329 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 71.2  | 57.0  | 85.6  |
| 98      | 53.6  | 42.0  | 63.0  |

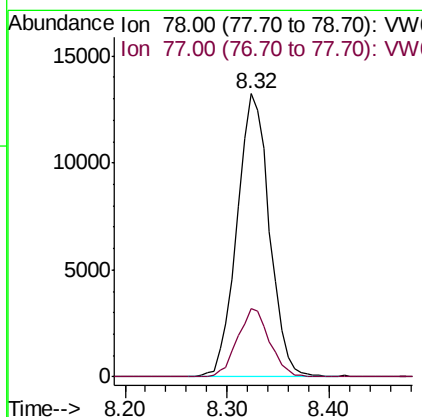
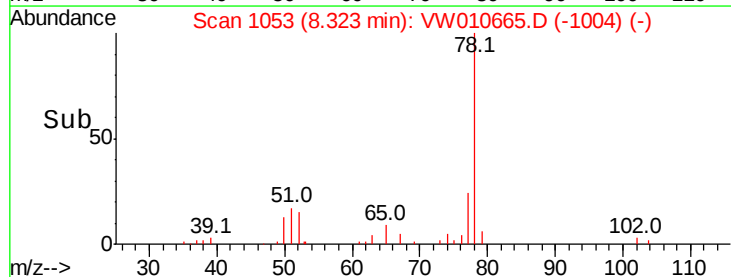
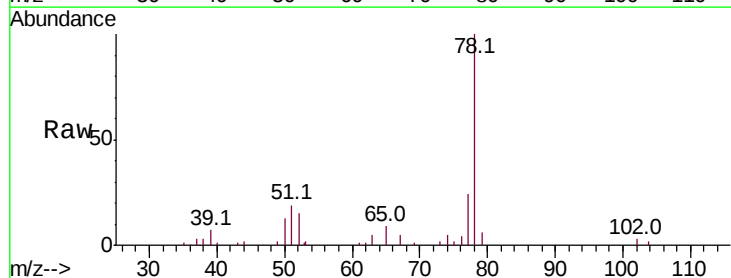
Manual Integrations  
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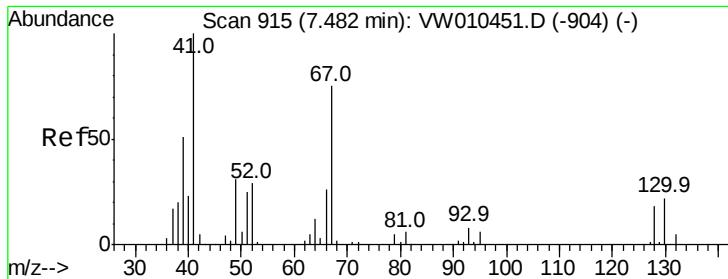
MMDadoda  
6/4/2019 12:13:06 PM



#40  
Benzene  
Concen: 53.864 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.1  | 18.9  | 28.3  |





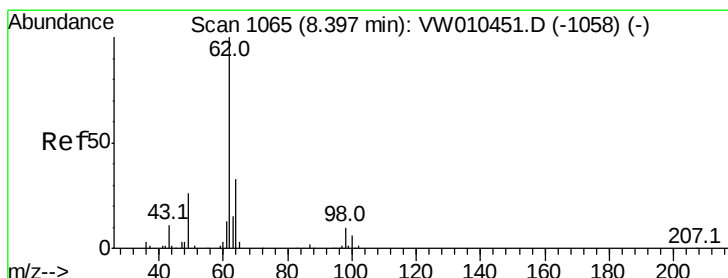
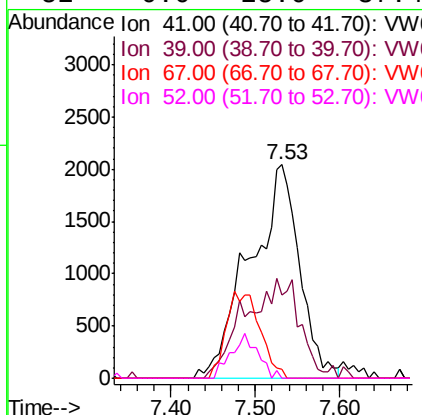
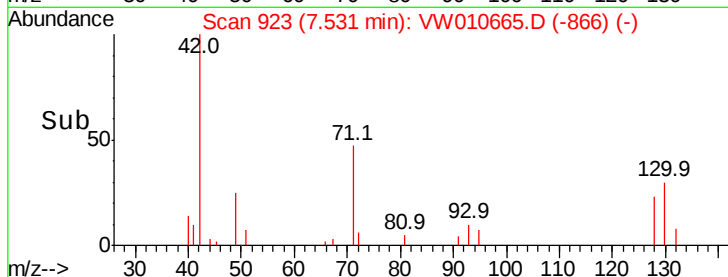
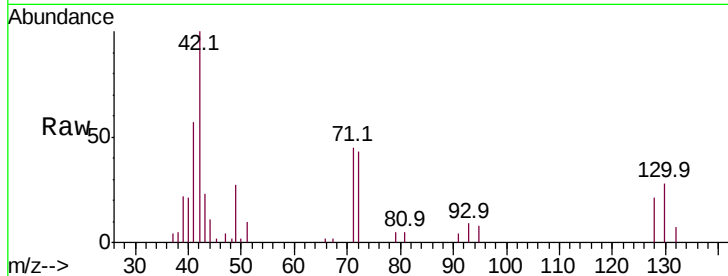
#41  
Methacrylonitrile  
Concen: 167.621 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.05 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 27.7  | 47.4  | 71.2# |
| 67      | 0.0   | 65.5  | 98.3# |
| 52      | 0.0   | 25.0  | 37.4# |

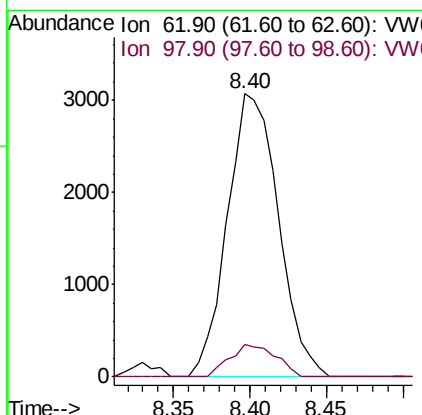
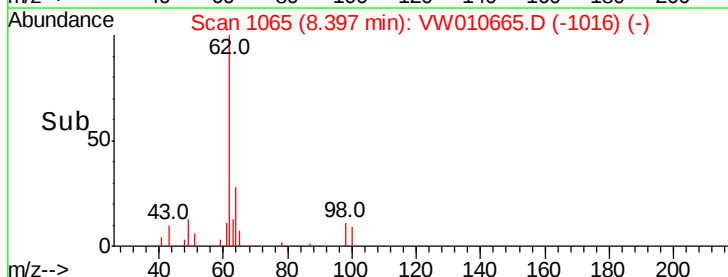
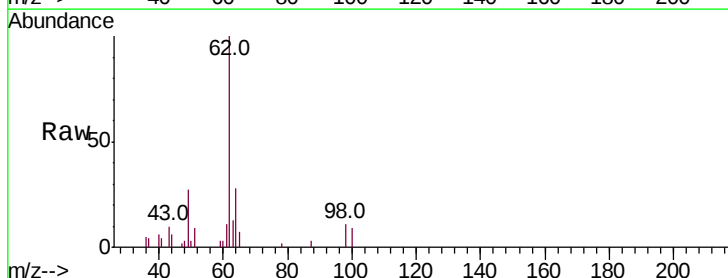
Manual Integrations  
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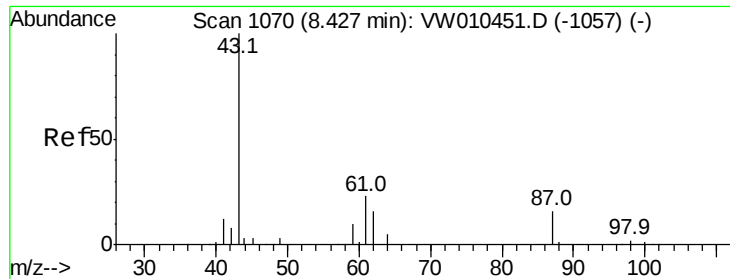
MMDadoda  
6/4/2019 12:13:06 PM



#42  
1,2-Dichloroethane  
Concen: 45.998 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.4  | 0.0   | 21.0  |





#43

Isopropyl Acetate

Concen: 41.126 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

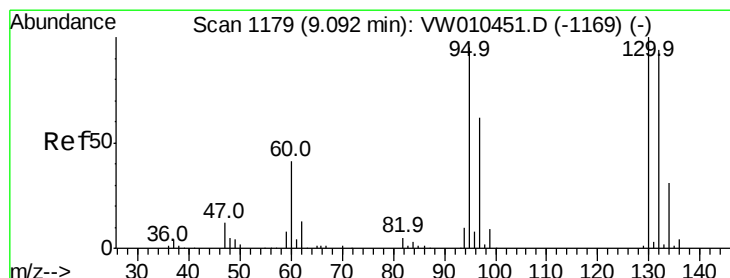
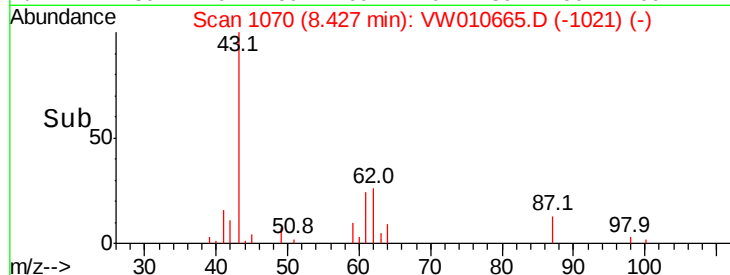
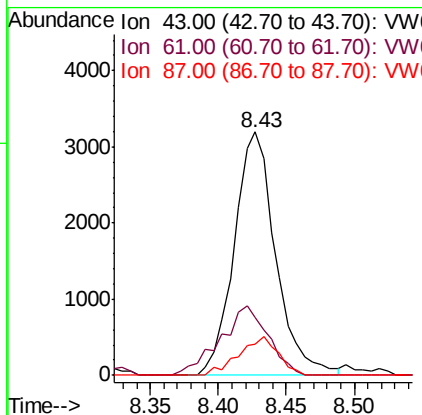
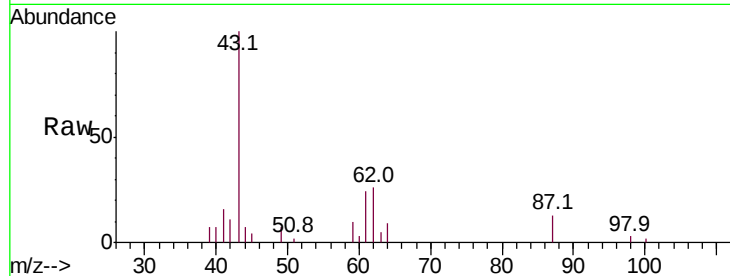
ClientSampleId :

FESB-23(3-3.5)MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 6805  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 32.8  | 25.4  | 38.2  |
| 87       | 15.0  | 12.7  | 19.1  |

Manual Integrations  
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#44

Trichloroethene

Concen: 54.102 ug/l

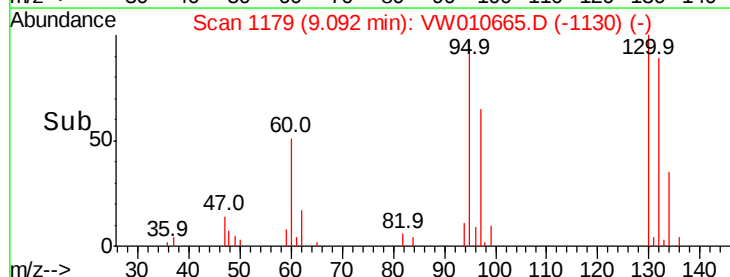
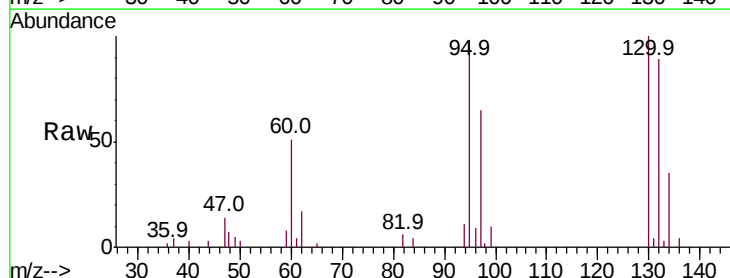
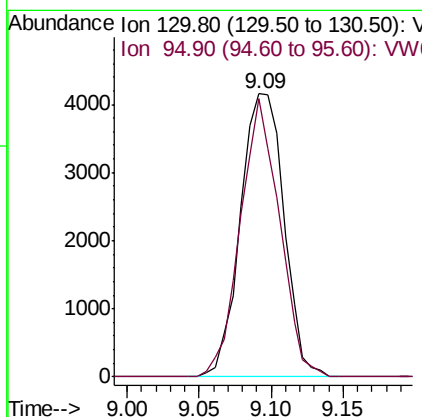
RT: 9.09 min Scan# 1179

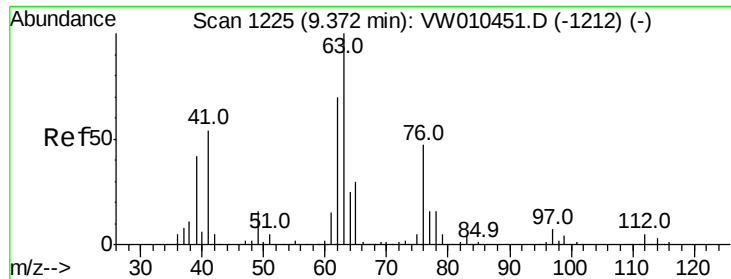
Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 8695  |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 98.2  | 0.0   | 189.6 |





#45

1,2-Dichloropropane

Concen: 46.481 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion: 63 Resp: 5976

Ion Ratio Lower Upper

63 100

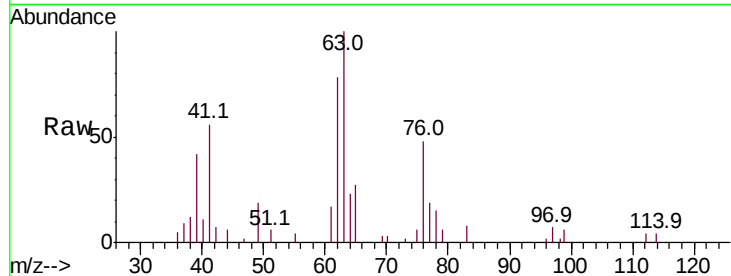
65 27.5 24.3 36.5

Manual Integrations

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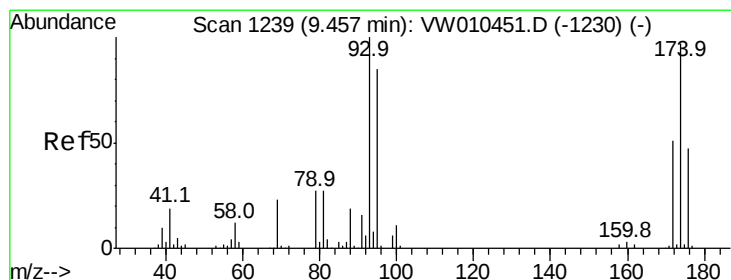
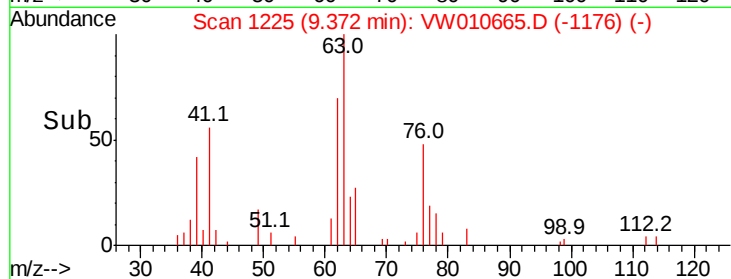
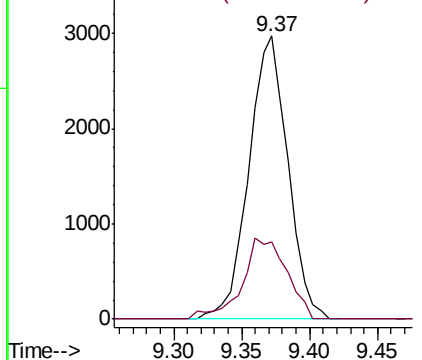
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 48.770 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

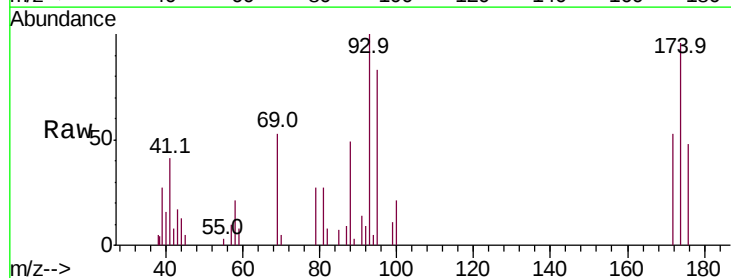
Tgt Ion: 93 Resp: 3667

Ion Ratio Lower Upper

93 100

95 86.4 66.1 99.1

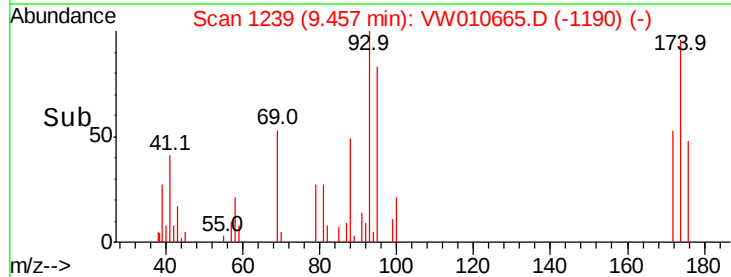
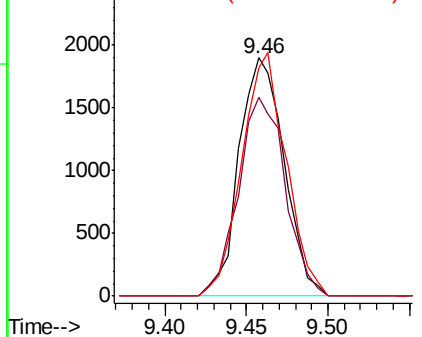
174 100.3 77.1 115.7

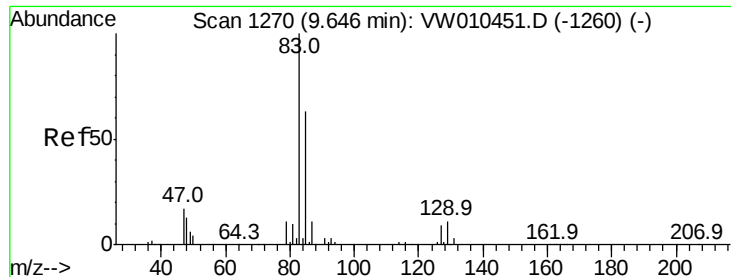


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 39.862 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

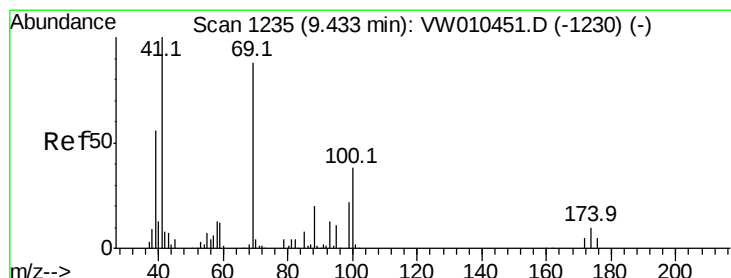
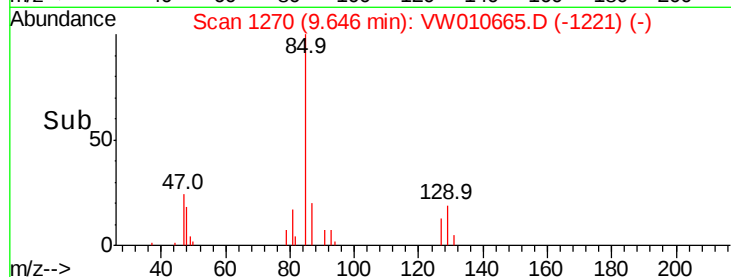
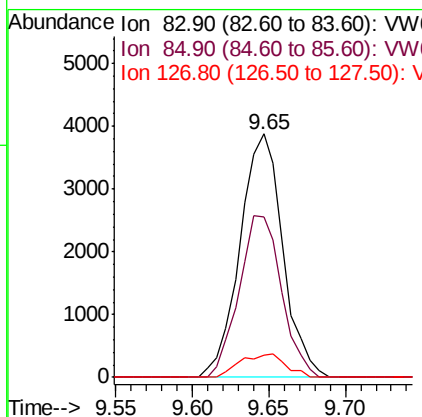
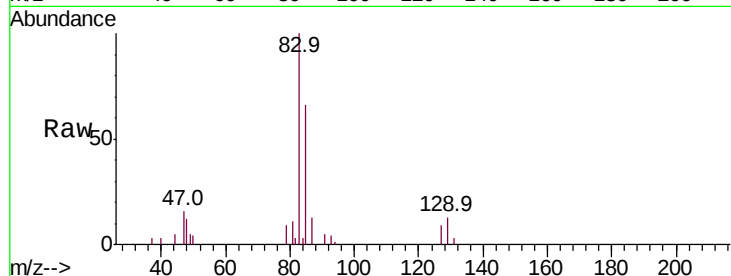
ClientSampleId :

FESB-23(3-3.5)MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 7532  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.1  | 50.4  | 75.6  |
| 127      | 8.9   | 7.4   | 11.0  |

Manual Integrations  
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6/4/2019 12:13:06 PM



#48

Methyl methacrylate

Concen: 70.332 ug/l

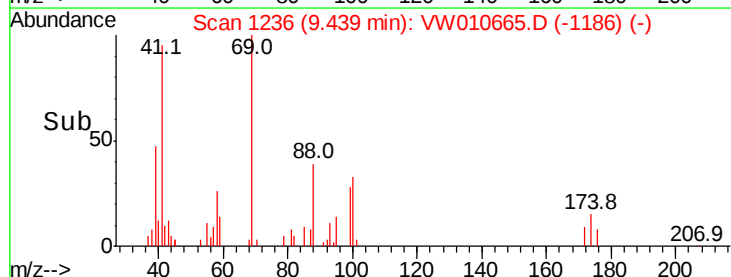
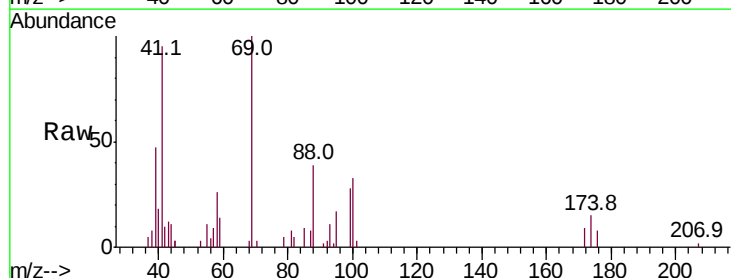
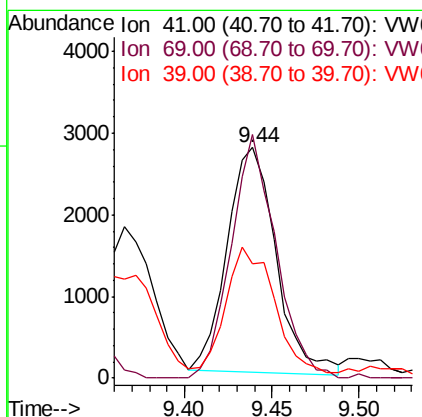
RT: 9.44 min Scan# 1236

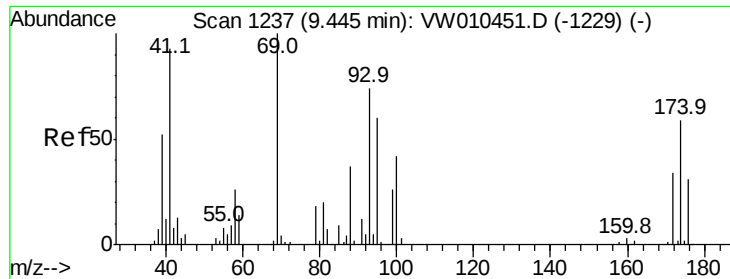
Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 5324  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 99.8  | 77.6  | 116.4 |
| 39       | 55.0  | 49.8  | 74.8  |





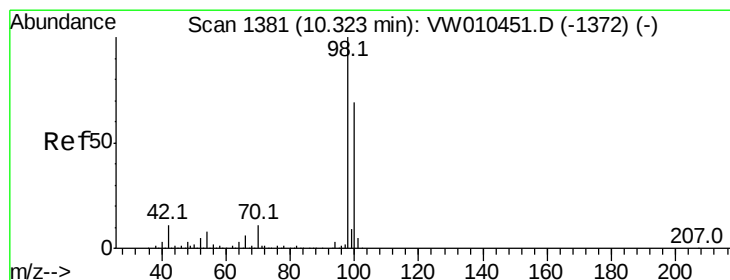
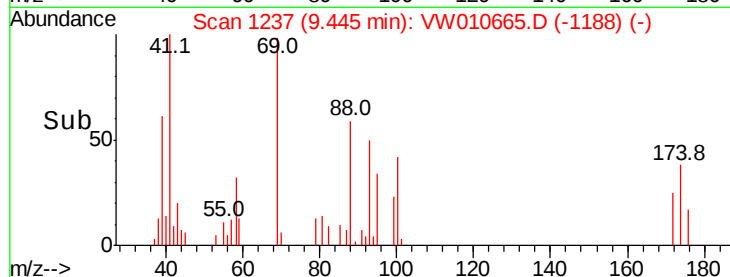
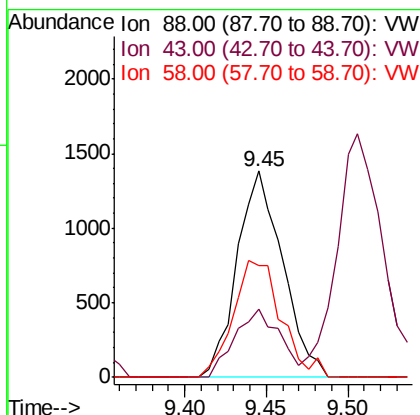
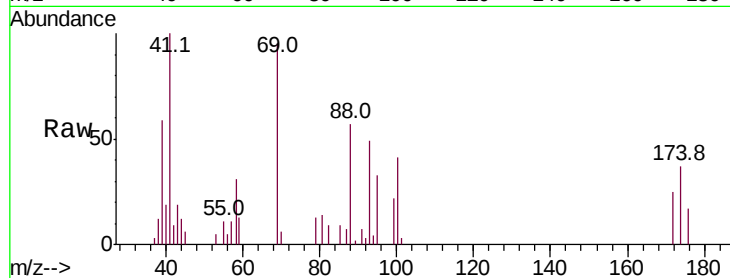
#49  
1,4-Dioxane  
Concen: 2185.181 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | 88    | Resp  | 2684  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 32.6  | 25.9  | 38.9  |
| 58      | 60.1  | 52.7  | 79.1  |

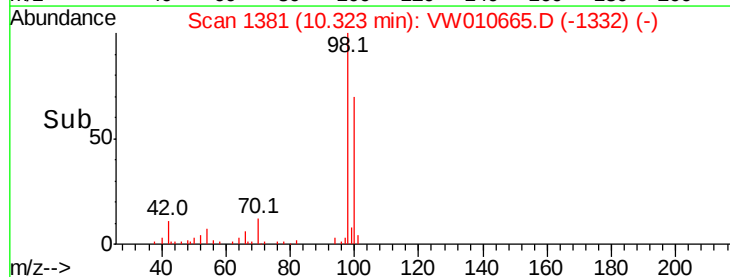
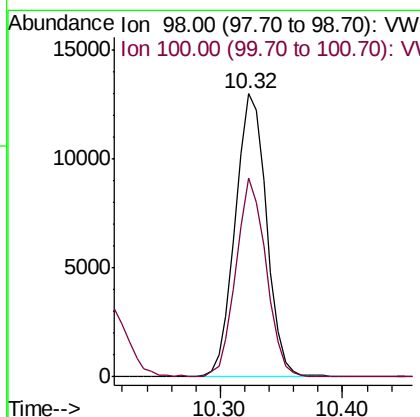
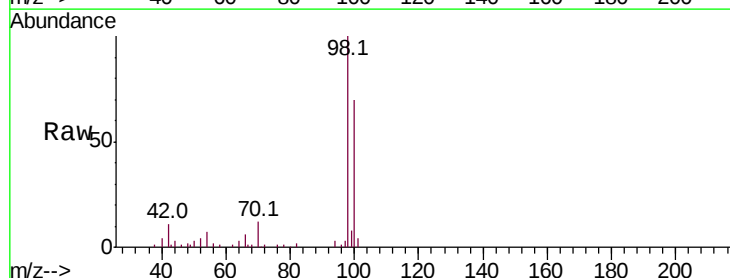
Manual Integrations  
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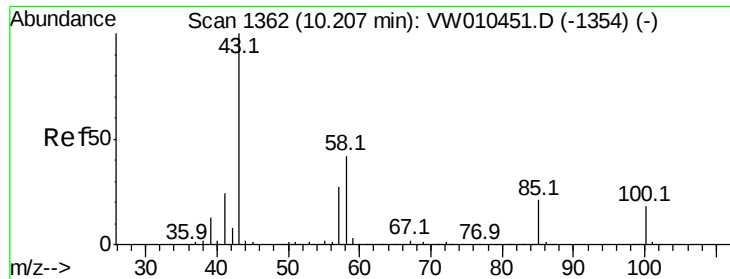
MMDadoda  
6/4/2019 12:13:06 PM



#50  
Toluene-d8  
Concen: 47.489 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | 98    | Resp  | 23016 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 98      | 100   |       |       |
| 100     | 67.5  | 53.7  | 80.5  |





#51

4-Methyl-2-Pentanone

Concen: 328.474 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion: 43 Resp: 27541

Ion Ratio Lower Upper

43 100

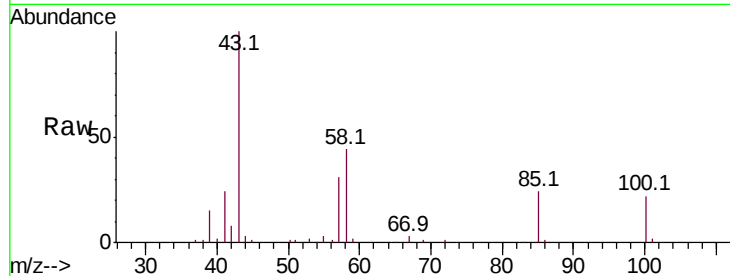
58 41.8 33.2 49.8

Manual Integrations

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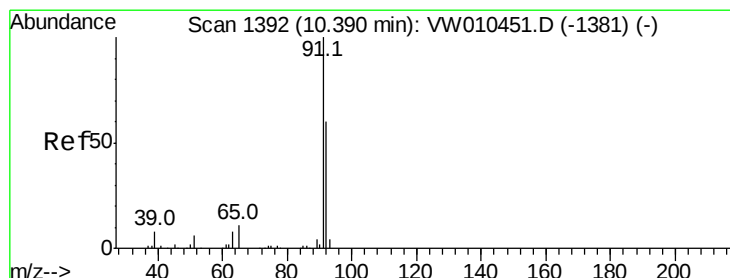
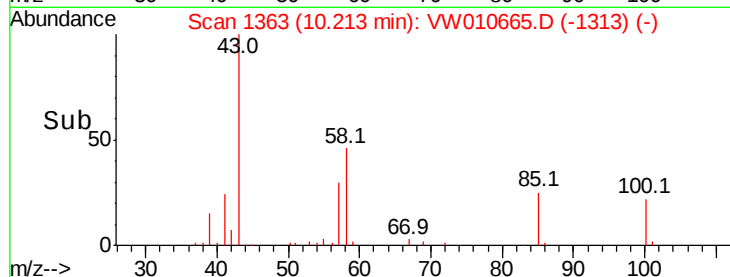
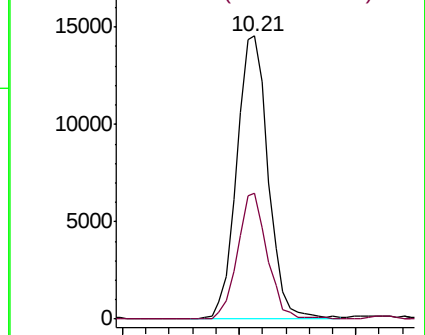
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 63.883 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010665.D

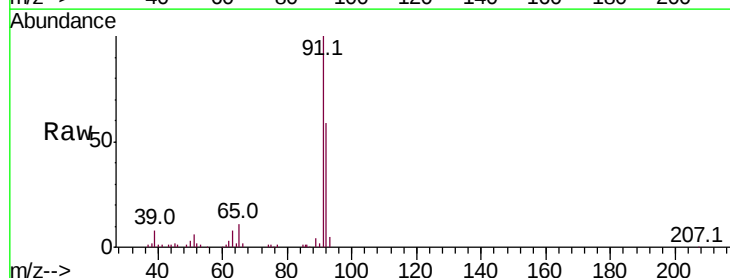
Acq: 03 Jun 2019 17:49

Tgt Ion: 92 Resp: 23225

Ion Ratio Lower Upper

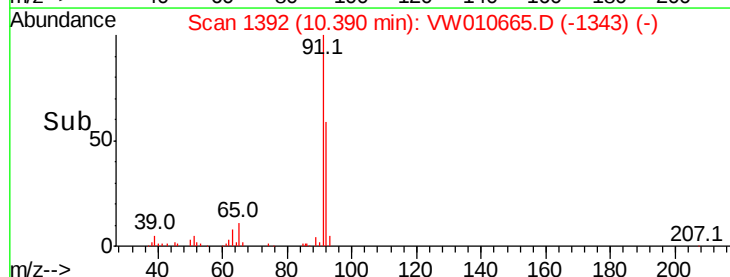
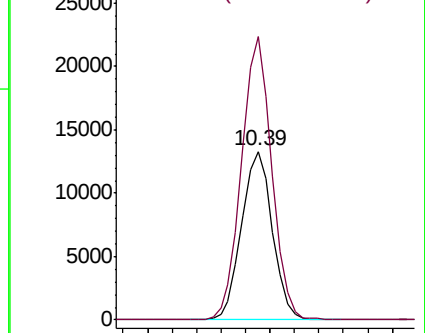
92 100

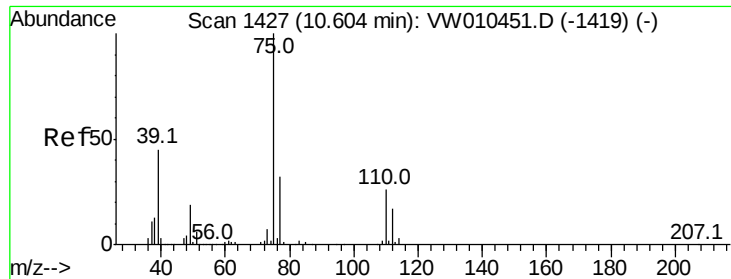
91 165.0 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





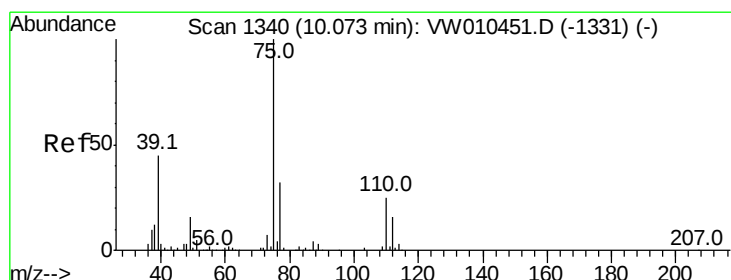
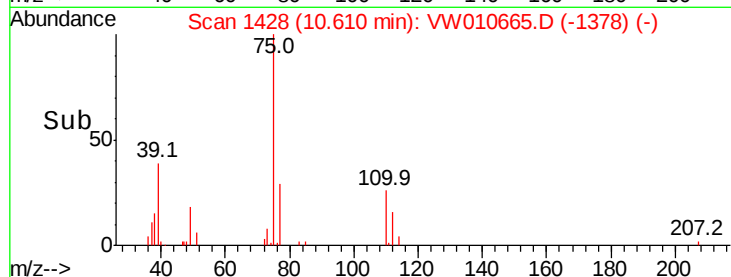
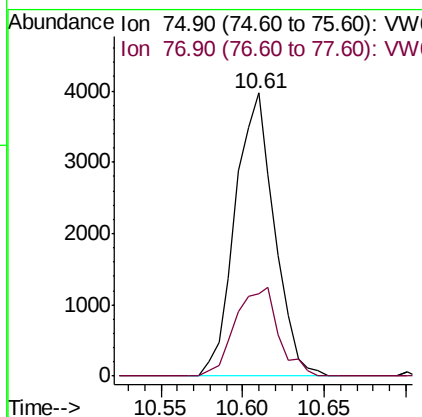
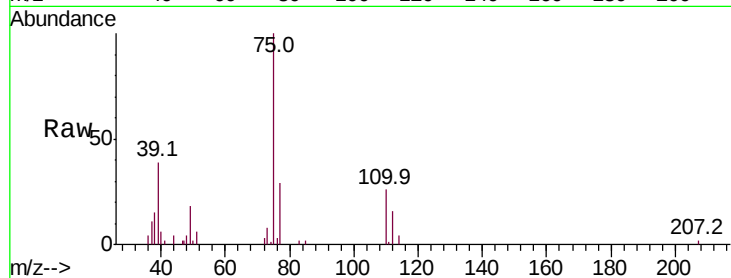
#53  
 t-1,3-Dichloropropene  
 Concen: 34.750 ug/l  
 RT: 10.61 min Scan# 1428  
 Delta R.T. 0.01 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

Tot Ion: 75 Resp: 6650  
 Ion Ratio Lower Upper  
 75 100  
 77 29.1 25.4 38.0

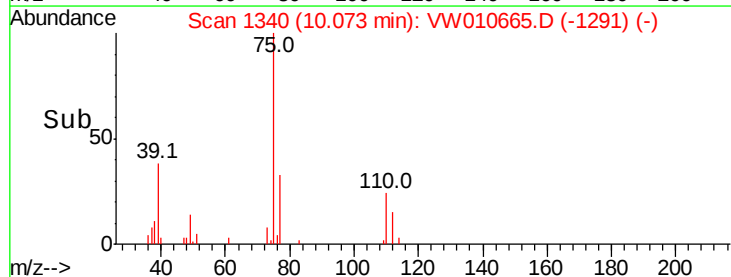
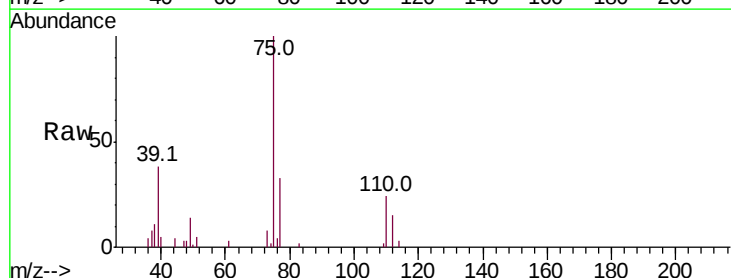
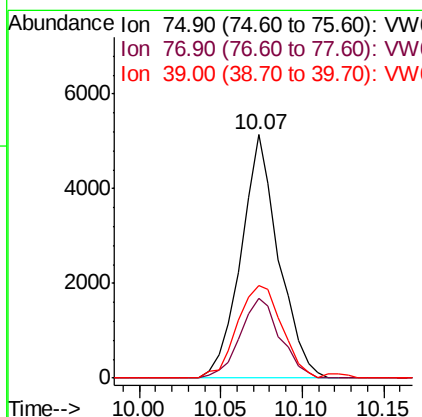
Manual Integrations  
 APPROVED

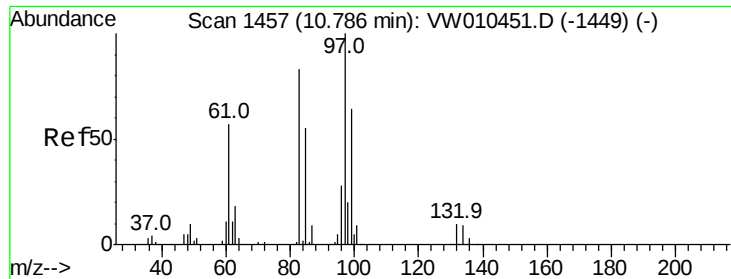
MMDadoda  
 6/4/2019 12:13:06 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 37.790 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Tgt Ion: 75 Resp: 8259  
 Ion Ratio Lower Upper  
 75 100  
 77 32.7 25.7 38.5  
 39 38.1 36.2 54.4





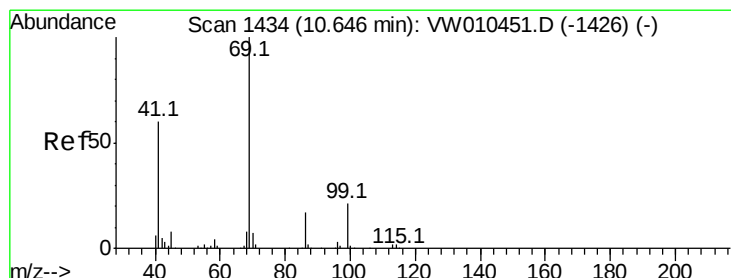
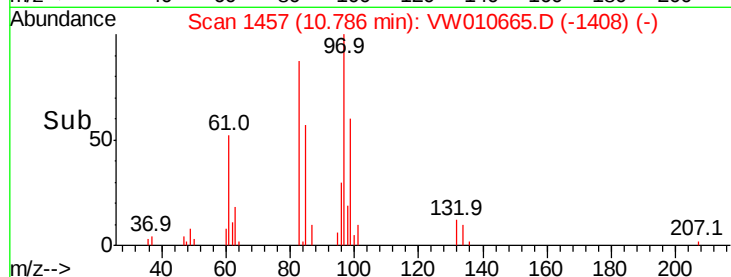
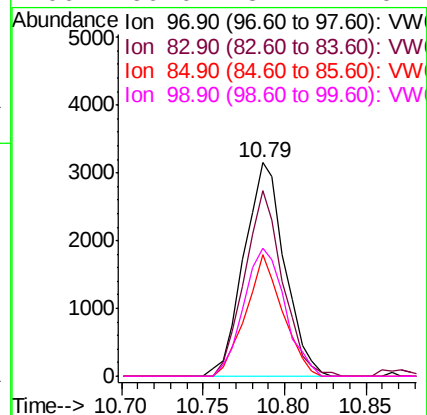
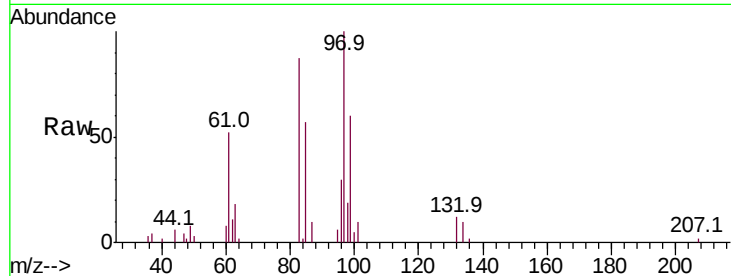
#55  
 1,1,2-Trichloroethane  
 Concen: 50.710 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 5483  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.1  | 66.1  | 99.1  |
| 85       | 56.9  | 44.2  | 66.4  |
| 99       | 60.0  | 51.1  | 76.7  |

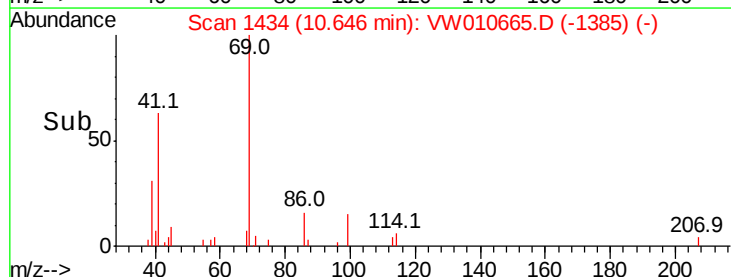
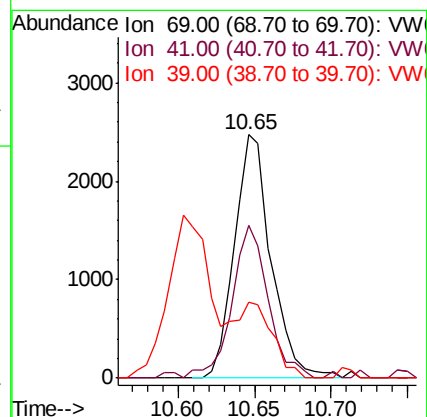
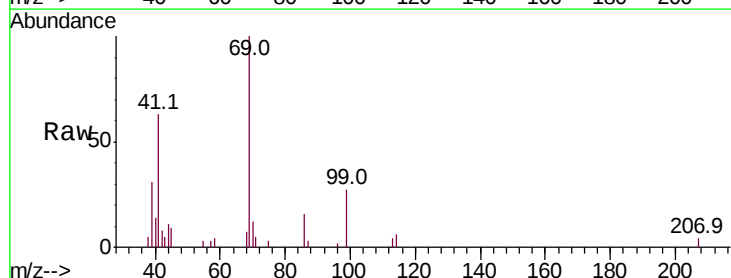
Manual Integrations  
 APPROVED

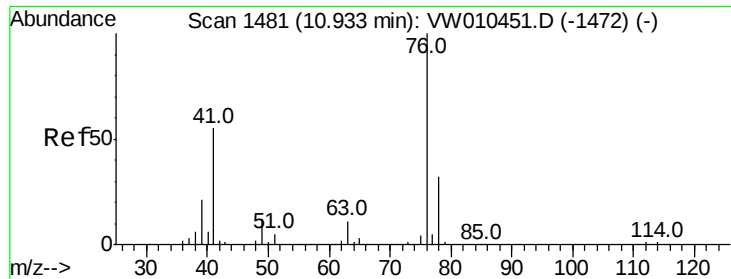
MMDadoda  
 6/4/2019 12:13:06 PM



#56  
 Ethyl methacrylate  
 Concen: 27.488 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 4099  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 62.0  | 47.7  | 71.5  |
| 39       | 28.8  | 25.3  | 37.9  |





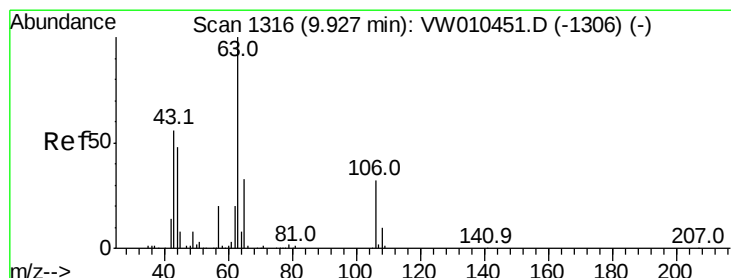
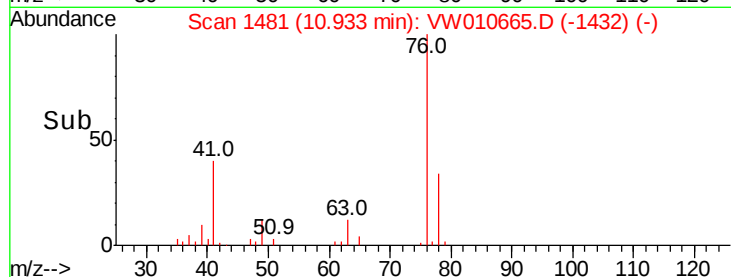
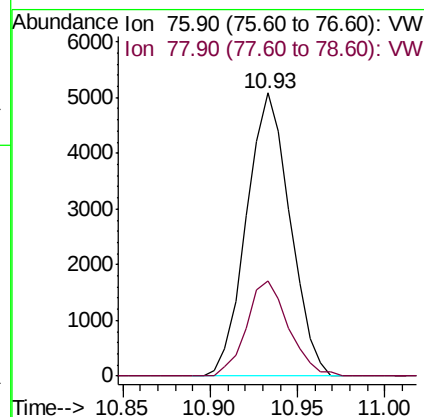
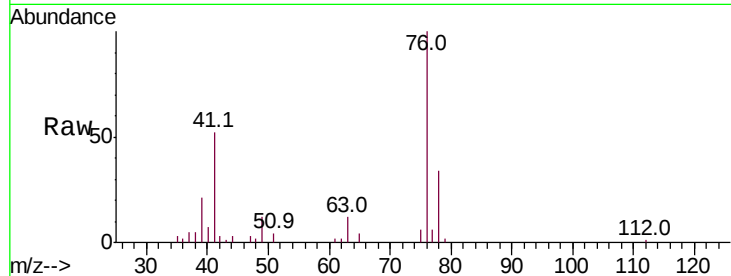
#57  
 1,3-Dichloropropane  
 Concen: 48.732 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

Tot Ion: 76 Resp: 8826  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 26.2 39.2

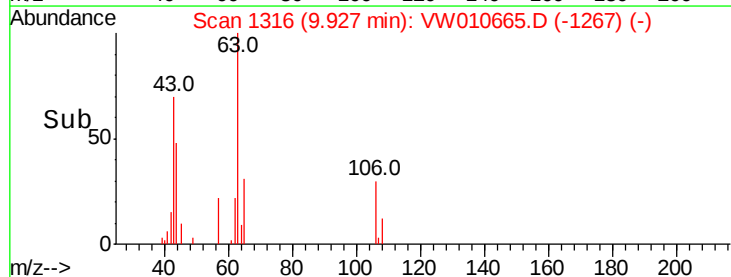
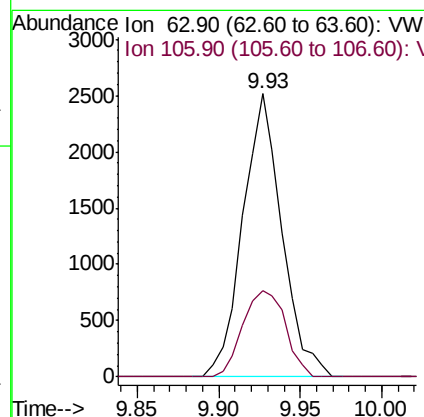
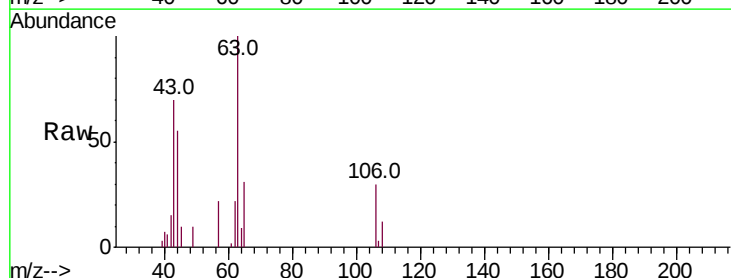
Manual Integrations  
 APPROVED

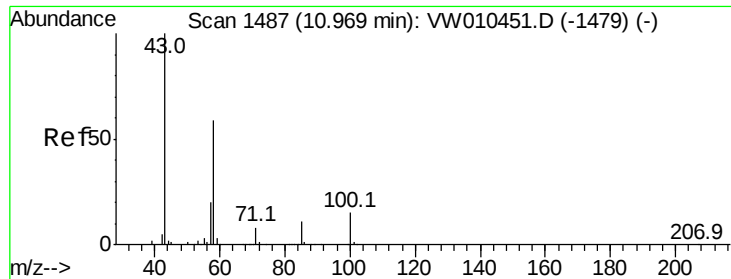
MMDadoda  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 63.528 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Tgt Ion: 63 Resp: 4196  
 Ion Ratio Lower Upper  
 63 100  
 106 33.1 25.8 38.6





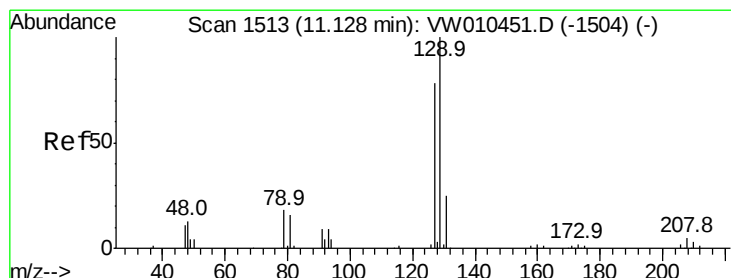
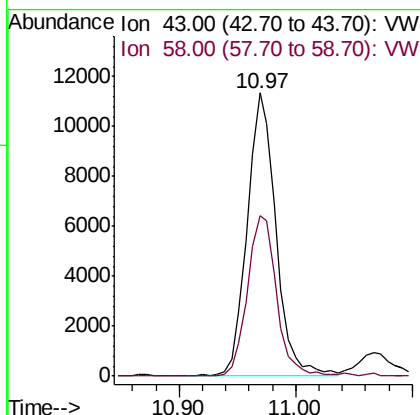
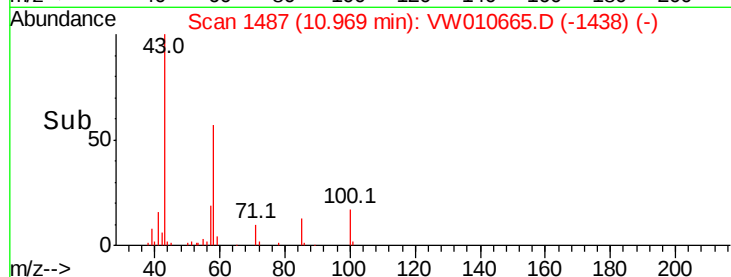
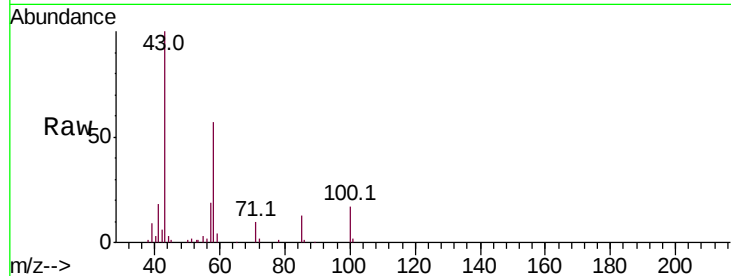
#59  
2-Hexanone  
Concen: 327.098 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 57.5  | 28.9  | 86.8  |

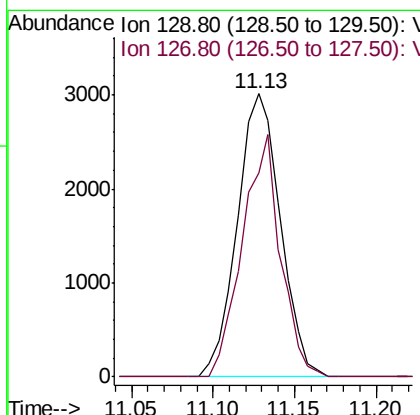
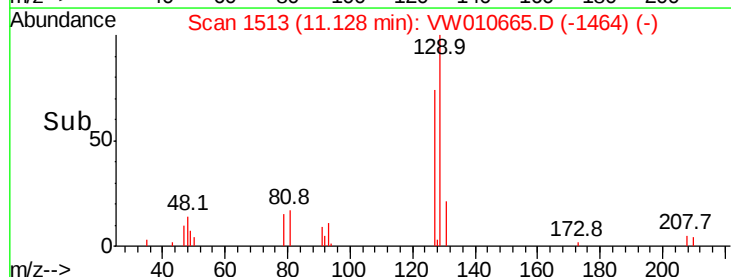
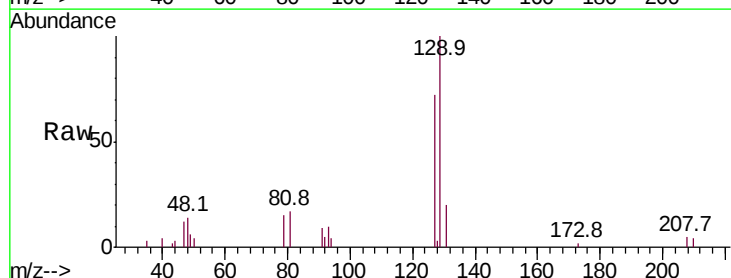
Manual Integrations  
APPROVED

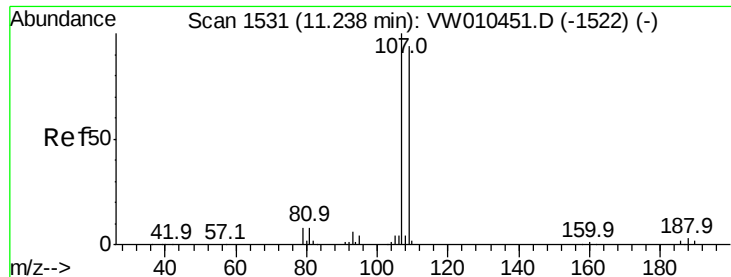
MMDadoda  
6/4/2019 12:13:06 PM



#60  
Dibromochloromethane  
Concen: 40.594 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 75.6  | 38.9  | 116.7 |





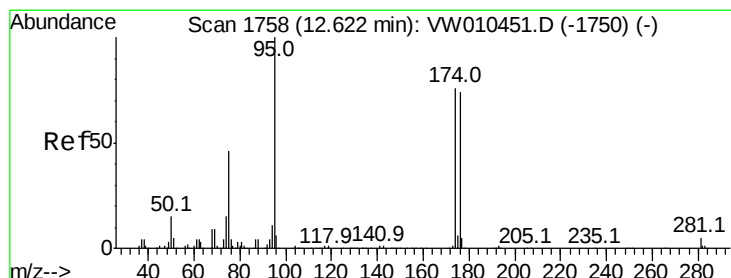
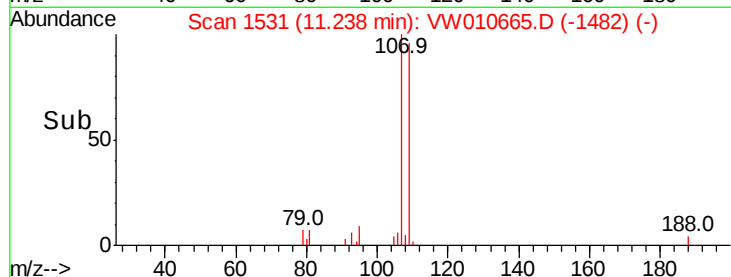
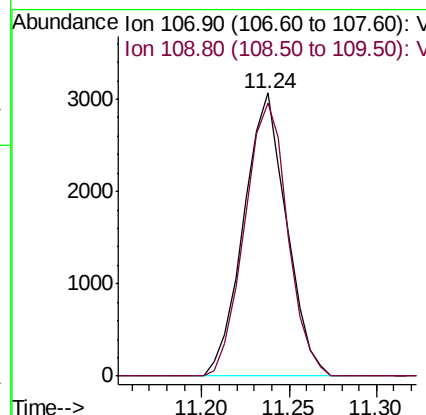
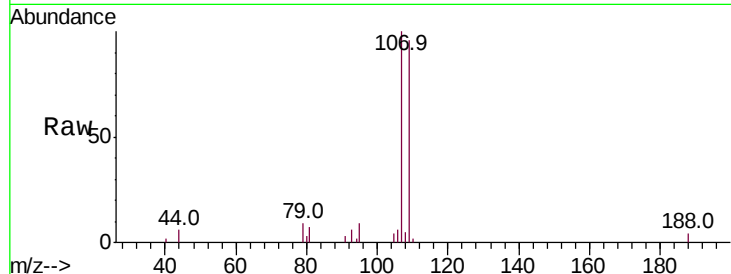
#61  
 1,2-Dibromoethane  
 Concen: 47.686 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 97.0  | 75.0  | 112.4 |

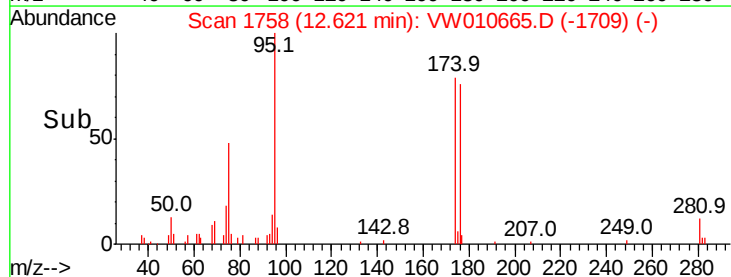
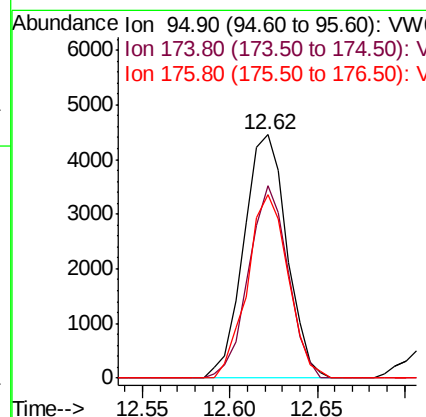
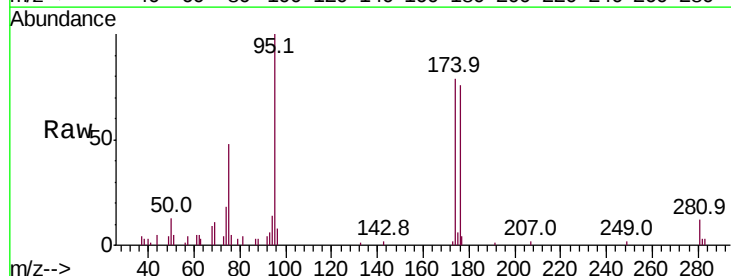
Manual Integrations  
 APPROVED

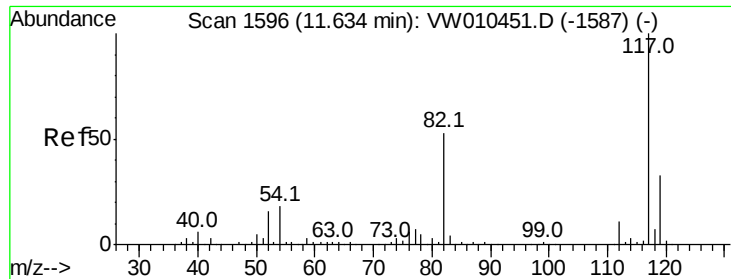
MMDadoda  
 6/4/2019 12:13:06 PM



#62  
 4-Bromofluorobenzene  
 Concen: 39.561 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 72.1  | 0.0   | 148.6 |
| 176     | 71.3  | 0.0   | 144.2 |





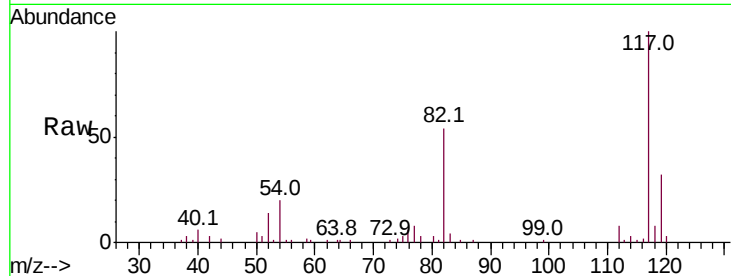
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.0  | 42.8  | 64.2  |
| 119     | 32.1  | 26.3  | 39.5  |

Manual Integrations  
APPROVED

MMDadoda  
6/4/2019 12:13:06 PM

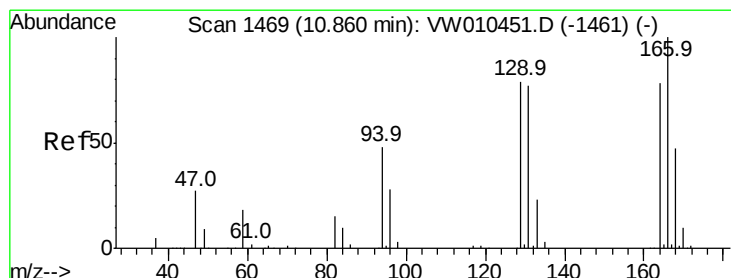
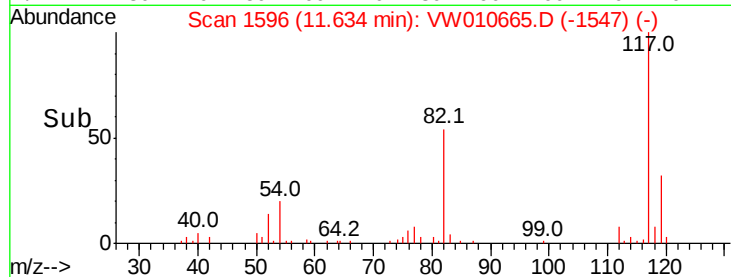
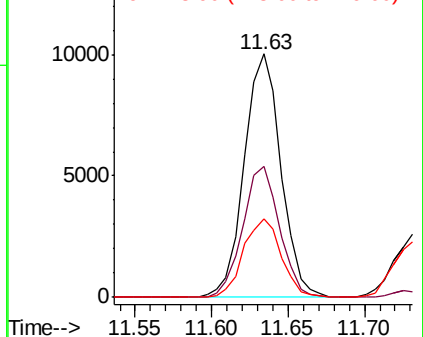


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 59.912 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 121.0 | 101.9 | 152.9 |
| 129     | 86.8  | 80.6  | 121.0 |
| 131     | 84.1  | 78.2  | 117.2 |

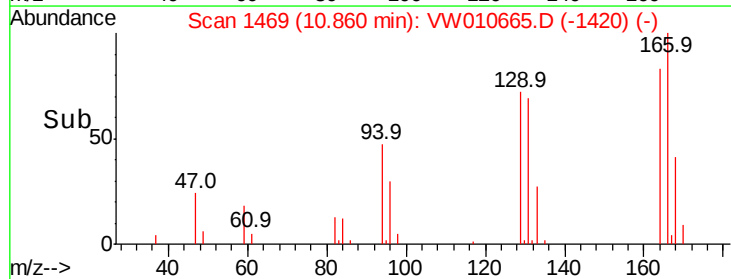
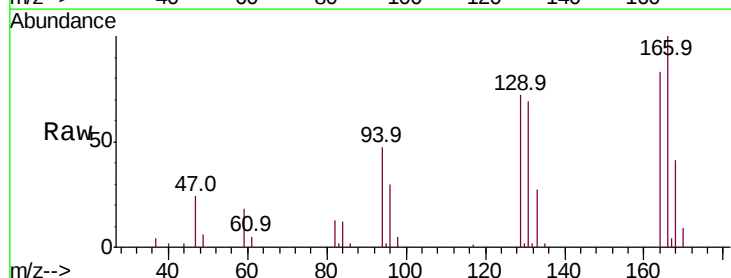
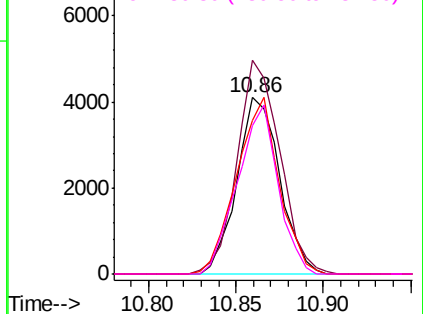
Abundance

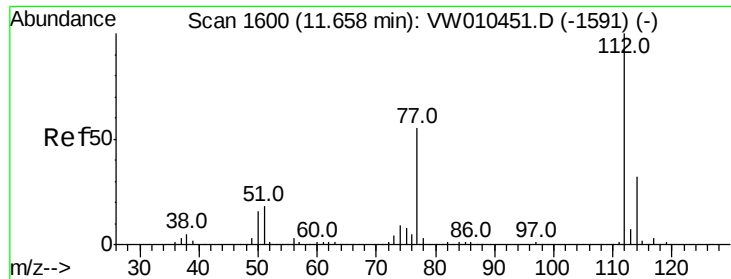
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





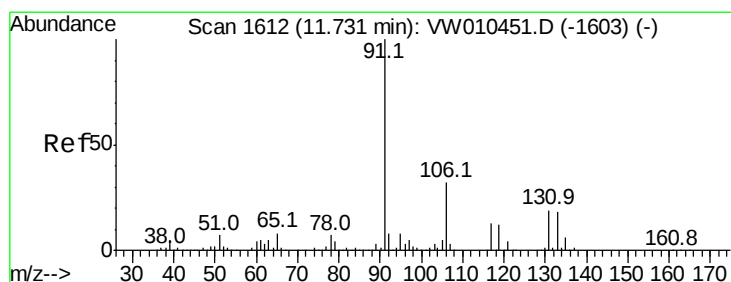
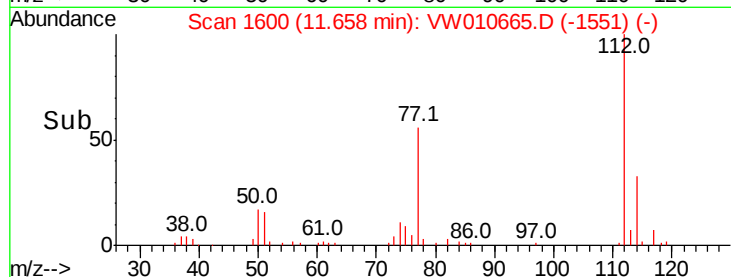
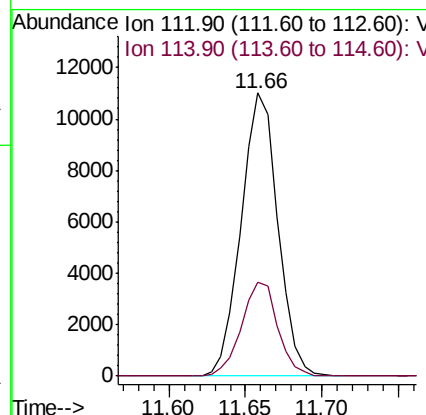
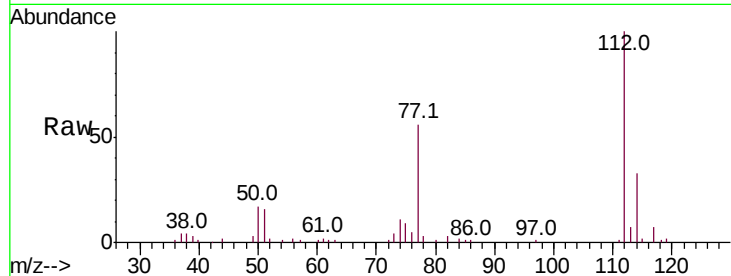
#65  
Chlorobenzene  
Concen: 51.457 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

Tot Ion:112 Resp: 18323  
Ion Ratio Lower Upper  
112 100  
114 33.1 25.3 37.9

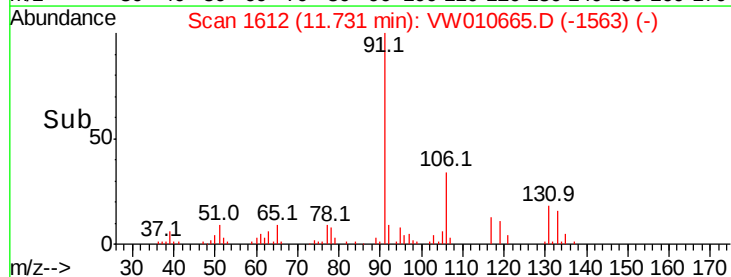
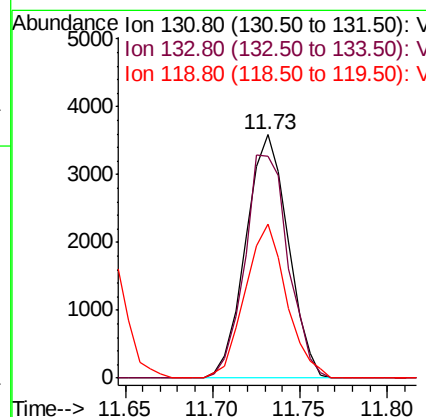
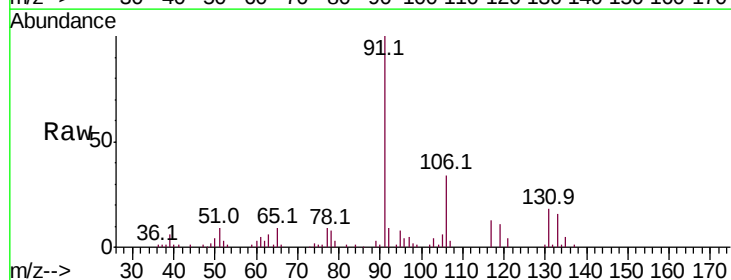
Manual Integrations  
APPROVED

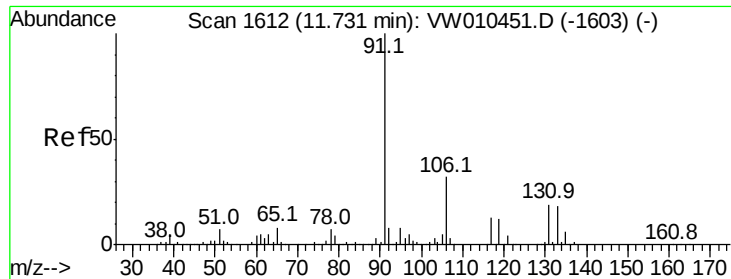
MMDadoda  
6/4/2019 12:13:06 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.602 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Tgt Ion:131 Resp: 6072  
Ion Ratio Lower Upper  
131 100  
133 93.9 47.3 141.9  
119 62.2 32.1 96.5





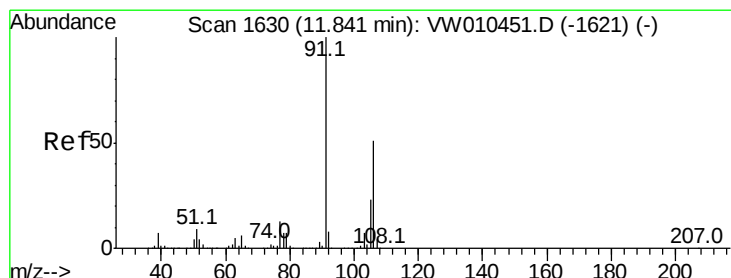
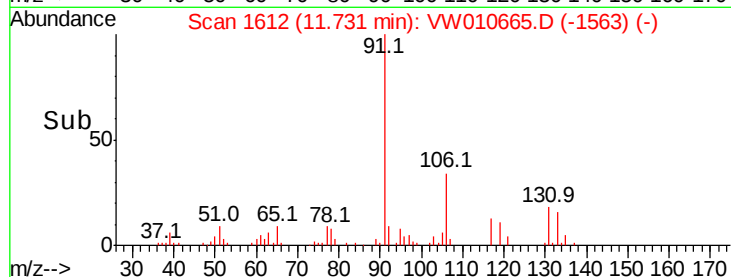
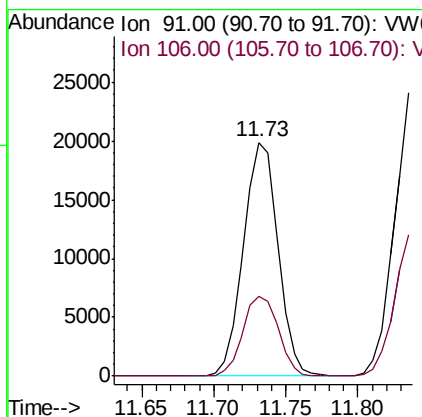
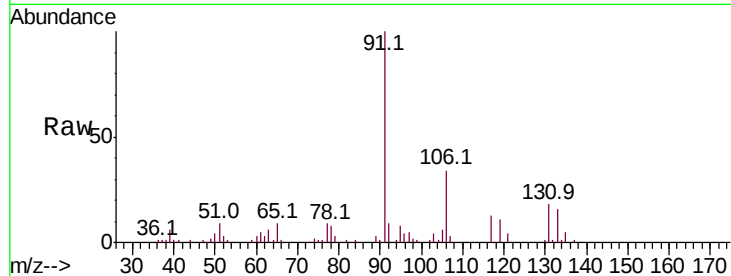
#67  
Ethyl Benzene  
Concen: 52.619 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 91      | 100  |       |       |       |       |
| 106     | 34.4 | 25.9  | 33081 |       | 38.9  |

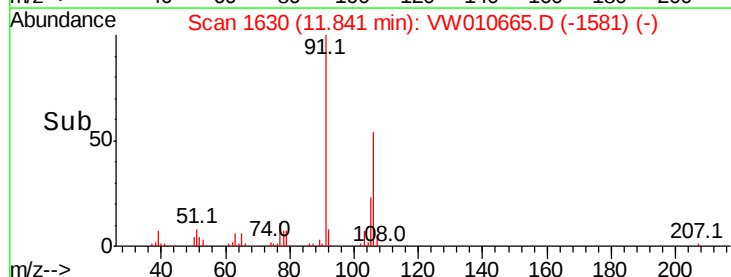
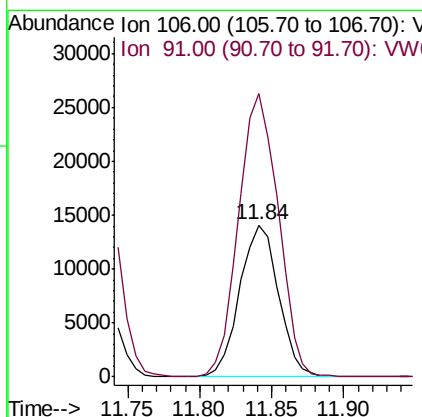
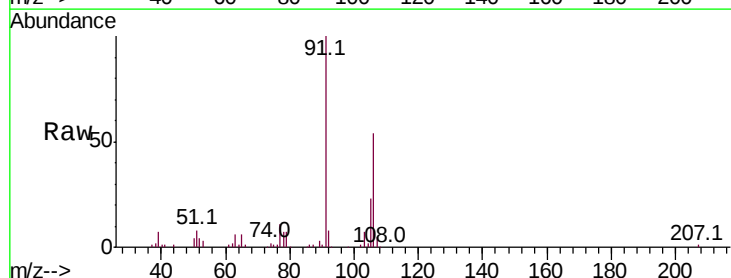
Manual Integrations  
APPROVED

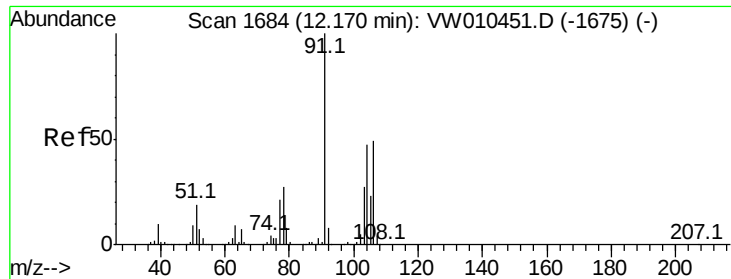
MMDadoda  
6/4/2019 12:13:06 PM



#68  
m/p-Xylenes  
Concen: 106.813 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |       |
| 91      | 191.4 | 156.0 | 26339 |       | 234.0 |





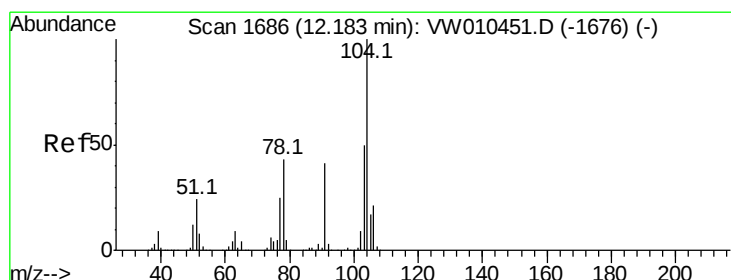
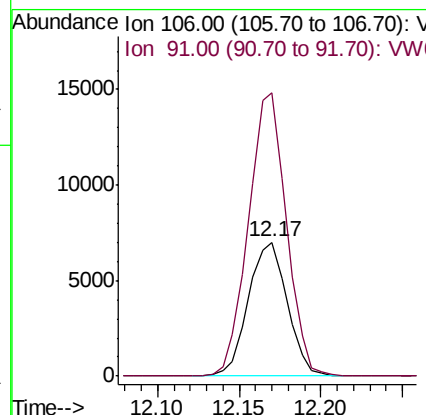
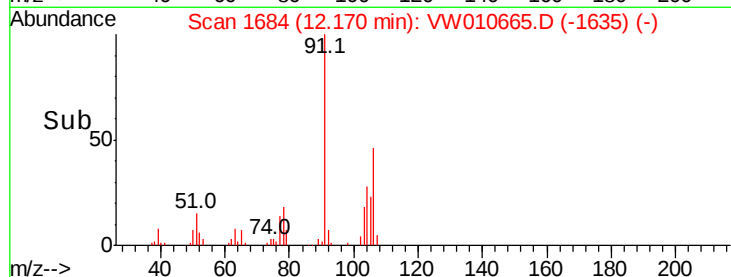
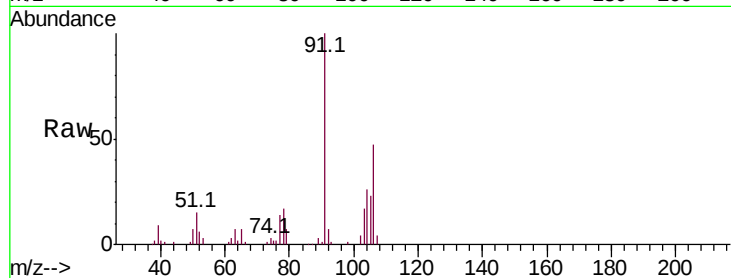
#69  
o-Xylene  
Concen: 49.998 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

Tot Ion:106 Resp: 11681  
Ion Ratio Lower Upper  
106 100  
91 205.7 103.2 309.4

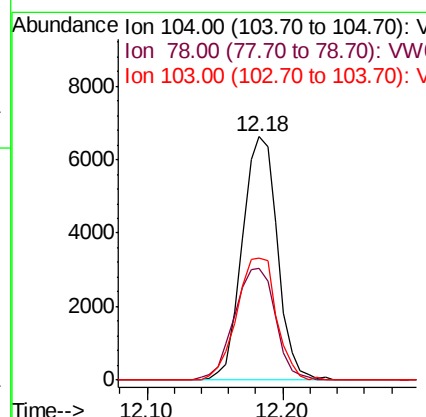
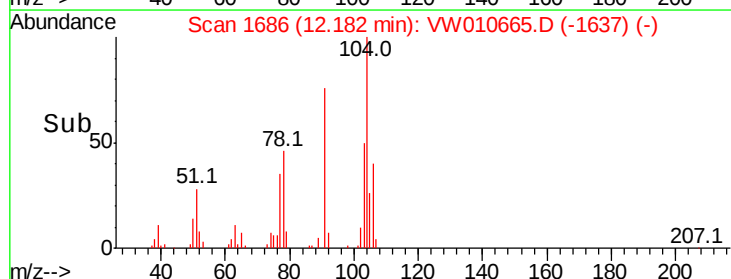
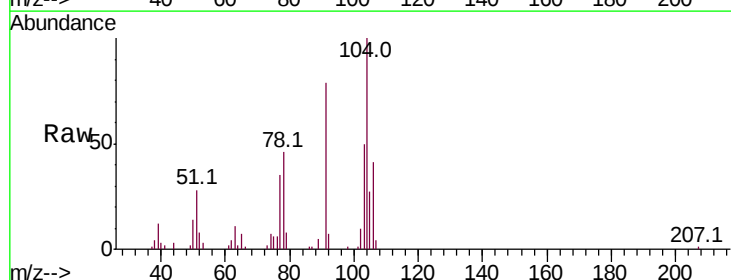
Manual Integrations  
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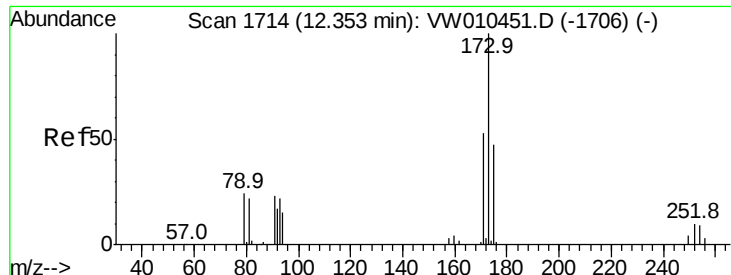
MMDadoda  
6/4/2019 12:13:06 PM



#70  
Styrene  
Concen: 30.186 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Tgt Ion:104 Resp: 11966  
Ion Ratio Lower Upper  
104 100  
78 53.6 39.0 58.4  
103 56.6 43.0 64.6





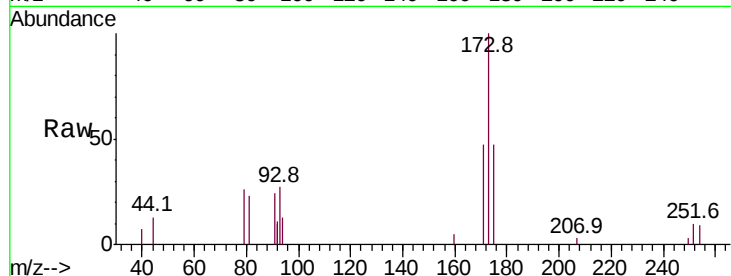
#71  
Bromoform  
Concen: 45.769 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. -0.01 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.6  | 24.4  | 73.4  |
| 254     | 0.0   | 0.0   | 0.0   |

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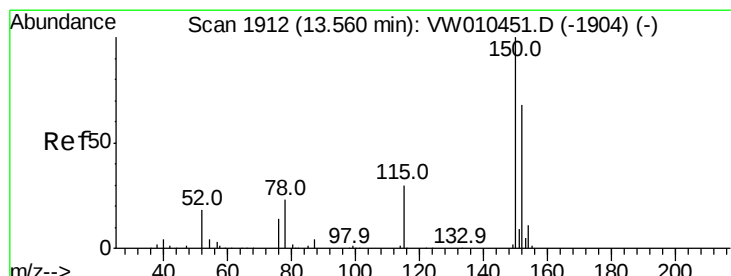
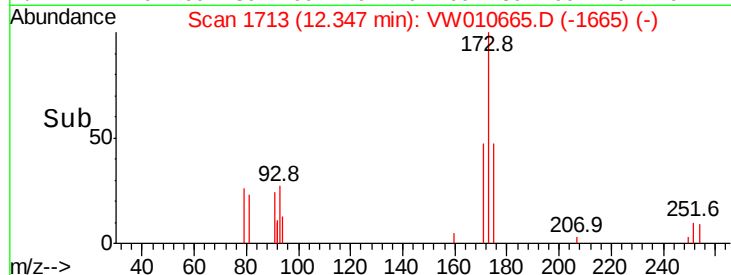
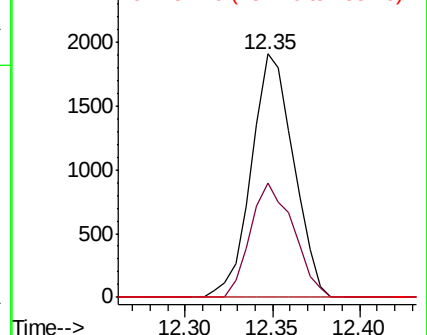


Abundance

Ion 172.70 (172.40 to 173.40): V

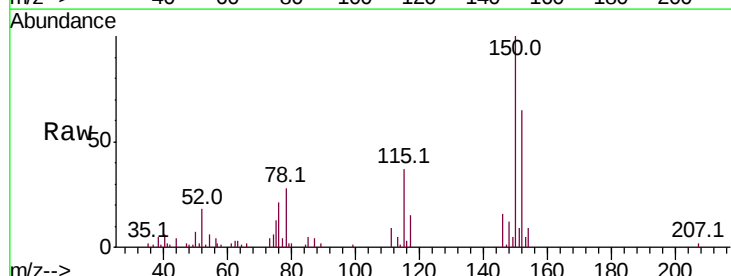
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.2  | 30.3  | 91.0  |
| 150     | 164.1 | 0.0   | 349.8 |

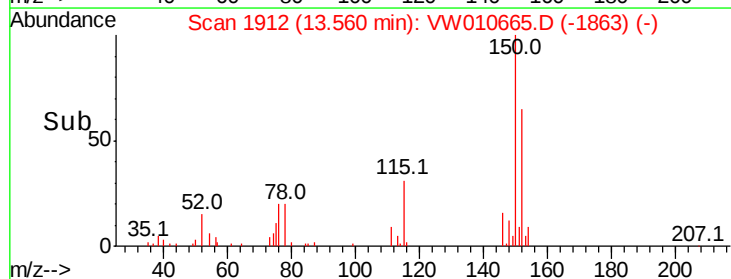
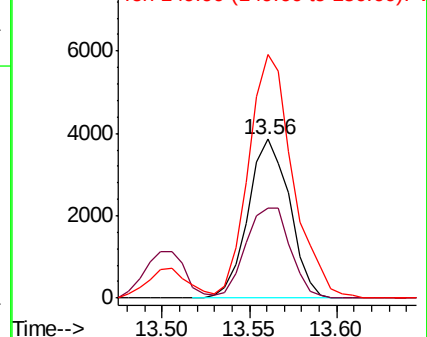


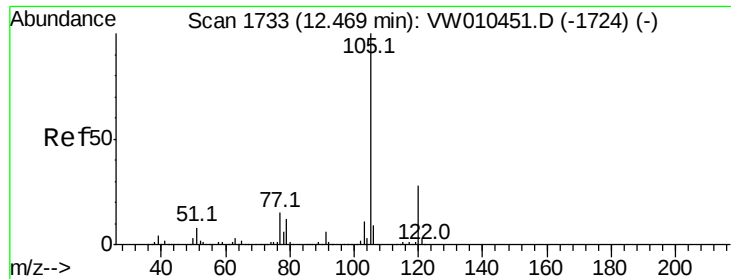
Abundance

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: 64.680 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion:105 Resp: 32607

Ion Ratio Lower Upper

105 100

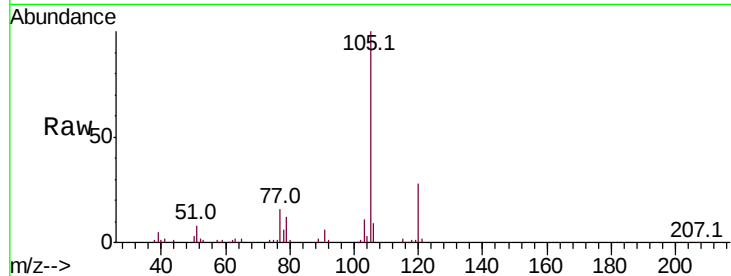
120 28.8 13.9 41.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

20000

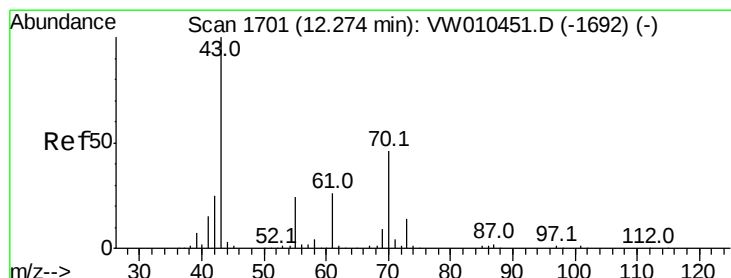
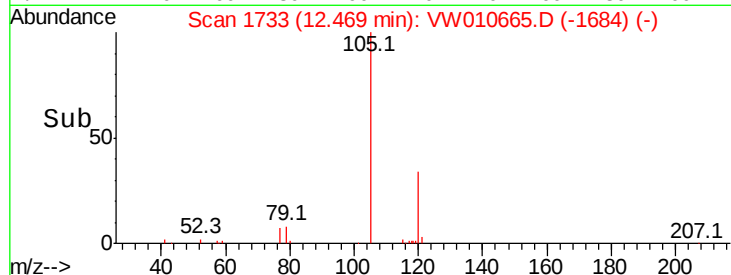
15000

10000

5000

0

Time-->



#74

N-ethyl acetate

Concen: 6.977 ug/l

RT: 12.29 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Tgt Ion: 43 Resp: 806

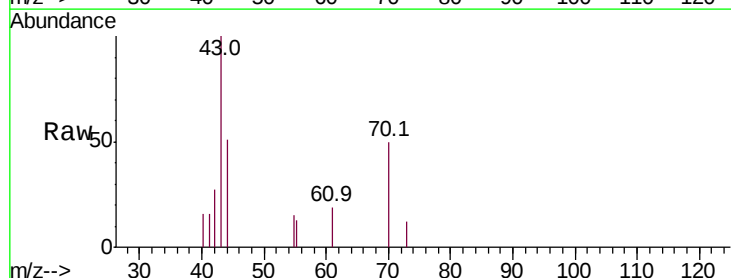
Ion Ratio Lower Upper

43 100

70 48.9 37.1 55.7

55 22.1 19.6 29.4

61 18.6 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.29

600

500

400

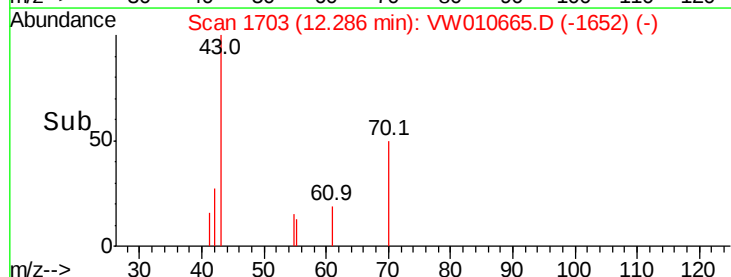
300

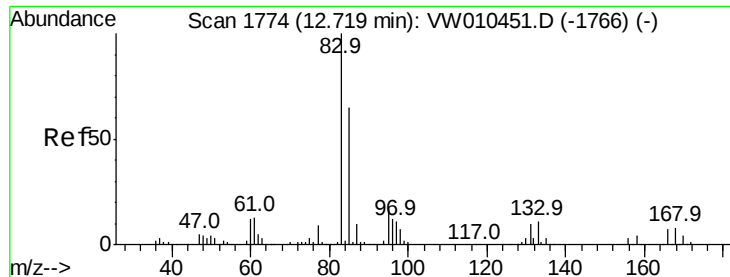
200

100

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 71.912 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

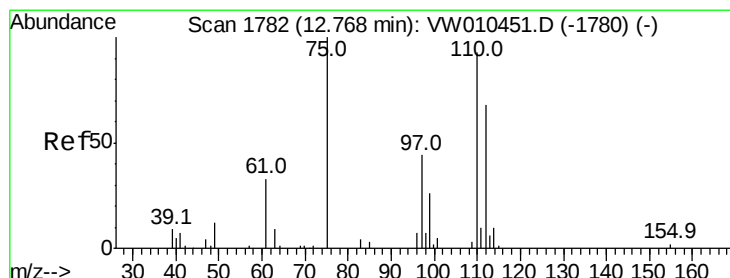
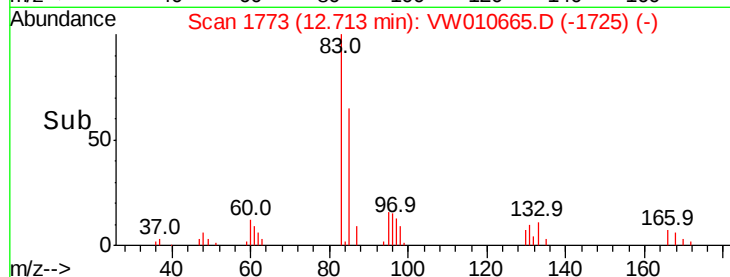
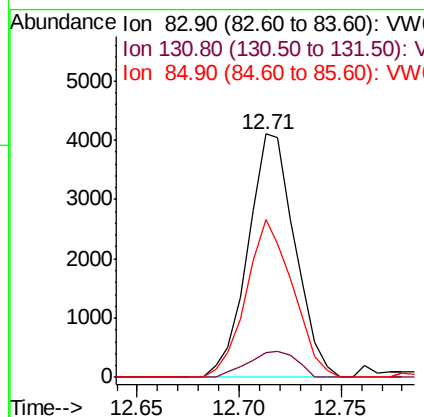
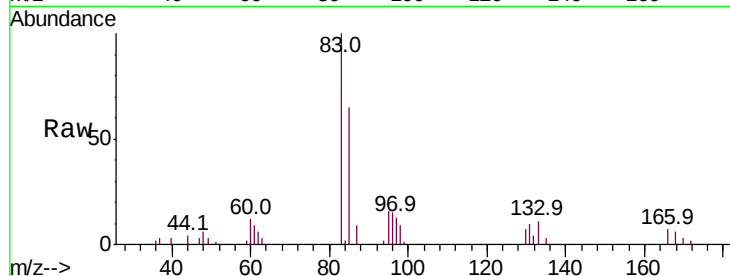
ClientSampleId :

FESB-23(3-3.5)MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 6594  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.1  | 5.6   | 16.8  |
| 85       | 64.0  | 32.4  | 97.0  |

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#76

1,2,3-Trichloropropane

Concen: 95.942 ug/l m

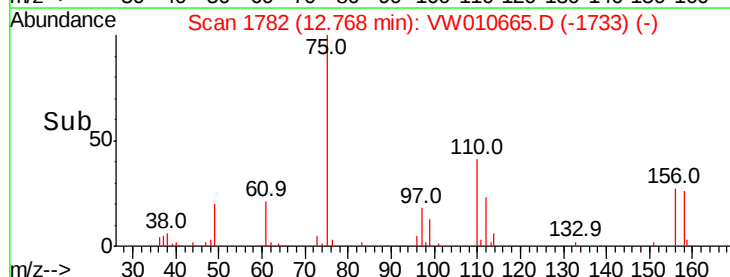
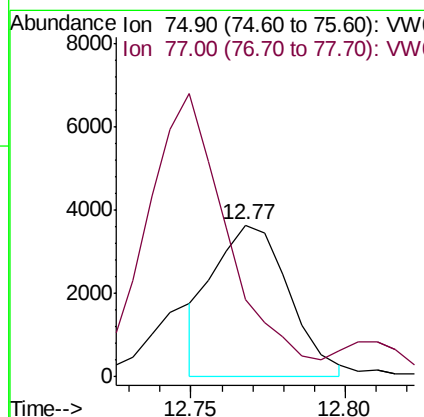
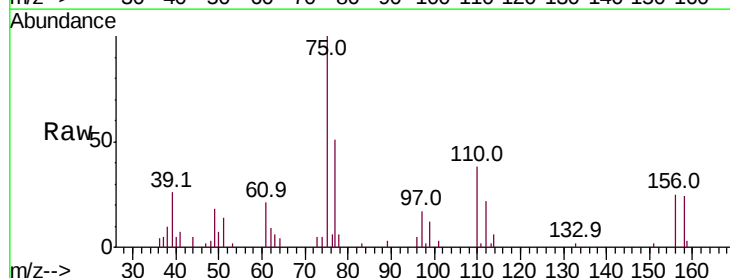
RT: 12.77 min Scan# 1782

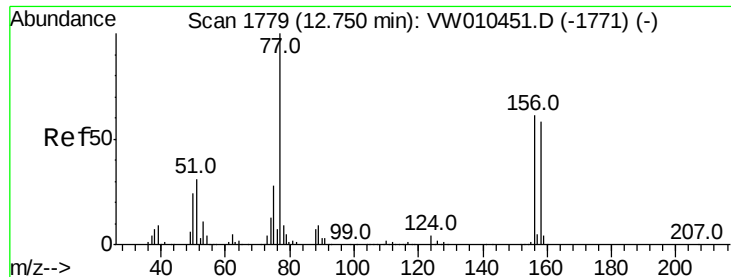
Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6187  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 202.1 | 170.0 | 510.1 |





#77

Bromobenzene

Concen: 60.887 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion:156 Resp: 6869

Ion Ratio Lower Upper

156 100

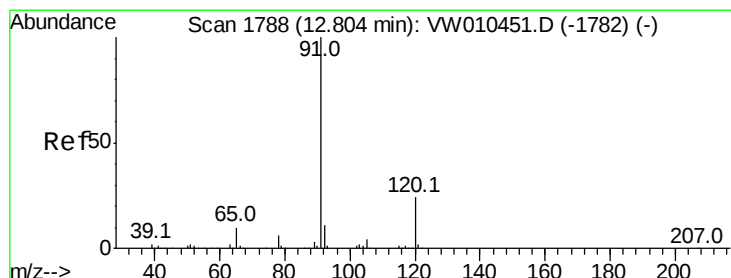
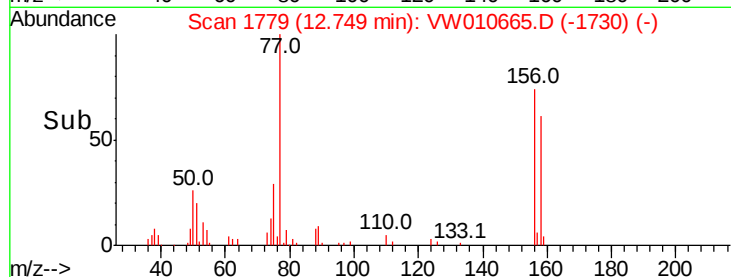
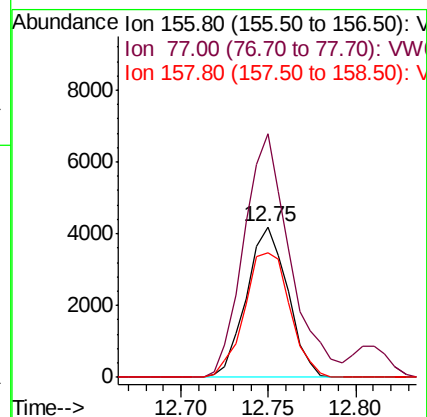
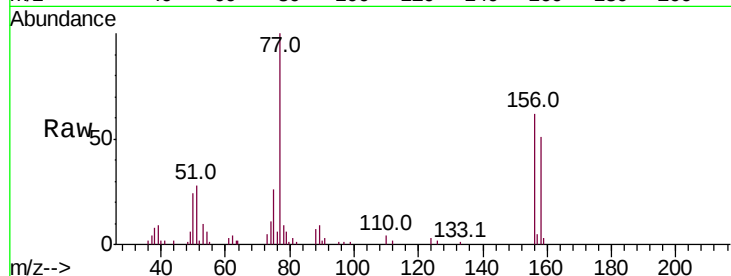
77 182.0 92.4 277.2

158 91.5 48.3 144.8

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#78

n-propylbenzene

Concen: 58.311 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010665.D

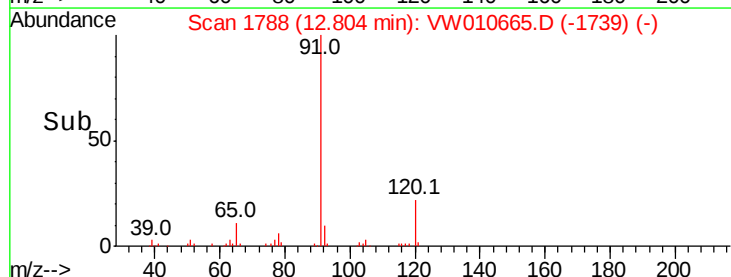
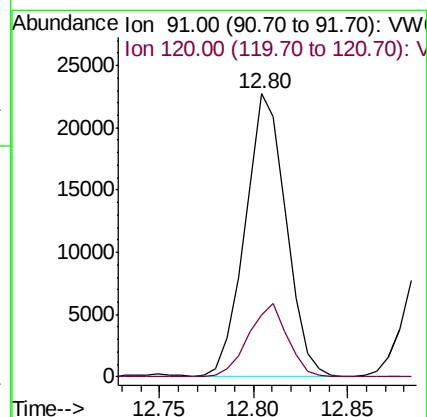
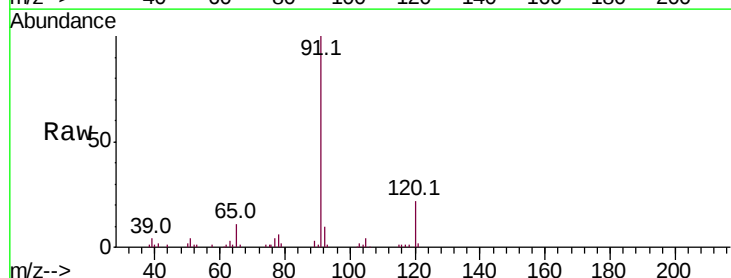
Acq: 03 Jun 2019 17:49

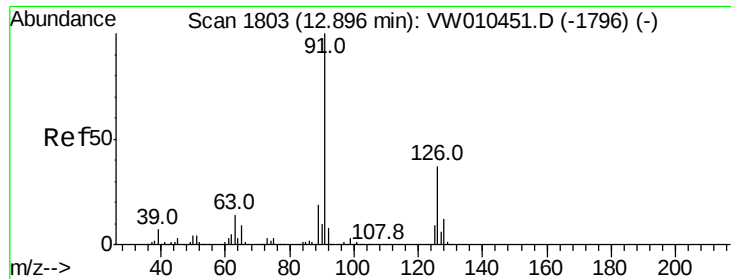
Tgt Ion: 91 Resp: 34258

Ion Ratio Lower Upper

91 100

120 24.9 12.3 36.8





#79

2-Chlorotoluene

Concen: 58.963 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion: 91 Resp: 20089

Ion Ratio Lower Upper

91 100

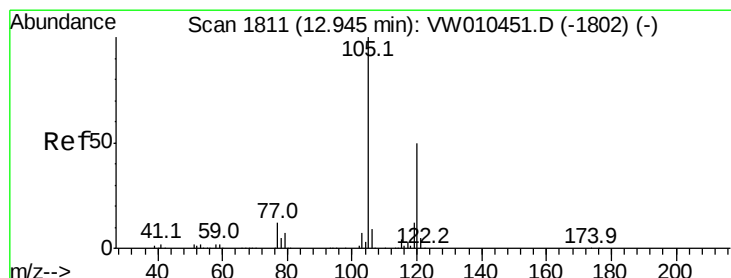
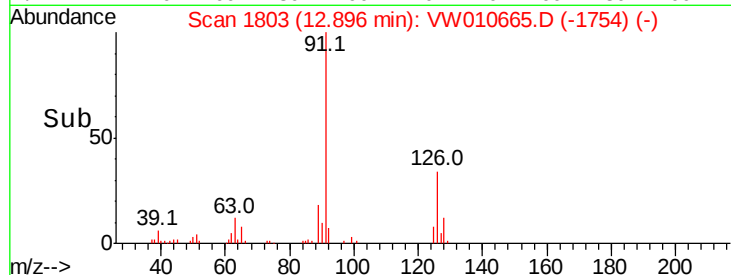
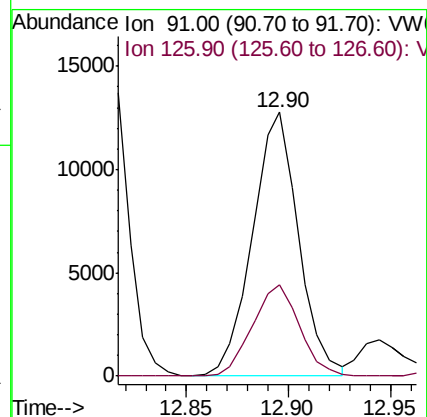
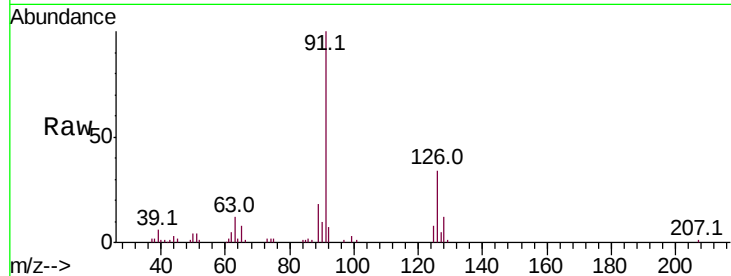
126 35.1 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 55.636 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010665.D

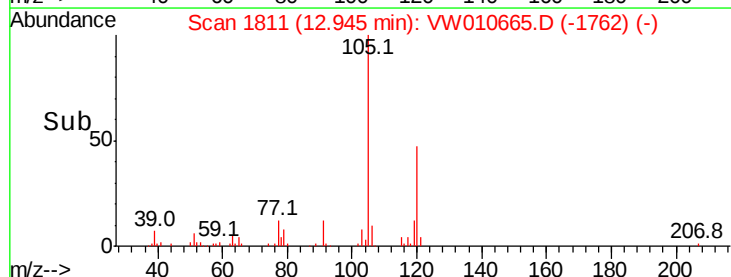
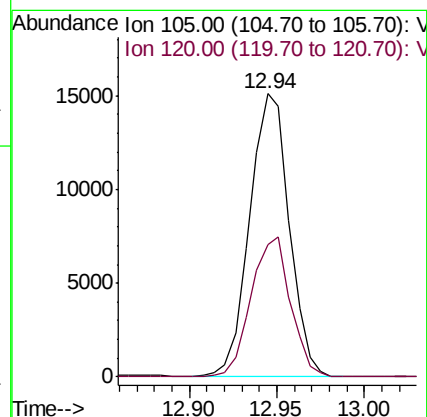
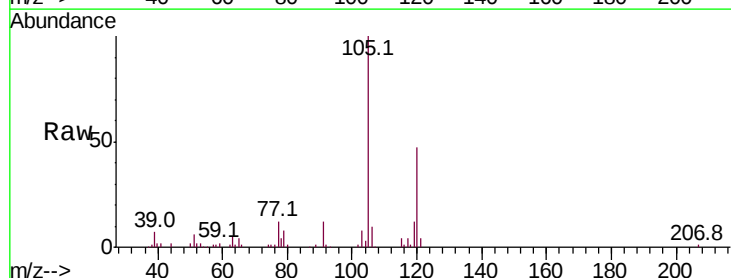
Acq: 03 Jun 2019 17:49

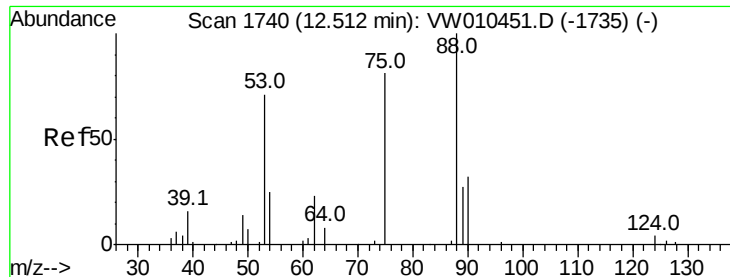
Tgt Ion: 105 Resp: 23755

Ion Ratio Lower Upper

105 100

120 49.3 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 44.435 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

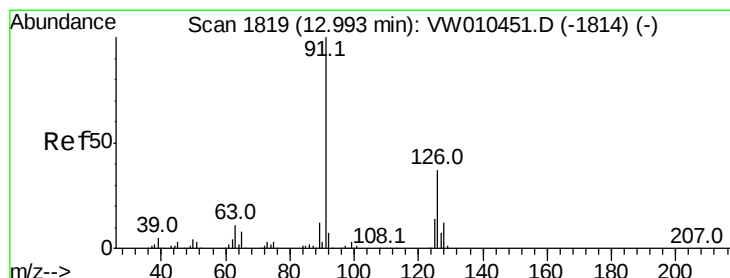
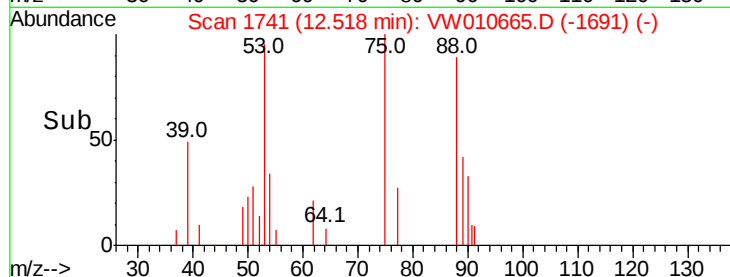
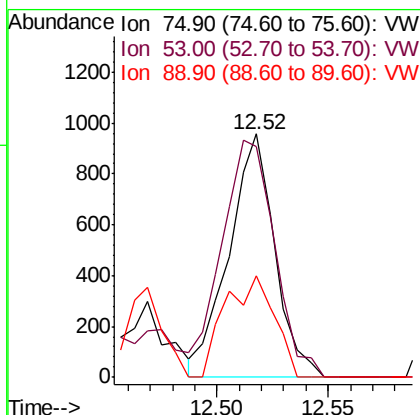
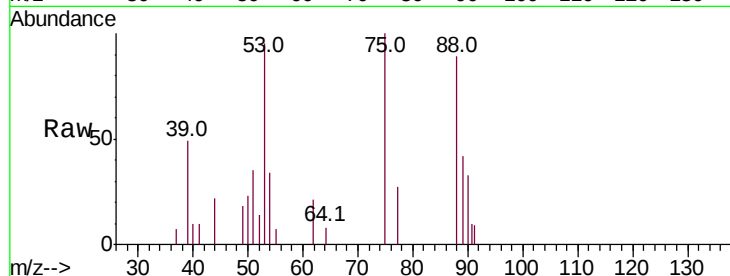
ClientSampleId :

FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 112.0 | 69.8  | 104.8# |
| 89      | 44.7  | 39.5  | 59.3   |

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#82

4-Chlorotoluene

Concen: 52.989 ug/l

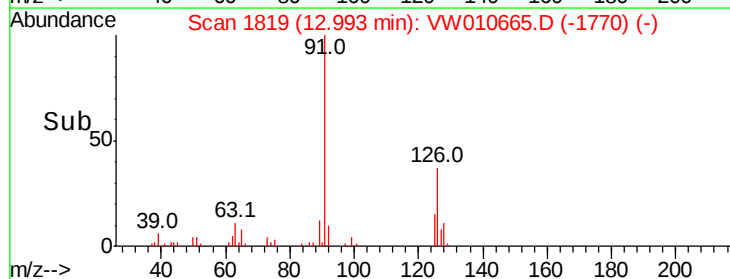
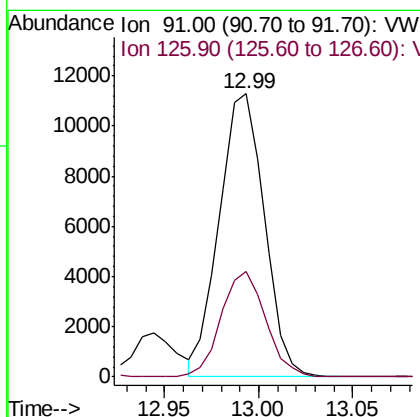
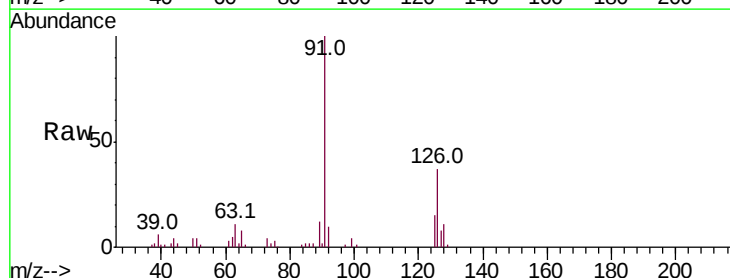
RT: 12.99 min Scan# 1819

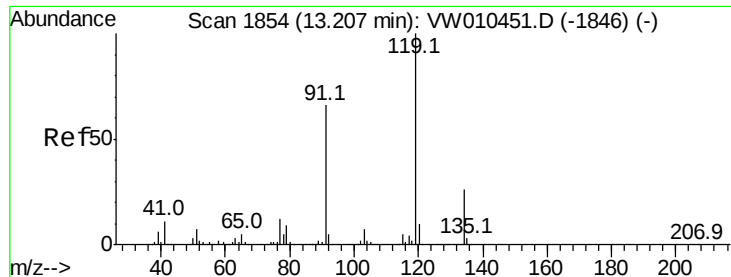
Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 36.8  | 17.5  | 52.6  |





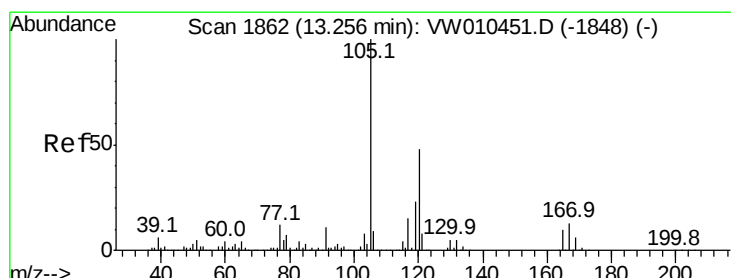
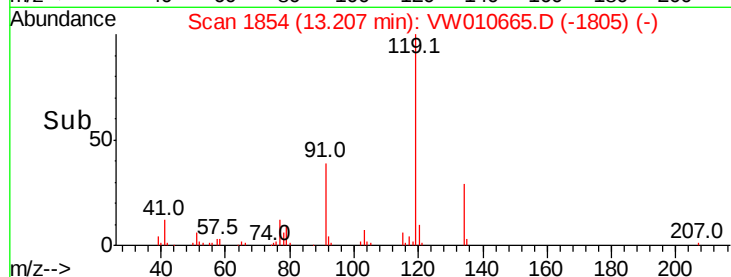
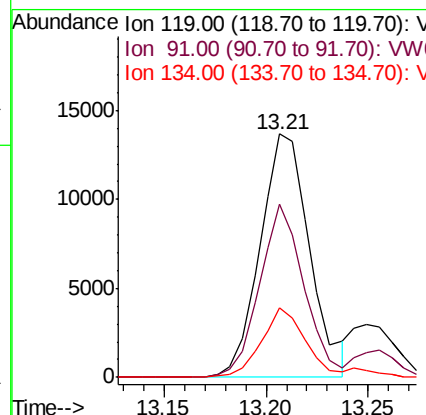
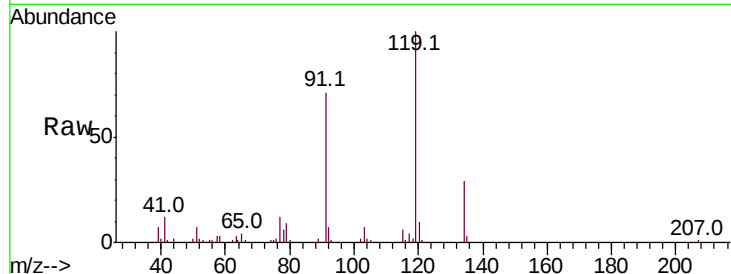
#83  
 tert-Butylbenzene  
 Concen: 62.136 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 119   | Resp: | 23174 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 63.5  | 33.1  | 99.5  |
| 134       | 25.3  | 13.9  | 41.6  |

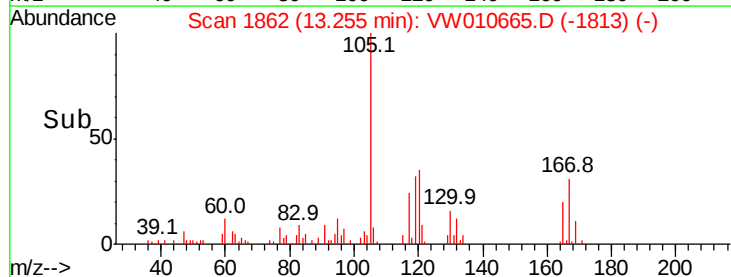
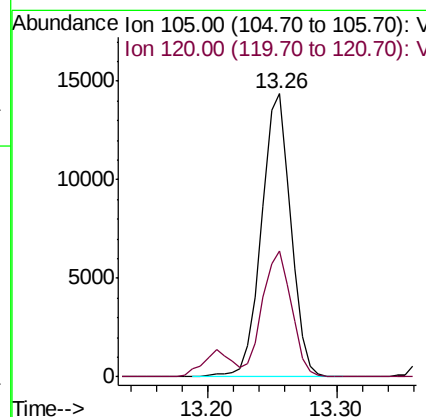
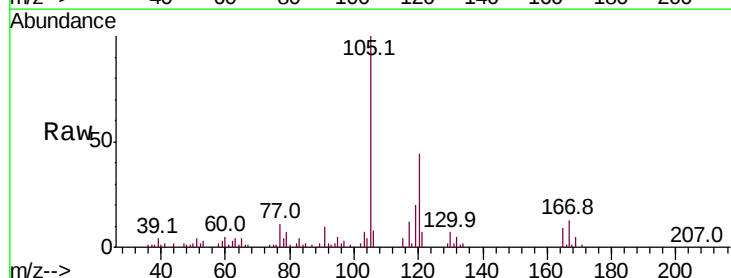
Manual Integrations  
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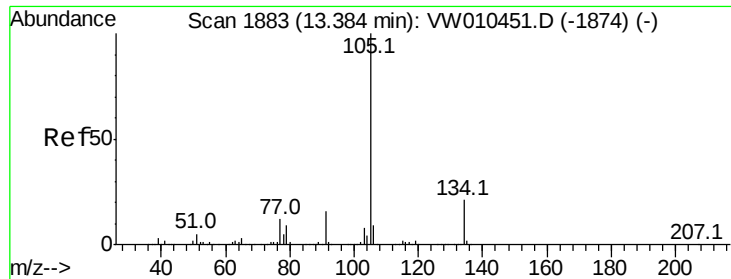
MMDadoda  
 6/4/2019 12:13:06 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.974 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 22527 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 44.4  | 23.4  | 70.2  |





#85

sec-Butylbenzene

Concen: 53.628 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA\_W

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion:105 Resp: 27990

Ion Ratio Lower Upper

105 100

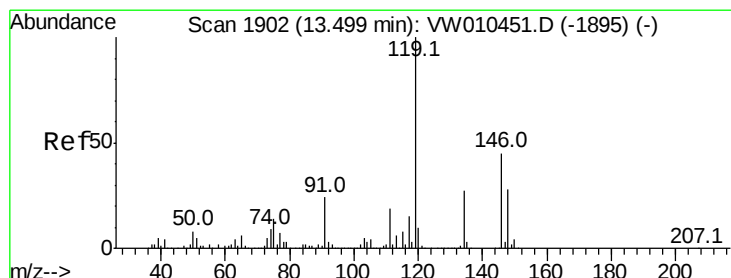
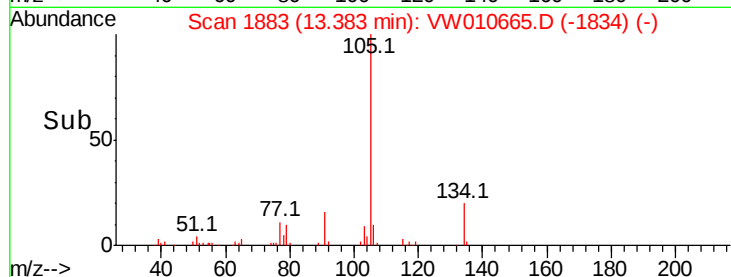
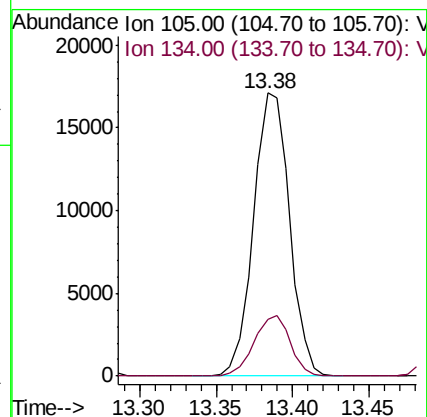
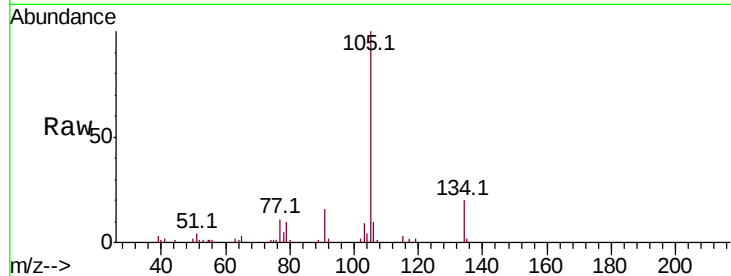
134 21.3 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.293 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

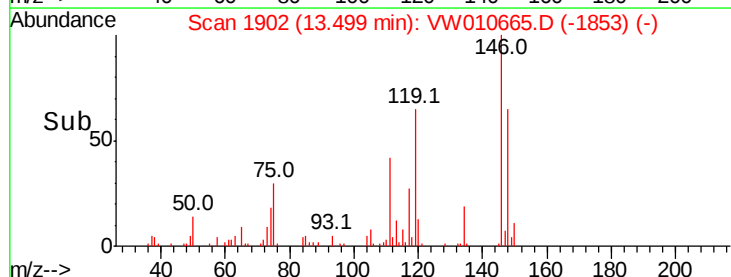
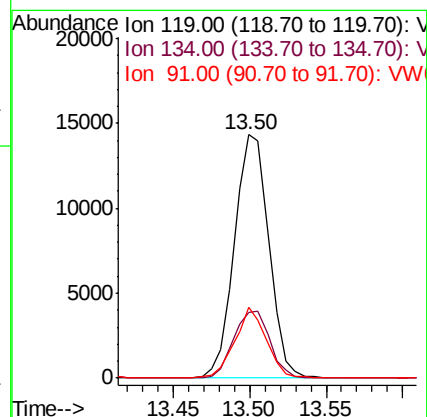
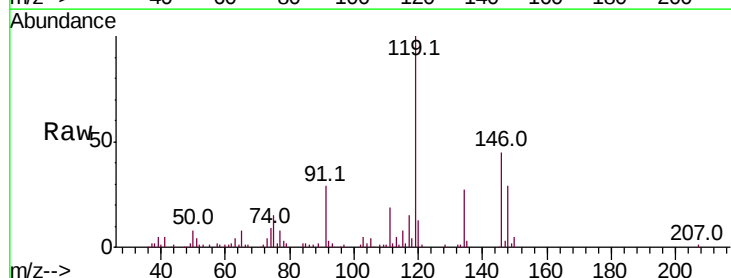
Tgt Ion:119 Resp: 22342

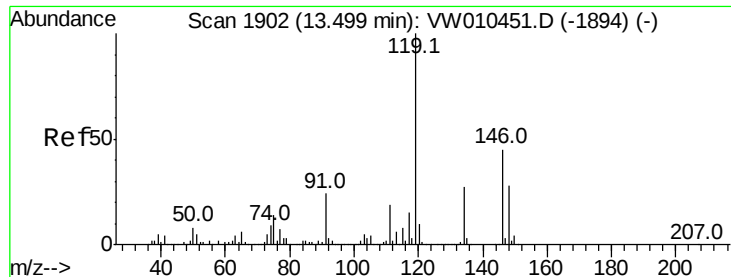
Ion Ratio Lower Upper

119 100

134 28.6 13.6 40.7

91 26.7 11.9 35.7





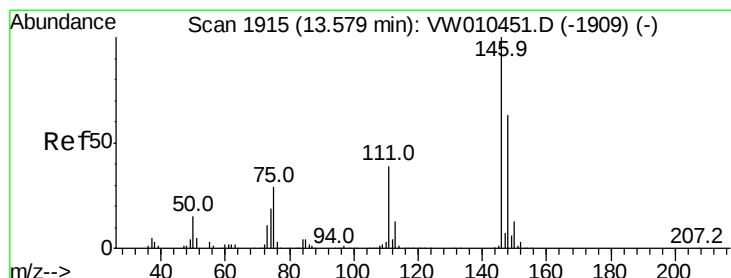
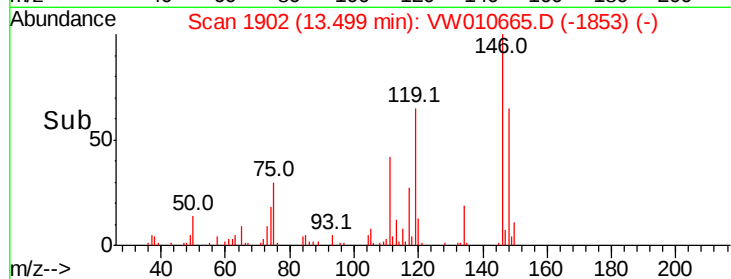
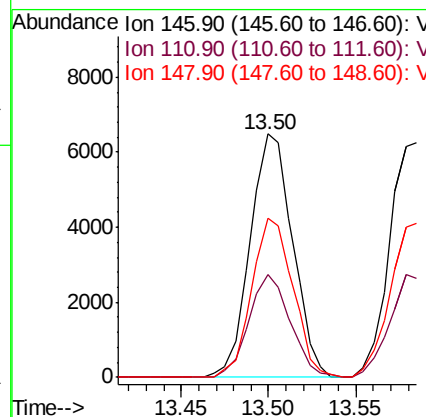
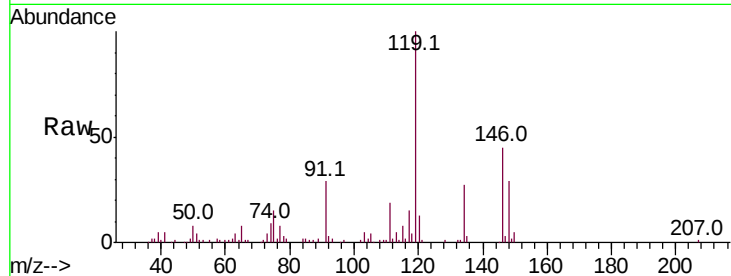
#87  
 1,3-Dichlorobenzene  
 Concen: 49.436 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 20.3  | 60.9  |
| 148     | 63.2  | 31.6  | 94.8  |

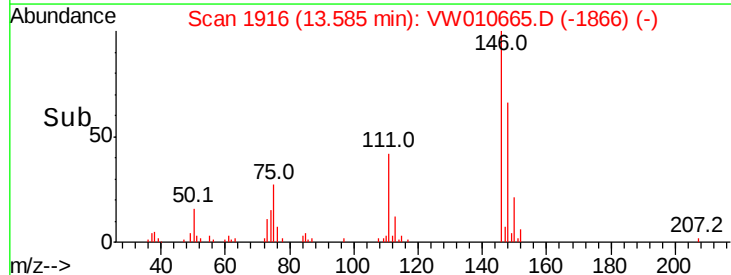
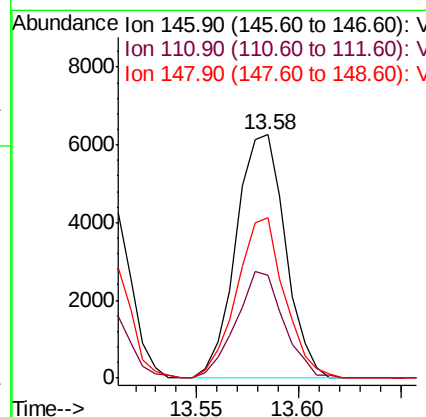
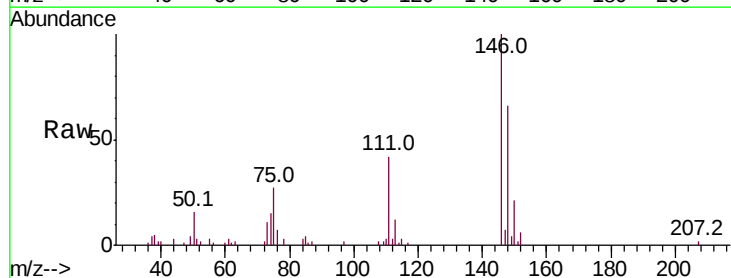
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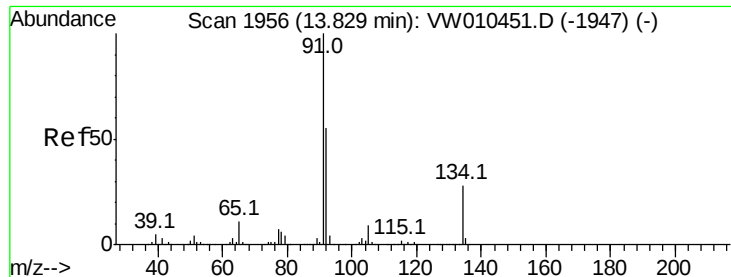
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#88  
 1,4-Dichlorobenzene  
 Concen: 47.332 ug/l  
 RT: 13.58 min Scan# 1916  
 Delta R.T. 0.01 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.5  | 19.9  | 59.6  |
| 148     | 63.9  | 31.6  | 94.8  |





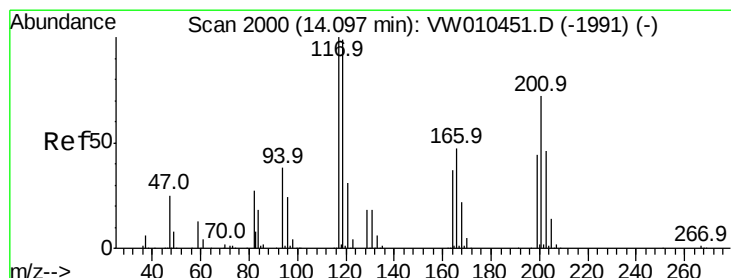
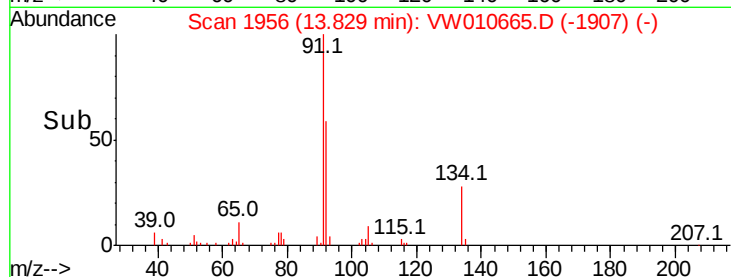
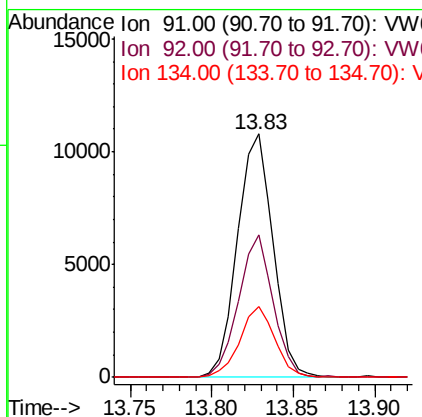
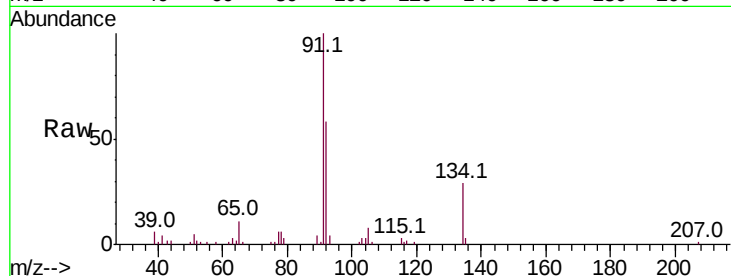
#89  
n-Butylbenzene  
Concen: 36.481 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 56.7  | 27.7  | 83.1  |
| 134     | 28.7  | 13.9  | 41.6  |

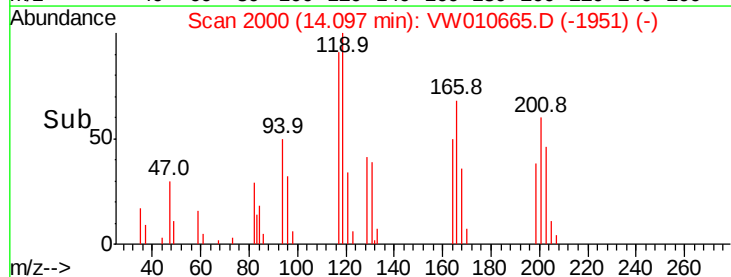
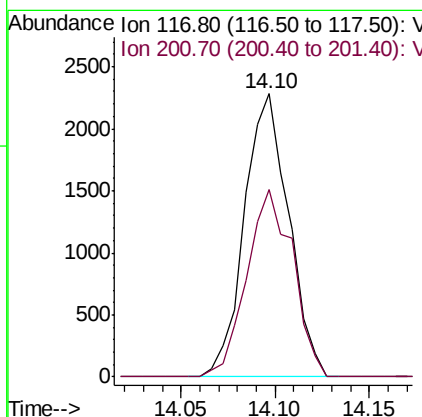
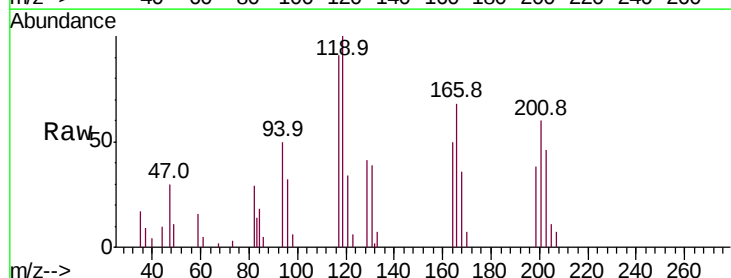
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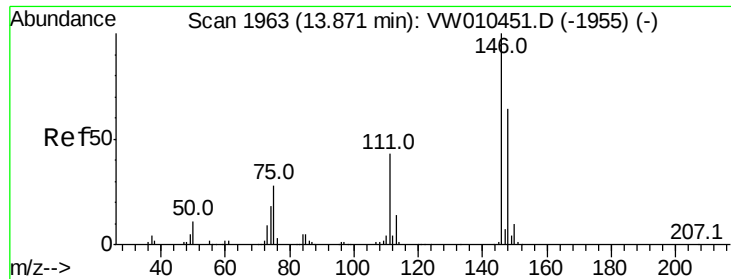
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#90  
Hexachloroethane  
Concen: 40.627 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 68.8  | 34.6  | 103.8 |





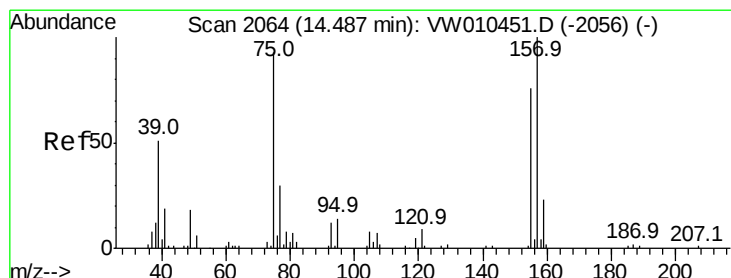
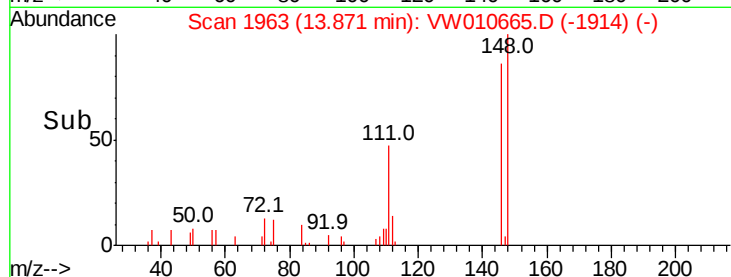
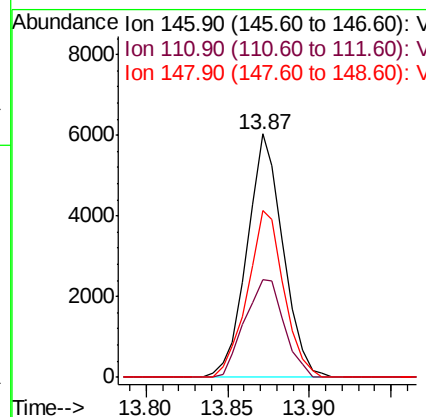
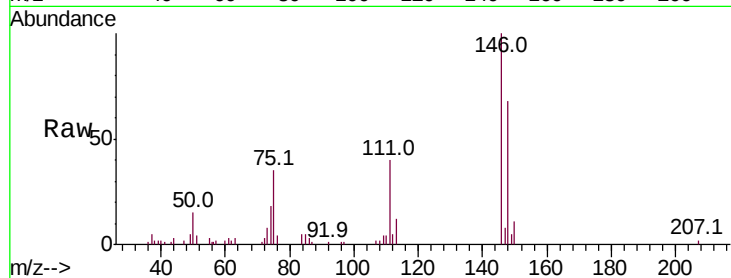
#91  
 1,2-Dichlorobenzene  
 Concen: 45.837 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.0  | 21.3  | 64.0  |
| 148     | 69.3  | 32.0  | 96.0  |

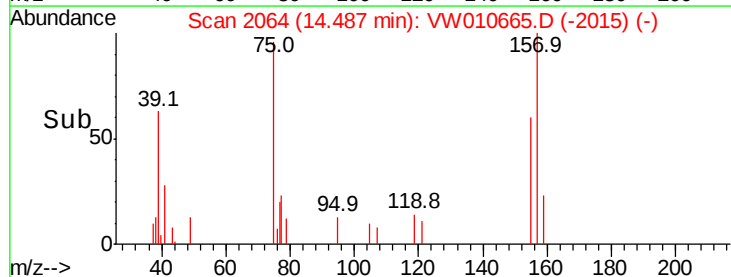
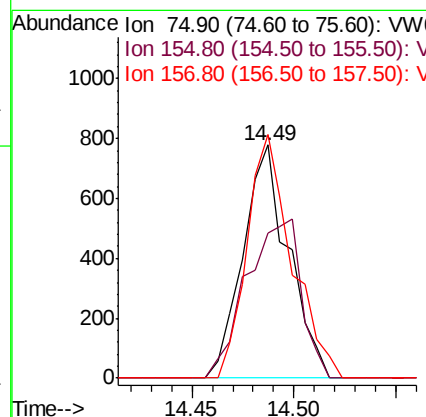
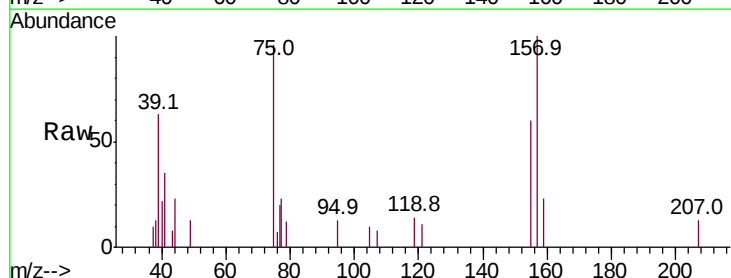
Manual Integrations  
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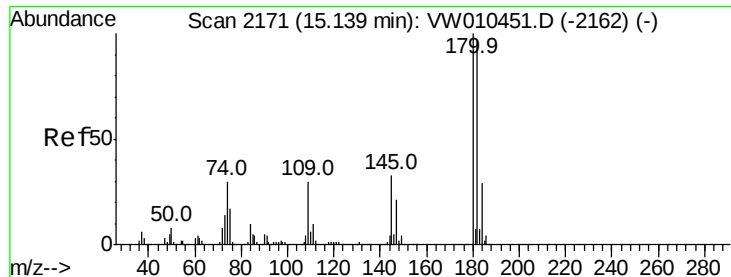
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 70.381 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 81.8  | 43.0  | 129.0 |
| 157     | 103.4 | 55.7  | 167.1 |





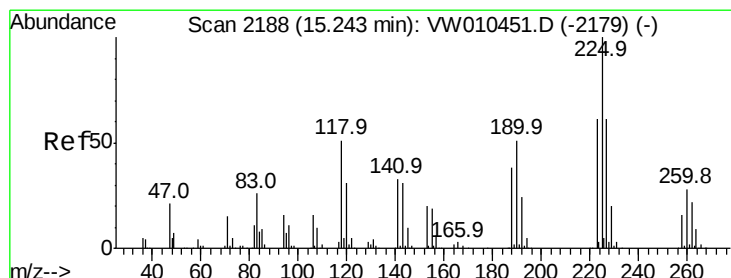
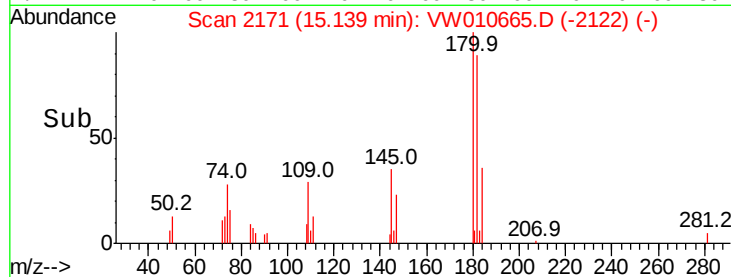
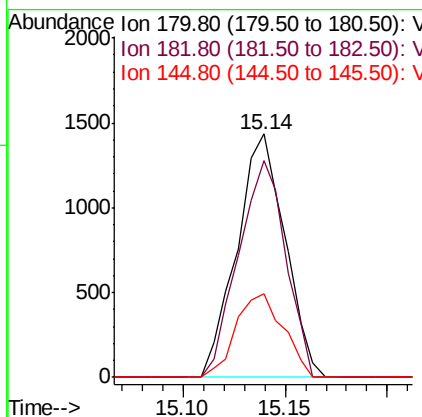
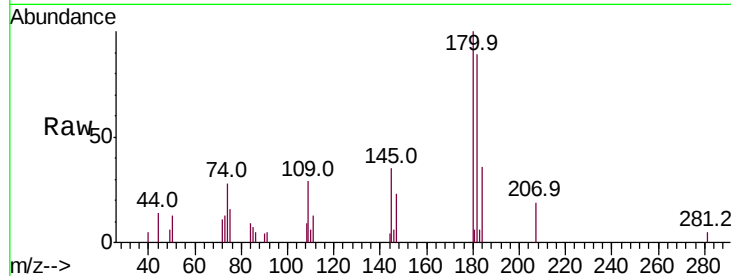
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.134 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 87.3  | 47.0 | 141.2 |       |
| 145     | 33.6  | 16.7 | 50.0  |       |

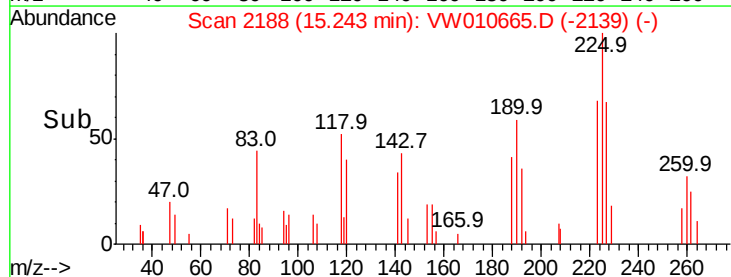
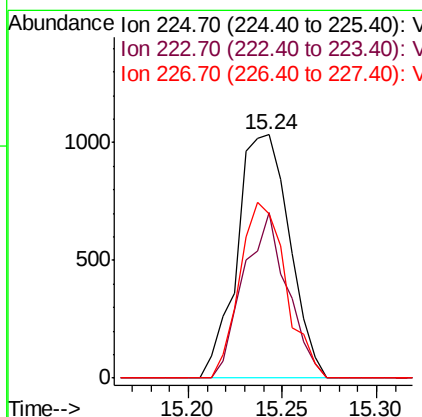
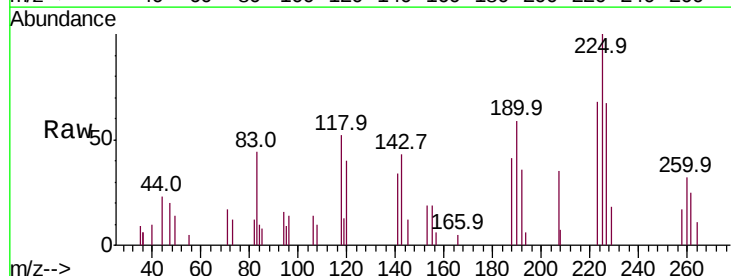
Manual Integrations  
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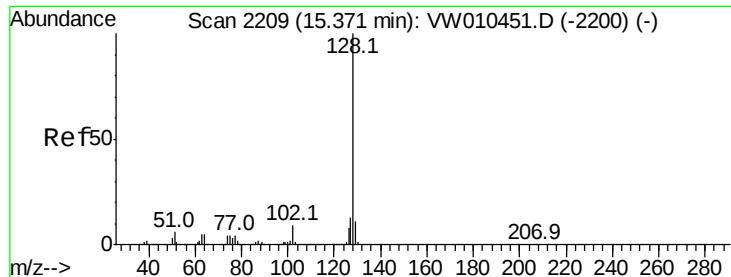
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 27.161 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. -0.00 min  
 Lab File: VW010665.D  
 Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 57.2  | 31.1 | 93.2  |       |
| 227     | 63.5  | 31.1 | 93.5  |       |





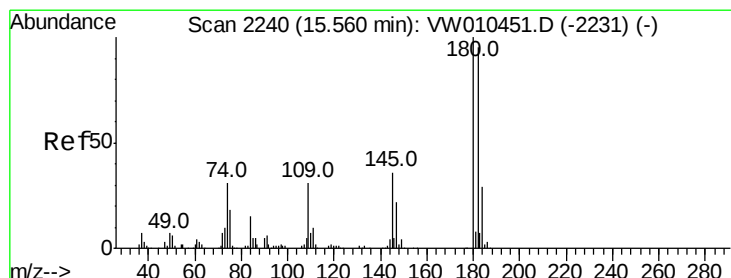
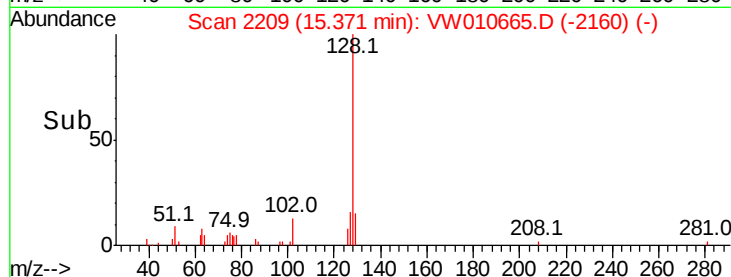
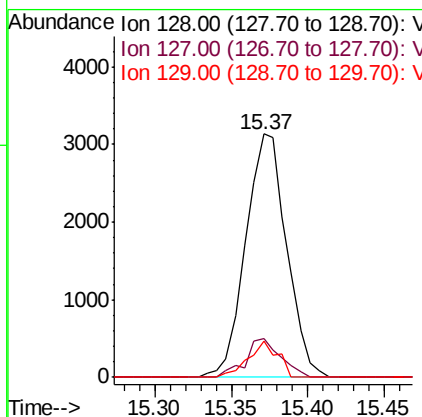
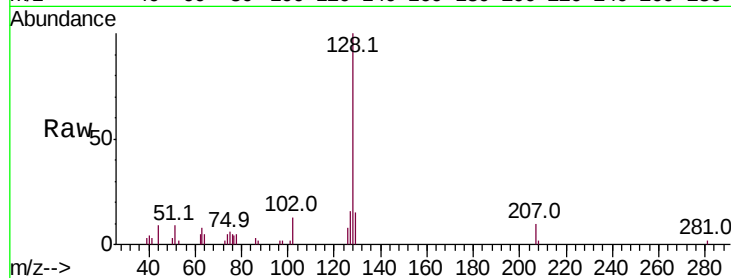
#95  
Naphthalene  
Concen: 20.220 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-23(3-3.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.5  | 10.6  | 15.8  |
| 129     | 10.7  | 8.9   | 13.3  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 18.015 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. -0.00 min  
Lab File: VW010665.D  
Acq: 03 Jun 2019 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 47.1  | 141.3 |
| 145     | 31.3  | 17.4  | 52.3  |

