

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\  
 Data File : VX002250.D  
 Acq On : 02 Jun 2018 20:04  
 Operator : JC/MD  
 Sample : J3234-03MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0050MSD

Manual Integrations  
 APPROVED

MMDadoda  
 6/4/2018 2:31:53 PM

Quant Time: Jun 04 07:46:16 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 24 13:09:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 137677   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 215369   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 210462   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 139100   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 156085   | 63.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 126.84% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 117096   | 54.37 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.74% |      |
| 50) Toluene-d8            | 8.72   | 98  | 426570   | 54.71 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.42% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 162379   | 53.23 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.46% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 61788   | 35.261  | ug/l | 98     |
| 3) Chloromethane              | 1.32 | 50  | 97478   | 46.017  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.41 | 62  | 98006   | 47.917  | ug/l | 99     |
| 5) Bromomethane               | 1.64 | 94  | 61395   | 65.510  | ug/l | 98     |
| 6) Chloroethane               | 1.71 | 64  | 70953   | 58.846  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 158296  | 51.535  | ug/l | 99     |
| 8) Diethyl Ether              | 2.19 | 74  | 228192  | 204.754 | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 87326   | 50.949  | ug/l | 98     |
| 10) Methyl Iodide             | 2.51 | 142 | 130211  | 56.146  | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.09 | 59  | 172399  | 356.880 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 86466   | 53.882  | ug/l | 97     |
| 13) Acrolein                  | 2.30 | 56  | 56309   | 269.597 | ug/l | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 202857  | 60.222  | ug/l | 98     |
| 15) Acrylonitrile             | 3.15 | 53  | 386439  | 389.015 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 357767  | 376.689 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.56 | 76  | 178761  | 38.706  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 188520  | 83.150  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 421967  | 69.913  | ug/l | 99     |
| 20) Methylene Chloride        | 2.85 | 84  | 119029  | 73.153  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 97583   | 62.867  | ug/l | 98     |
| 22) Diisopropyl ether         | 3.88 | 45  | 389550  | 56.854  | ug/l | 97     |
| 23) Vinyl Acetate             | 3.83 | 43  | 1690833 | 297.637 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 215087  | 66.084  | ug/l | 99     |
| 25) 2-Butanone                | 4.71 | 43  | 511088  | 293.602 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 124039  | 37.652  | ug/l | 97     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 110394  | 52.755  | ug/l | 94     |
| 28) Bromochloromethane        | 5.03 | 49  | 99833   | 73.977  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.17 | 42  | 358242  | 316.311 | ug/l | 98     |
| 30) Chloroform                | 5.22 | 83  | 202293  | 55.168  | ug/l | 97     |
| 31) Cyclohexane               | 5.57 | 56  | 136018  | 40.111  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 159489  | 46.654  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 121947  | 40.707  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.87 | 43  | 192255  | 49.226  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 130735  | 37.424  | ug/l | 98     |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0050MSD

Manual Integrations  
 APPROVED

MMDadoda  
 6/4/2018 2:31:53 PM

Quant Time: Jun 04 07:46:16 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 24 13:09:03 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 135498   | 36.817   | ug/l   | 98       |
| 40) Benzene                    | 6.15  | 78   | 438965   | 50.016   | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.07  | 41   | 114223   | 55.574   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 182058   | 51.932   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.48  | 43   | 320437   | 49.242   | ug/l   | 100      |
| 44) Trichloroethene            | 7.22  | 130  | 113362   | 44.325   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 123021   | 51.615   | ug/l   | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 83421    | 52.864   | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 146711   | 43.603   | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.79  | 41   | 168365   | 50.835   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 60653    | 1039.222 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43   | 1104017  | 281.436  | ug/l   | 100      |
| 52) Toluene                    | 8.79  | 92   | 269651   | 48.278   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 171714   | 44.310   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 162395   | 43.005   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 124859   | 53.512   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.19  | 69   | 197860   | 49.300   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 206768   | 53.792   | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.51  | 43   | 845021   | 279.370  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 122653   | 44.380   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 131618   | 53.759   | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 118729   | 39.346   | ug/l   | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 354236   | 53.125   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 122108   | 45.350   | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 538176   | 46.454   | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.37 | 106  | 414771   | 93.657   | ug/l   | 98       |
| 69) o-Xylene                   | 10.70 | 106  | 214886   | 48.596   | ug/l   | 97       |
| 70) Stvrene                    | 10.72 | 104  | 348905   | 47.578   | ug/l   | 99       |
| 71) Bromoform                  | 10.87 | 173  | 96945    | 37.971   | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 537231   | 45.609   | ug/l   | 99       |
| 74) N-amyl acetate             | 6.48  | 43   | 320437   | 52.604   | ug/l # | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 197977   | 61.751   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 168713m  | 50.496   | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 155036   | 49.609   | ug/l   | 96       |
| 78) n-propylbenzene            | 11.37 | 91   | 578694   | 43.865   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 371904   | 51.456   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 454648   | 45.165   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 48782    | 35.091   | ug/l # | 85       |
| 82) 4-Chlorotoluene            | 11.52 | 91   | 427470   | 45.941   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 449874   | 45.542   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 473591   | 45.527   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 517753   | 43.602   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 466180   | 43.873   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 263442   | 47.070   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 281191   | 50.253   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 369397   | 41.028   | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 72091    | 34.396   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 289379   | 50.746   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 44537    | 42.527   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 181958   | 44.623   | ug/l   | 100      |

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Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

Manual Integrations  
APPROVED

MMDadoda  
6/4/2018 2:31:53 PM

Quant Time: Jun 04 07:46:16 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 24 13:09:03 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.79 | 225  | 83089    | 37.880 | ug/l  | 99       |
| 95) Naphthalene            | 13.84 | 128  | 652164   | 51.911 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 199967   | 47.393 | ug/l  | 99       |

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

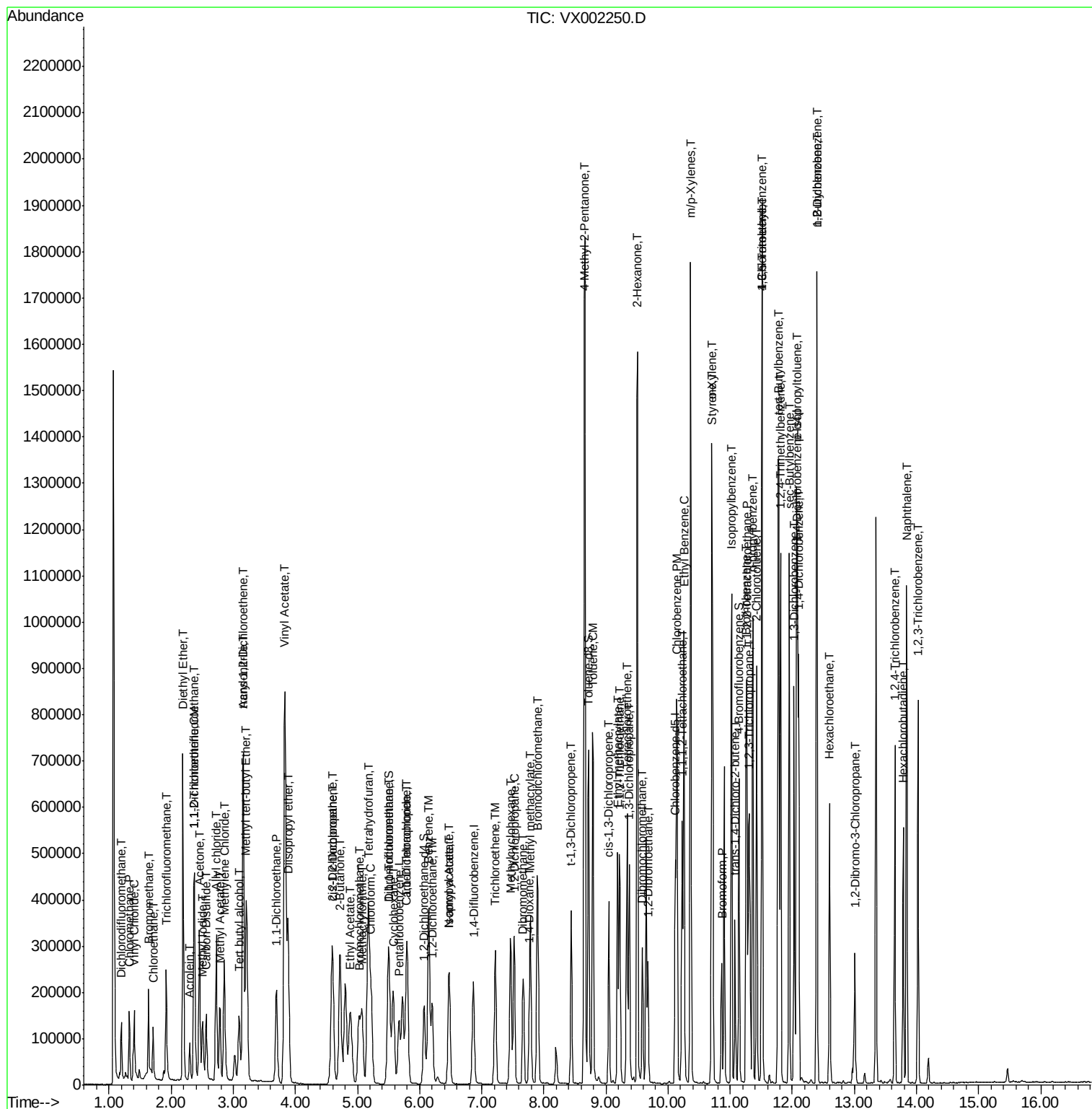
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 Data File : VX002250.D  
 Acq On : 02 Jun 2018 20:04  
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 ALS Vial : 17 Sample Multiplier: 1

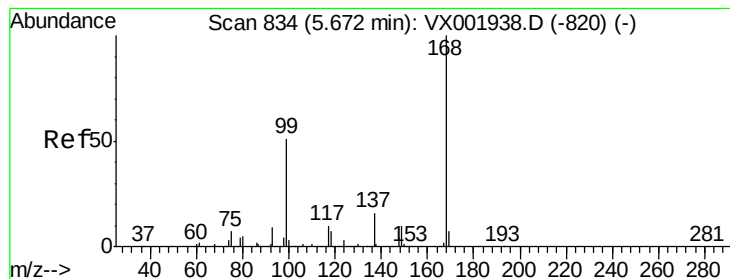
Instrument :  
 MSVOA\_X  
 Client Sample ID :  
 LF6-0050MSD

Manual Integrations  
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MMDadoda  
 6/4/2018 2:31:53 PM

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 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0050MSD

Tot Ion:168 Resp: 137677

Ion Ratio Lower Upper

168 100

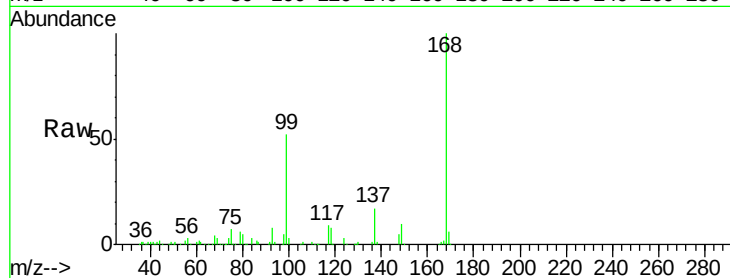
99 51.4 41.0 61.4

Manual Integrations

APPROVED

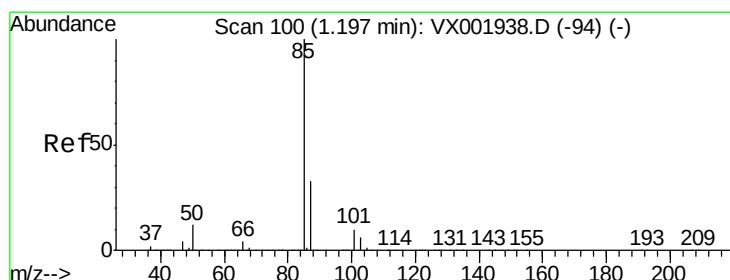
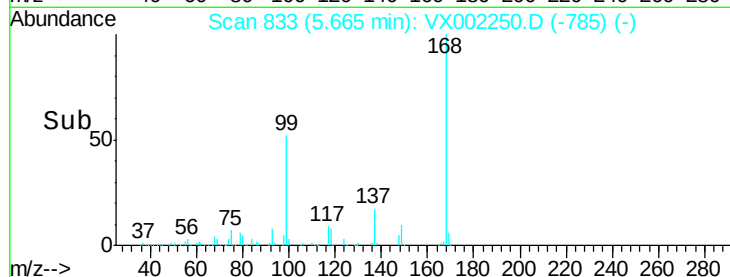
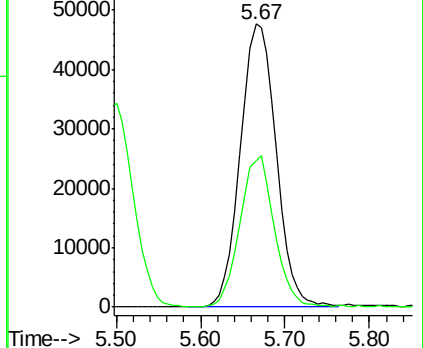
MMDadoda

6/4/2018 2:31:53 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 35.261 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002250.D

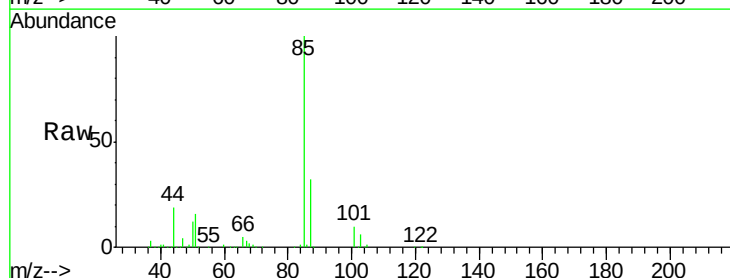
Acq: 02 Jun 2018 20:04

Tgt Ion: 85 Resp: 61788

Ion Ratio Lower Upper

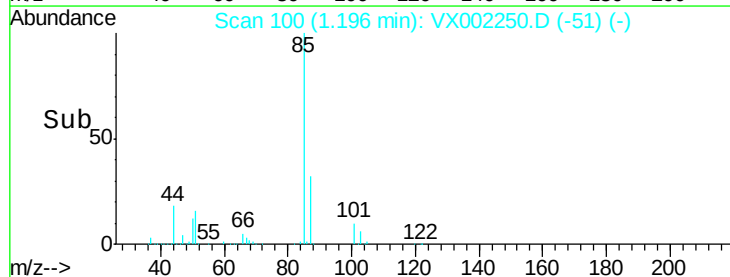
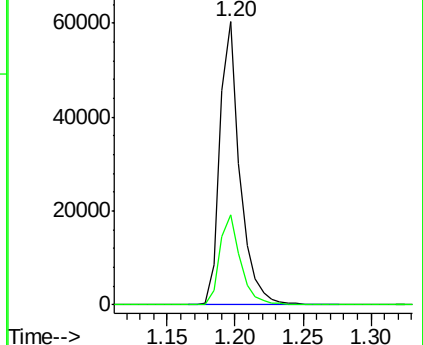
85 100

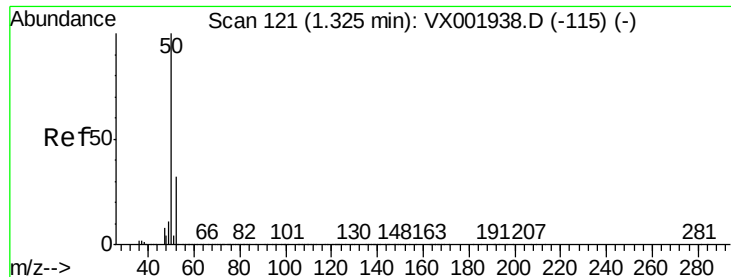
87 31.9 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.017 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampled :

LF6-0050MSD

Tot Ion: 50 Resp: 97478

Ion Ratio Lower Upper

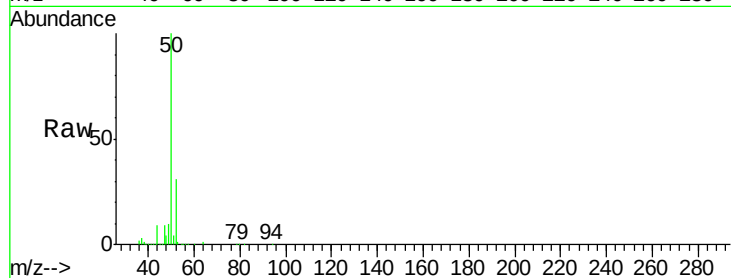
50 100

52 31.5 26.0 39.0

Manual Integrations  
APPROVED

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6/4/2018 2:31:53 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

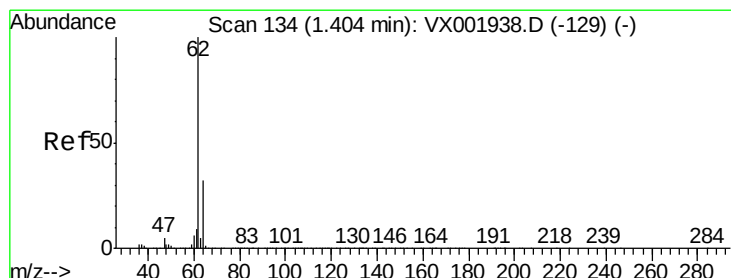
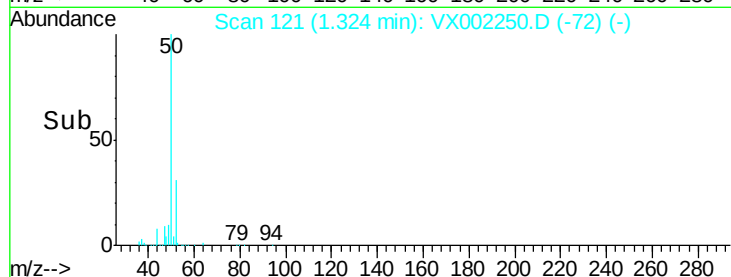
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 47.917 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002250.D

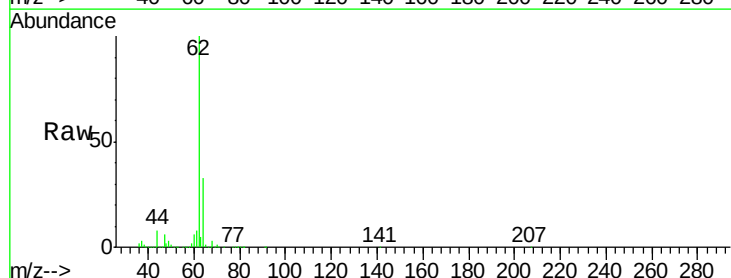
Acq: 02 Jun 2018 20:04

Tgt Ion: 62 Resp: 98006

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

100000

80000

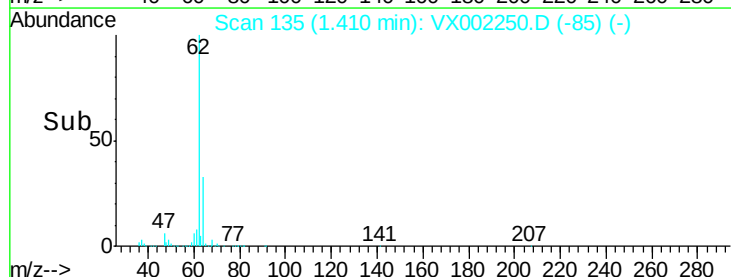
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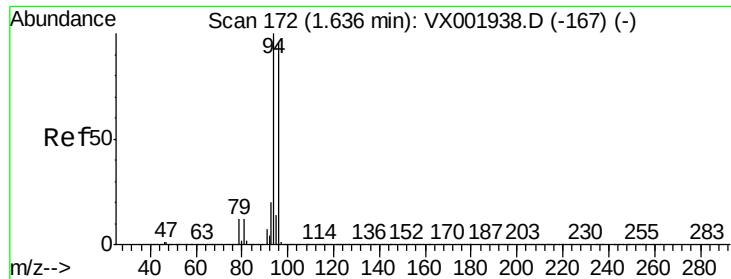
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20000

0

Time-->





#5

Bromomethane

Concen: 65.510 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0050MSD

Tot Ion: 94 Resp: 61395

Ion Ratio Lower Upper

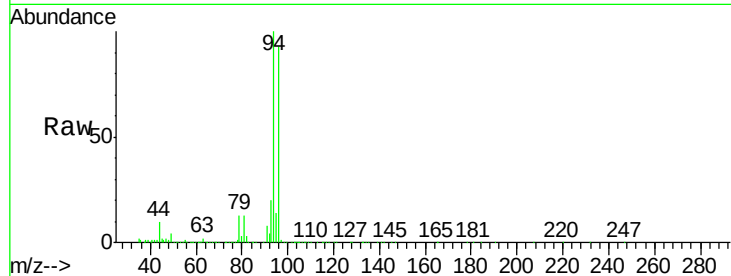
94 100

96 92.5 75.9 113.9

Manual Integrations  
APPROVED

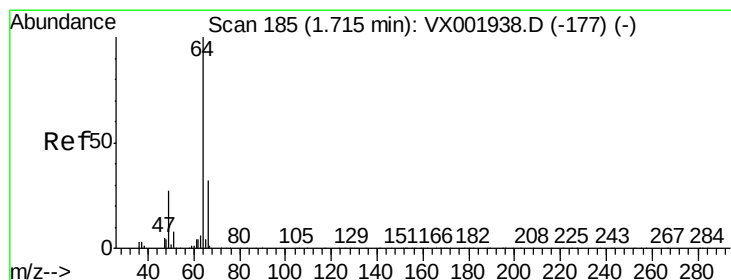
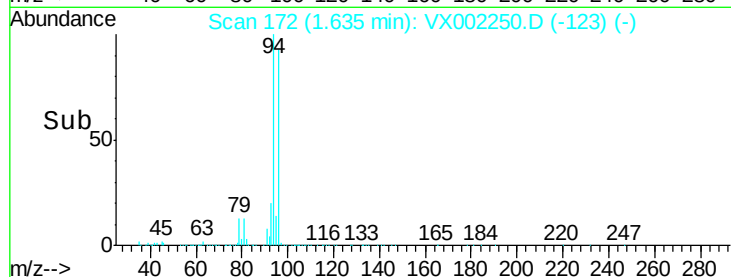
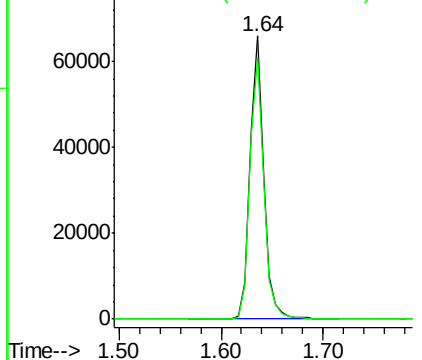
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 58.846 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX002250.D

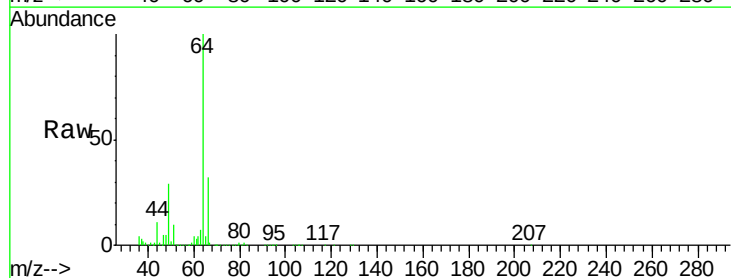
Acq: 02 Jun 2018 20:04

Tgt Ion: 64 Resp: 70953

Ion Ratio Lower Upper

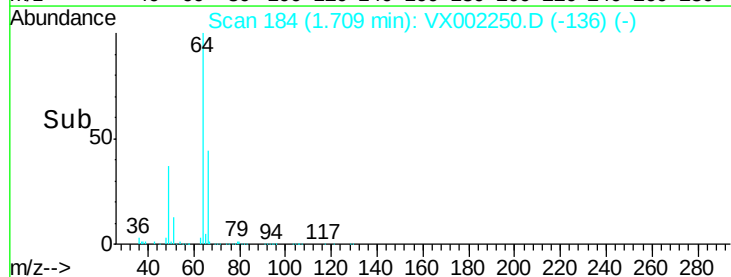
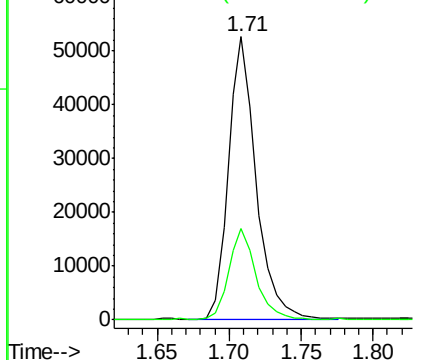
64 100

66 32.1 25.6 38.4

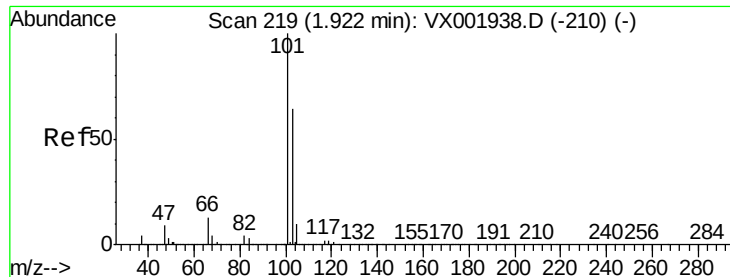


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0







#7

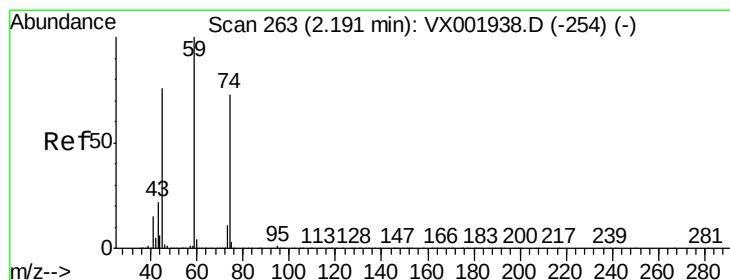
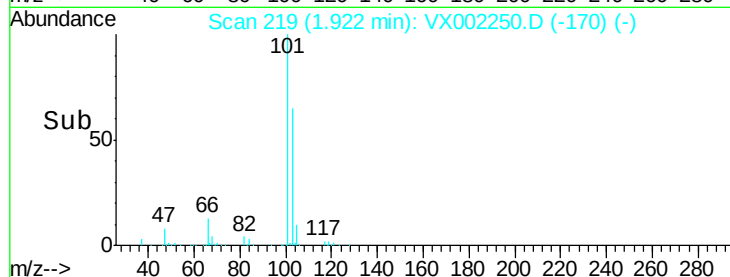
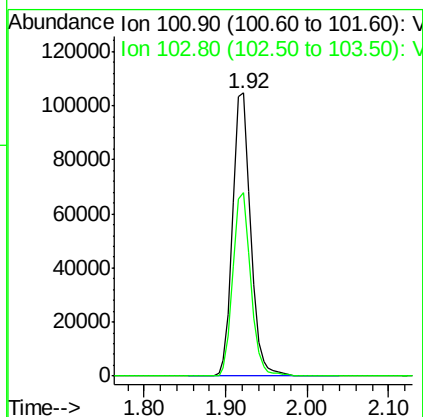
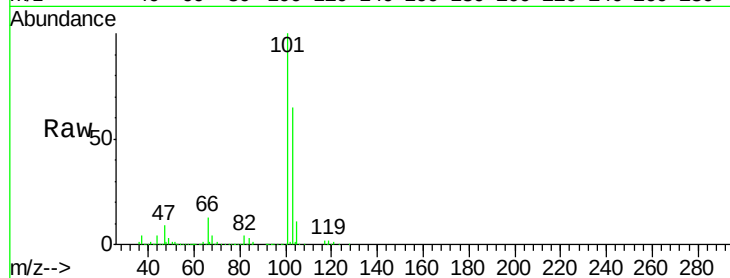
Trichlorofluoromethane  
Concen: 51.535 ug/l  
RT: 1.92 min Scan# 219  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.9  | 51.4  | 77.0  |

Manual Integrations  
APPROVED

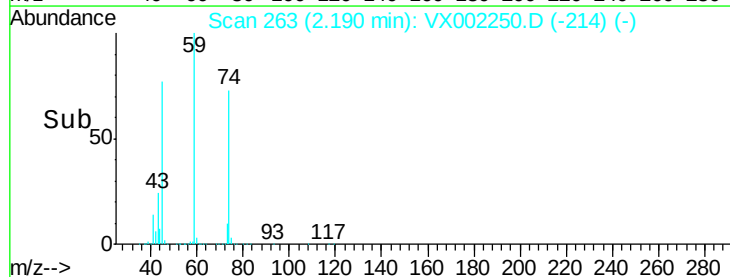
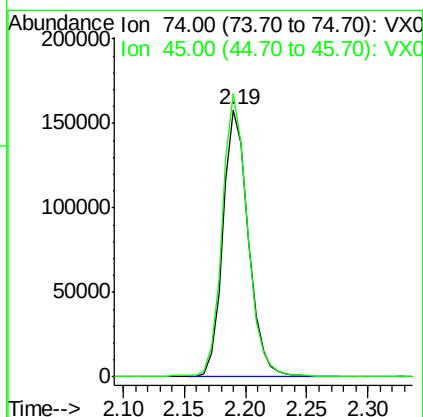
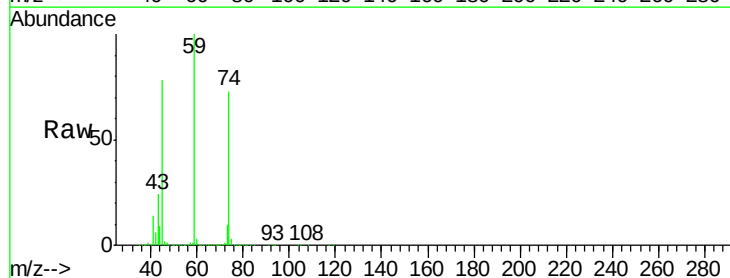
MMDadoda  
6/4/2018 2:31:53 PM



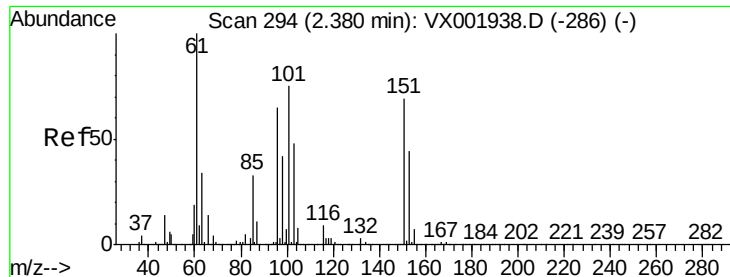
#8

Diethyl Ether  
Concen: 204.754 ug/l  
RT: 2.19 min Scan# 263  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 105.6 | 51.5  | 154.7 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.949 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

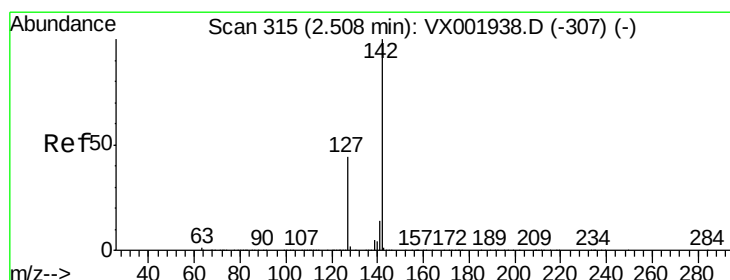
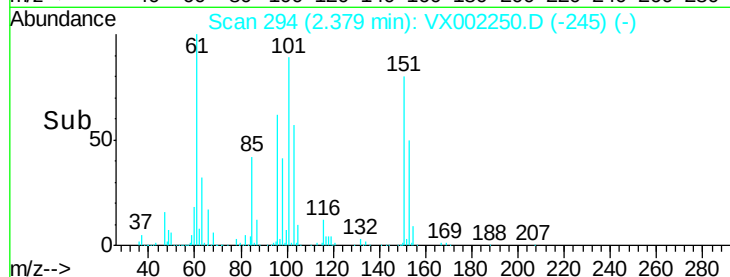
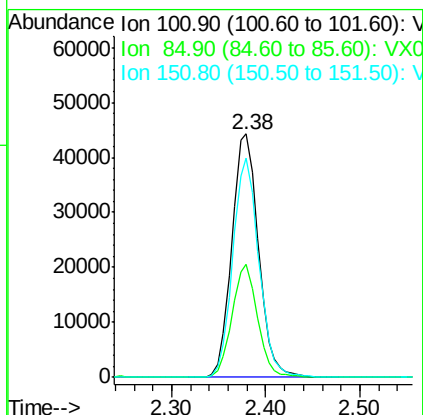
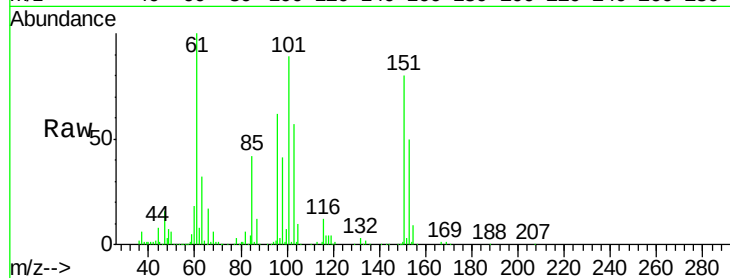
ClientSampleId :

LF6-0050MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 87326 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.6  | 35.6  | 53.4  |
| 151       | 88.1  | 73.2  | 109.8 |

Manual Integrations  
APPROVED

MMDadoda  
6/4/2018 2:31:53 PM



#10

Methyl Iodide

Concen: 56.146 ug/l

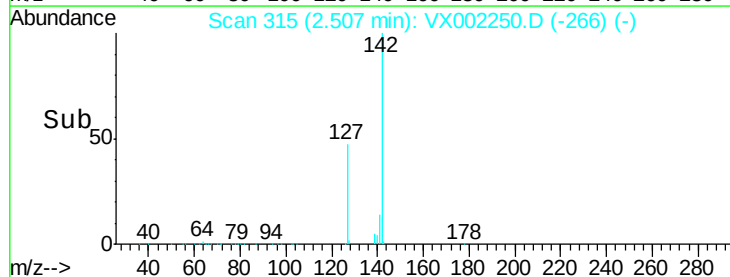
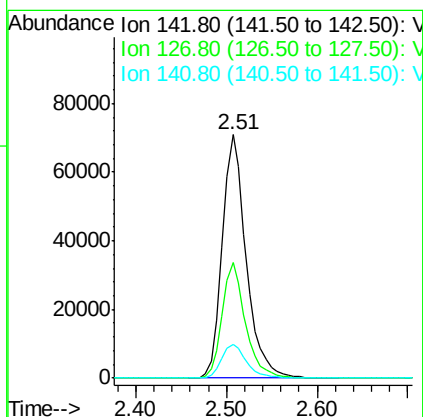
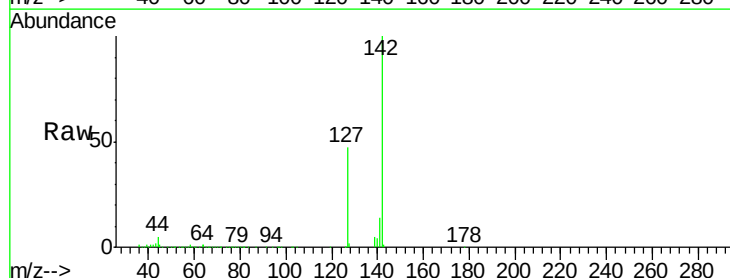
RT: 2.51 min Scan# 315

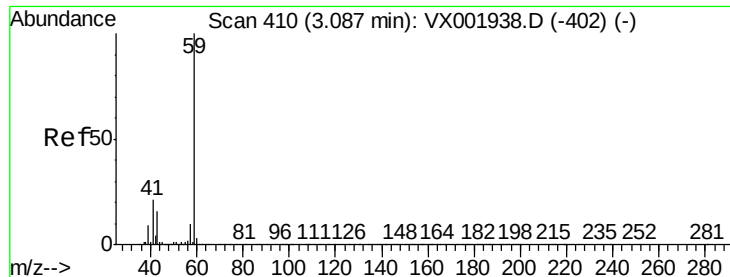
Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 130211 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 46.3  | 35.5  | 53.3   |
| 141       | 14.5  | 11.3  | 16.9   |





#11

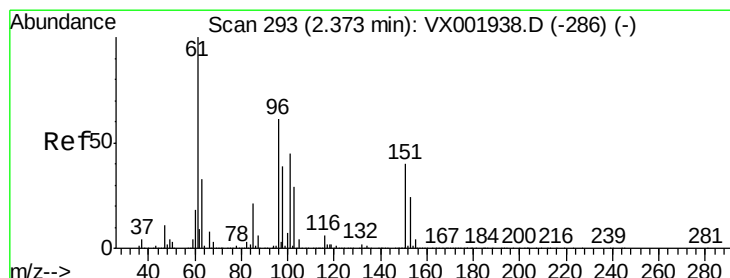
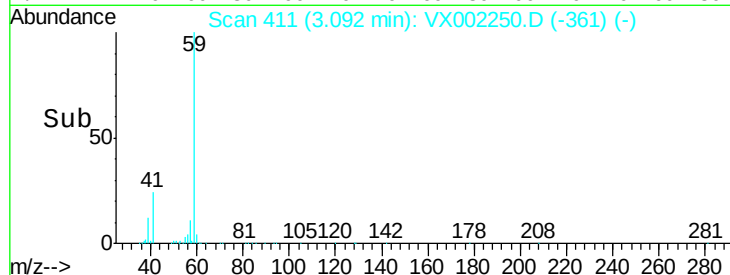
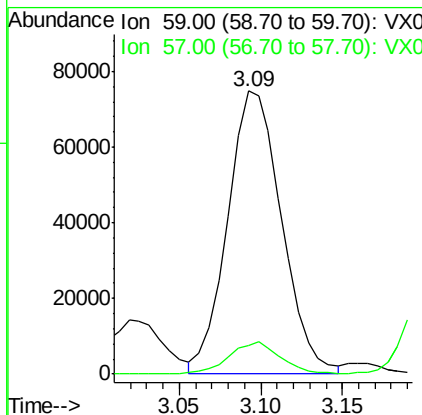
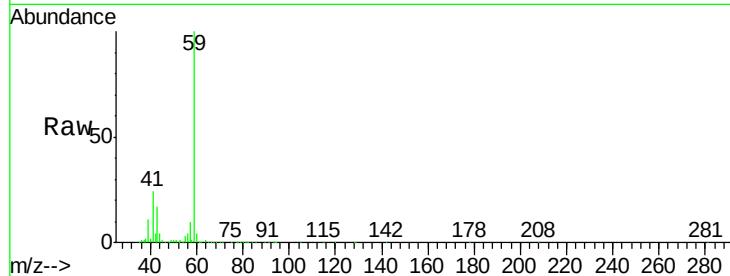
Tert butyl alcohol  
Concen: 356.880 ug/l  
RT: 3.09 min Scan# 411  
Delta R.T. 0.01 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.4  | 8.9   | 13.3  |

Manual Integrations  
APPROVED

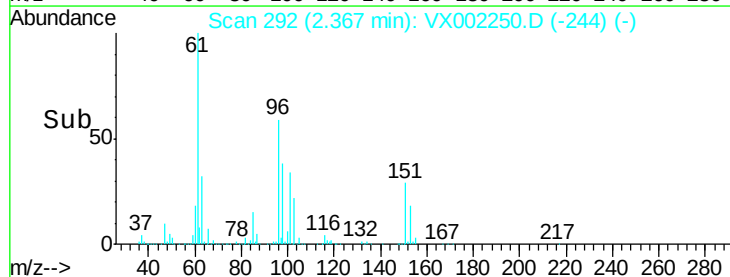
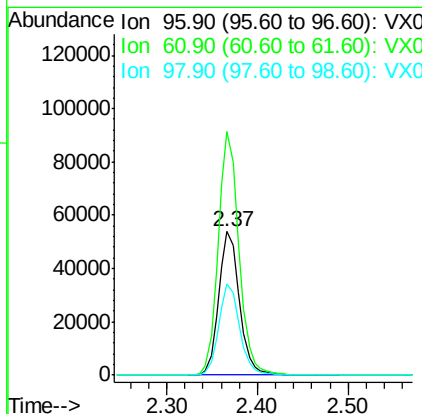
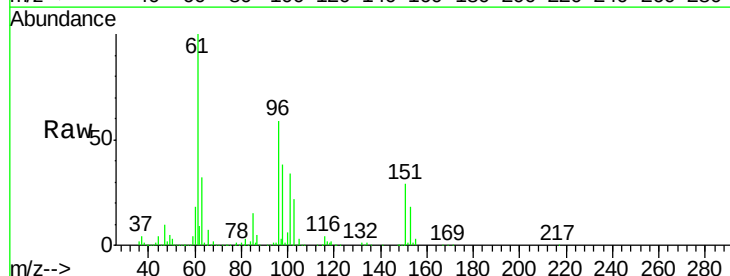
MMDadoda  
6/4/2018 2:31:53 PM

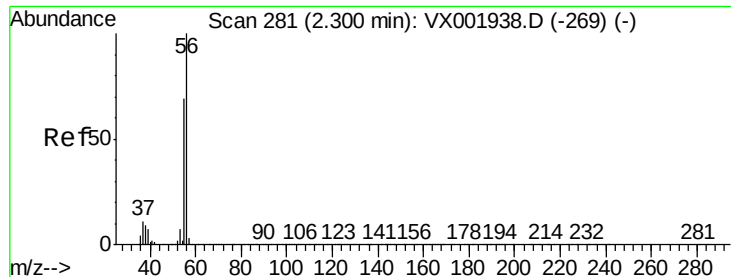


#12

1,1-Dichloroethene  
Concen: 53.882 ug/l  
RT: 2.37 min Scan# 292  
Delta R.T. -0.01 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 169.8 | 131.7 | 197.5 |
| 98      | 64.1  | 51.6  | 77.4  |





#13

Acrolein

Concen: 269.597 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0050MSD

Tot Ion: 56 Resp: 56309

Ion Ratio Lower Upper

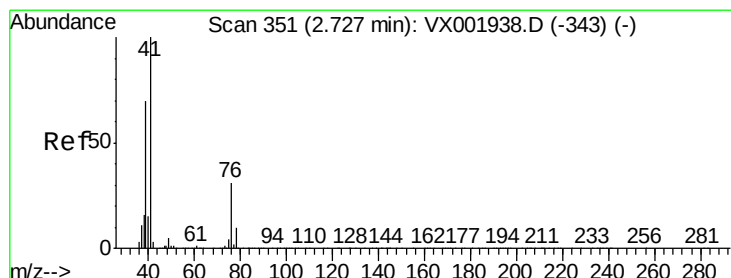
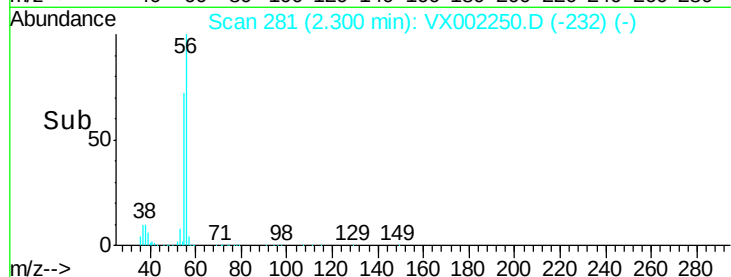
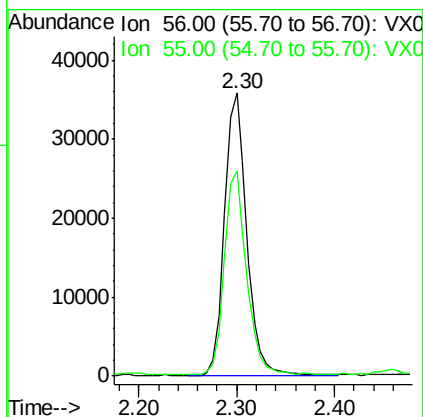
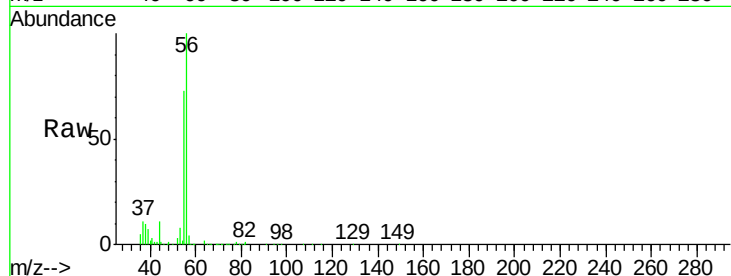
56 100

55 72.0 56.8 85.2

Manual Integrations  
APPROVED

MMDadoda

6/4/2018 2:31:53 PM



#14

Allyl chloride

Concen: 60.222 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

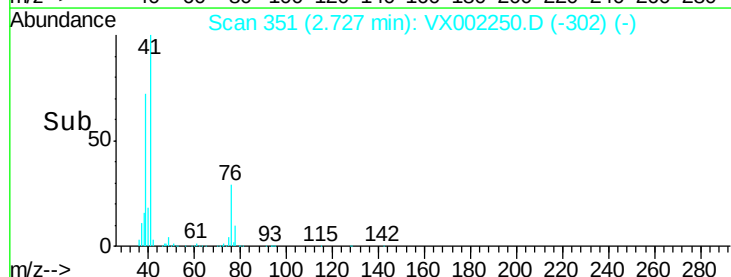
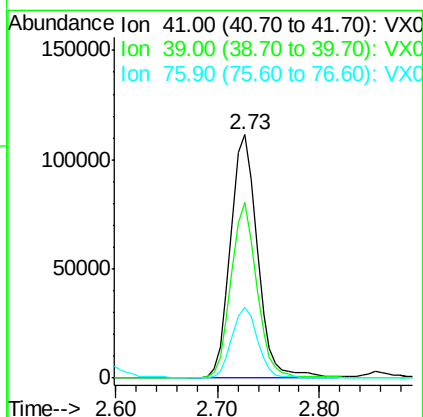
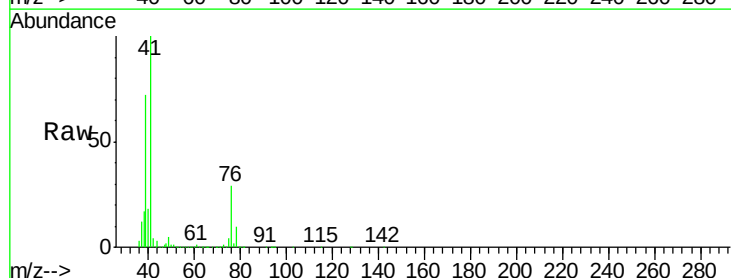
Tgt Ion: 41 Resp: 202857

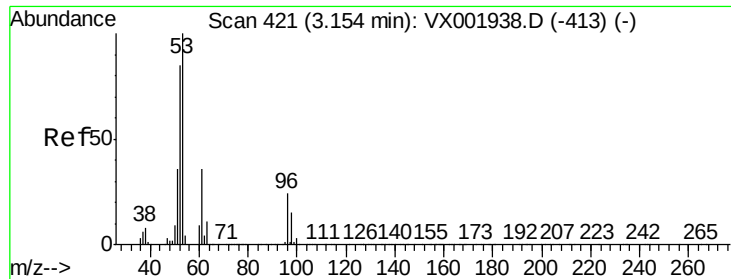
Ion Ratio Lower Upper

41 100

39 68.5 54.3 81.5

76 27.7 24.2 36.4





#15

Acrylonitrile

Concen: 389.015 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

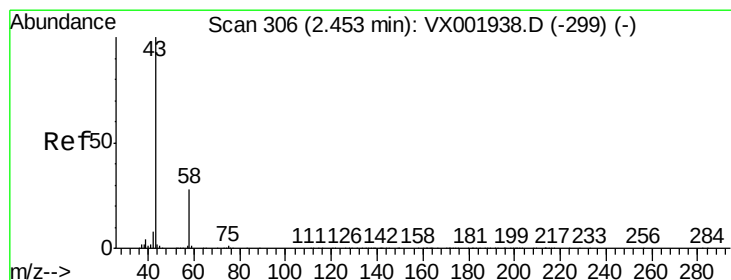
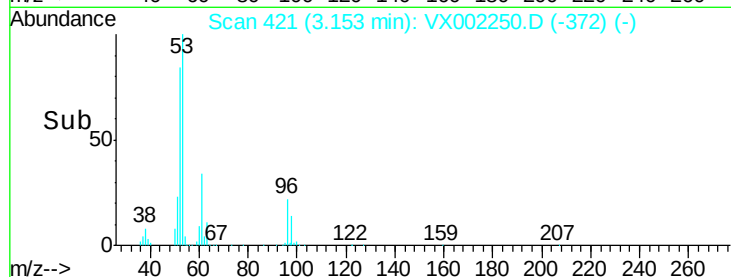
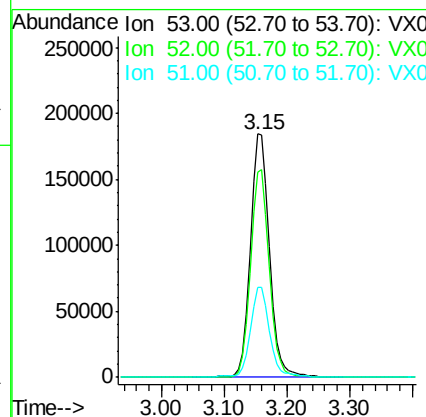
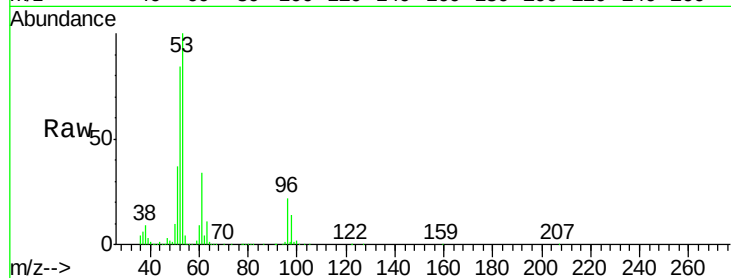
ClientSampleId :

LF6-0050MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 386439 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.3 | 66.4  | 99.6   |
| 51        | 36.9 | 29.3  | 43.9   |

Manual Integrations  
APPROVED

MMDadoda  
6/4/2018 2:31:53 PM



#16

Acetone

Concen: 376.689 ug/l

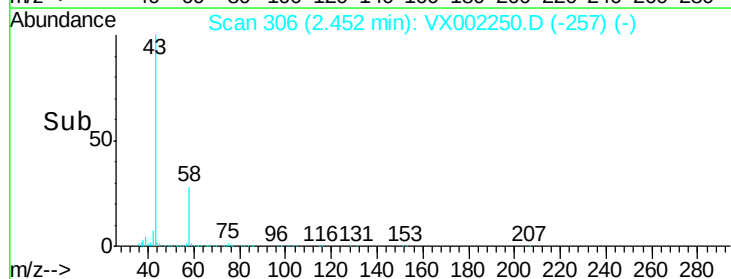
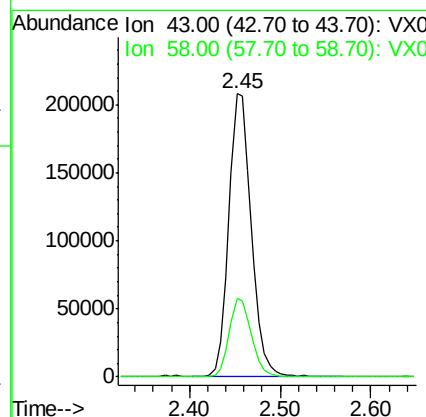
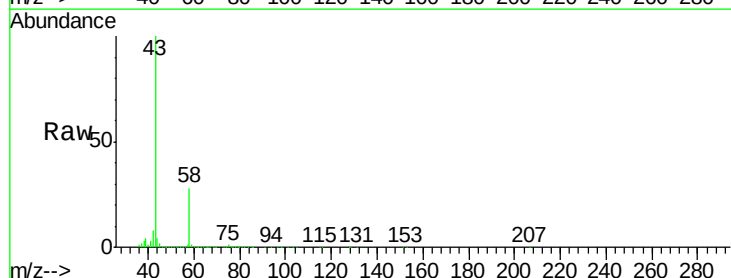
RT: 2.45 min Scan# 306

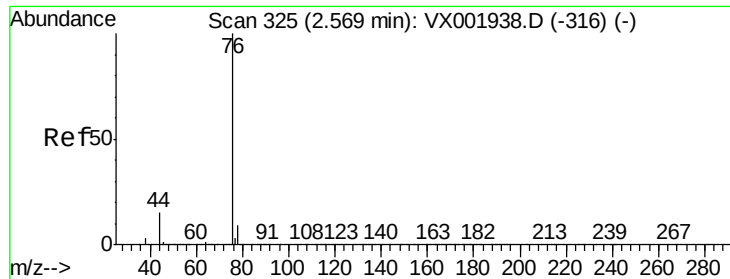
Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 357767 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 27.6 | 22.3  | 33.5   |





#17

Carbon Disulfide

Concen: 38.706 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0050MSD

Tot Ion: 76 Resp: 178761

Ion Ratio Lower Upper

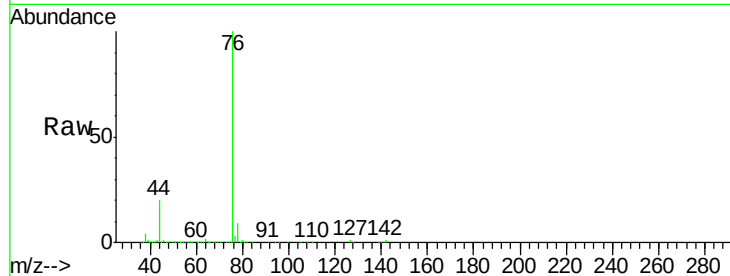
76 100

78 9.4 7.4 11.2

Manual Integrations  
APPROVED

MMDadoda

6/4/2018 2:31:53 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

120000

100000

80000

60000

40000

20000

0

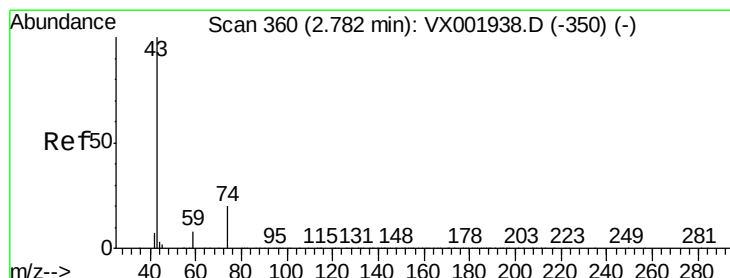
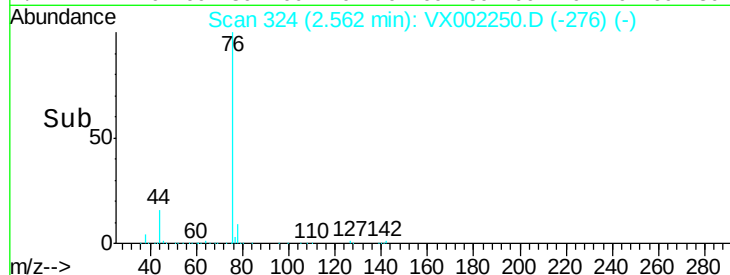
2.56

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 83.150 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002250.D

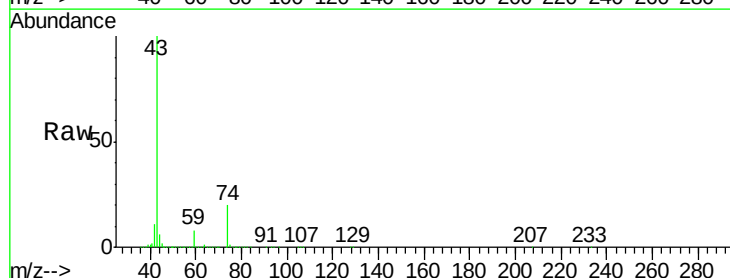
Acq: 02 Jun 2018 20:04

Tgt Ion: 43 Resp: 188520

Ion Ratio Lower Upper

43 100

74 20.7 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

60000

40000

20000

0

2.78

2.70

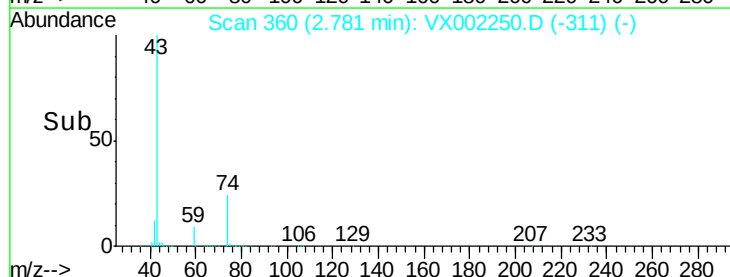
2.75

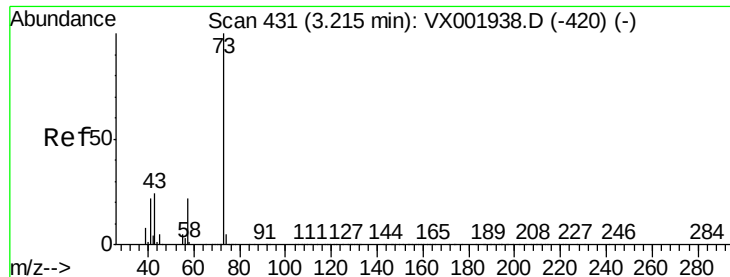
2.80

2.85

2.90

Time-->





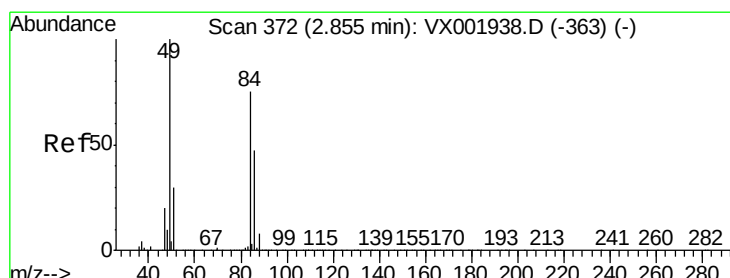
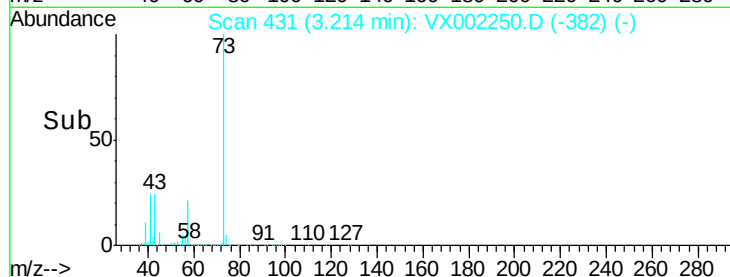
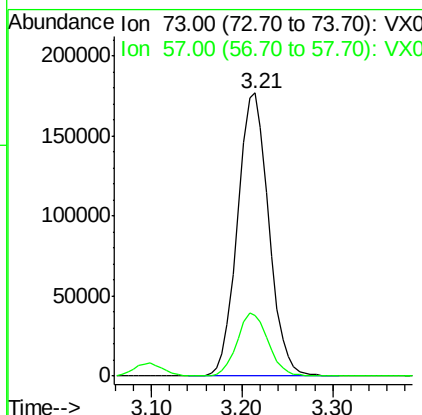
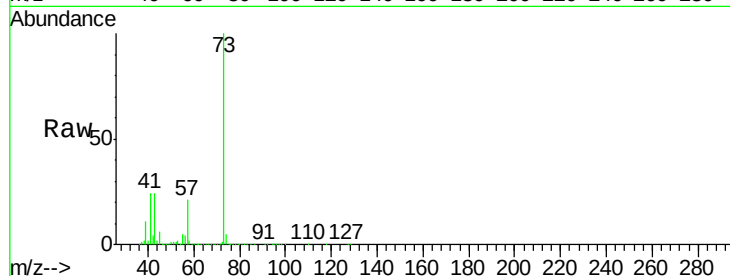
#19  
Methyl tert-butyl Ether  
Concen: 69.913 ug/l  
RT: 3.21 min Scan# 431  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.4  | 17.4  | 26.0  |

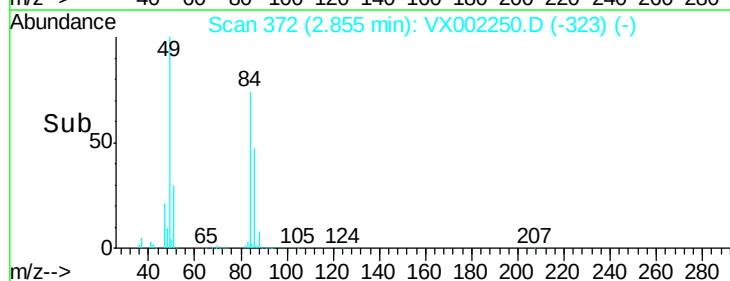
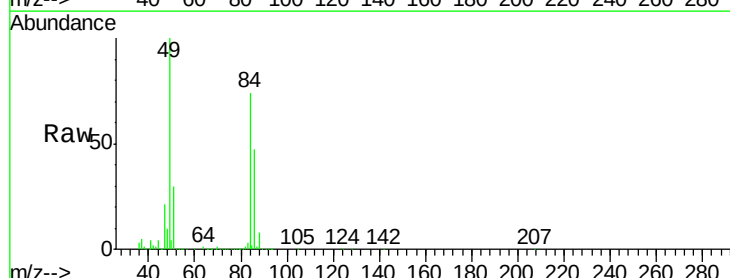
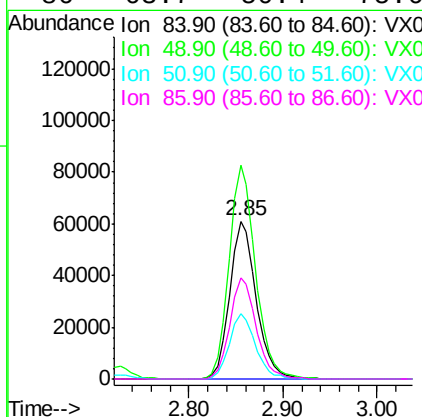
Manual Integrations  
APPROVED

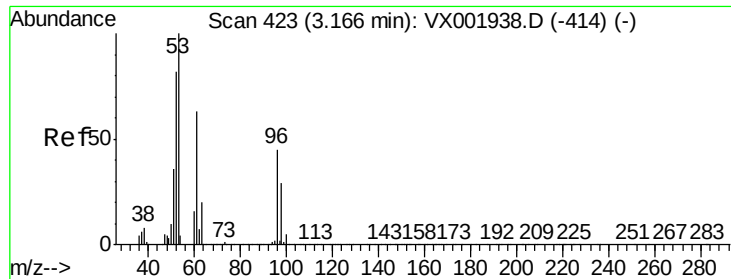
MMDadoda  
6/4/2018 2:31:53 PM



#20  
Methylene Chloride  
Concen: 73.153 ug/l  
RT: 2.85 min Scan# 372  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 135.0 | 107.2 | 160.8 |
| 51      | 40.9  | 32.4  | 48.6  |
| 86      | 63.7  | 50.4  | 75.6  |





#21

trans-1,2-Dichloroethene

Concen: 62.867 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

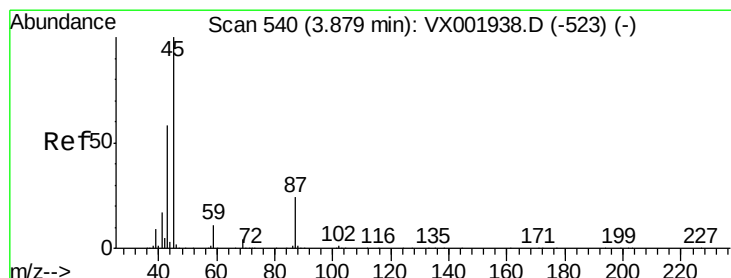
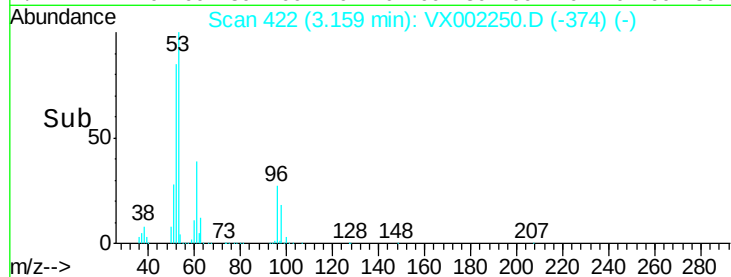
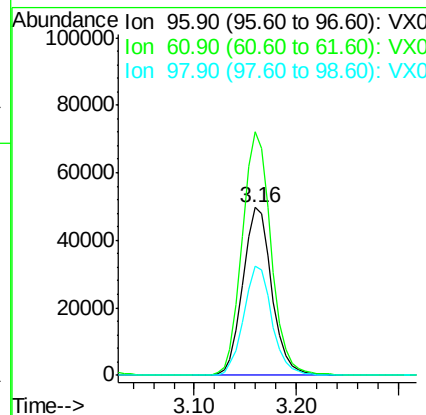
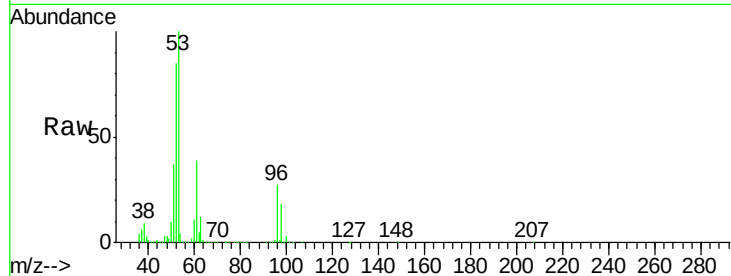
ClientSampleId :

LF6-0050MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 97583 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 145.0 | 113.3 | 169.9 |
| 98       | 64.9  | 51.7  | 77.5  |

Manual Integrations  
APPROVED

MMDadoda  
6/4/2018 2:31:53 PM



#22

Diisopropyl ether

Concen: 56.854 ug/l

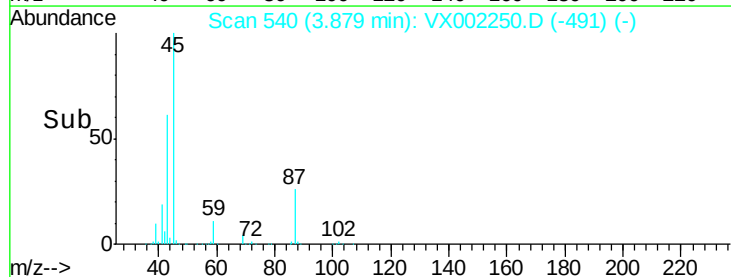
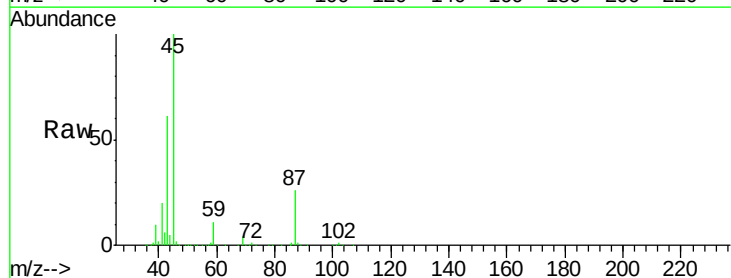
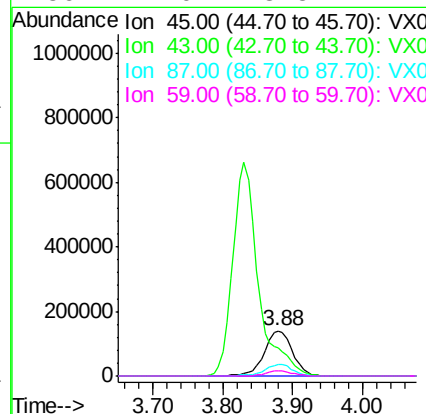
RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

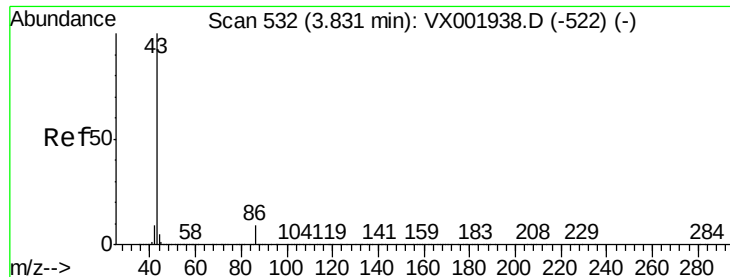
Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 389550 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 61.1  | 47.0  | 70.6   |
| 87       | 25.9  | 19.4  | 29.0   |
| 59       | 11.0  | 8.5   | 12.7   |







#23

Vinyl Acetate

Concen: 297.637 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0050MSD

Tot Ion: 43 Resp: 1690833

Ion Ratio Lower Upper

43 100

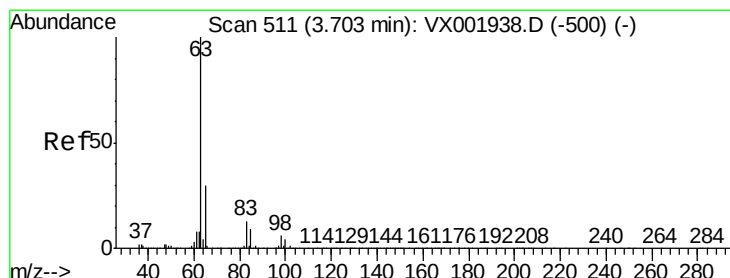
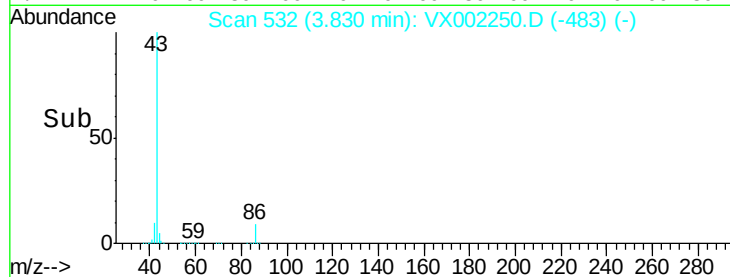
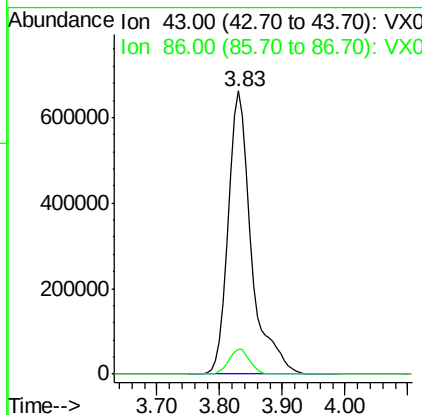
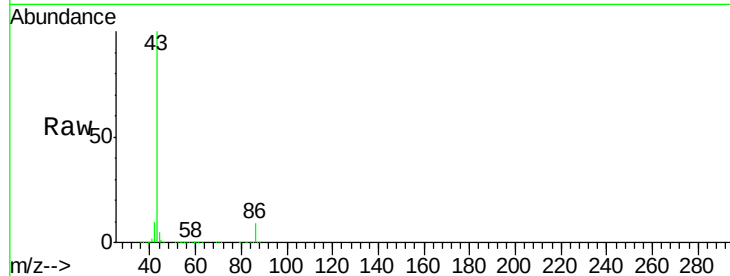
86 8.9 7.6 11.4

Manual Integrations

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6/4/2018 2:31:53 PM



#24

1,1-Dichloroethane

Concen: 66.084 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

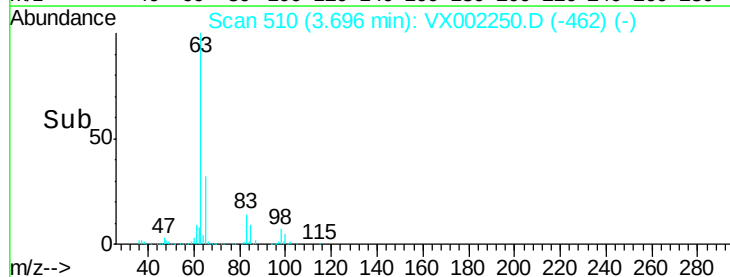
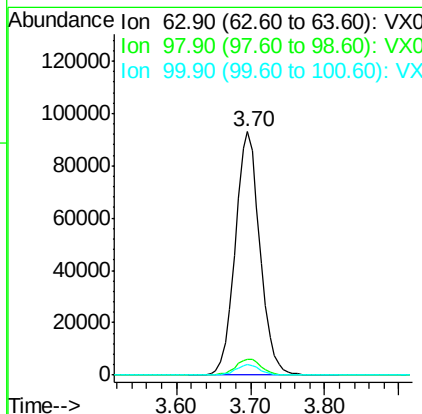
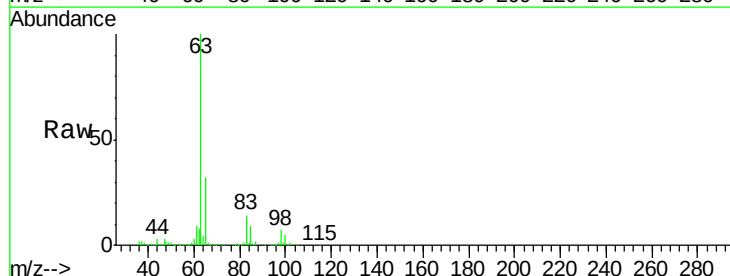
Tgt Ion: 63 Resp: 215087

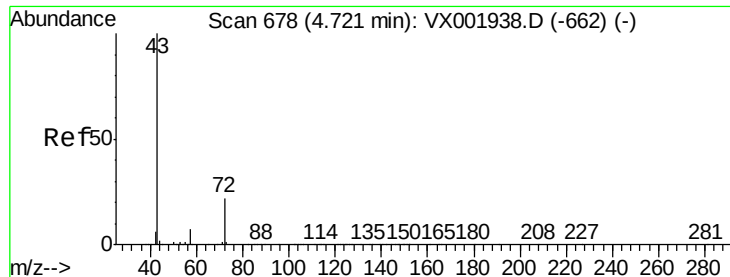
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.5 2.1 6.5





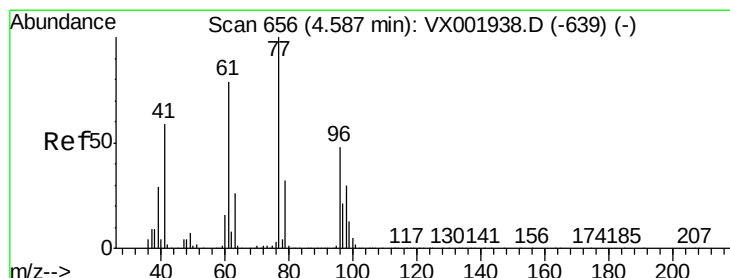
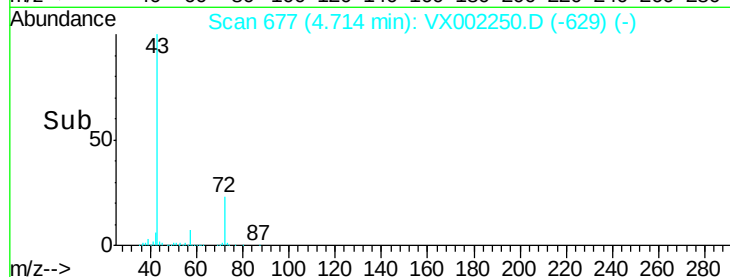
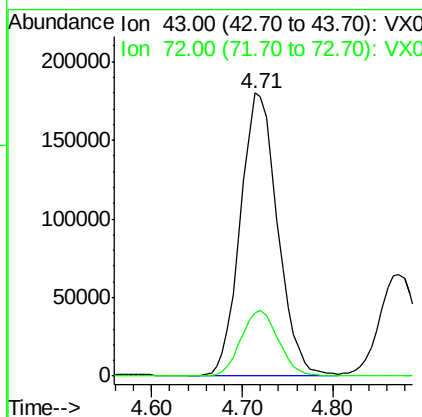
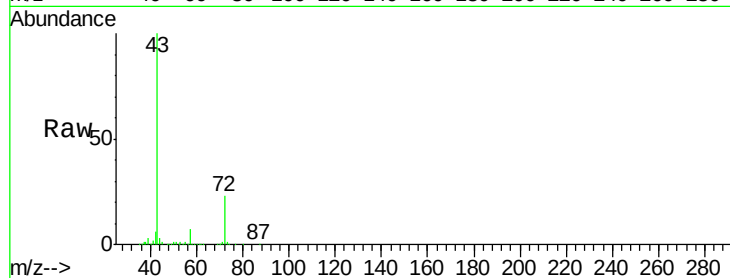
#25  
2-Butanone  
Concen: 293.602 ug/l  
RT: 4.71 min Scan# 677  
Delta R.T. -0.01 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

Tot Ion: 43 Resp: 511088  
Ion Ratio Lower Upper  
43 100  
72 22.5 17.9 26.9

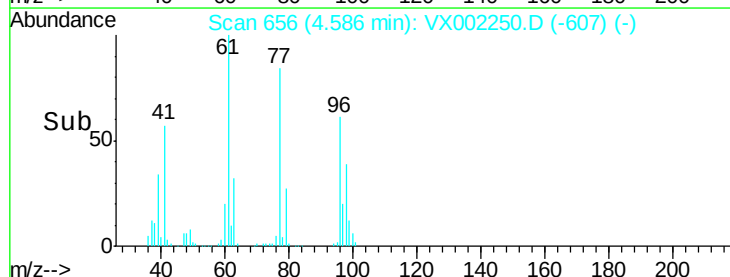
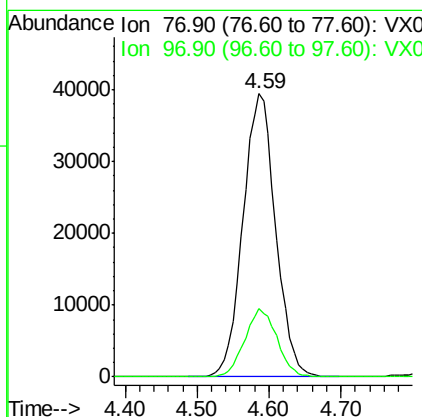
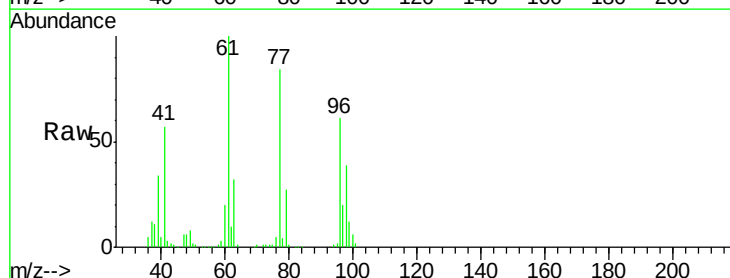
Manual Integrations  
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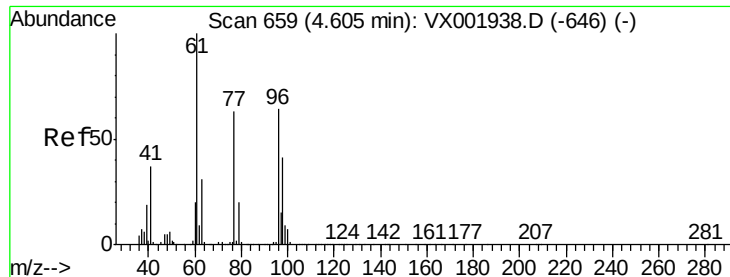
MMDadoda  
6/4/2018 2:31:53 PM



#26  
2,2-Dichloropropane  
Concen: 37.652 ug/l  
RT: 4.59 min Scan# 656  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Tgt Ion: 77 Resp: 124039  
Ion Ratio Lower Upper  
77 100  
97 23.7 11.2 33.5





#27

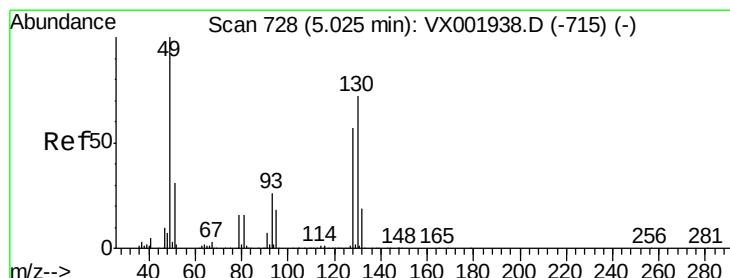
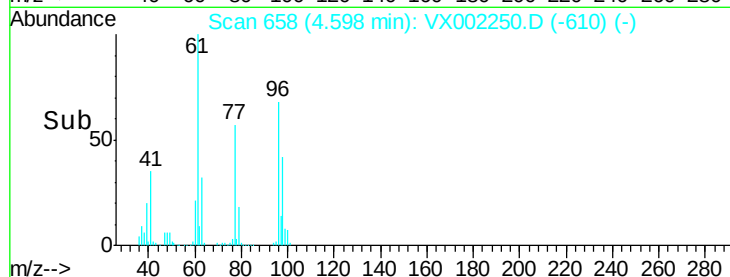
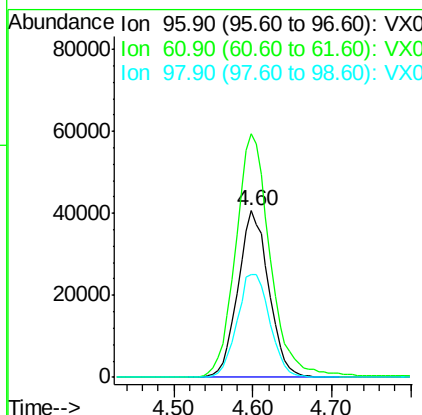
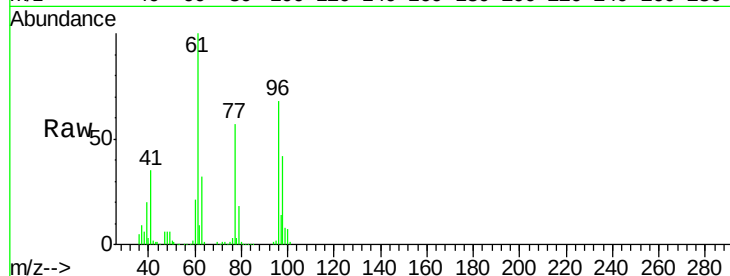
cis-1,2-Dichloroethene  
Concen: 52.755 ug/l  
RT: 4.60 min Scan# 658  
Delta R.T. -0.01 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 110394 |       |       |
| 61      | 164.5 | 0.0    | 348.4 |       |
| 98      | 66.1  | 0.0    | 128.6 |       |

Manual Integrations  
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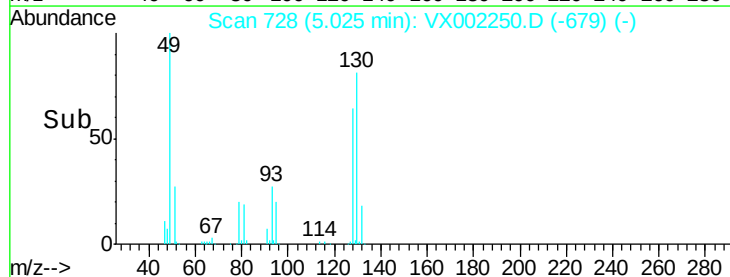
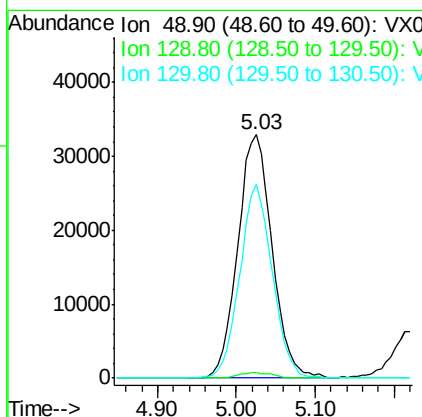
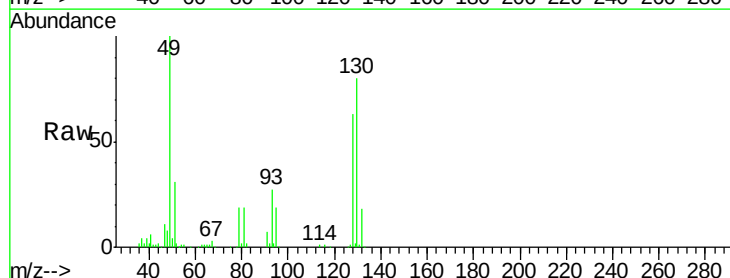
MMDadoda  
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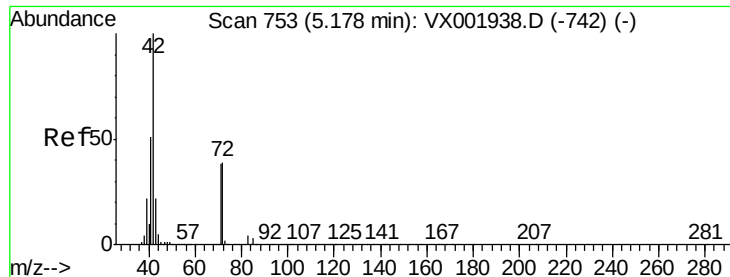


#28

Bromochloromethane  
Concen: 73.977 ug/l  
RT: 5.03 min Scan# 728  
Delta R.T. 0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 99833 |       |       |
| 129     | 2.2   | 0.0   | 3.8   |       |
| 130     | 75.3  | 59.4  | 89.2  |       |





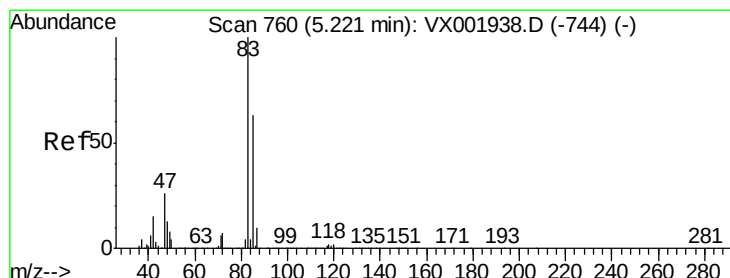
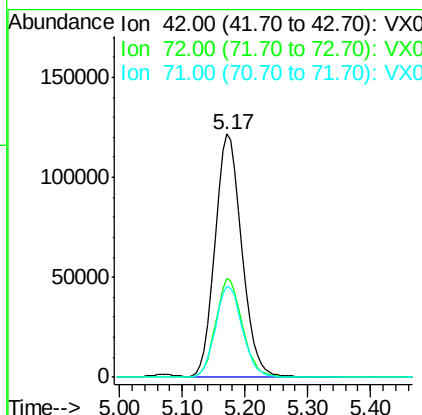
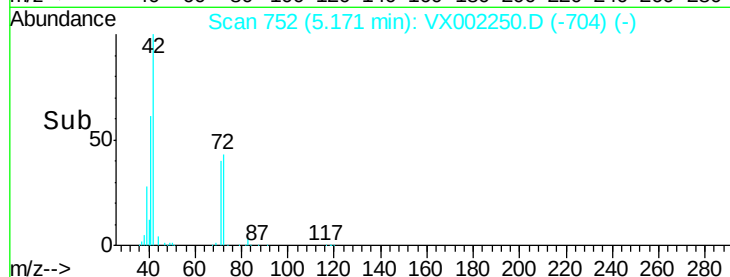
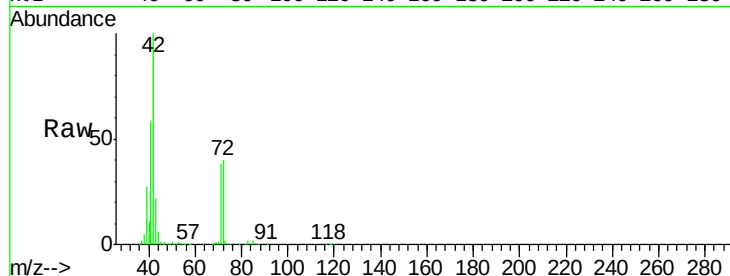
#29  
Tetrahydrofuran  
Concen: 316.311 ug/l  
RT: 5.17 min Scan# 752  
Delta R.T. -0.01 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.5  | 31.4  | 47.0  |
| 71      | 37.9  | 29.5  | 44.3  |

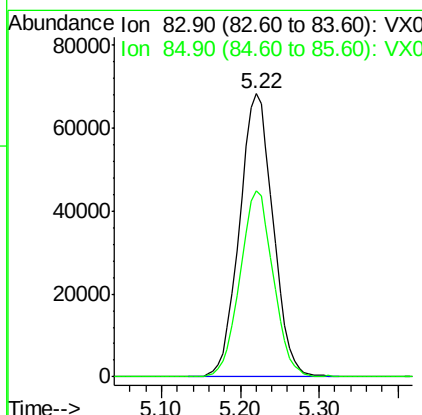
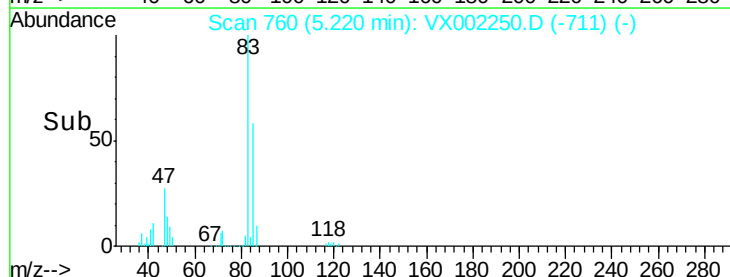
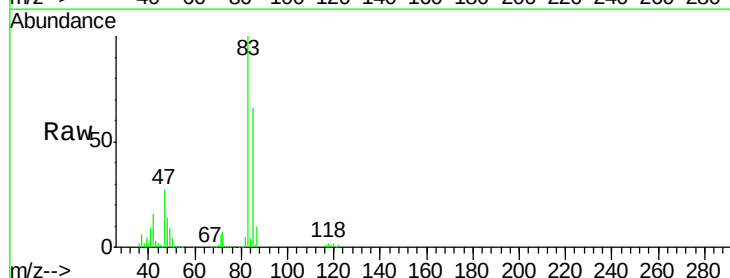
Manual Integrations  
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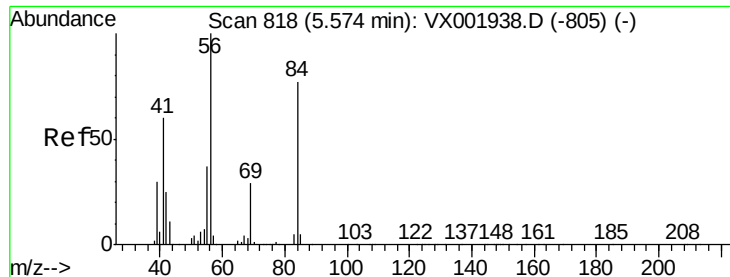
MMDadoda  
6/4/2018 2:31:53 PM



#30  
Chloroform  
Concen: 55.168 ug/l  
RT: 5.22 min Scan# 760  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.8  | 50.9  | 76.3  |





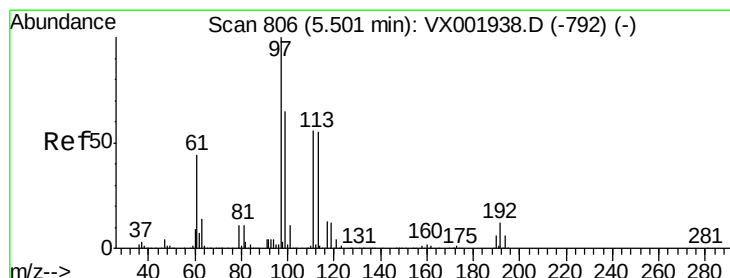
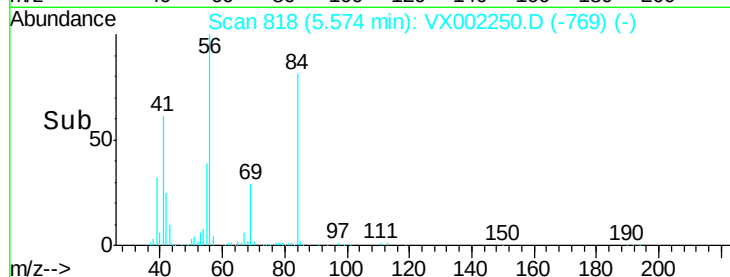
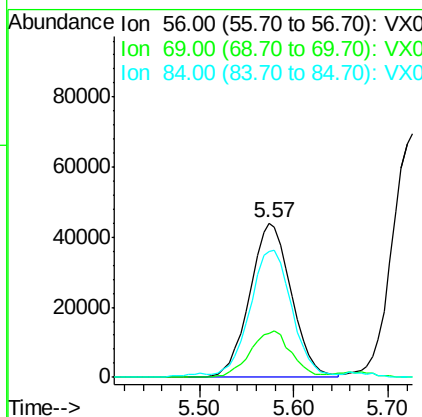
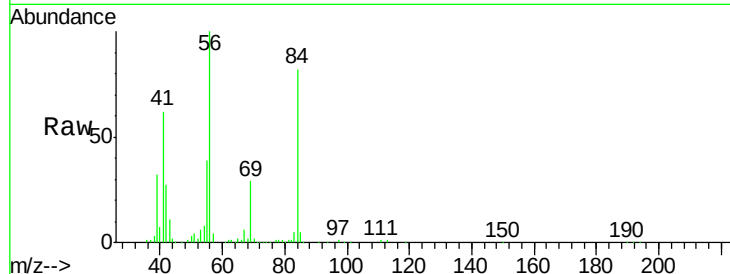
#31  
Cyclohexane  
Concen: 40.111 ug/l  
RT: 5.57 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 28.5  | 23.1  | 34.7  |
| 84      | 80.1  | 62.0  | 93.0  |

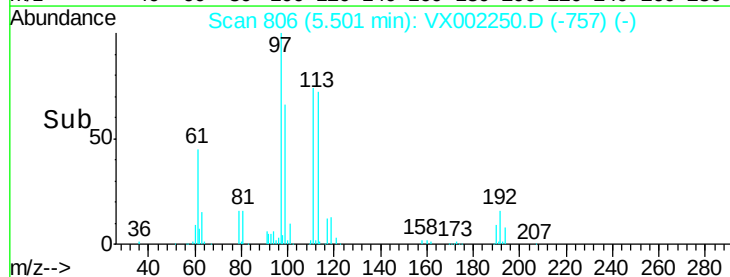
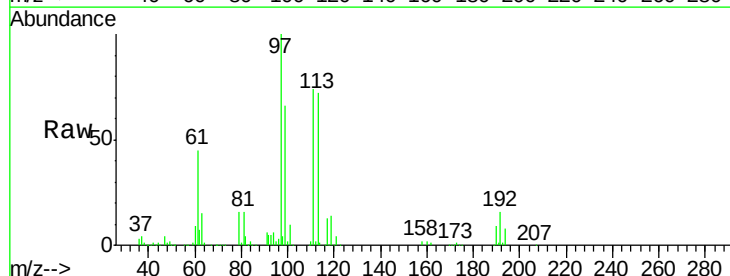
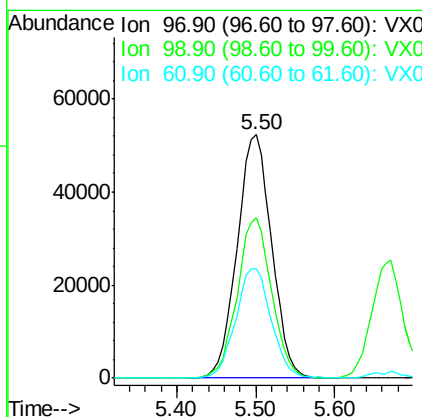
Manual Integrations  
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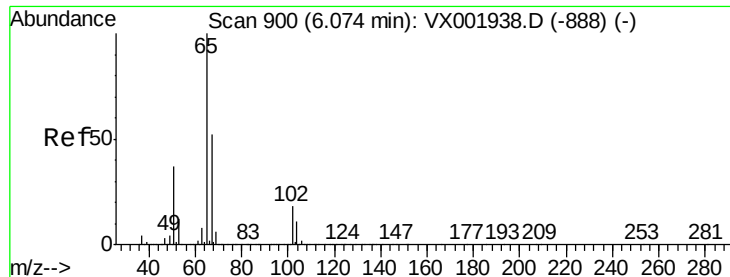
MMDadoda  
6/4/2018 2:31:53 PM



#32  
1,1,1-Trichloroethane  
Concen: 46.654 ug/l  
RT: 5.50 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.5  | 51.9  | 77.9  |
| 61      | 46.3  | 35.9  | 53.9  |





#33

1,2-Dichloroethane-d4

Concen: 63.424 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0050MSD

Tot Ion: 65 Resp: 156085

Ion Ratio Lower Upper

65 100

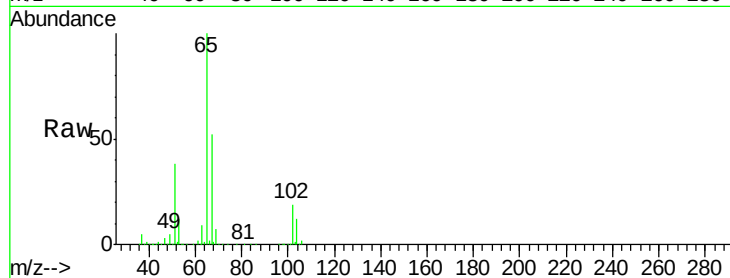
67 52.9 0.0 104.0

Manual Integrations

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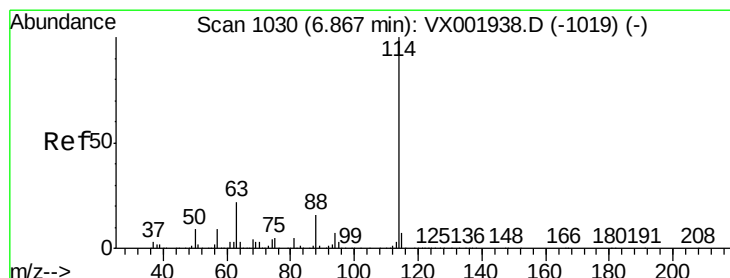
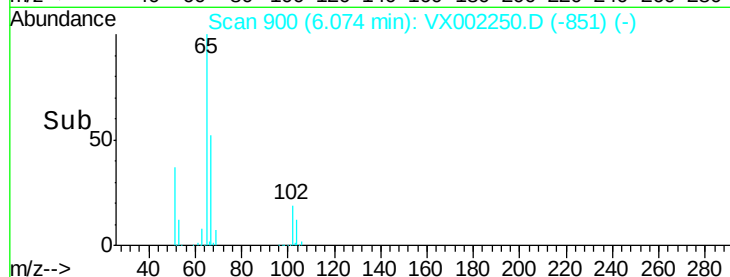
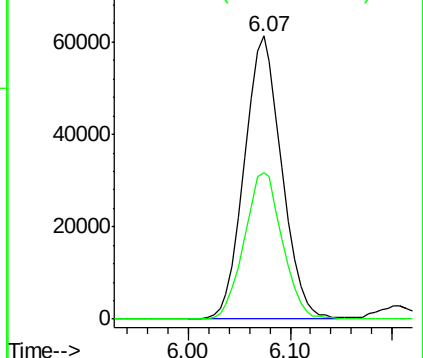
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

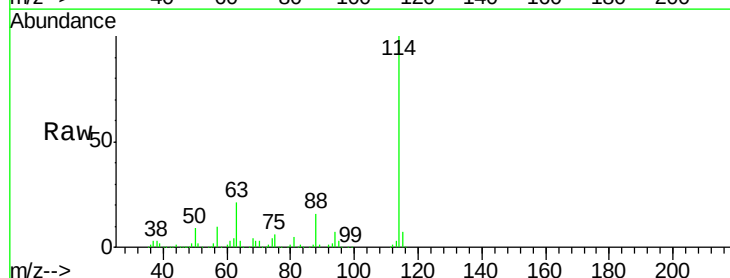
Tgt Ion: 114 Resp: 215369

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

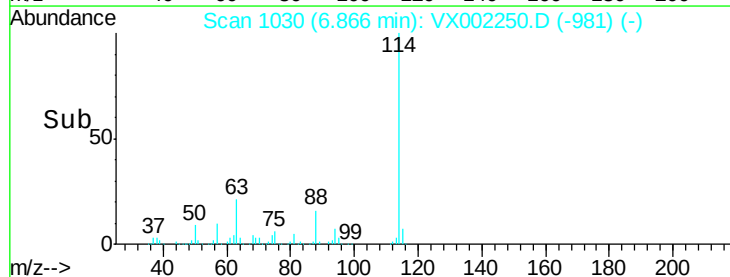
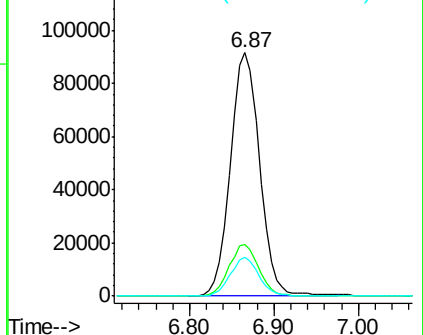
88 15.9 0.0 31.6

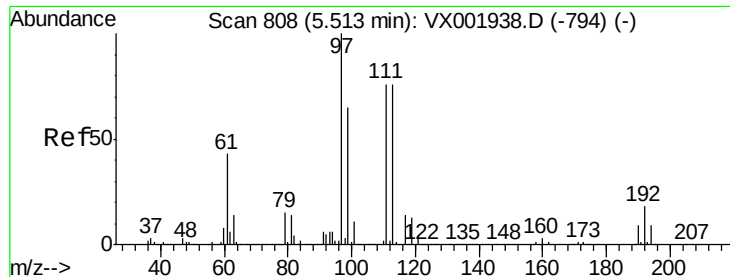


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





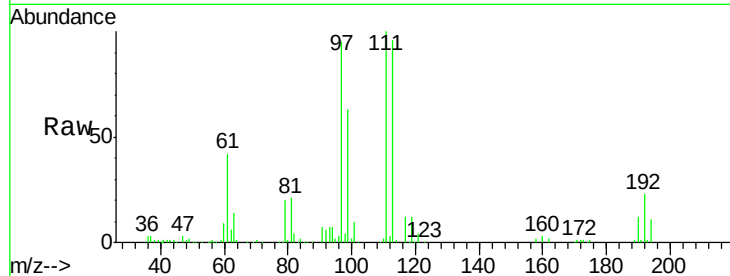
#35  
 Dibromofluoromethane  
 Concen: 54.370 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0050MSD

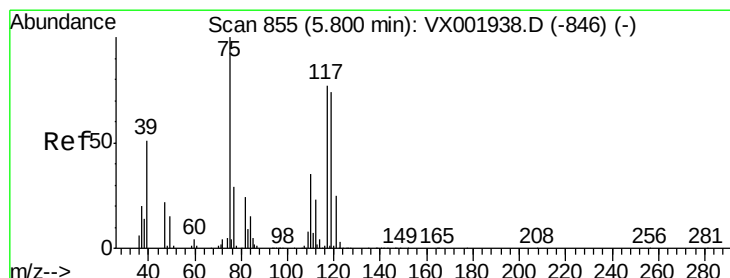
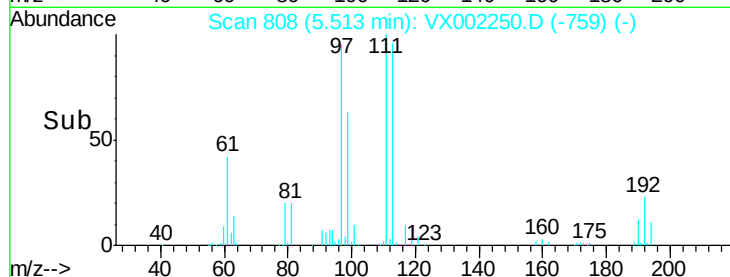
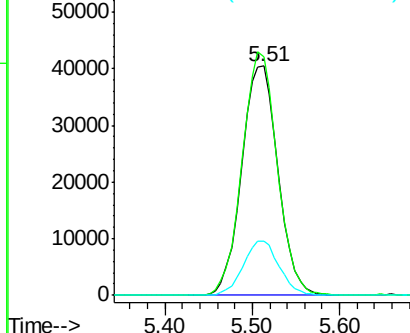
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 117096 |       |       |
| 111     | 102.6 | 82.0   | 123.0 |       |
| 192     | 23.4  | 18.9   | 28.3  |       |

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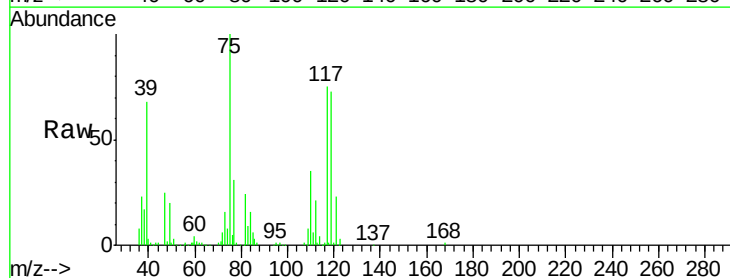


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

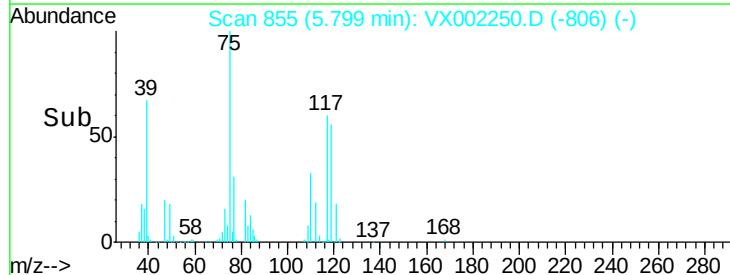
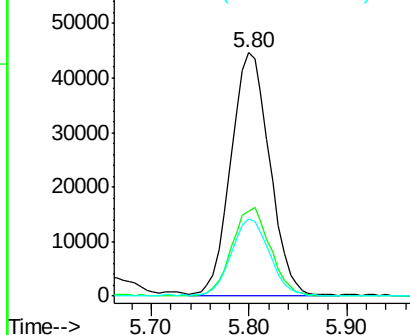


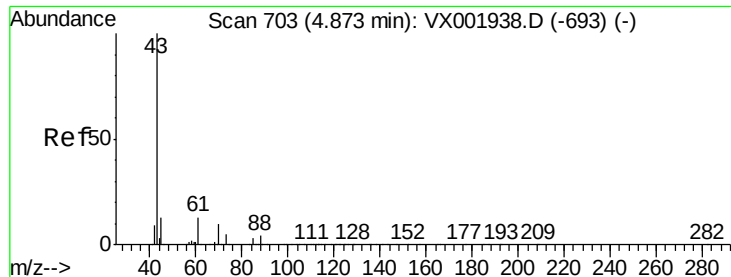
#36  
 1,1-Dichloropropene  
 Concen: 40.707 ug/l  
 RT: 5.80 min Scan# 855  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 121947 |       |       |
| 110     | 36.6  | 17.4   | 52.2  |       |
| 77      | 31.1  | 24.4   | 36.6  |       |



Abundance Ion 74.90 (74.60 to 75.60): VX0  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VX0





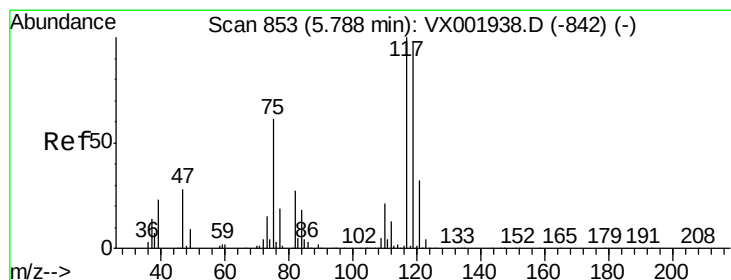
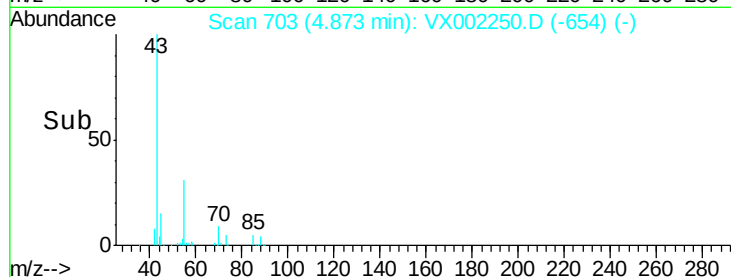
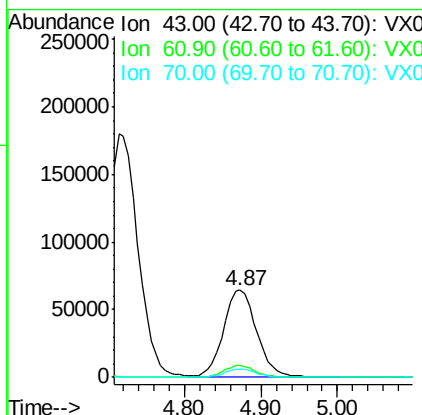
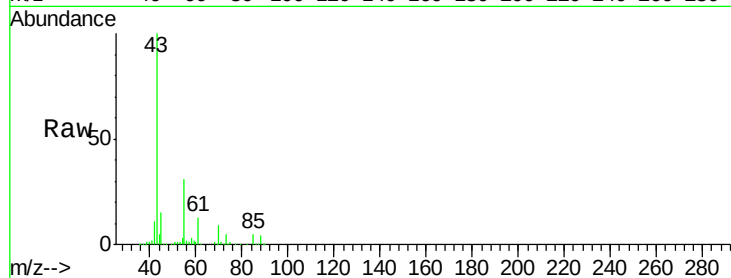
#37  
Ethyl Acetate  
Concen: 49.226 ug/l  
RT: 4.87 min Scan# 703  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.4  | 10.2  | 15.2  |
| 70      | 9.3   | 7.8   | 11.8  |

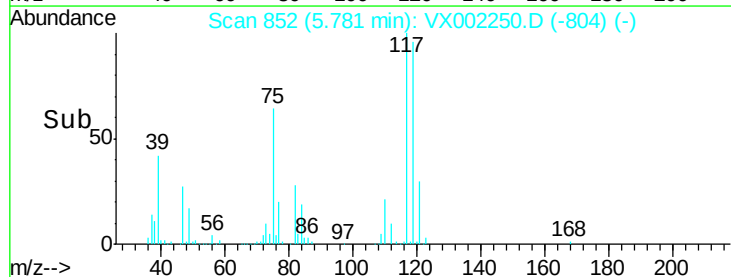
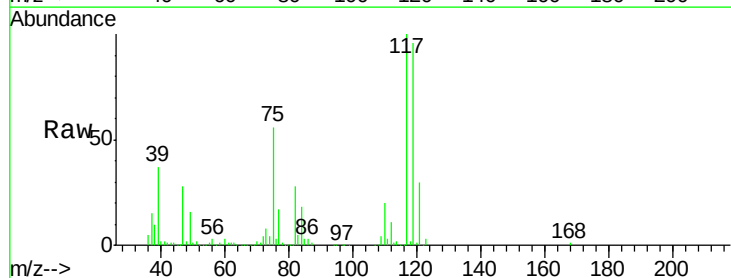
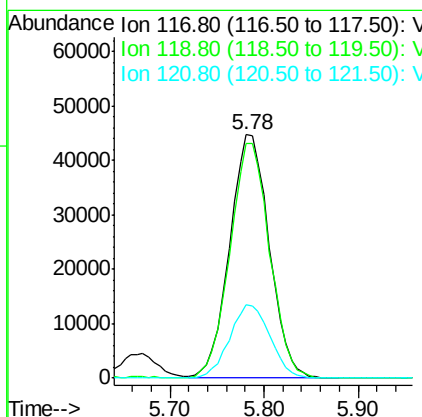
Manual Integrations  
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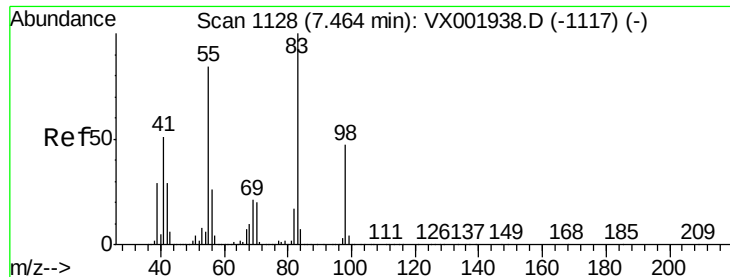


#38  
Carbon Tetrachloride  
Concen: 37.424 ug/l  
RT: 5.78 min Scan# 852  
Delta R.T. -0.01 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.5  | 78.5  | 117.7 |
| 121     | 30.0  | 25.5  | 38.3  |







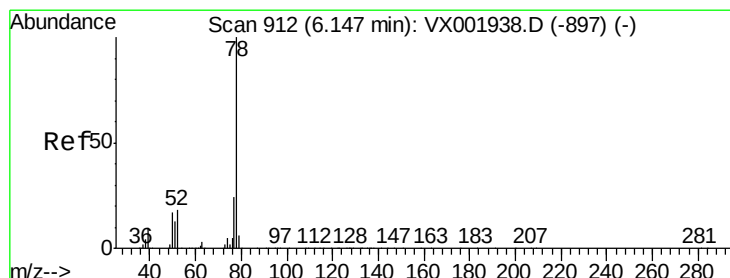
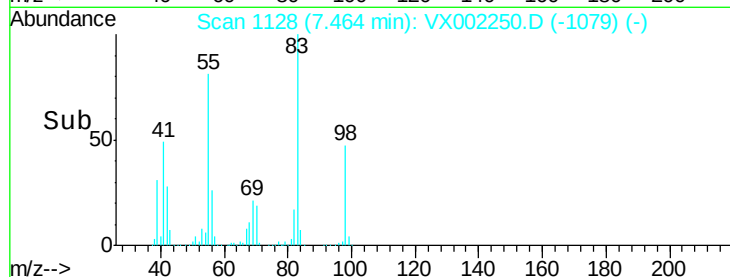
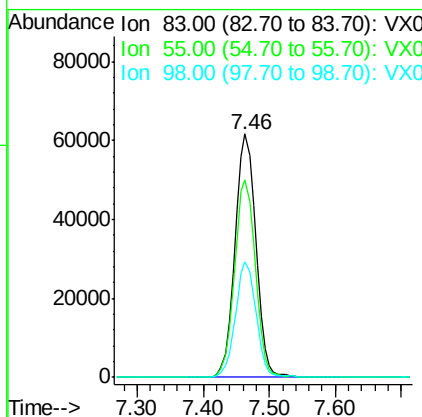
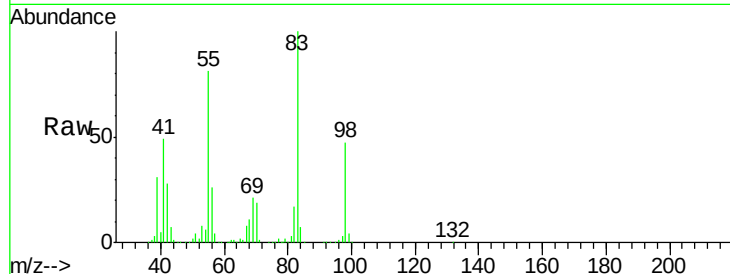
#39  
Methylvlcyclohexane  
Concen: 36.817 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion   | 83    | Resp  | 135498 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 81.0  | 67.3  | 100.9  |
| 98        | 47.3  | 37.5  | 56.3   |

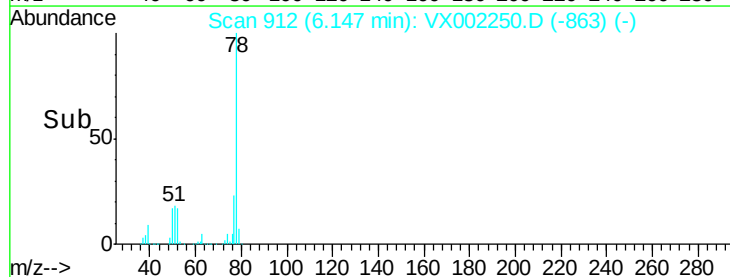
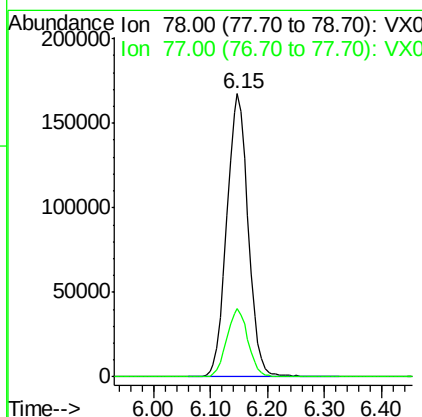
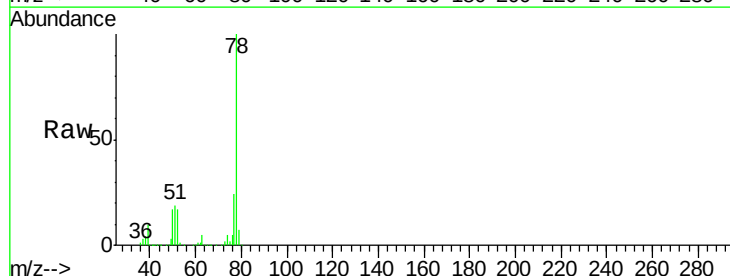
Manual Integrations  
APPROVED

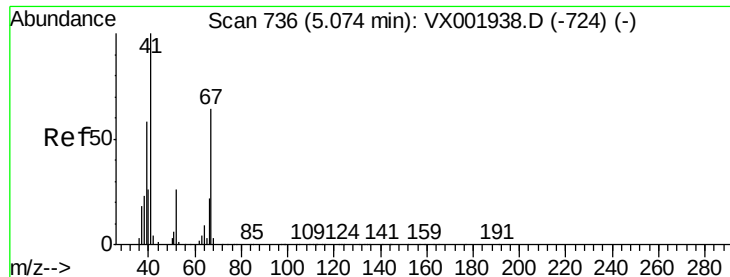
MMDadoda  
6/4/2018 2:31:53 PM



#40  
Benzene  
Concen: 50.016 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion   | 78    | Resp  | 438965 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.9  | 19.1  | 28.7   |





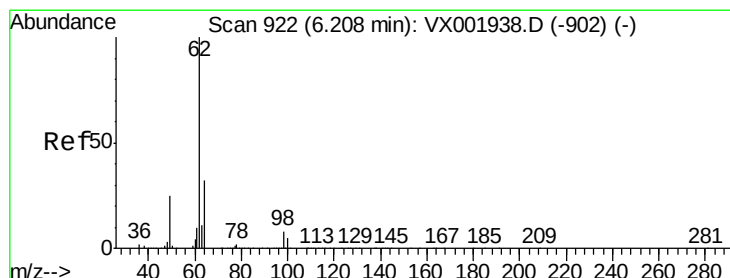
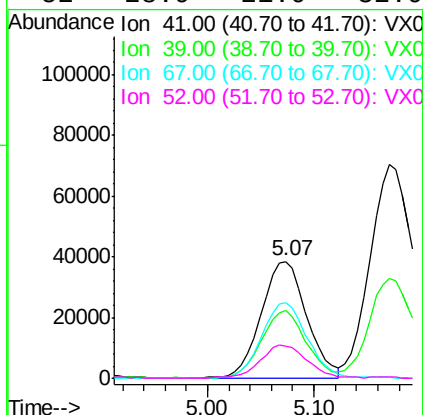
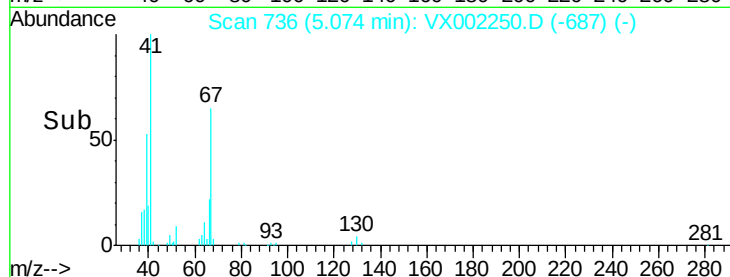
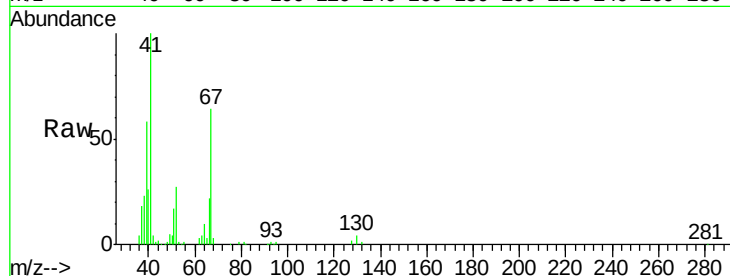
#41  
Methacrylonitrile  
Concen: 55.574 ug/l  
RT: 5.07 min Scan# 736  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampled :  
LF6-0050MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 114223 |       |       |
| 39      | 56.9 | 46.0  | 69.0   |       |       |
| 67      | 65.2 | 50.6  | 75.8   |       |       |
| 52      | 28.9 | 21.9  | 32.9   |       |       |

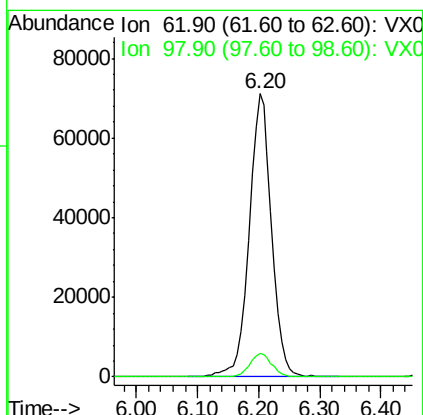
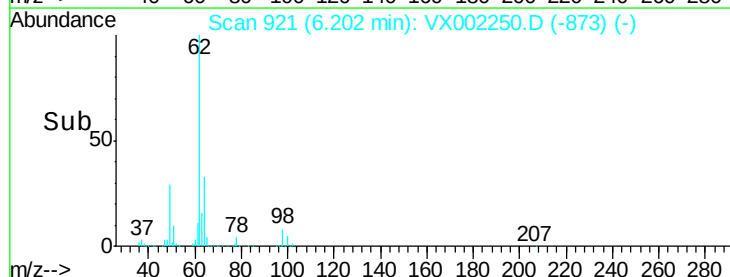
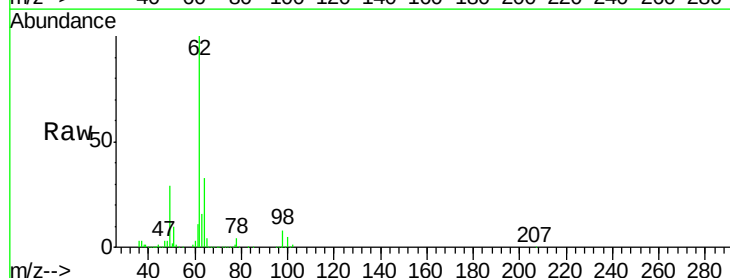
Manual Integrations  
APPROVED

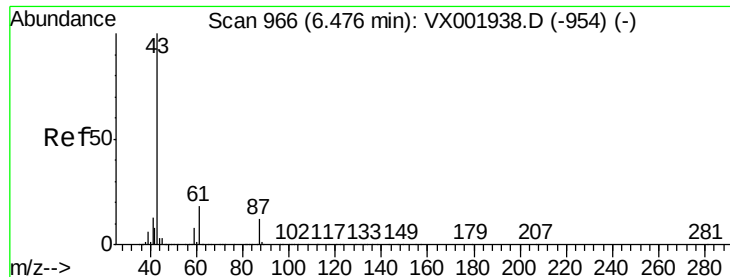
MMDadoda  
6/4/2018 2:31:53 PM



#42  
1,2-Dichloroethane  
Concen: 51.932 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. -0.01 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 182058 |       |       |
| 98      | 8.3 | 0.0   | 17.0   |       |       |





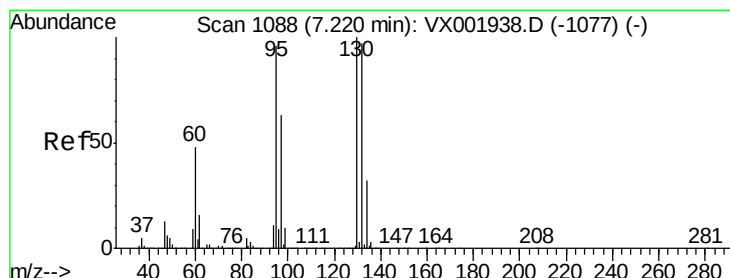
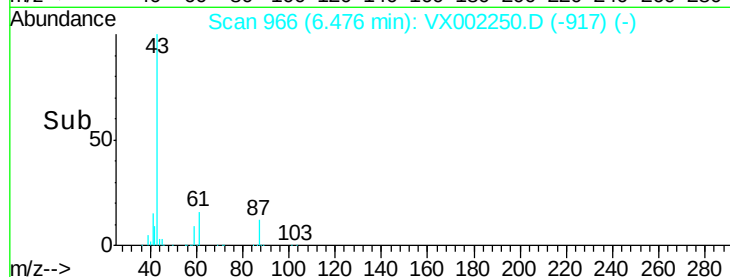
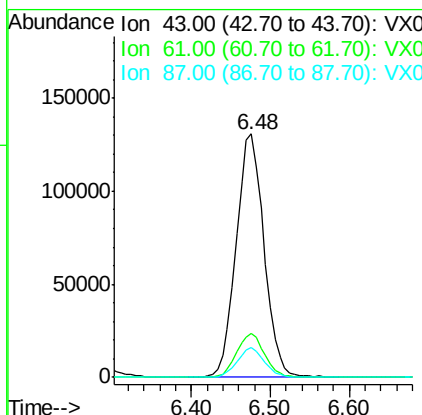
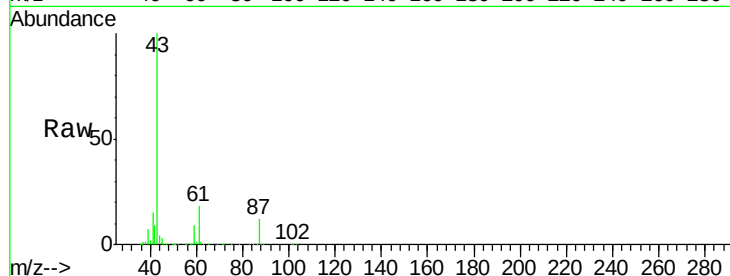
#43  
Isopropyl Acetate  
Concen: 49.242 ug/l  
RT: 6.48 min Scan# 966  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.1  | 14.5  | 21.7  |
| 87      | 11.9  | 9.5   | 14.3  |

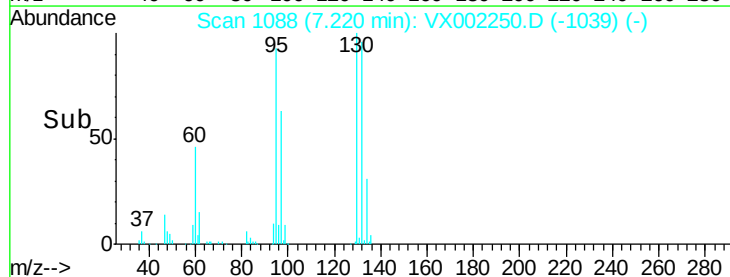
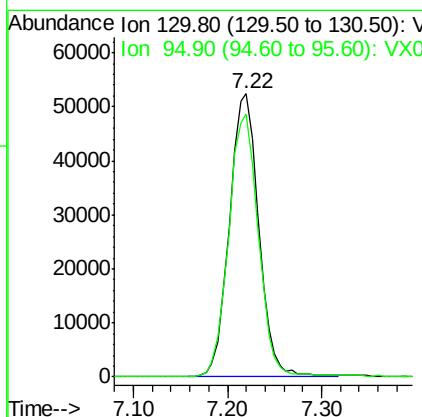
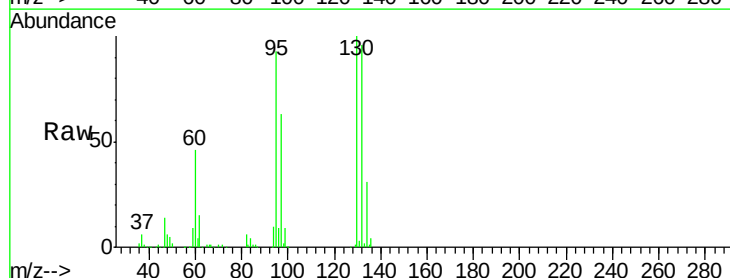
Manual Integrations  
APPROVED

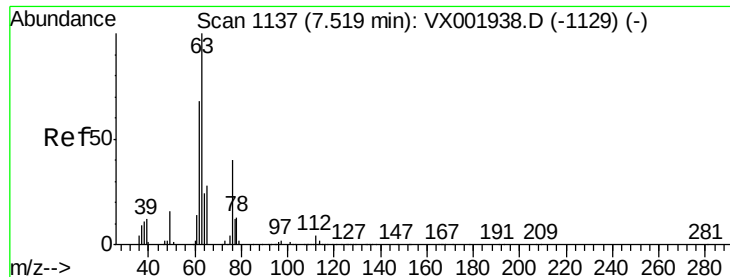
MMDadoda  
6/4/2018 2:31:53 PM



#44  
Trichloroethene  
Concen: 44.325 ug/l  
RT: 7.22 min Scan# 1088  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.9  | 0.0   | 192.0 |





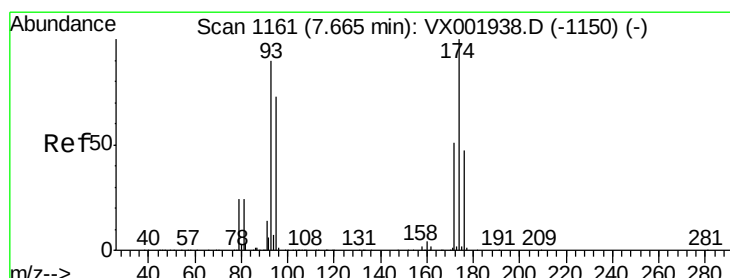
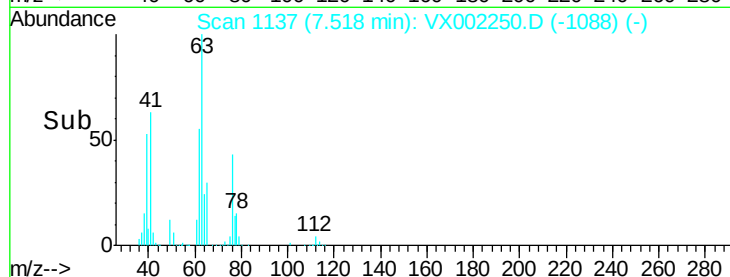
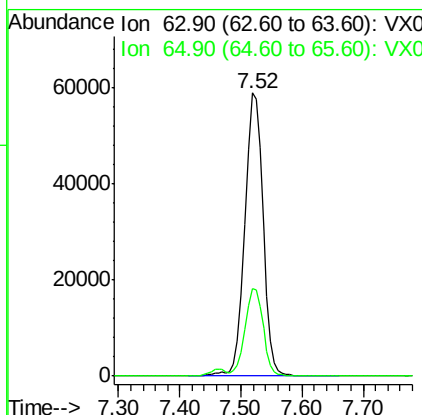
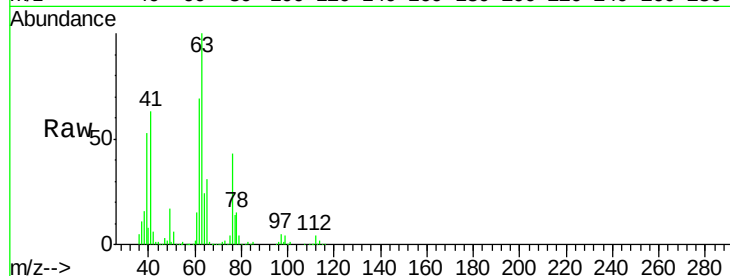
#45  
 1,2-Dichloropropane  
 Concen: 51.615 ug/l  
 RT: 7.52 min Scan# 1137  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.8  | 24.1  | 36.1  |

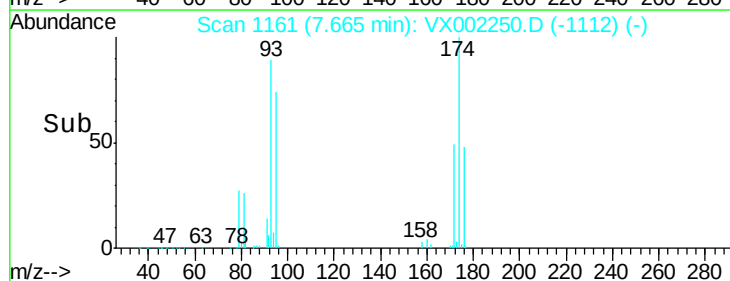
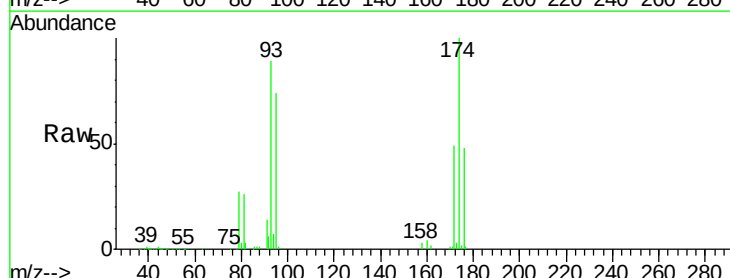
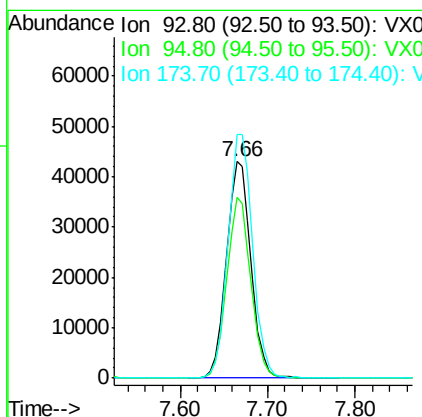
Manual Integrations  
 APPROVED

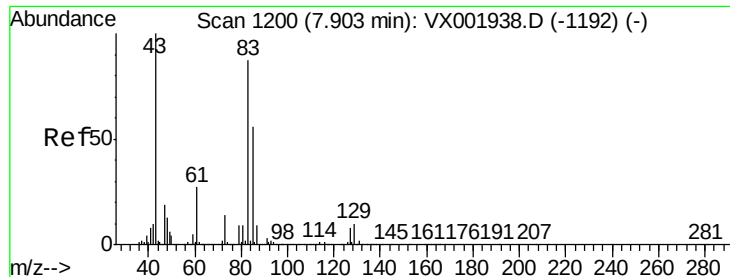
MMDadoda  
 6/4/2018 2:31:53 PM



#46  
 Dibromomethane  
 Concen: 52.864 ug/l  
 RT: 7.66 min Scan# 1161  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.3  | 66.1  | 99.1  |
| 174     | 114.0 | 92.5  | 138.7 |





#47

Bromodichloromethane

Concen: 43.603 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

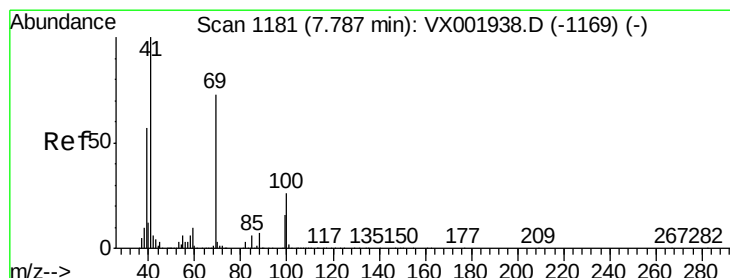
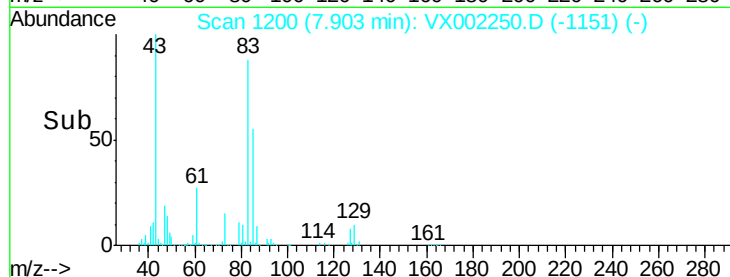
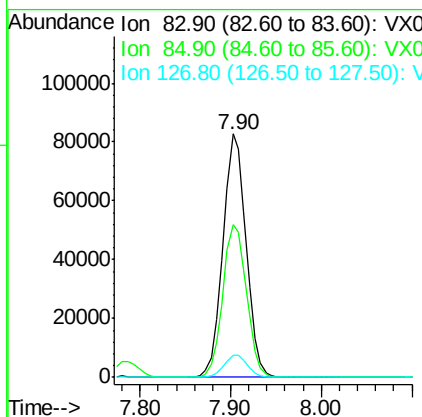
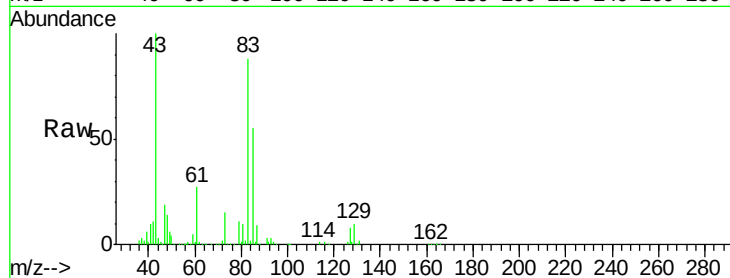
ClientSampleId :

LF6-0050MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 146711 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 62.7  | 51.4  | 77.2   |
| 127      | 8.9   | 7.1   | 10.7   |

Manual Integrations  
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MMDadoda  
6/4/2018 2:31:53 PM



#48

Methyl methacrylate

Concen: 50.835 ug/l

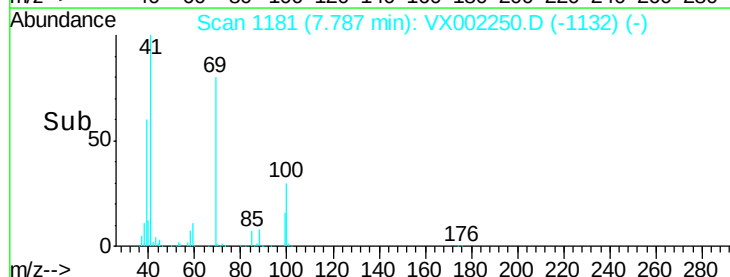
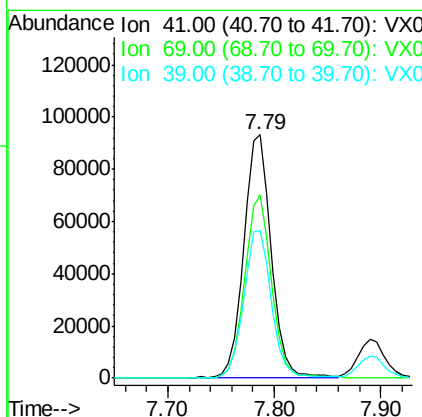
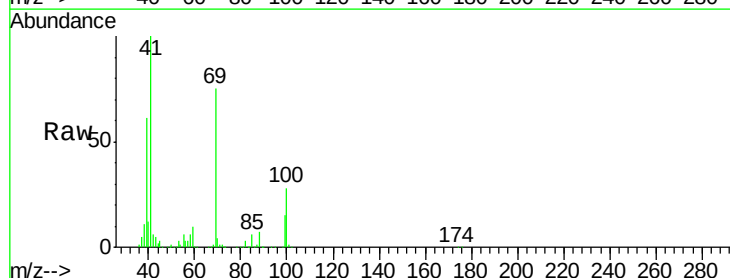
RT: 7.79 min Scan# 1181

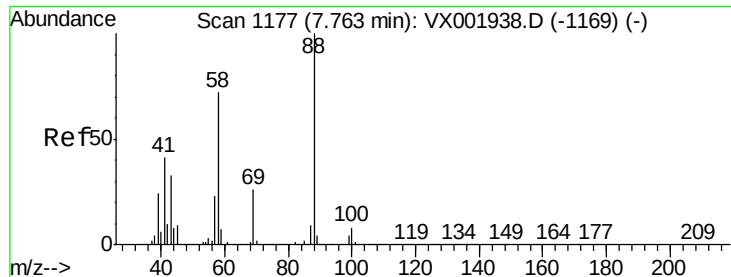
Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 168365 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 74.2  | 58.6  | 87.8   |
| 39       | 60.9  | 46.3  | 69.5   |





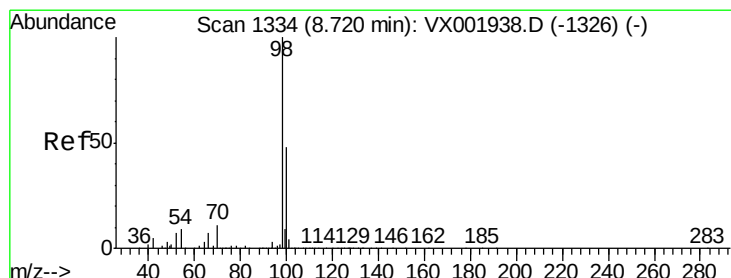
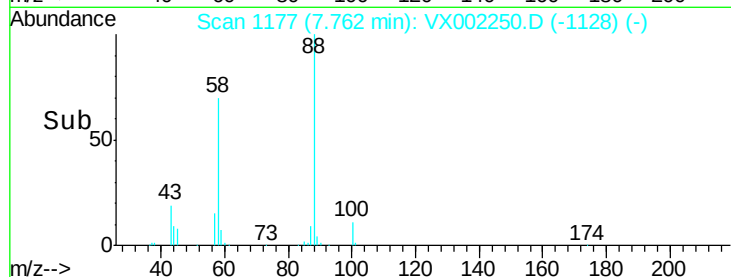
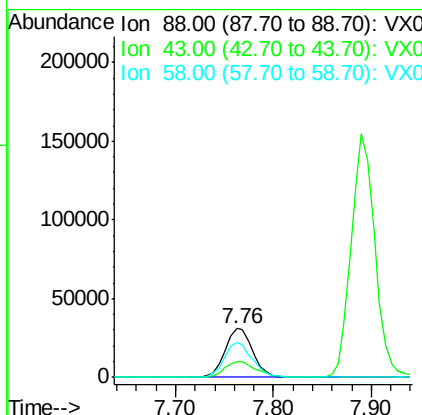
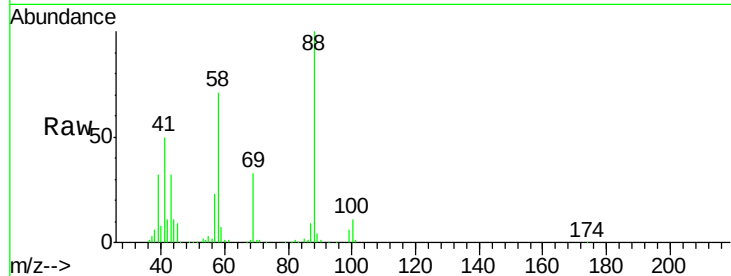
#49  
1,4-Dioxane  
Concen: 1039.222 ug/l  
RT: 7.76 min Scan# 1177  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.6  | 29.8  | 44.8  |
| 58      | 72.5  | 58.7  | 88.1  |

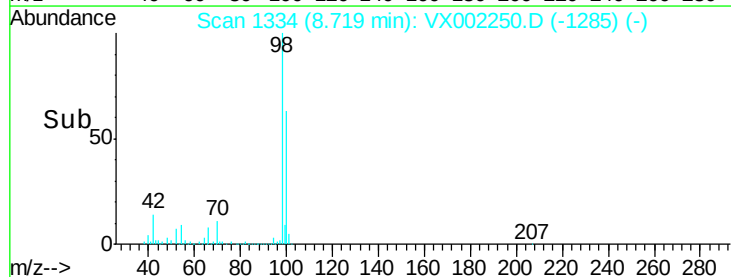
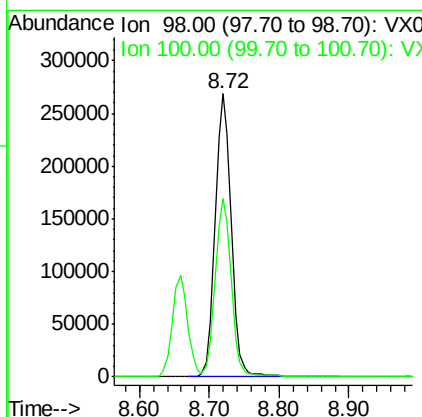
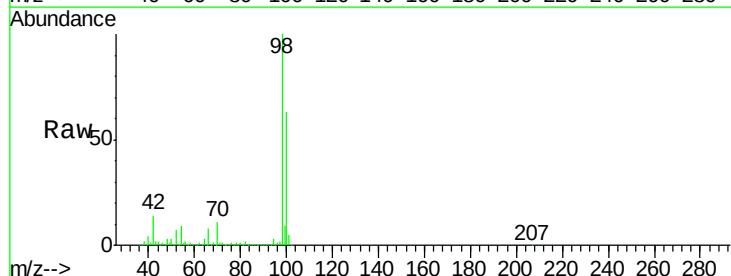
Manual Integrations  
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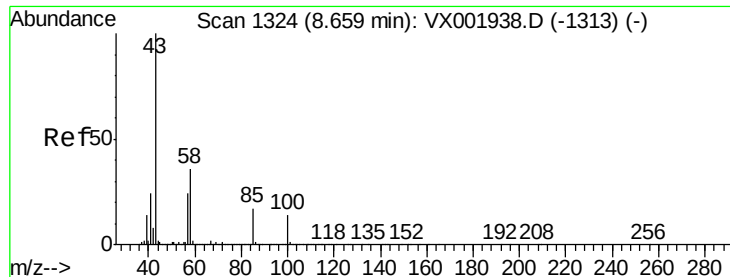
MMDadoda  
6/4/2018 2:31:53 PM



#50  
Toluene-d8  
Concen: 54.709 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.5  | 51.5  | 77.3  |





#51

4-Methyl-2-Pentanone

Concen: 281.436 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0050MSD

Tot Ion: 43 Resp: 1104017

Ion Ratio Lower Upper

43 100

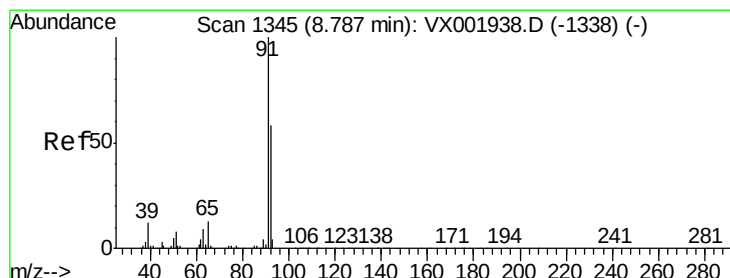
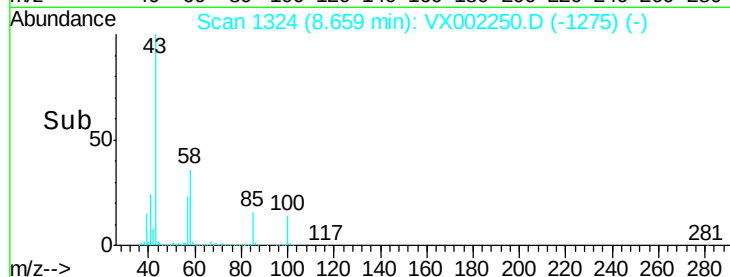
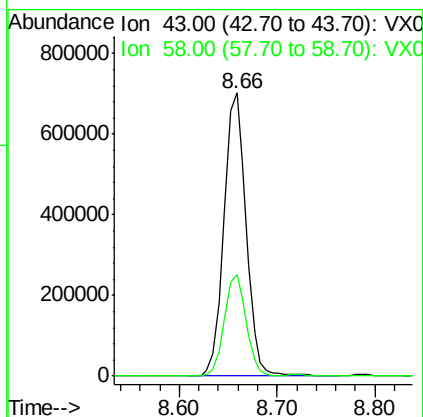
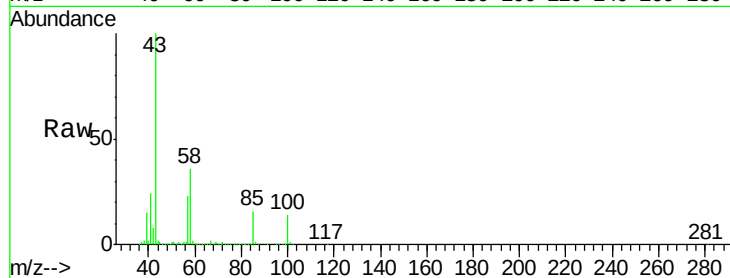
58 35.4 28.5 42.7

Manual Integrations

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6/4/2018 2:31:53 PM



#52

Toluene

Concen: 48.278 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002250.D

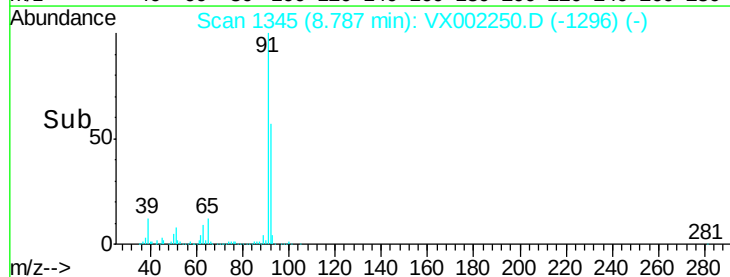
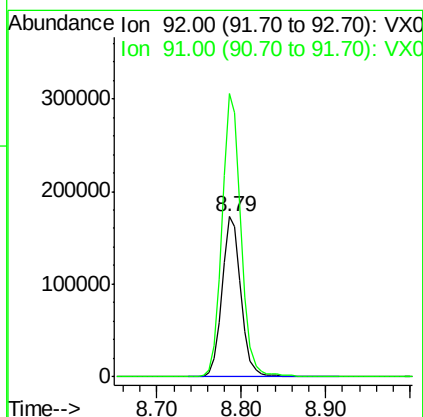
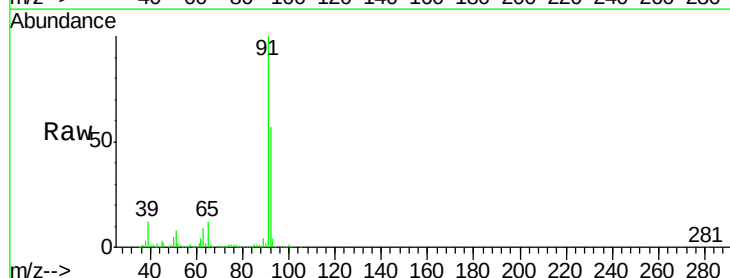
Acq: 02 Jun 2018 20:04

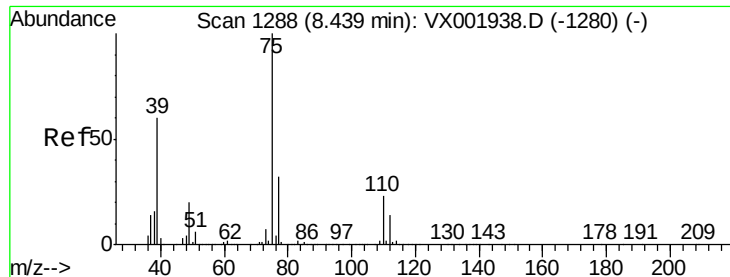
Tgt Ion: 92 Resp: 269651

Ion Ratio Lower Upper

92 100

91 176.2 139.4 209.2





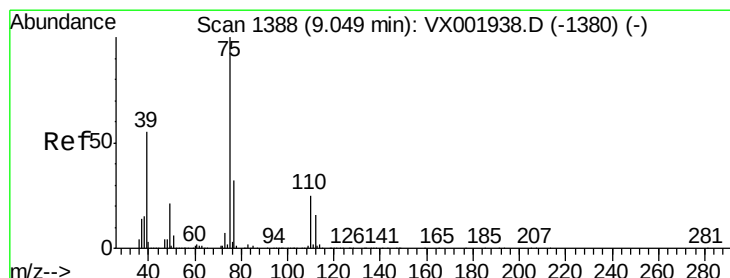
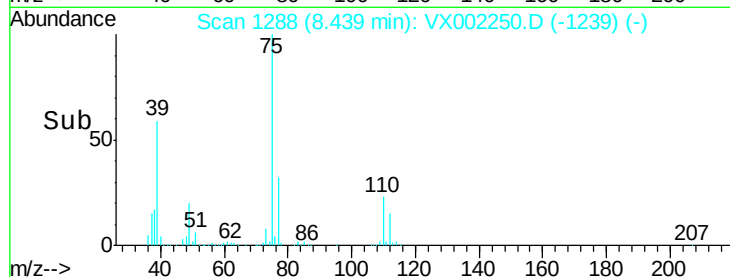
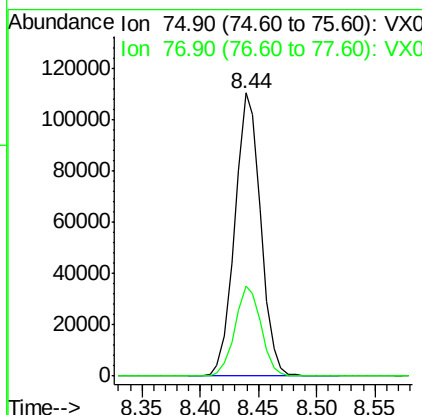
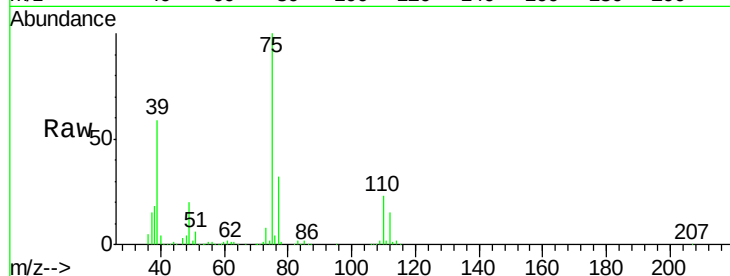
#53  
t-1,3-Dichloropropene  
Concen: 44.310 ug/l  
RT: 8.44 min Scan# 1288  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.9  | 25.5  | 38.3  |

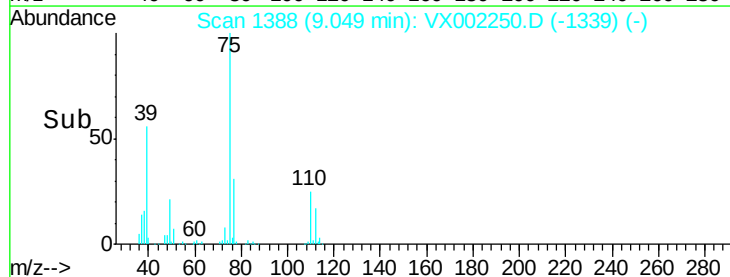
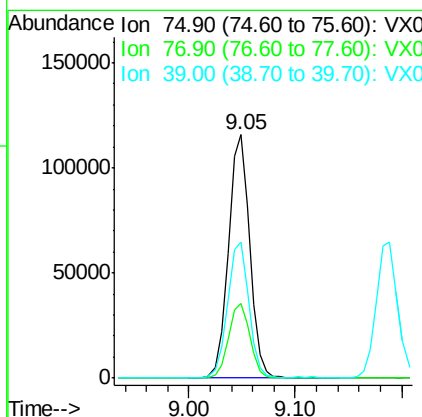
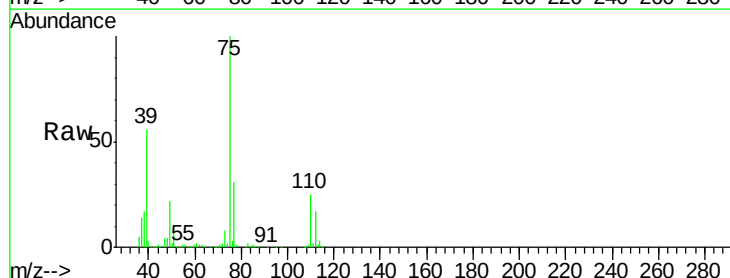
Manual Integrations  
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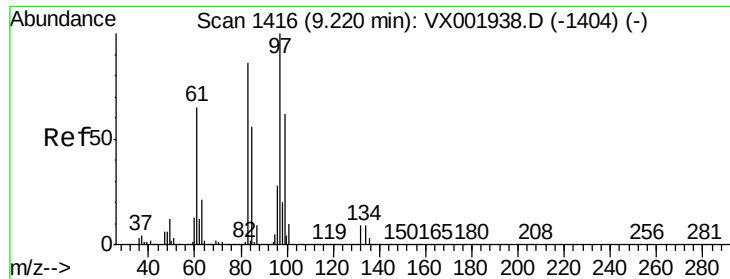


#54  
cis-1,3-Dichloropropene  
Concen: 43.005 ug/l  
RT: 9.05 min Scan# 1388  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.6  | 25.4  | 38.0  |
| 39      | 55.7  | 44.1  | 66.1  |







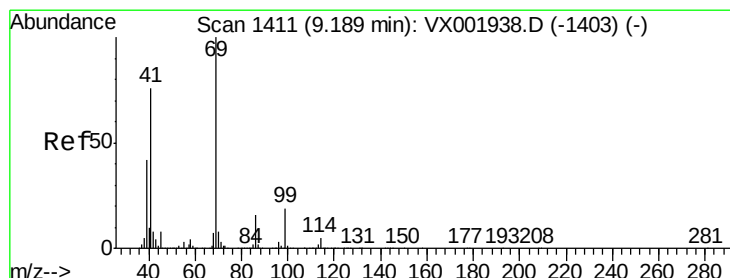
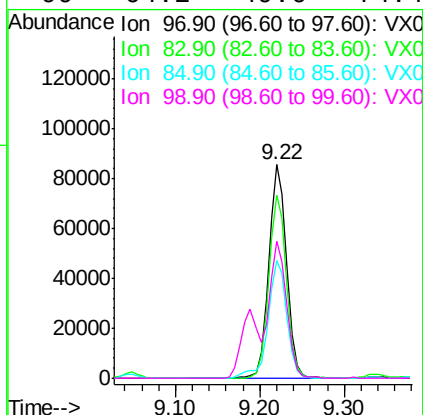
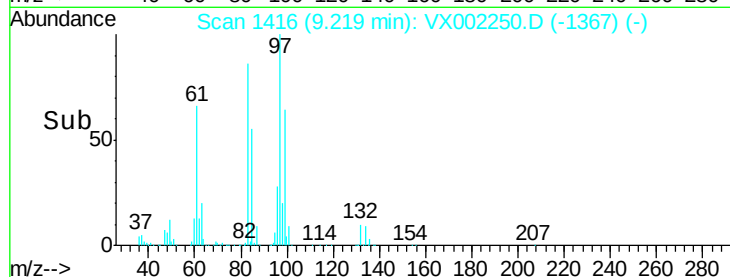
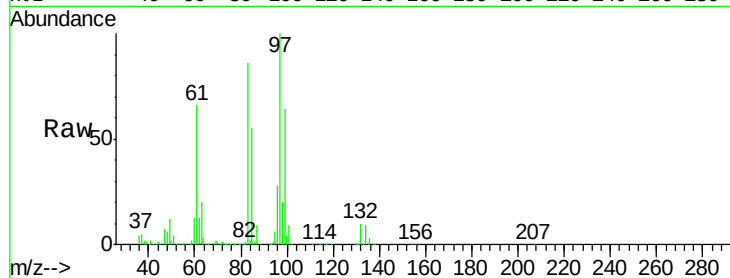
#55  
 1,1,2-Trichloroethane  
 Concen: 53.512 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0050MSD

| Tot Ion | 97    | Resp  | 124859 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 97      | 100   |       |        |
| 83      | 85.6  | 69.1  | 103.7  |
| 85      | 55.0  | 45.2  | 67.8   |
| 99      | 64.2  | 49.6  | 74.4   |

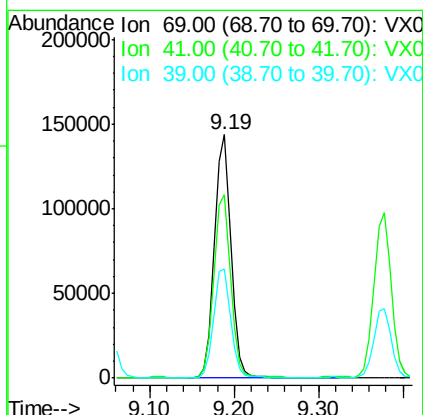
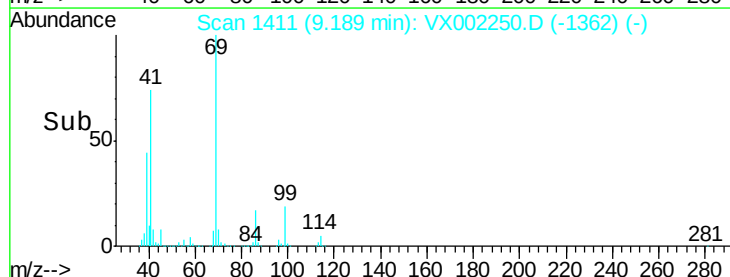
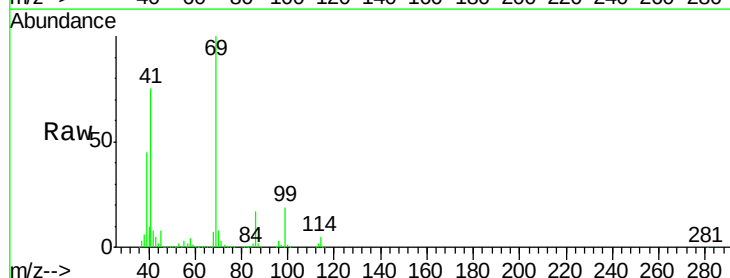
Manual Integrations  
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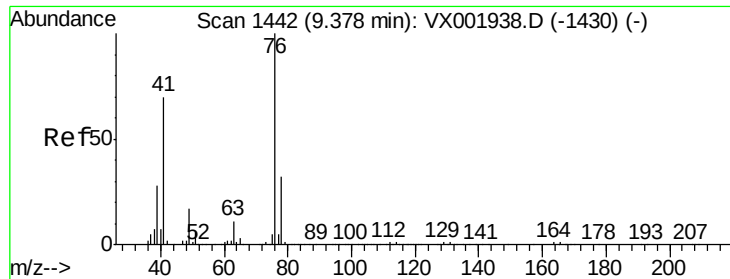
MMDadoda  
 6/4/2018 2:31:53 PM



#56  
 Ethyl methacrylate  
 Concen: 49.300 ug/l  
 RT: 9.19 min Scan# 1411  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

| Tgt Ion | 69    | Resp  | 197860 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 69      | 100   |       |        |
| 41      | 76.6  | 61.0  | 91.6   |
| 39      | 46.1  | 34.4  | 51.6   |





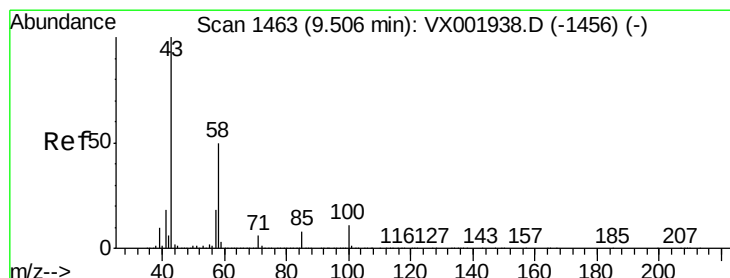
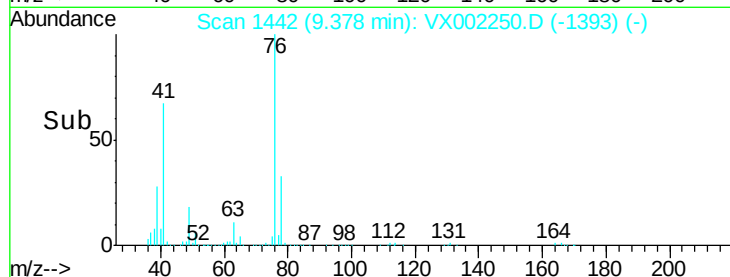
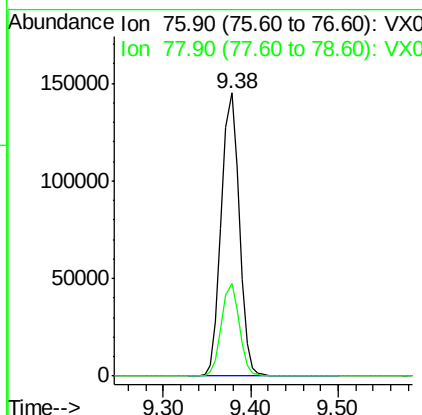
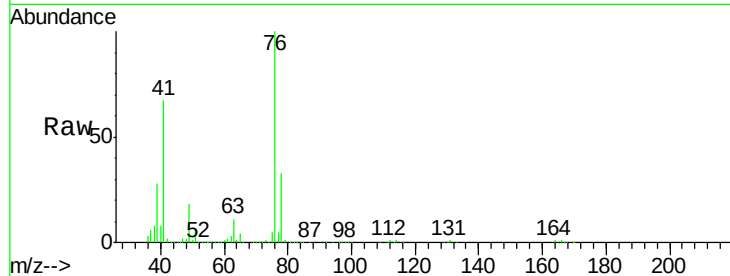
#57  
 1,3-Dichloropropane  
 Concen: 53.792 ug/l  
 RT: 9.38 min Scan# 1442  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.4  | 25.6  | 38.4  |

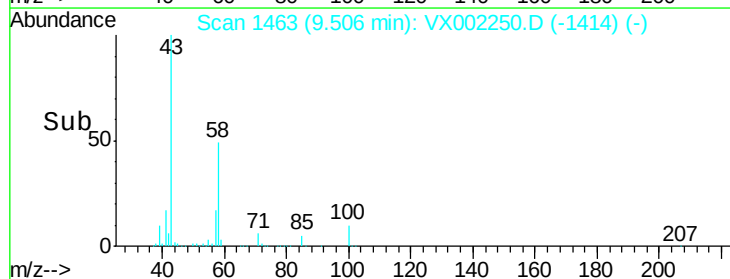
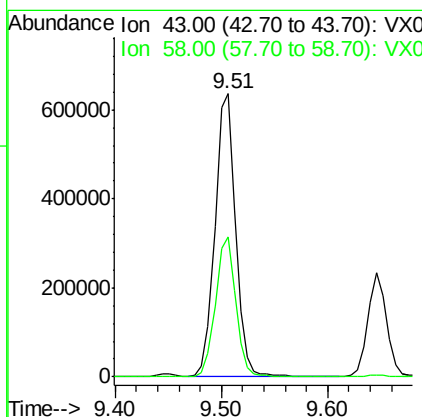
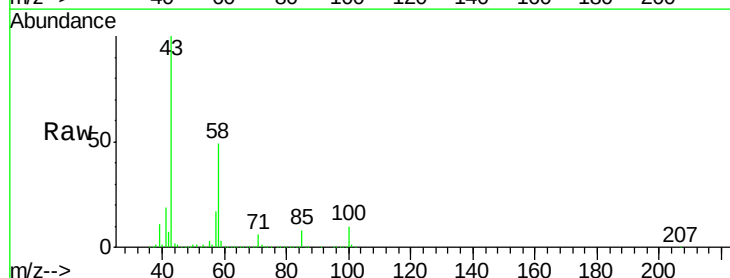
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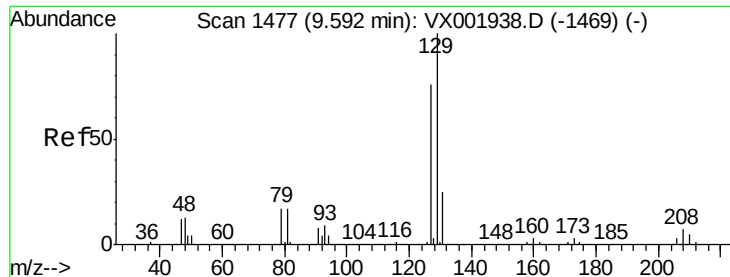
MMDadoda  
 6/4/2018 2:31:53 PM



#59  
 2-Hexanone  
 Concen: 279.370 ug/l  
 RT: 9.51 min Scan# 1463  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 49.4  | 24.9  | 74.6  |





#60

Dibromochloromethane

Concen: 44.380 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0050MSD

Tot Ion:129 Resp: 122653

Ion Ratio Lower Upper

129 100

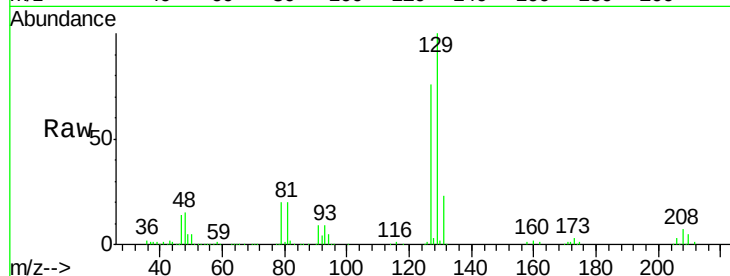
127 76.9 38.3 114.9

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

80000

60000

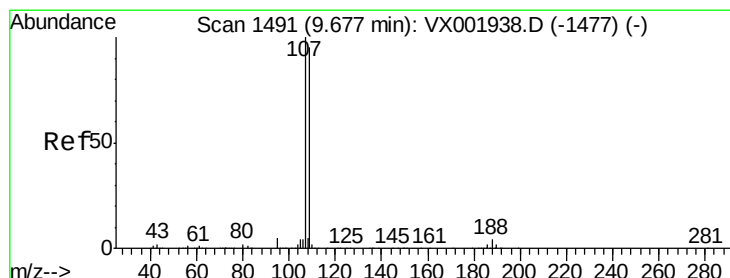
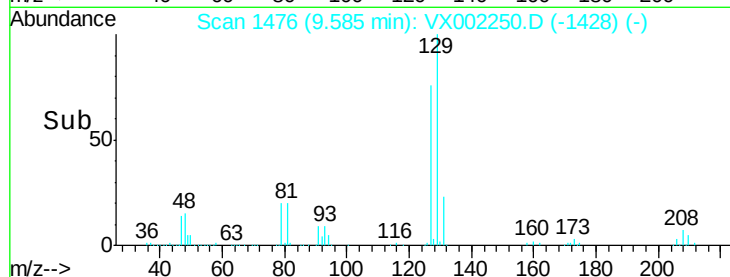
40000

20000

0

Time-->

9.50 9.60 9.70



#61

1,2-Dibromoethane

Concen: 53.759 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002250.D

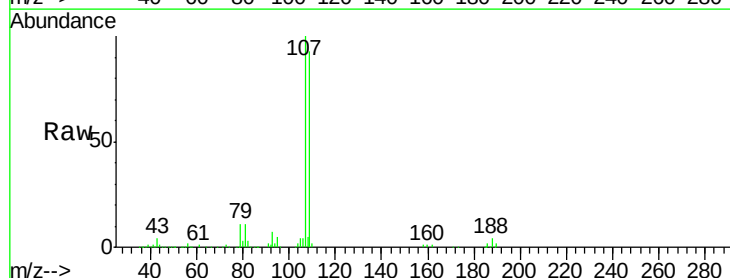
Acq: 02 Jun 2018 20:04

Tgt Ion:107 Resp: 131618

Ion Ratio Lower Upper

107 100

109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

100000

80000

60000

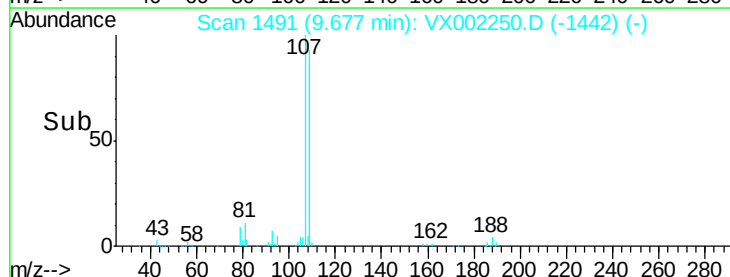
40000

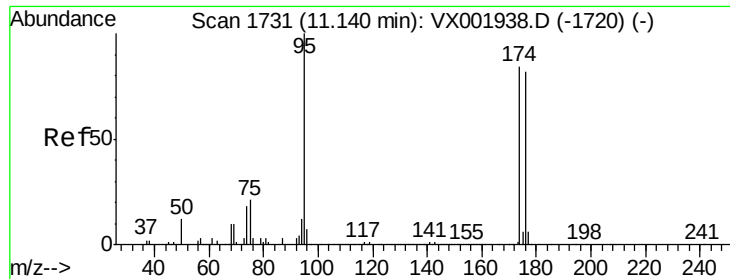
20000

0

Time-->

9.60 9.65 9.70 9.75





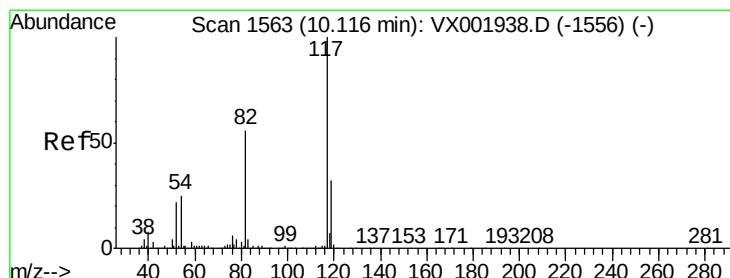
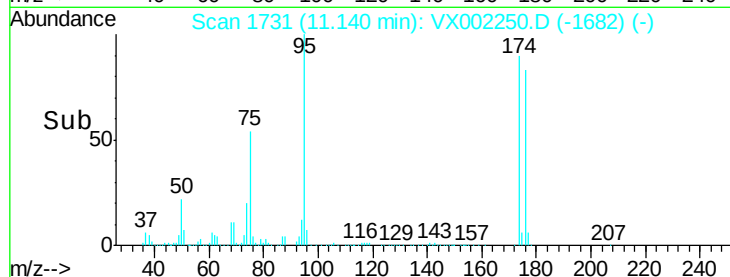
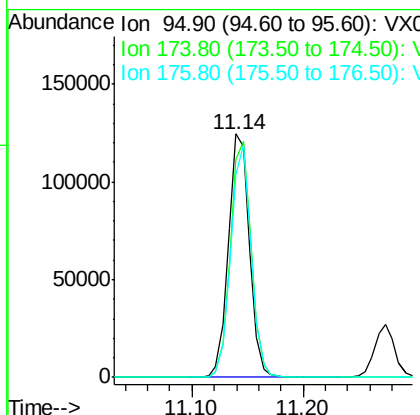
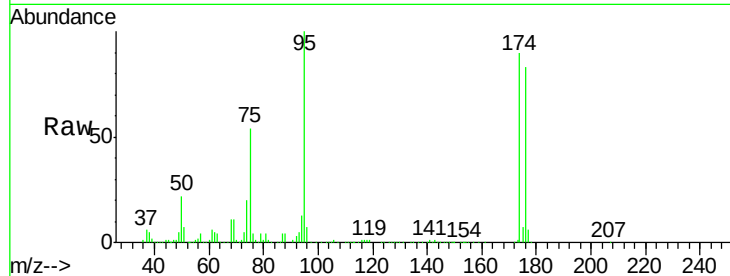
#62  
4-Bromofluorobenzene  
Concen: 53.227 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 162379 |       |       |
| 174     | 96.1  | 0.0    | 178.8 |       |
| 176     | 92.3  | 0.0    | 175.6 |       |

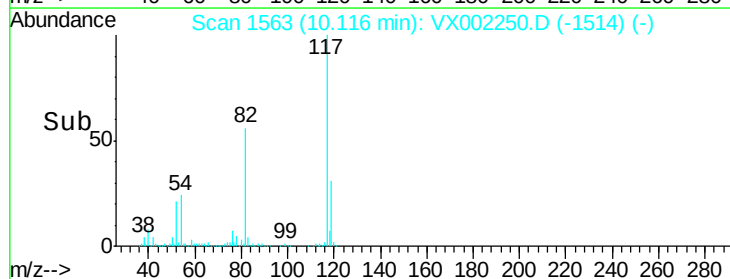
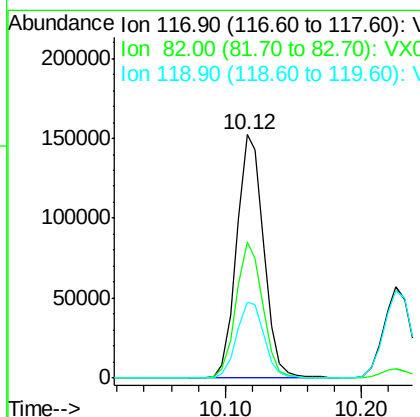
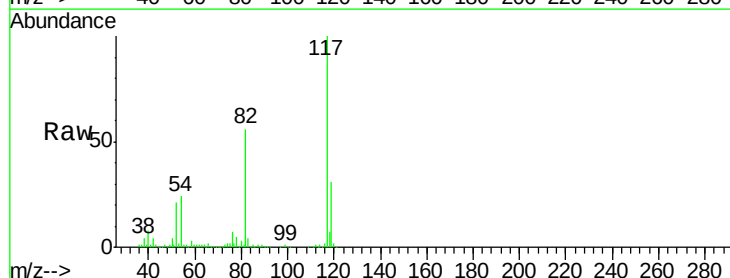
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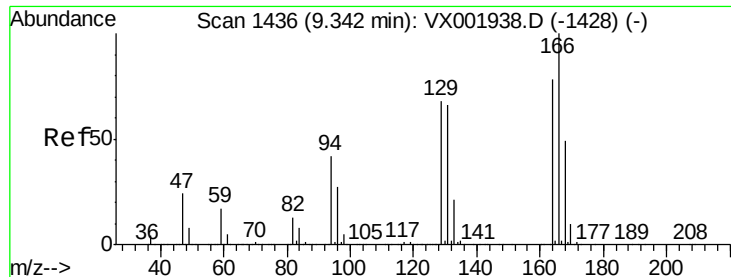
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6/4/2018 2:31:53 PM



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 210462 |       |       |
| 82      | 55.9  | 44.8   | 67.2  |       |
| 119     | 31.2  | 25.5   | 38.3  |       |





#64

Tetrachloroethene

Concen: 39.346 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0050MSD

Tot Ion:164 Resp: 118729

Ion Ratio Lower Upper

164 100

166 125.8 102.7 154.1

129 86.9 70.3 105.5

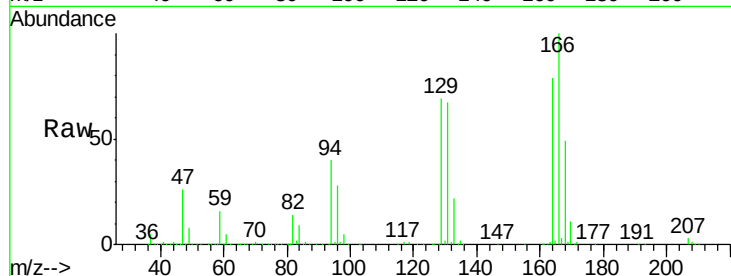
131 84.3 68.2 102.4

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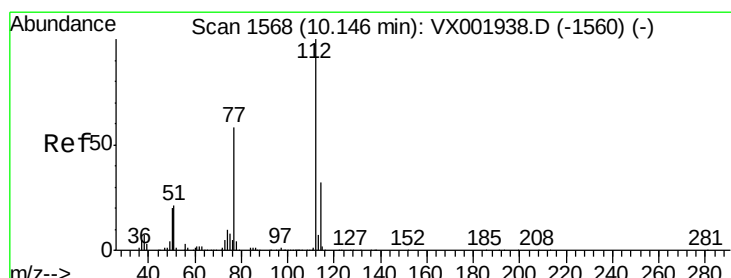
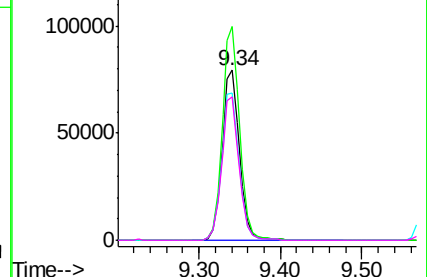
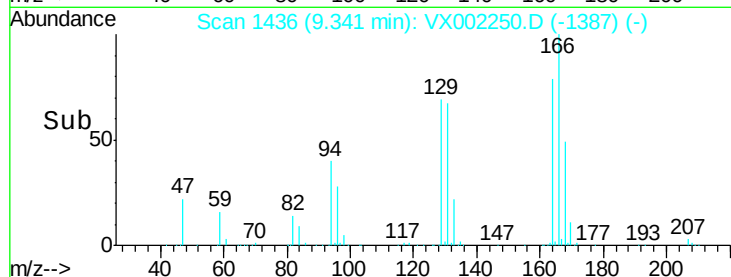


Abundance Ion 163.80 (163.50 to 164.50): V

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: 53.125 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002250.D

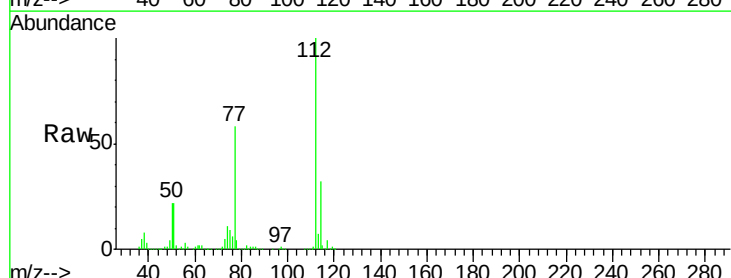
Acq: 02 Jun 2018 20:04

Tgt Ion:112 Resp: 354236

Ion Ratio Lower Upper

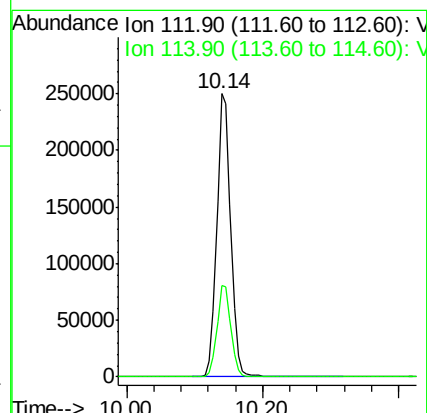
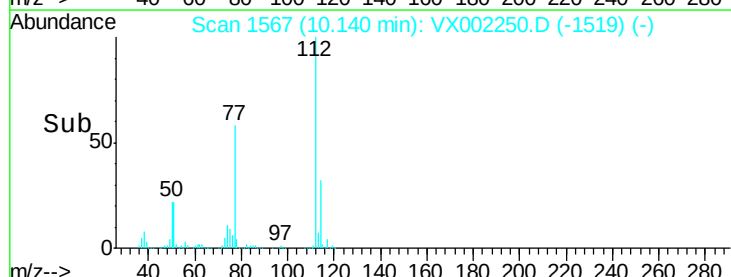
112 100

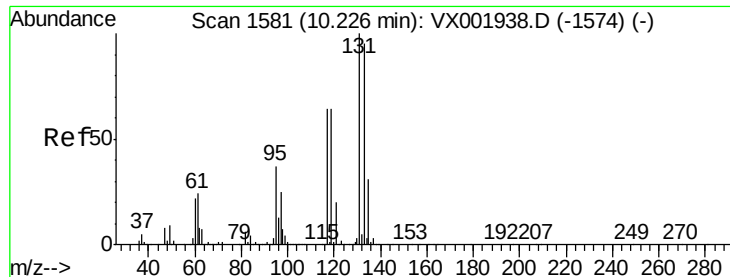
114 32.3 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 45.350 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

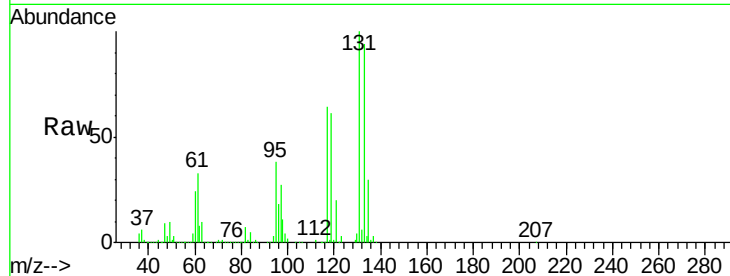
ClientSampleId :

LF6-0050MSD

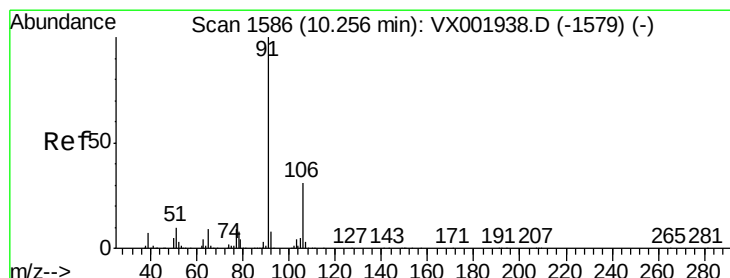
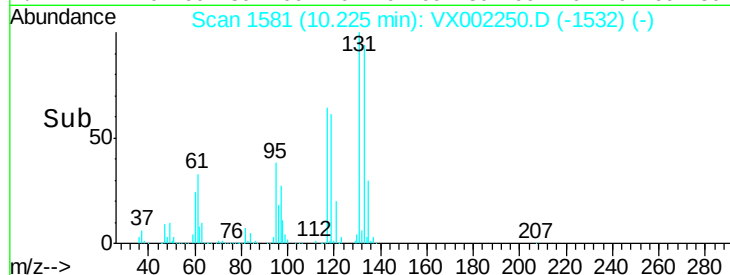
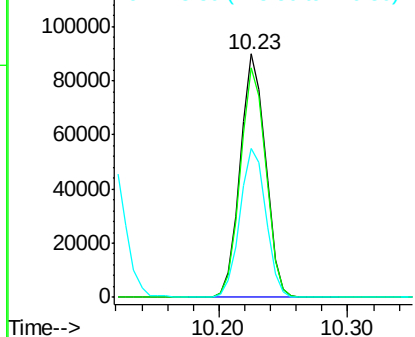
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 131   | Resp: | 122108 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 94.8  | 48.0  | 144.0  |
| 119       | 62.8  | 31.9  | 95.5   |

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Abundance Ion 130.80 (130.50 to 131.50): V  
Ion 132.80 (132.50 to 133.50): V  
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 46.454 ug/l

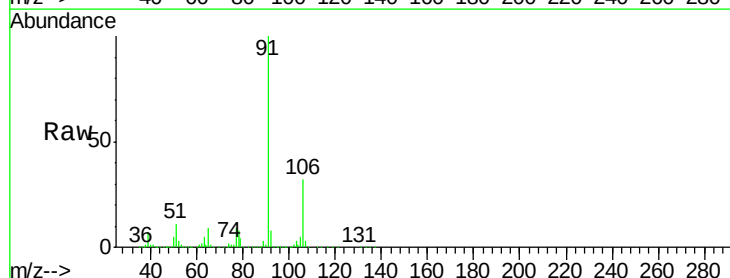
RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

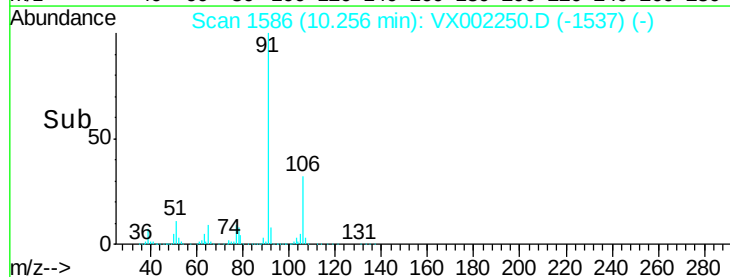
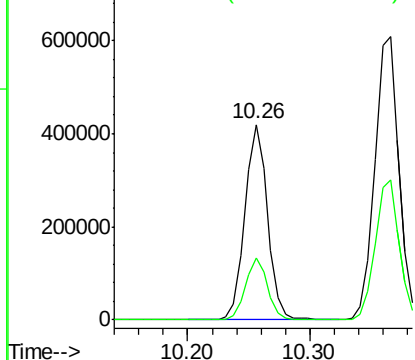
Lab File: VX002250.D

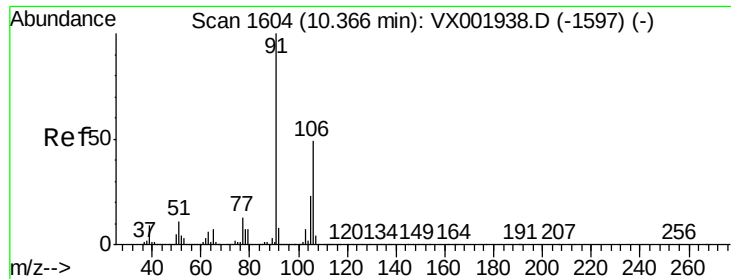
Acq: 02 Jun 2018 20:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 538176 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 31.5  | 25.0  | 37.6   |



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 106.00 (105.70 to 106.70): V





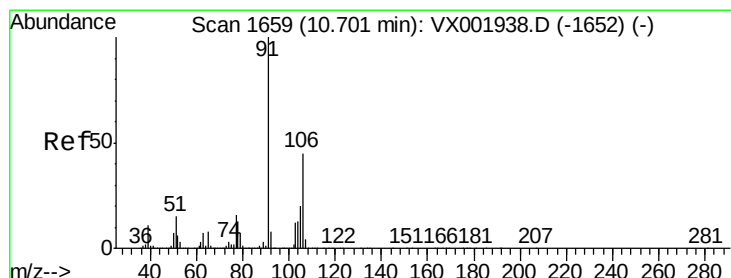
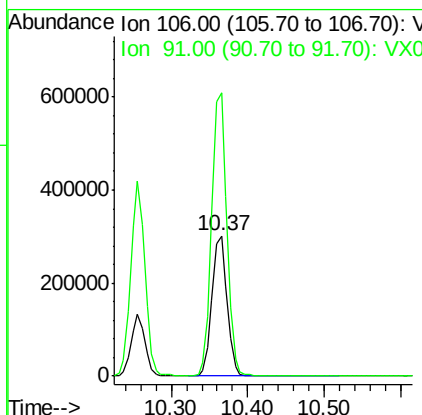
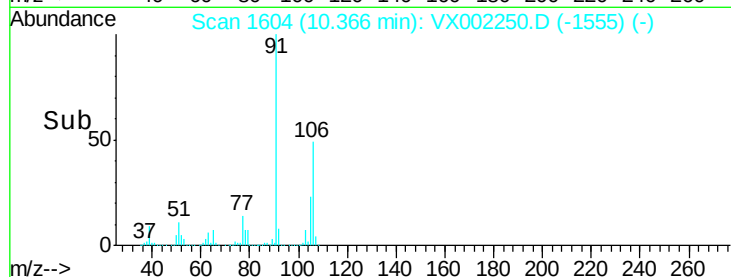
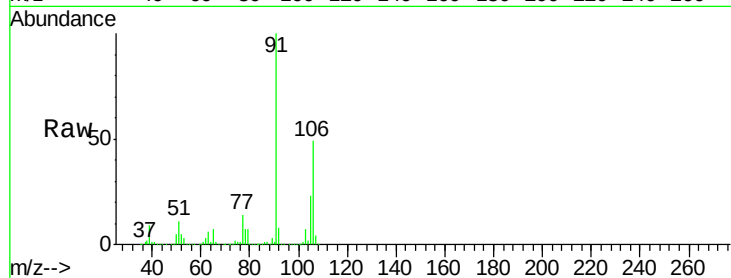
#68  
m/p-Xylenes  
Concen: 93.657 ug/l  
RT: 10.37 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

Tot Ion:106 Resp: 414771  
Ion Ratio Lower Upper  
106 100  
91 202.8 165.0 247.6

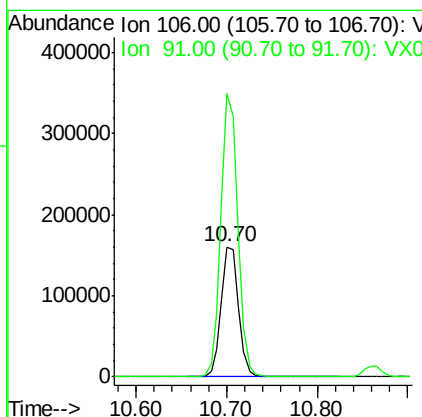
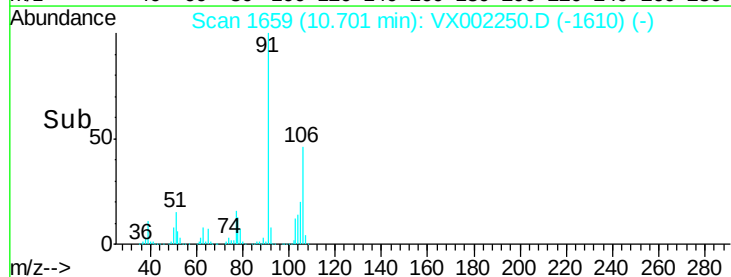
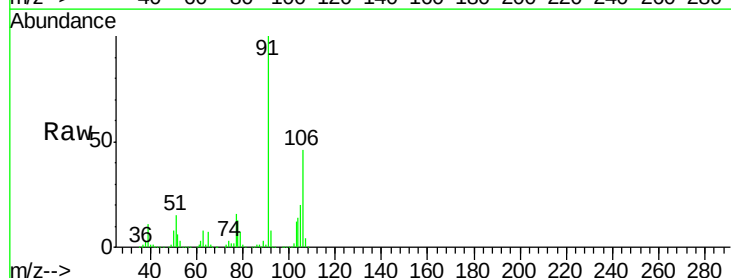
Manual Integrations  
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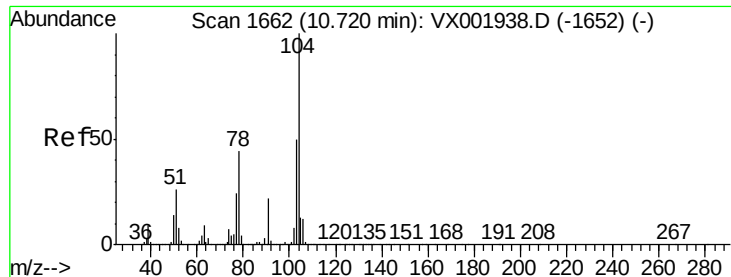
MMDadoda  
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#69  
o-Xylene  
Concen: 48.596 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Tgt Ion:106 Resp: 214886  
Ion Ratio Lower Upper  
106 100  
91 212.8 108.7 325.9





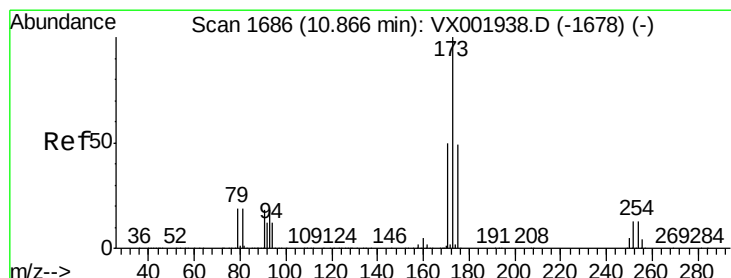
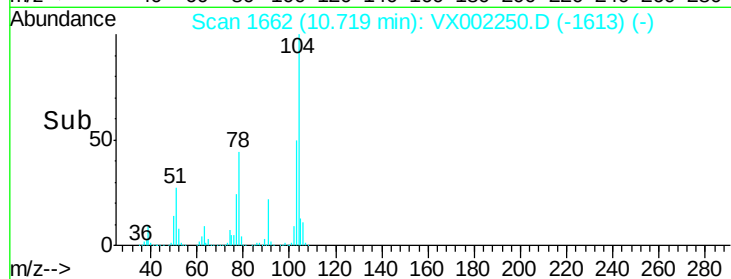
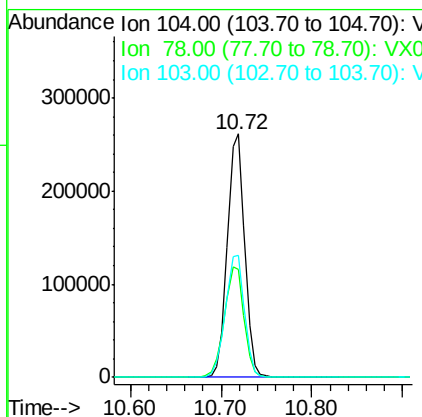
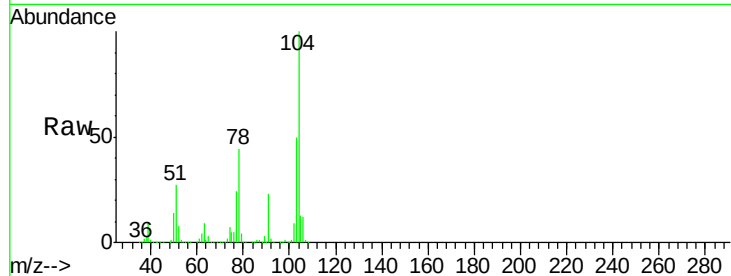
#70  
Stvrene  
Concen: 47.578 ug/l  
RT: 10.72 min Scan# 1662  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 51.2  | 41.8  | 62.6  |
| 103     | 55.5  | 44.6  | 67.0  |

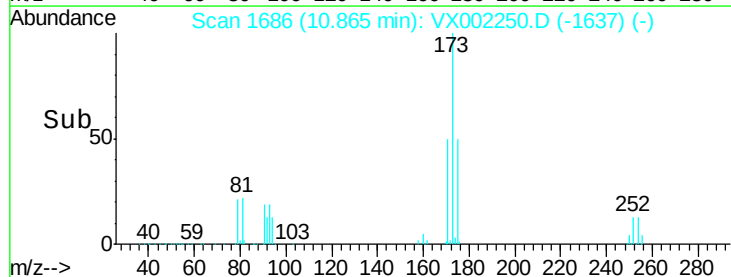
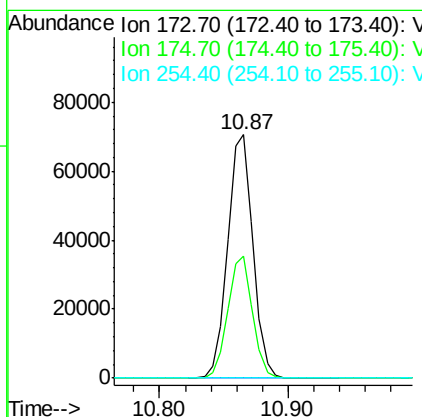
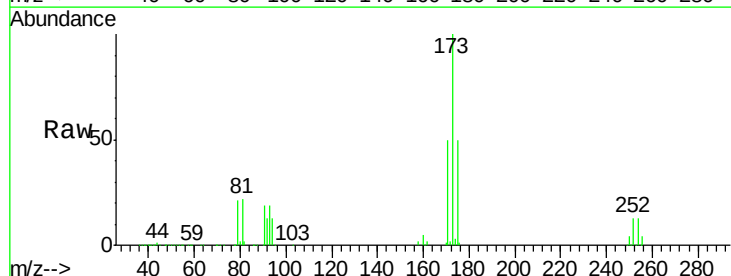
Manual Integrations  
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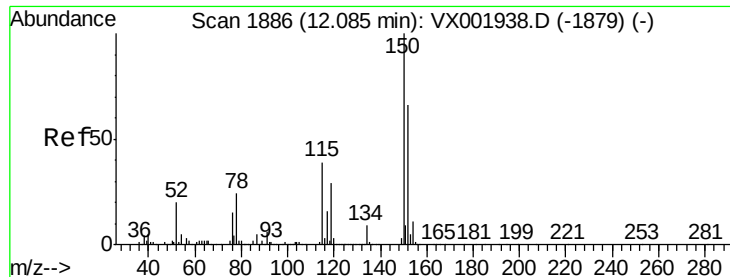


#71  
Bromoform  
Concen: 37.971 ug/l  
RT: 10.87 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.3  | 72.9  |
| 254     | 0.2   | 0.1   | 0.1#  |







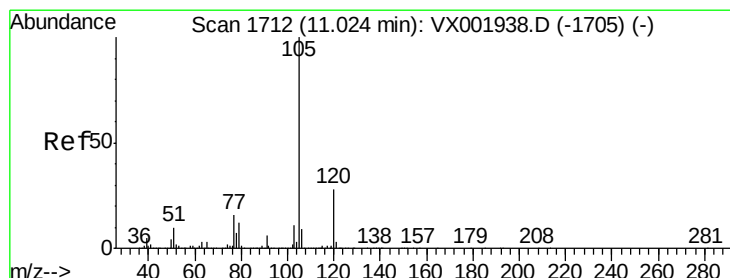
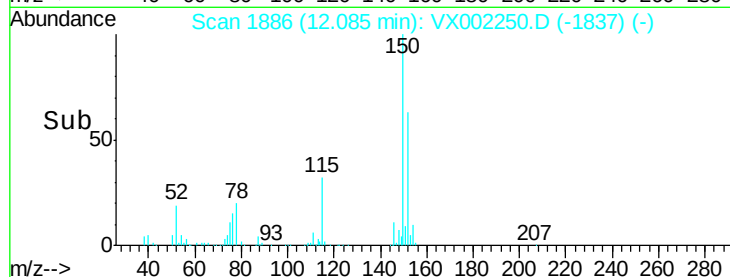
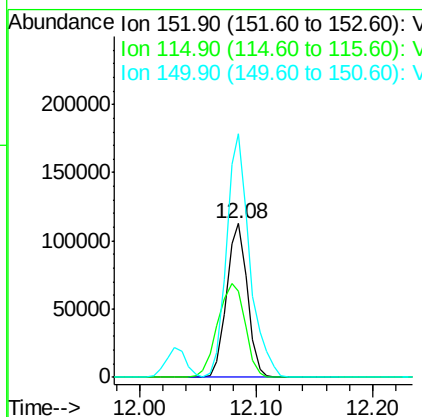
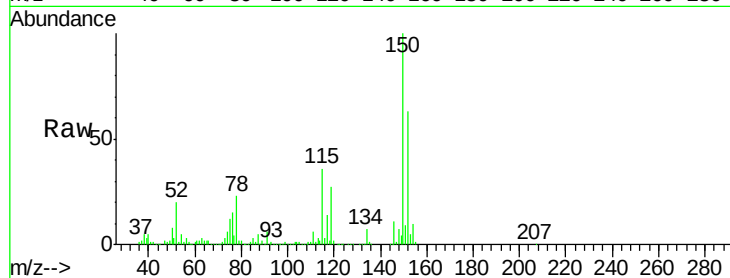
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1886  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0050MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 139100 |       |       |
| 115     | 79.9  | 42.3   | 126.8 |       |
| 150     | 176.4 | 0.0    | 351.0 |       |

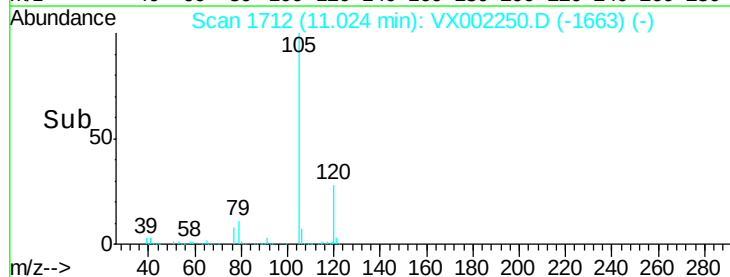
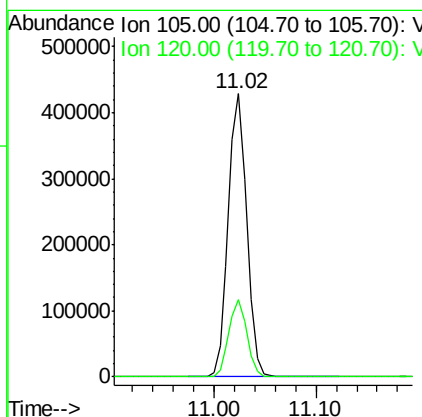
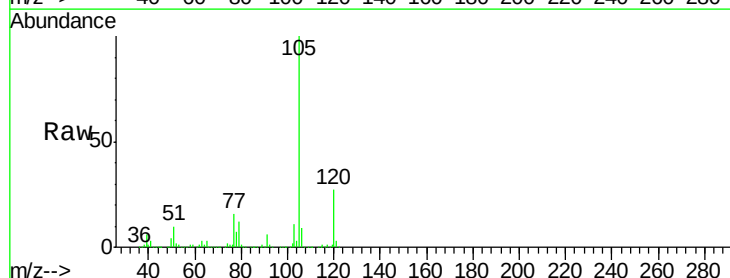
Manual Integrations  
 APPROVED

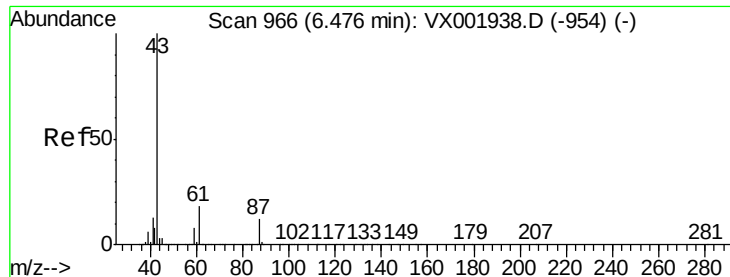
MMDadoda  
 6/4/2018 2:31:53 PM



#73  
 Isopropylbenzene  
 Concen: 45.609 ug/l  
 RT: 11.02 min Scan# 1712  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 537231 |       |       |
| 120     | 26.8  | 13.6   | 40.7  |       |





#74

N-amvl acetate

Concen: 52.604 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

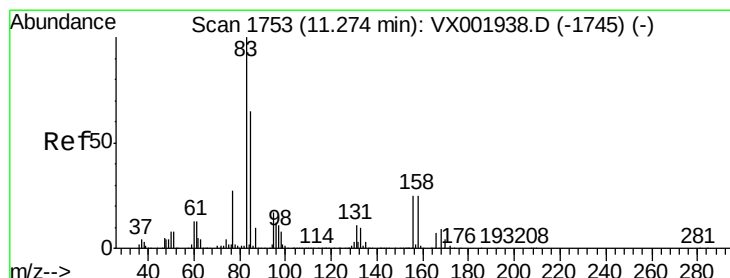
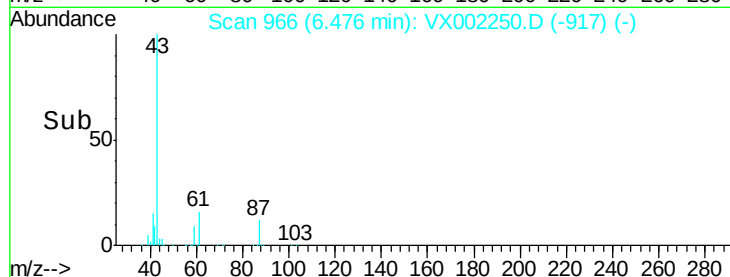
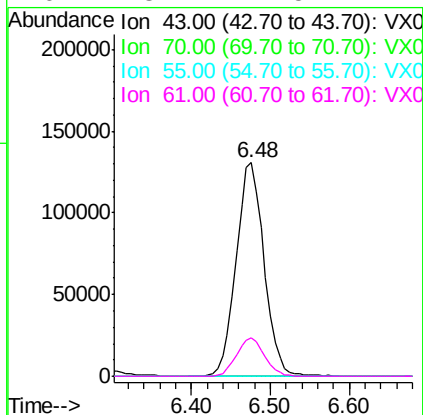
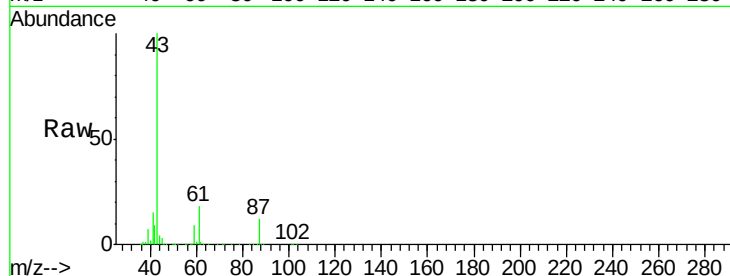
ClientSampleId :

LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 0.0   | 0.1   | 0.1#  |
| 55      | 0.2   | 0.1   | 0.1#  |
| 61      | 18.1  | 14.5  | 21.7  |

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#75

1,1,2,2-Tetrachloroethane

Concen: 61.751 ug/l

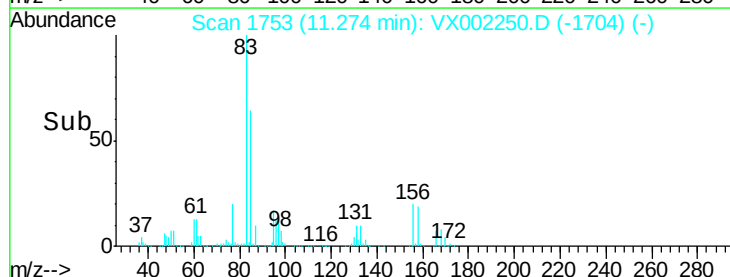
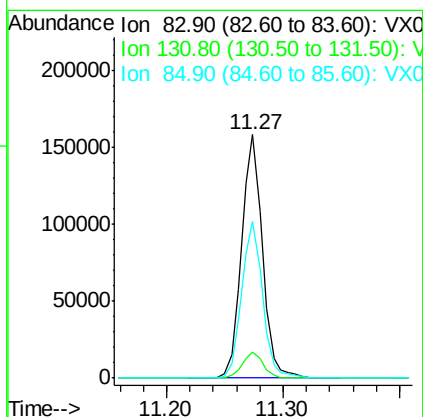
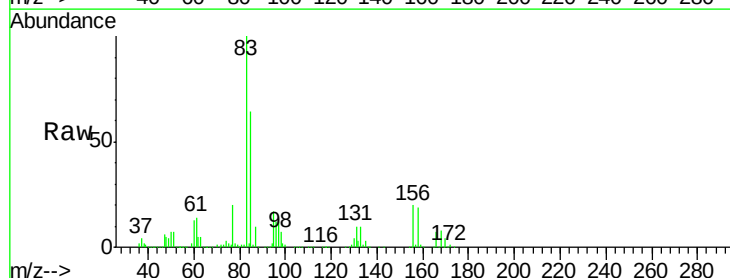
RT: 11.27 min Scan# 1753

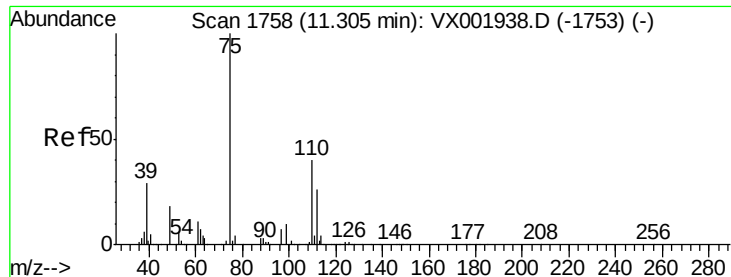
Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 10.7  | 5.7   | 17.0  |
| 85      | 64.6  | 32.6  | 97.7  |





#76

1,2,3-Trichloropropane

Concen: 50.496 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0050MSD

Tot Ion: 75 Resp: 168713

Ion Ratio Lower Upper

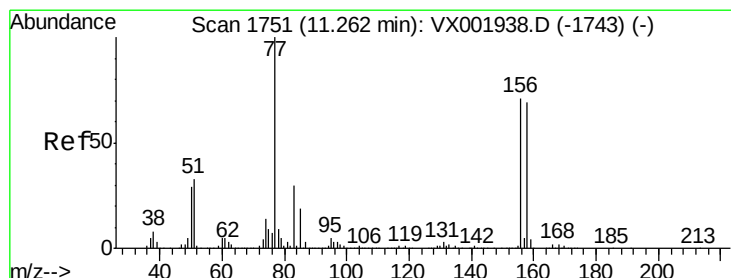
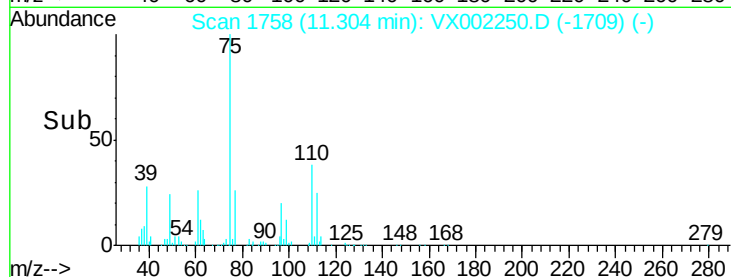
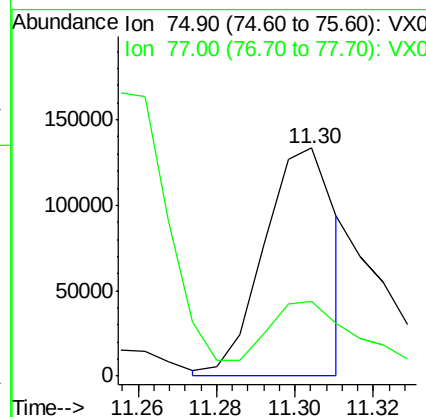
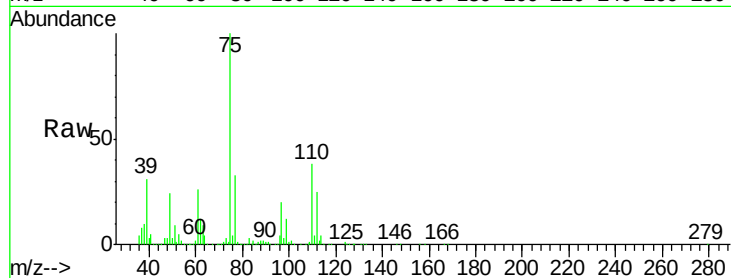
75 100

77 44.3 22.8 68.3

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#77

Bromobenzene

Concen: 49.609 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

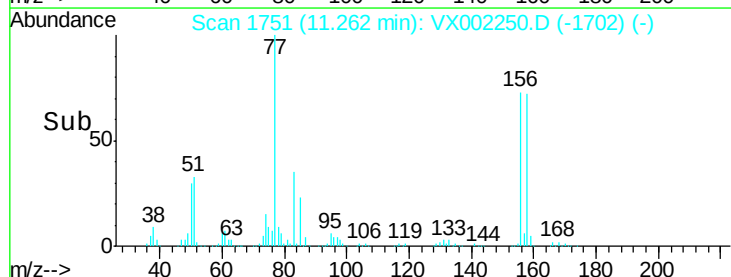
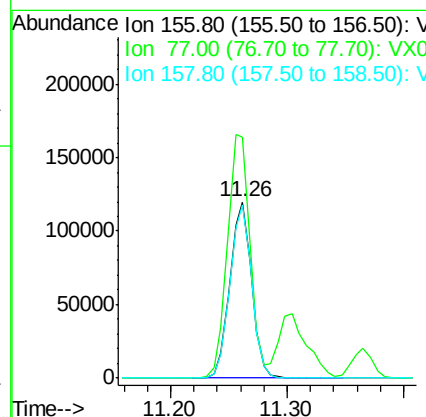
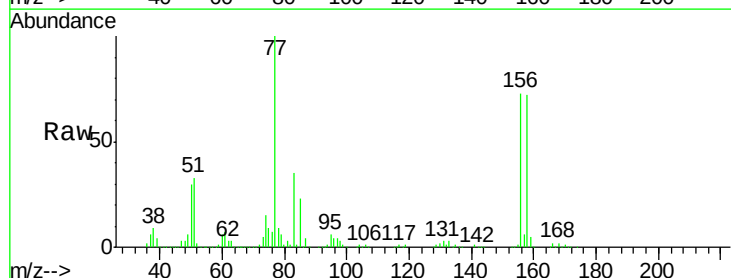
Tgt Ion: 156 Resp: 155036

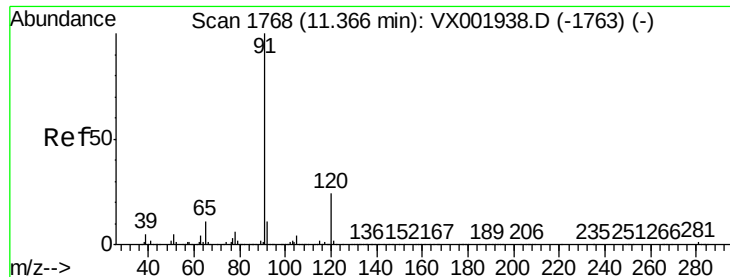
Ion Ratio Lower Upper

156 100

77 142.3 75.2 225.6

158 98.1 48.6 145.8





#78

n-propylbenzene

Concen: 43.865 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampled :

LF6-0050MSD

Tot Ion: 91 Resp: 578694

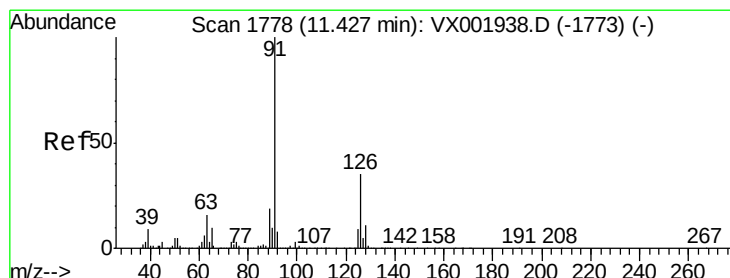
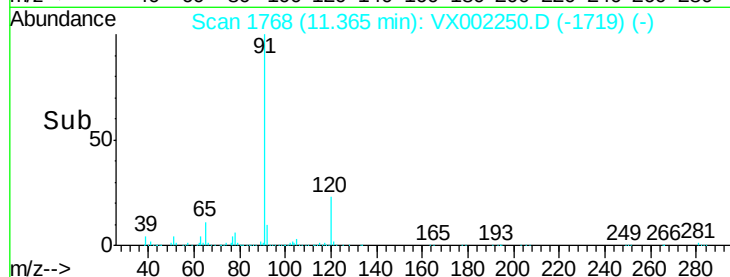
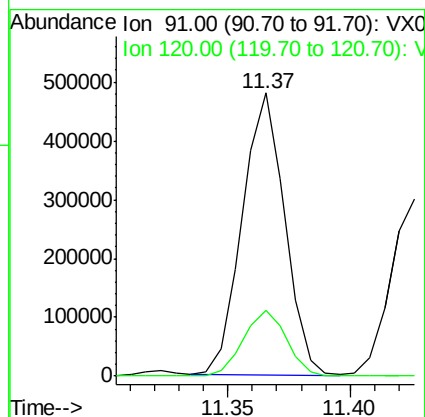
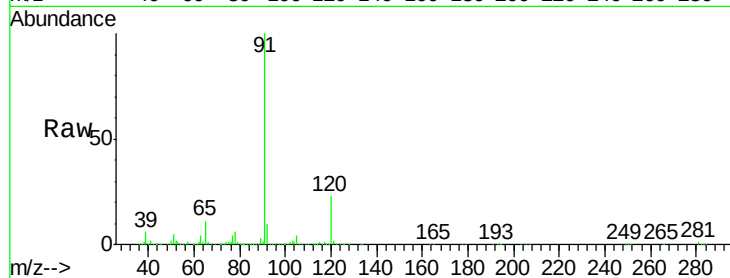
Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.7

Manual Integrations  
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#79

2-Chlorotoluene

Concen: 51.456 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002250.D

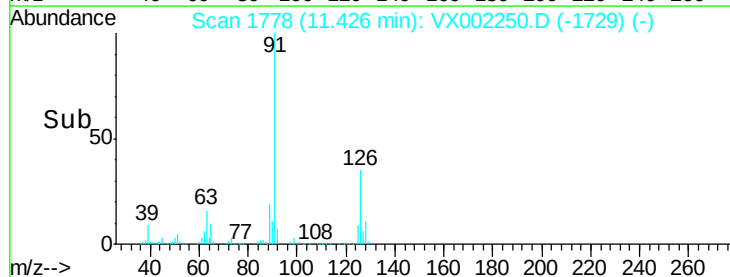
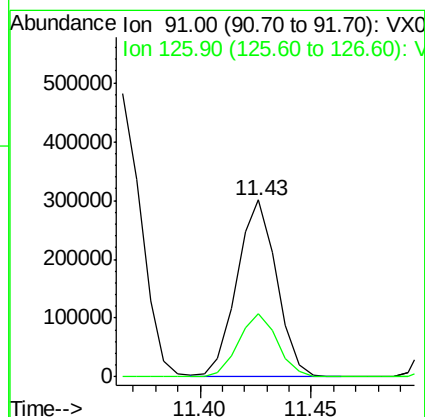
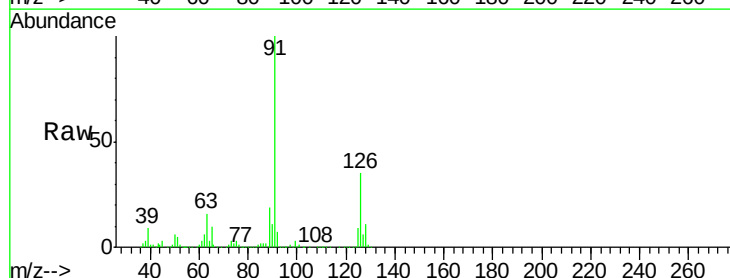
Acq: 02 Jun 2018 20:04

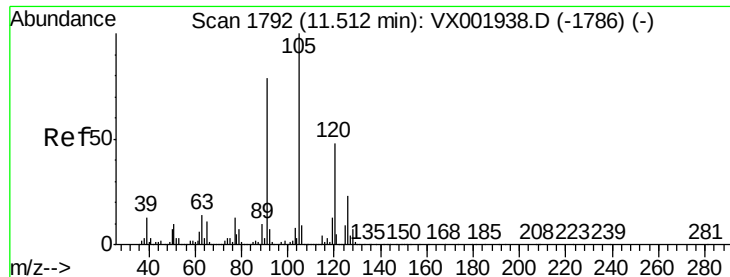
Tgt Ion: 91 Resp: 371904

Ion Ratio Lower Upper

91 100

126 35.4 17.4 52.2





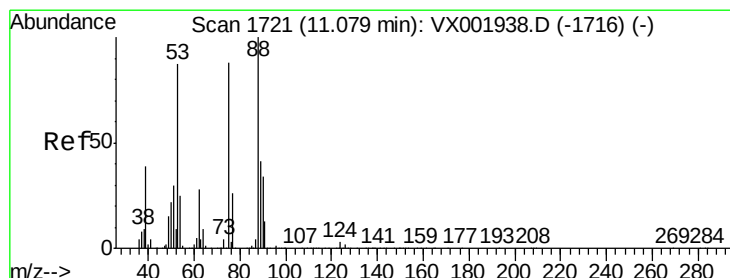
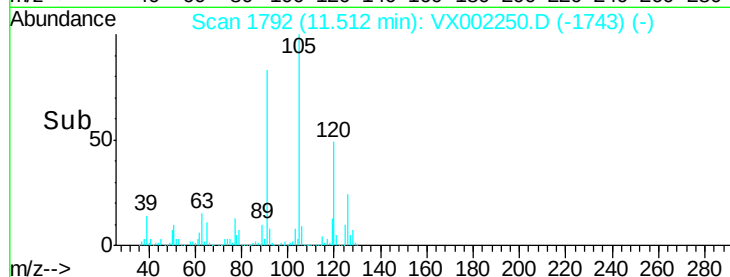
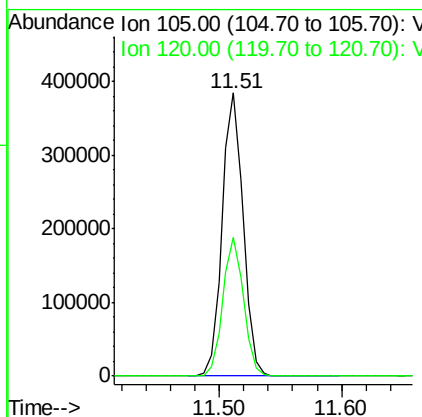
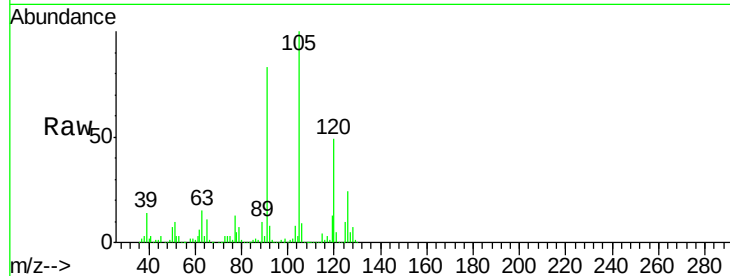
#80  
 1,3,5-Trimethylbenzene  
 Concen: 45.165 ug/l  
 RT: 11.51 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 48.5  | 24.1  | 72.4  |

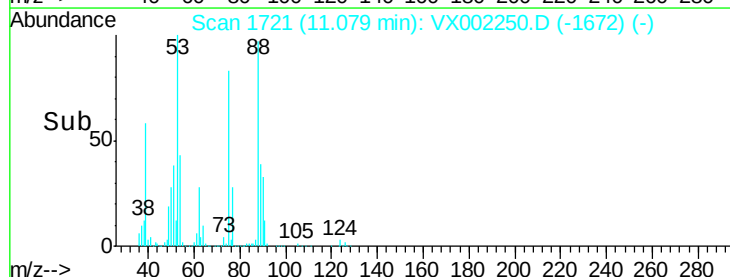
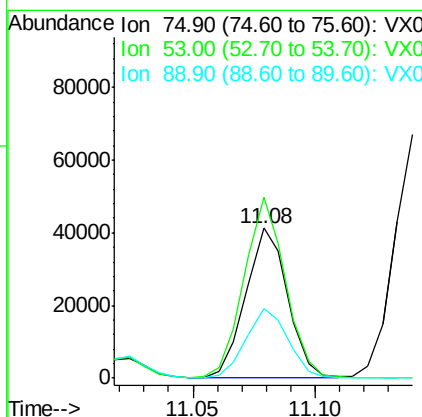
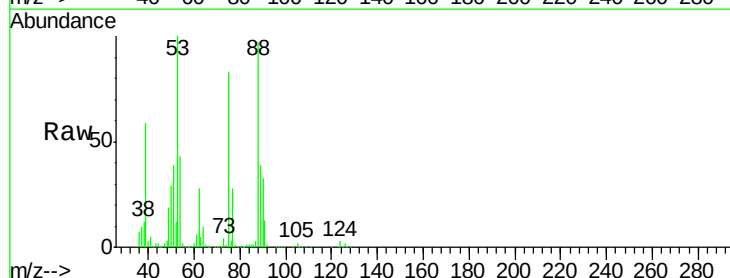
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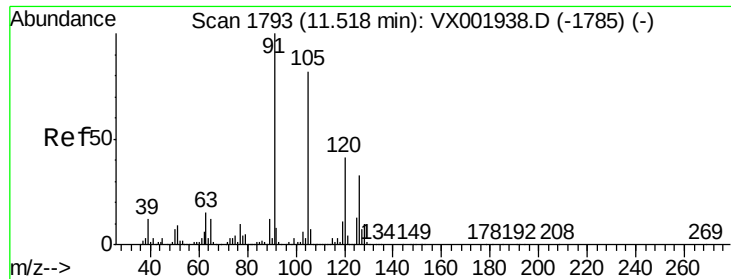
MMDadoda  
 6/4/2018 2:31:53 PM



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 35.091 ug/l  
 RT: 11.08 min Scan# 1721  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 119.2 | 78.0  | 117.0# |
| 89      | 47.6  | 39.4  | 59.2   |





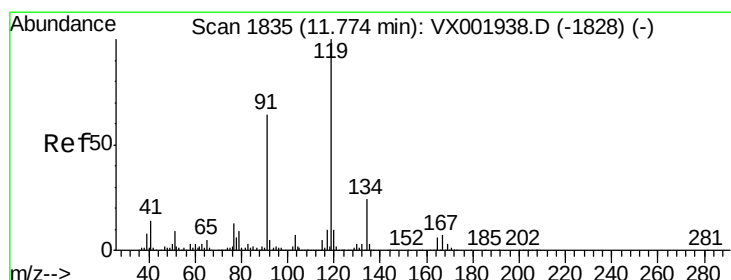
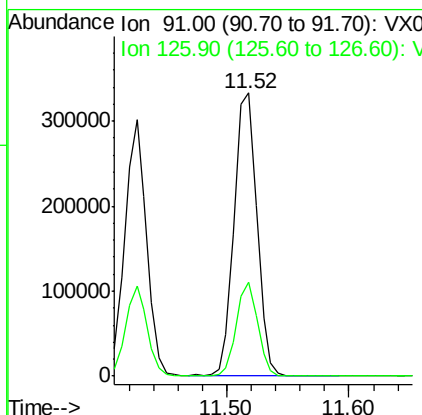
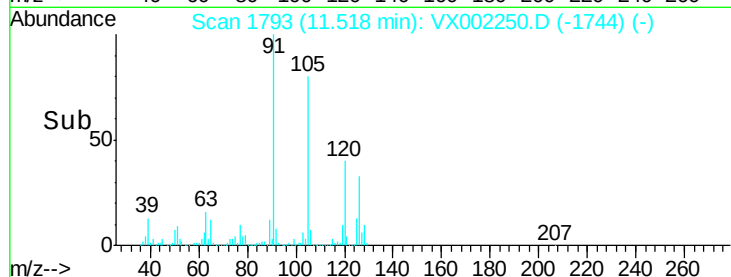
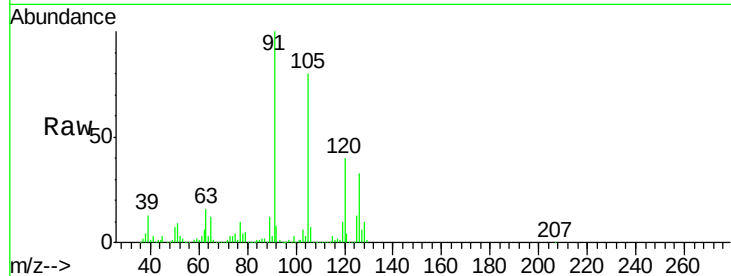
#82  
4-Chlorotoluene  
Concen: 45.941 ug/l  
RT: 11.52 min Scan# 1793  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampled :  
LF6-0050MSD

Tot Ion: 91 Resp: 427470  
Ion Ratio Lower Upper  
91 100  
126 31.2 15.3 45.8

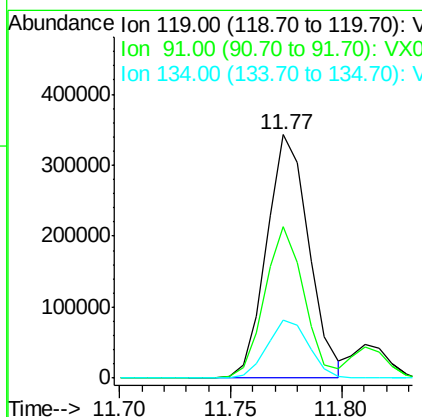
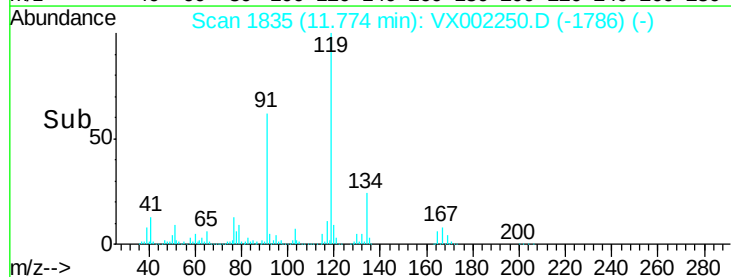
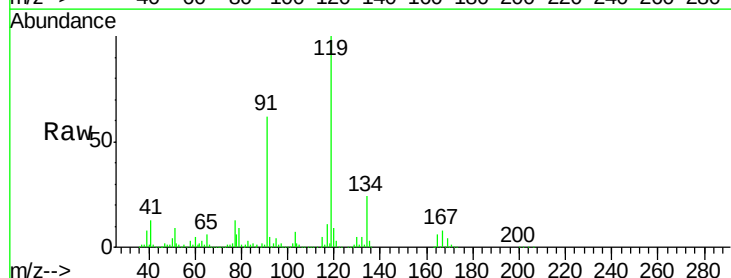
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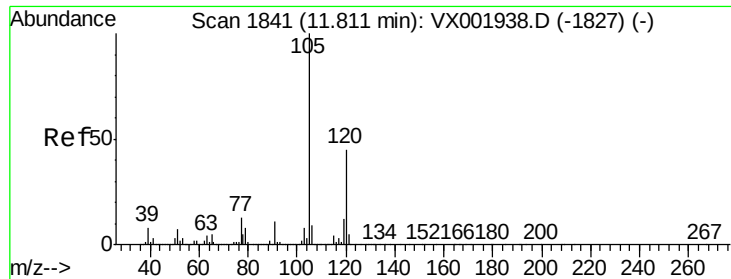
MMDadoda  
6/4/2018 2:31:53 PM



#83  
tert-Butylbenzene  
Concen: 45.542 ug/l  
RT: 11.77 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Tgt Ion: 119 Resp: 449874  
Ion Ratio Lower Upper  
119 100  
91 58.6 30.6 91.8  
134 23.6 11.7 35.0





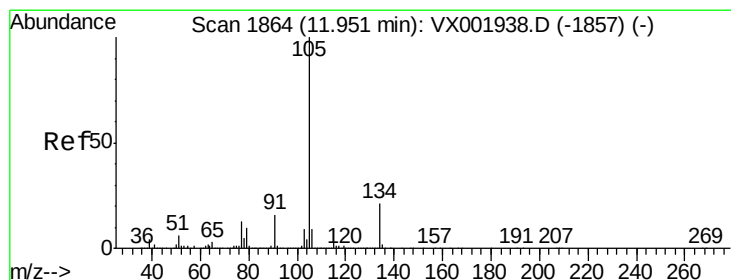
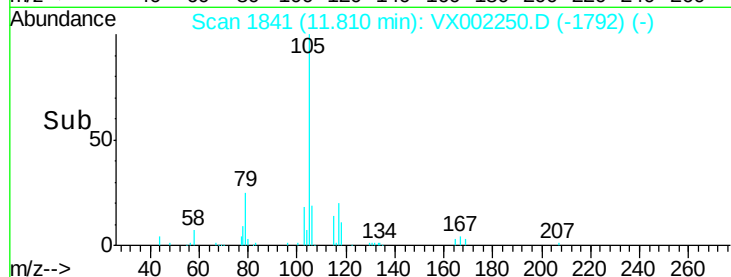
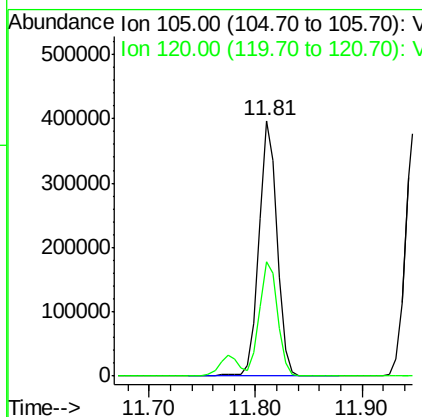
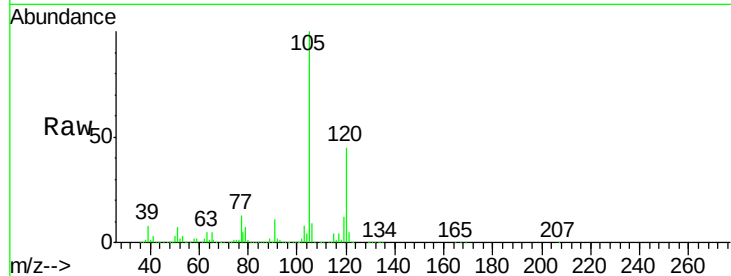
#84  
1,2,4-Trimethylbenzene  
Concen: 45.527 ug/l  
RT: 11.81 min Scan# 1841  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.0  | 22.1  | 66.5  |

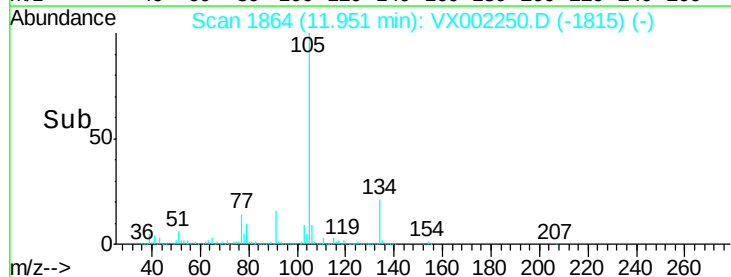
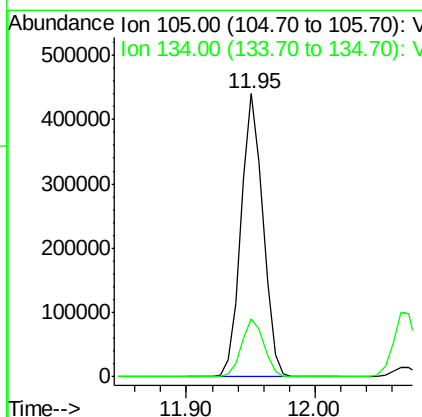
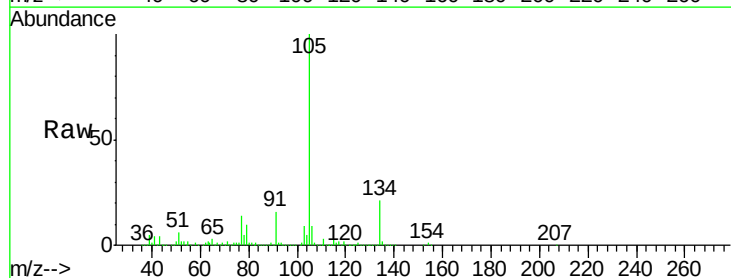
Manual Integrations  
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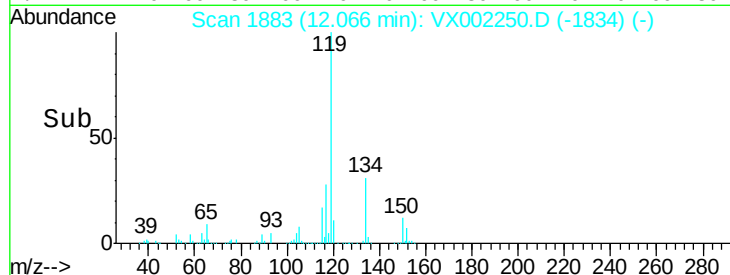
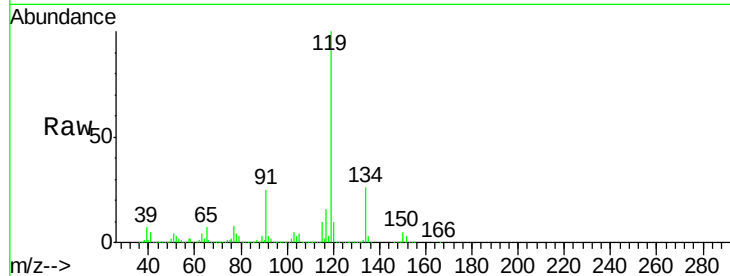
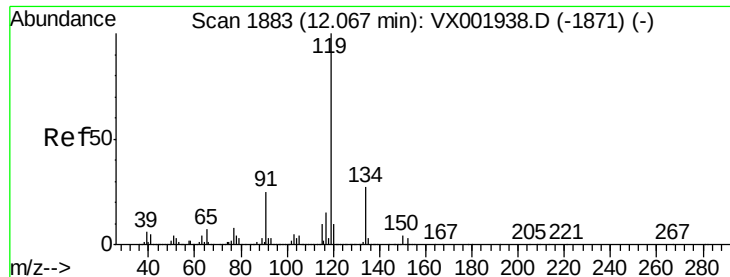
MMDadoda  
6/4/2018 2:31:53 PM



#85  
sec-Butylbenzene  
Concen: 43.602 ug/l  
RT: 11.95 min Scan# 1864  
Delta R.T. -0.00 min  
Lab File: VX002250.D  
Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.0  | 10.4  | 31.4  |





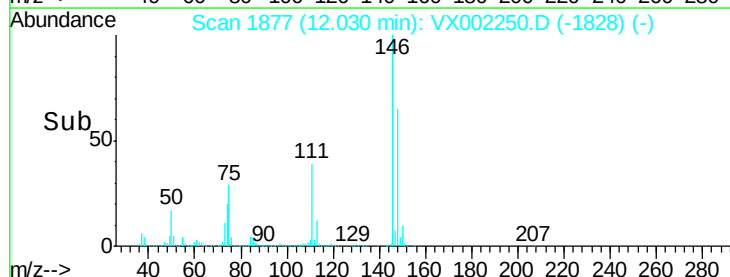
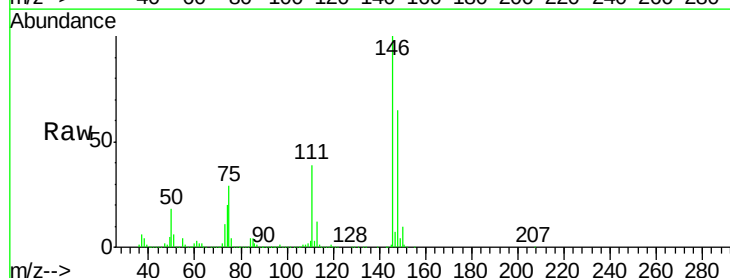
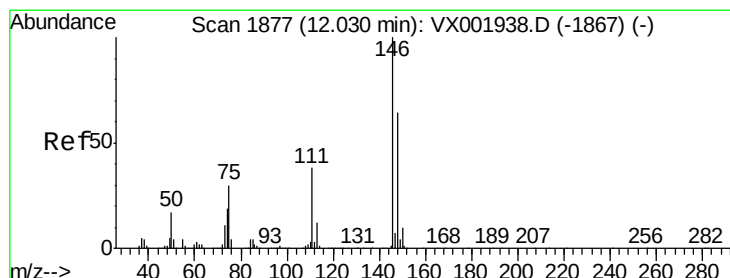
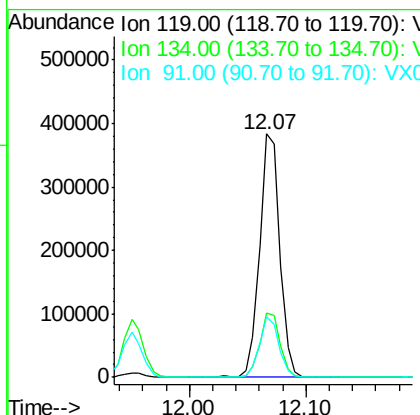
#86  
 p-Isopropyltoluene  
 Concen: 43.873 ug/l  
 RT: 12.07 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 LF6-0050MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 466180 |       |       |
| 134     | 26.5  |        | 13.6  | 40.8  |
| 91      | 24.1  |        | 12.2  | 36.4  |

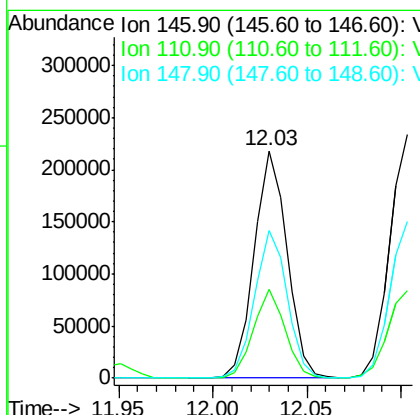
Manual Integrations  
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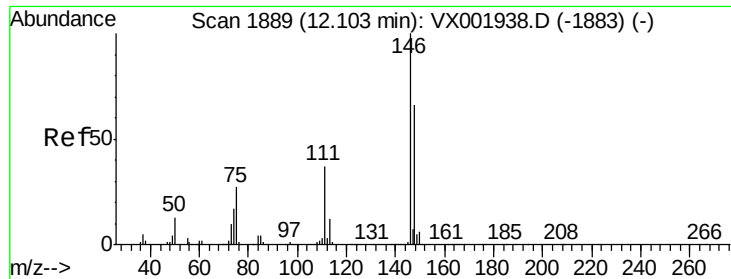


#87  
 1,3-Dichlorobenzene  
 Concen: 47.070 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 263442 |       |       |
| 111     | 37.5  |        | 19.3  | 57.8  |
| 148     | 64.6  |        | 32.1  | 96.3  |







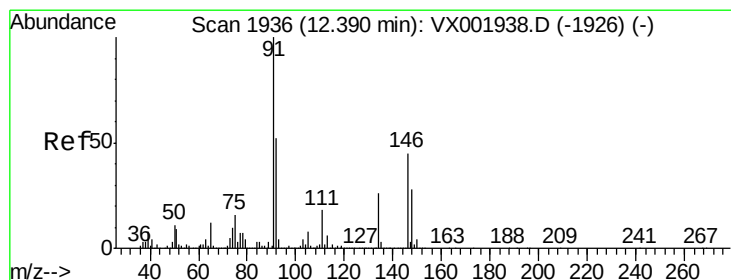
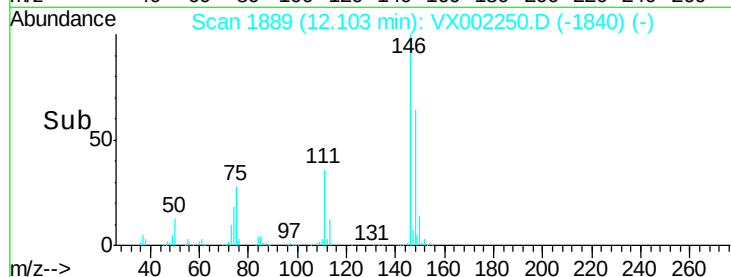
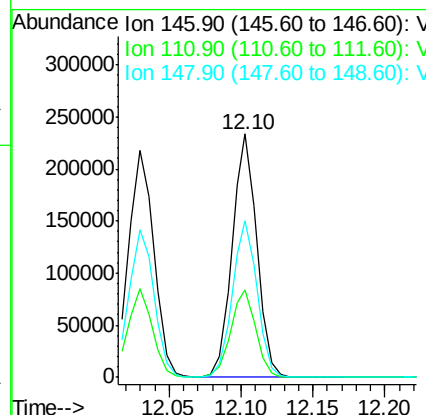
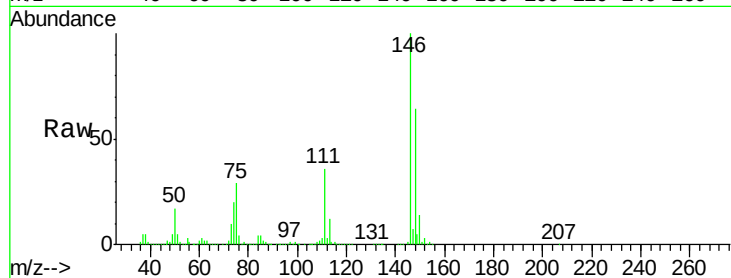
#88  
 1,4-Dichlorobenzene  
 Concen: 50.253 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.9  | 18.9  | 56.5  |
| 148     | 64.7  | 32.3  | 96.8  |

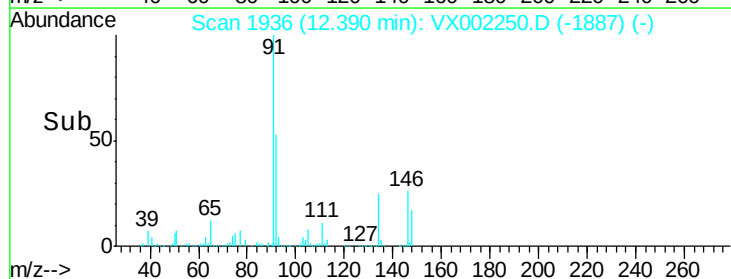
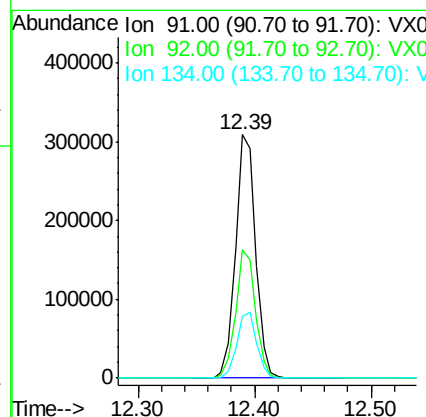
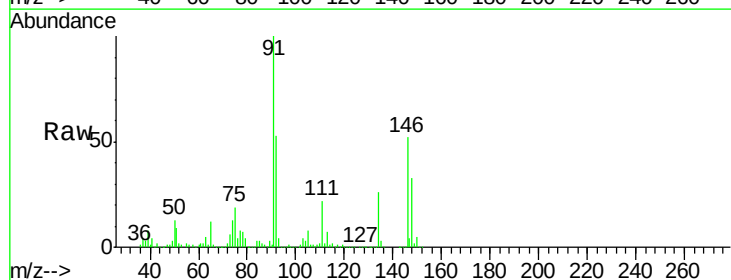
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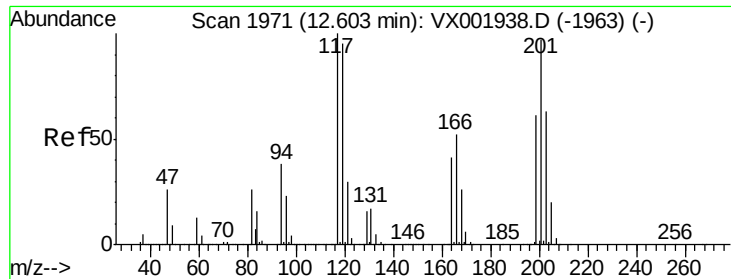
MMDadoda  
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#89  
 n-Butylbenzene  
 Concen: 41.028 ug/l  
 RT: 12.39 min Scan# 1936  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.9  | 26.3  | 78.9  |
| 134     | 27.2  | 13.6  | 40.7  |





#90

Hexachloroethane

Concen: 34.396 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

ClientSampleId :

LF6-0050MSD

Tot Ion:117 Resp: 72091

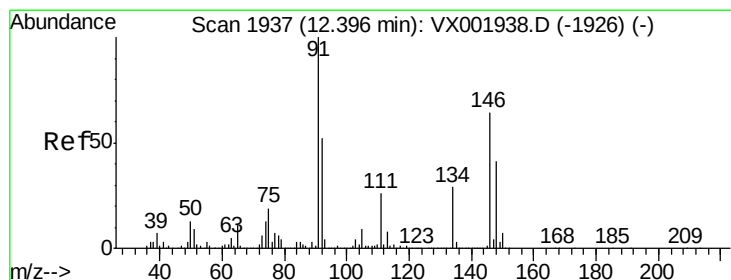
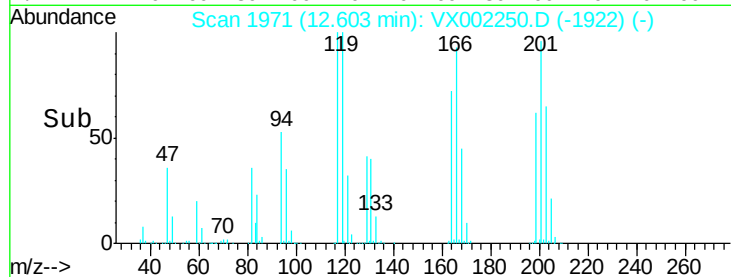
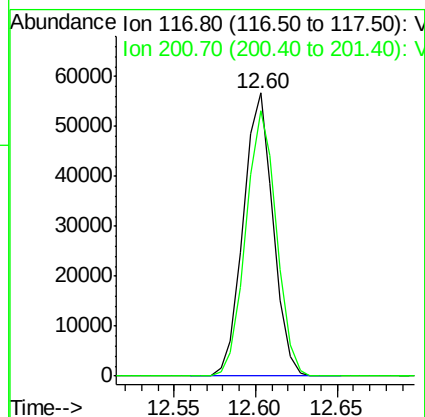
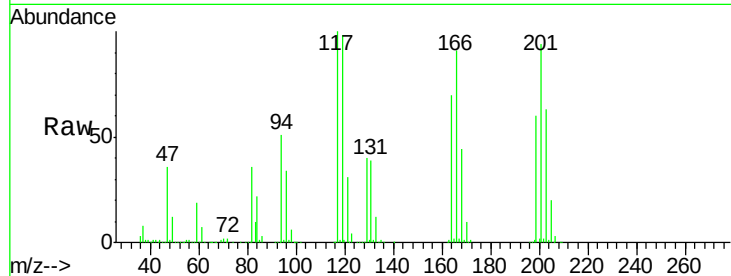
Ion Ratio Lower Upper

117 100

201 96.4 48.0 144.0

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6/4/2018 2:31:53 PM



#91

1,2-Dichlorobenzene

Concen: 50.746 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

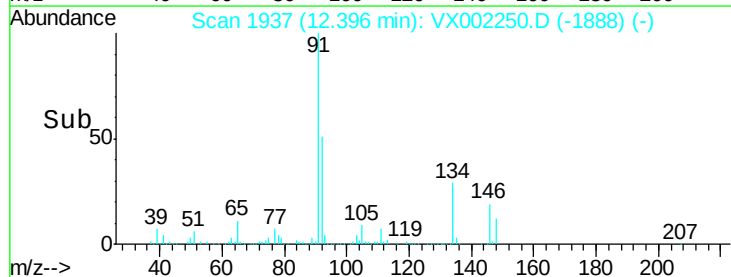
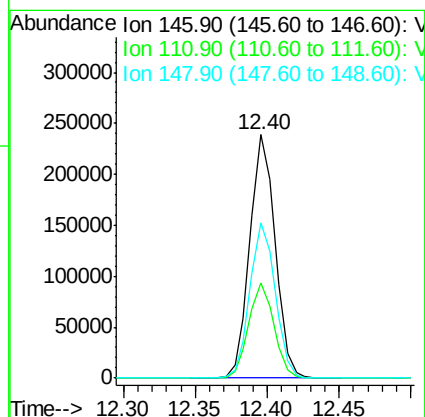
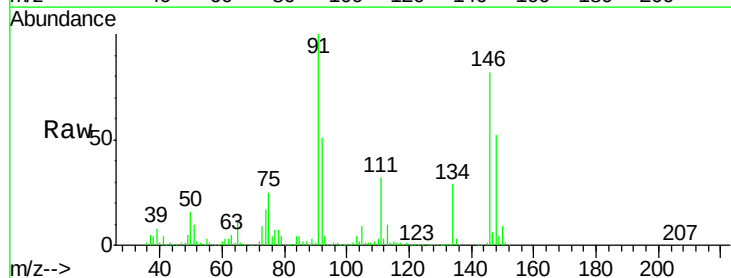
Tgt Ion:146 Resp: 289379

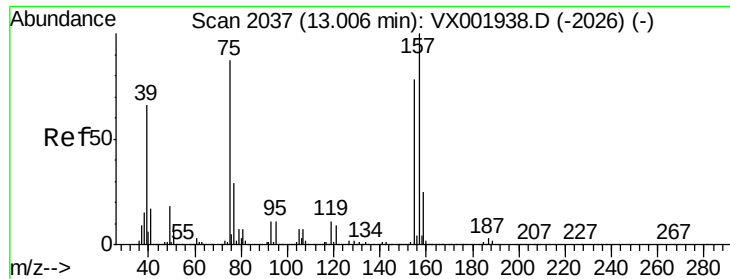
Ion Ratio Lower Upper

146 100

111 39.0 19.8 59.3

148 64.0 32.1 96.5





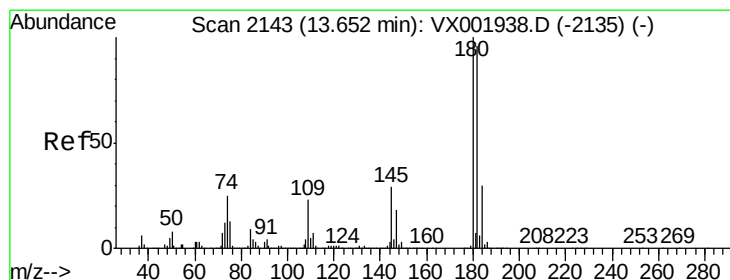
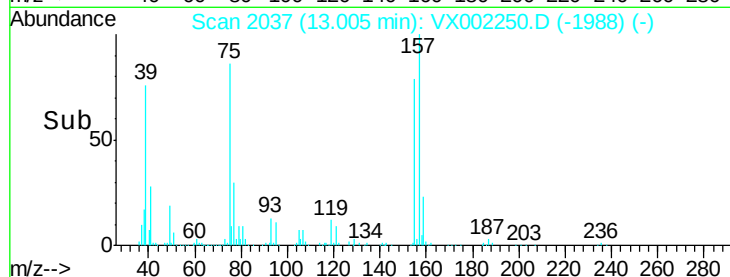
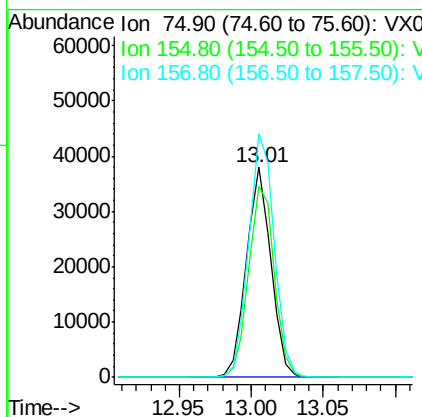
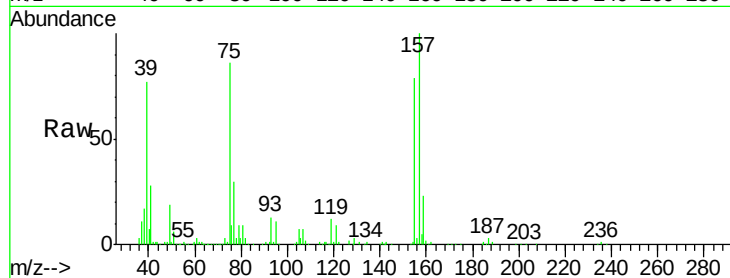
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 42.527 ug/l  
 RT: 13.01 min Scan# 2037  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0050MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 95.4  | 45.1  | 135.2 |
| 157     | 120.4 | 58.1  | 174.2 |

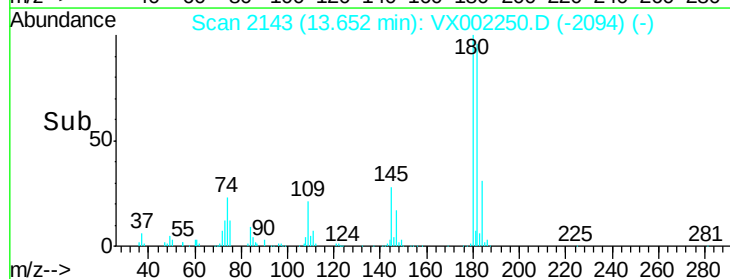
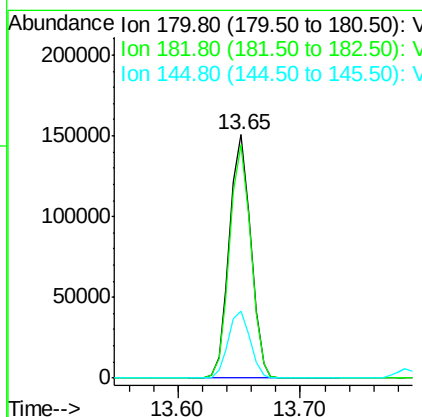
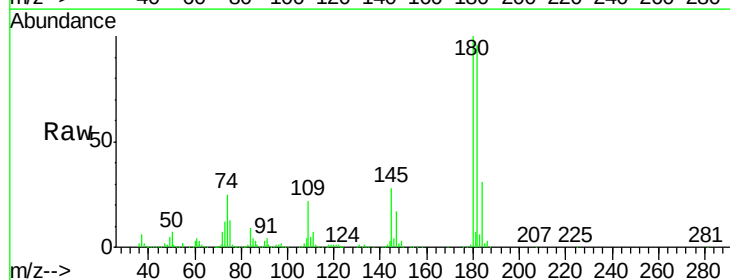
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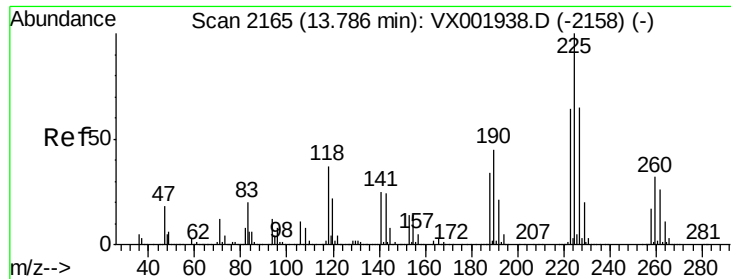
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 6/4/2018 2:31:53 PM



#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.623 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 47.7  | 143.1 |
| 145     | 28.4  | 14.4  | 43.0  |





#94

Hexachlorobutadiene

Concen: 37.880 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

Instrument :

MSVOA\_X

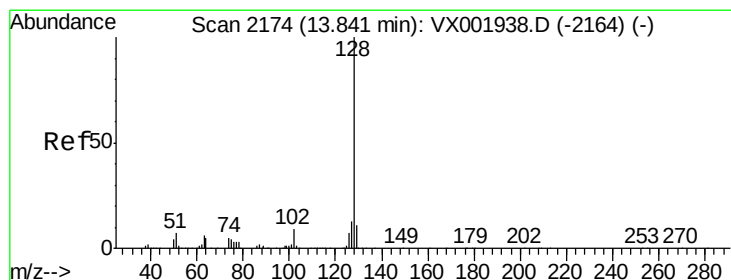
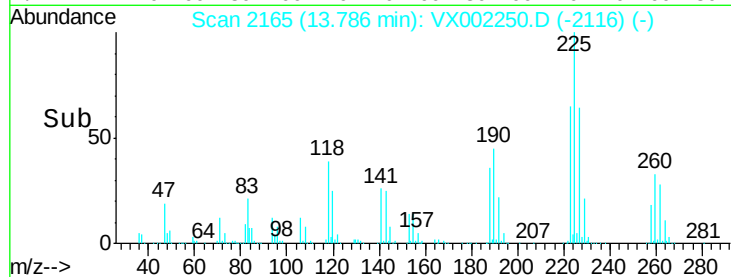
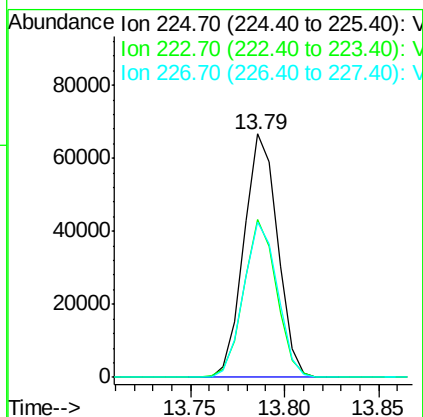
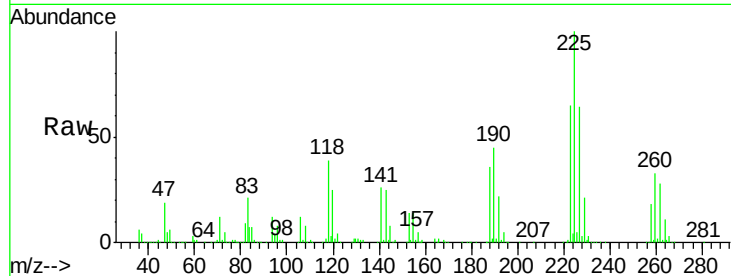
ClientSampleId :

LF6-0050MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 83089 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.9  | 31.1  | 93.5  |
| 227       | 63.9  | 32.1  | 96.5  |

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6/4/2018 2:31:53 PM



#95

Naphthalene

Concen: 51.911 ug/l

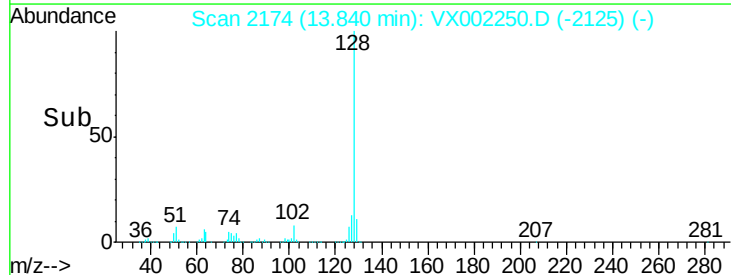
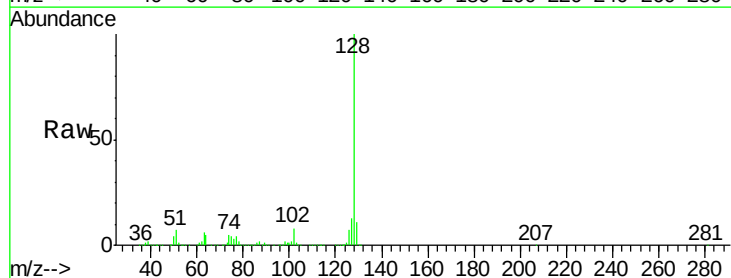
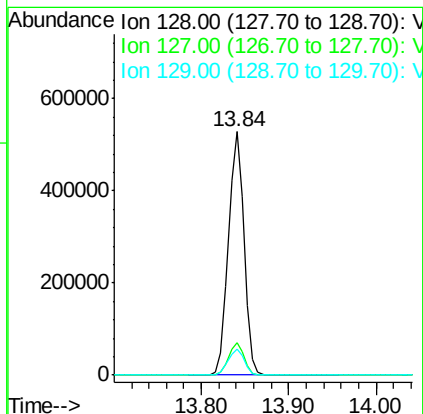
RT: 13.84 min Scan# 2174

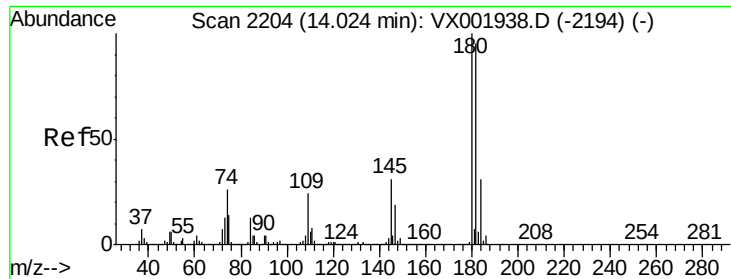
Delta R.T. -0.00 min

Lab File: VX002250.D

Acq: 02 Jun 2018 20:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 652164 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.4  | 15.6   |
| 129       | 10.9  | 8.8   | 13.2   |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 47.393 ug/l  
 RT: 14.02 min Scan# 2204  
 Delta R.T. -0.00 min  
 Lab File: VX002250.D  
 Acq: 02 Jun 2018 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF6-0050MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 180  | Resp: | 199967 |
| Ion Ratio |      | Lower | Upper  |
| 180       | 100  |       |        |
| 182       | 97.1 | 47.9  | 143.6  |
| 145       | 30.1 | 15.1  | 45.3   |

Manual Integrations  
 APPROVED

MMDadoda  
 6/4/2018 2:31:53 PM

