

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\  
 Data File : VU028597.D  
 Acq On : 11 Dec 2018 10:30  
 Operator : MD/SY  
 Sample : J6314-12MS  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW303I2-20181207MS

Manual Integrations  
 APPROVED

MMDadoda  
 12/11/2018 3:02:52 PM

Quant Time: Dec 11 13:26:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 07 00:39:42 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 89448    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 161835   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 151357   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 73625    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 75341    | 55.19 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.38% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 54939    | 53.94 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.88% |      |
| 50) Toluene-d8            | 7.56   | 98  | 212775   | 52.81 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.62% |      |
| 62) 4-Bromofluorobenzene  | 10.30  | 95  | 79015    | 52.47 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.94% |      |

## Target Compounds

|                               |      |     |        |         | Qvalue |     |
|-------------------------------|------|-----|--------|---------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 61658  | 51.428  | ug/l   | 99  |
| 3) Chloromethane              | 1.33 | 50  | 106847 | 48.474  | ug/l   | 99  |
| 4) Vinyl Chloride             | 1.40 | 62  | 81541  | 51.261  | ug/l   | 99  |
| 5) Bromomethane               | 1.61 | 94  | 30963  | 48.322  | ug/l   | 99  |
| 6) Chloroethane               | 1.69 | 64  | 45775  | 50.831  | ug/l   | 96  |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 83561  | 49.929  | ug/l   | 99  |
| 8) Diethyl Ether              | 2.10 | 74  | 38153  | 48.727  | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 48950  | 48.905  | ug/l   | 98  |
| 10) Methyl Iodide             | 2.41 | 142 | 46914  | 59.734  | ug/l   | 98  |
| 11) Tert butyl alcohol        | 2.83 | 59  | 84152  | 276.703 | ug/l   | 98  |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 49733  | 49.938  | ug/l   | 99  |
| 13) Acrolein                  | 2.19 | 56  | 55618  | 229.405 | ug/l   | 99  |
| 14) Allyl chloride            | 2.59 | 41  | 111216 | 47.206  | ug/l   | 99  |
| 15) Acrylonitrile             | 2.93 | 53  | 234020 | 277.161 | ug/l   | 99  |
| 16) Acetone                   | 2.32 | 43  | 187311 | 210.285 | ug/l   | 99  |
| 17) Carbon Disulfide          | 2.48 | 76  | 172045 | 47.954  | ug/l   | 99  |
| 18) Methyl Acetate            | 2.61 | 43  | 114222 | 49.467  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 194458 | 51.507  | ug/l   | 99  |
| 20) Methylene Chloride        | 2.70 | 84  | 62922  | 47.919  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 55294  | 49.312  | ug/l   | 98  |
| 22) Diisopropyl ether         | 3.57 | 45  | 244263 | 53.314  | ug/l   | 97  |
| 23) Vinyl Acetate             | 3.52 | 43  | 863443 | 228.480 | ug/l   | 99  |
| 24) 1,1-Dichloroethane        | 3.44 | 63  | 121709 | 50.749  | ug/l   | 99  |
| 25) 2-Butanone                | 4.26 | 43  | 321038 | 263.731 | ug/l   | 97  |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 67086  | 35.303  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96  | 64091  | 50.499  | ug/l   | 97  |
| 28) Bromochloromethane        | 4.55 | 49  | 117448 | 107.726 | ug/l   | 98  |
| 29) Tetrahydrofuran           | 4.64 | 42  | 221386 | 283.177 | ug/l   | 97  |
| 30) Chloroform                | 4.67 | 83  | 109468 | 52.371  | ug/l   | 94  |
| 31) Cyclohexane               | 4.99 | 56  | 118348 | 50.582  | ug/l   | 100 |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 89108  | 51.329  | ug/l   | 98  |
| 36) 1,1-Dichloropropene       | 5.13 | 75  | 84845  | 47.910  | ug/l   | 100 |
| 37) Ethyl Acetate             | 4.38 | 43  | 107317 | 46.878  | ug/l   | 98  |
| 38) Carbon Tetrachloride      | 5.13 | 117 | 70777  | 49.585  | ug/l   | 98  |

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 ALS Vial : 54 Sample Multiplier: 1

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 MSVOA\_U  
 ClientSampleId :  
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Manual Integrations  
 APPROVED

MMDadoda  
 12/11/2018 3:02:52 PM

Quant Time: Dec 11 13:26:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 07 00:39:42 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 6.41  | 83   | 99687    | 46.140   | ug/l   | 99       |
| 40) Benzene                    | 5.39  | 78   | 261116   | 50.062   | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.54  | 41   | 67935    | 54.187   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 90790    | 49.728   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 178919   | 49.412   | ug/l   | 99       |
| 44) Trichloroethene            | 6.19  | 130  | 59290    | 51.124   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 75969    | 51.795   | ug/l   | 98       |
| 46) Dibromomethane             | 6.56  | 93   | 44310    | 50.916   | ug/l   | 99       |
| 47) Bromodichloromethane       | 6.76  | 83   | 84628    | 49.973   | ug/l   | 98       |
| 48) Methyl methacrylate        | 6.62  | 41   | 97854    | 54.341   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 31094    | 1093.594 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 617607   | 270.430  | ug/l   | 99       |
| 52) Toluene                    | 7.64  | 92   | 151370   | 49.312   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 95793    | 47.496   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 102361   | 46.779   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.06  | 97   | 62361    | 51.394   | ug/l   | 96       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 109106   | 52.508   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 113671   | 50.466   | ug/l   | 100      |
| 59) 2-Hexanone                 | 8.36  | 43   | 470602   | 259.979  | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.48  | 129  | 58885    | 49.567   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 64799    | 50.925   | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.22  | 164  | 48707    | 48.244   | ug/l   | 98       |
| 65) Chlorobenzene              | 9.12  | 112  | 157969   | 48.979   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 53383    | 51.832   | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.25  | 91   | 293833   | 49.558   | ug/l   | 98       |
| 68) m/p-Xylenes                | 9.37  | 106  | 213423   | 98.924   | ug/l   | 98       |
| 69) o-Xylene                   | 9.78  | 106  | 105071   | 50.115   | ug/l   | 98       |
| 70) Styrene                    | 9.79  | 104  | 173365   | 49.965   | ug/l   | 100      |
| 71) Bromoform                  | 9.96  | 173  | 45128    | 51.507   | ug/l # | 97       |
| 73) Isopropylbenzene           | 10.16 | 105  | 279358   | 49.448   | ug/l   | 99       |
| 74) N-amyl acetate             | 10.01 | 43   | 148862   | 45.680   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 115952   | 53.429   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 99944m   | 53.161   | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 65941    | 49.907   | ug/l   | 100      |
| 78) n-propylbenzene            | 10.58 | 91   | 340378   | 48.487   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 199957   | 49.449   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 233090   | 49.843   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 31856m   | 41.748   | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 229744   | 47.945   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.10 | 119  | 222602   | 49.385   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 239422   | 49.678   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.32 | 105  | 283647   | 48.983   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 235465   | 47.869   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.41 | 146  | 120377   | 48.249   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.50 | 146  | 119354   | 46.238   | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 226993   | 45.597   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.14 | 117  | 36368    | 48.915   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 121331   | 48.618   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.65 | 75   | 25197    | 53.628   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene     | 13.50 | 180  | 79216    | 46.257   | ug/l   | 99       |

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Sample : J6314-12MS  
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ALS Vial : 54 Sample Multiplier: 1

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MSVOA\_U  
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BPS1-TT-MW303I2-20181207MS

Manual Integrations  
APPROVED

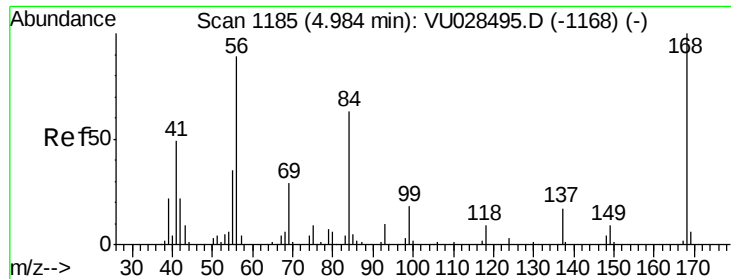
MMDadoda  
12/11/2018 3:02:52 PM

Quant Time: Dec 11 13:26:19 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 07 00:39:42 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.69 | 225  | 35295    | 43.175 | ug/l  | 96       |
| 95) Naphthalene            | 13.74 | 128  | 287867   | 48.070 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 81493    | 47.754 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MS

Tot Ion:168 Resp: 89448

Ion Ratio Lower Upper

168 100

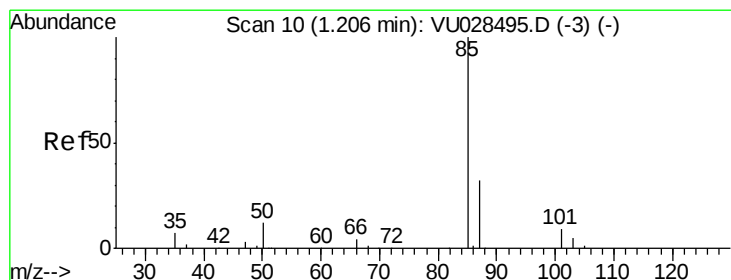
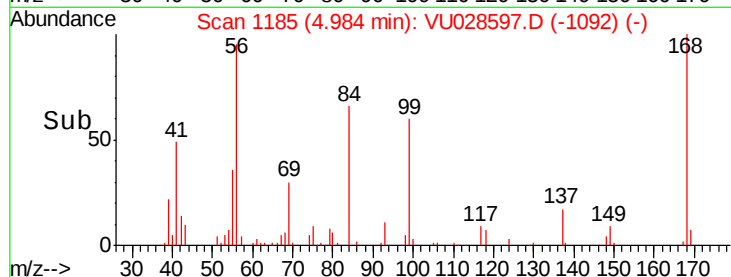
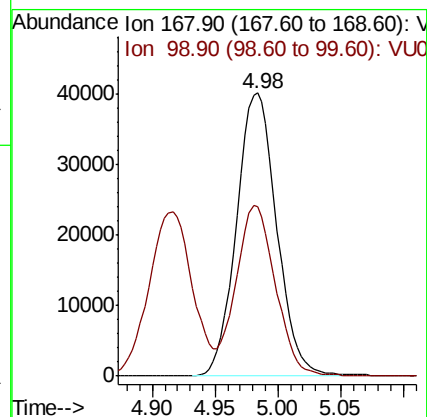
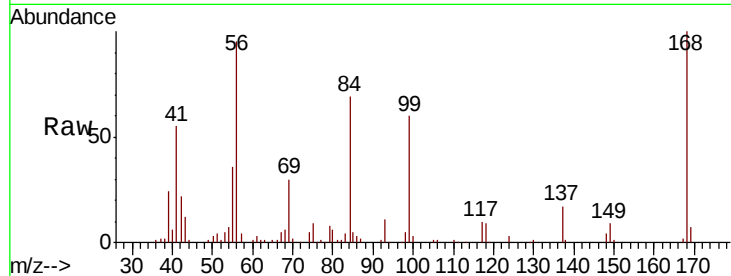
99 59.7 46.6 69.8

Manual Integrations

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MMDadoda

12/11/2018 3:02:52 PM



#2

Dichlorodifluoromethane

Concen: 51.428 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028597.D

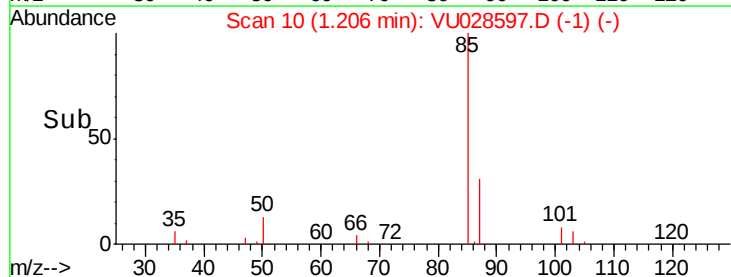
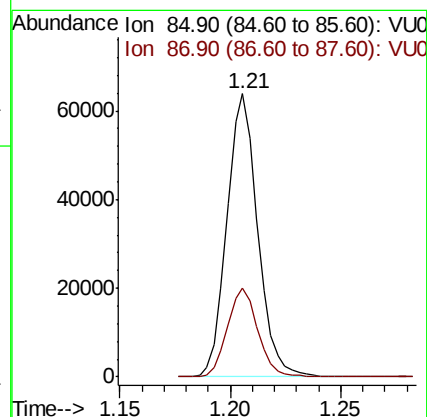
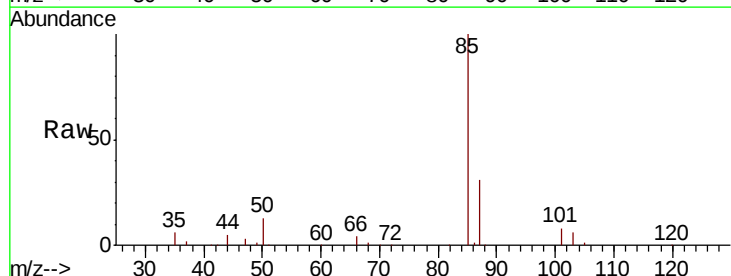
Acq: 11 Dec 2018 10:30

Tgt Ion: 85 Resp: 61658

Ion Ratio Lower Upper

85 100

87 31.3 15.9 47.6





#3

Chloromethane

Concen: 48.474 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MS

Tot Ion: 50 Resp: 106847

Ion Ratio Lower Upper

50 100

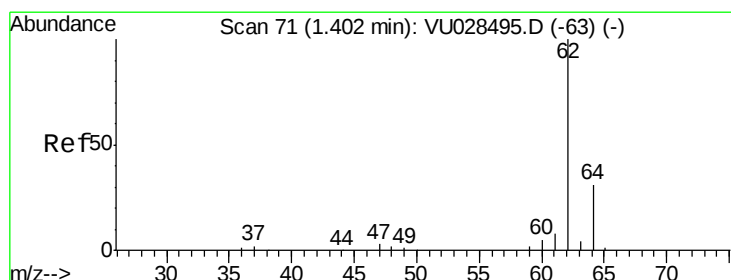
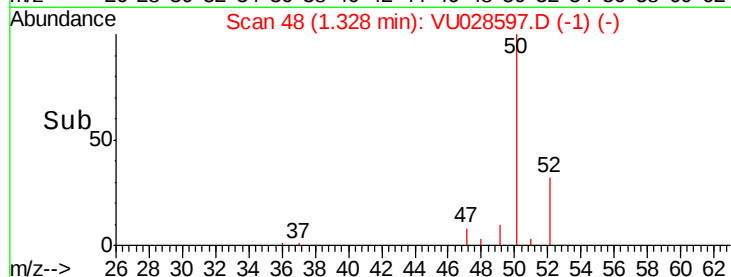
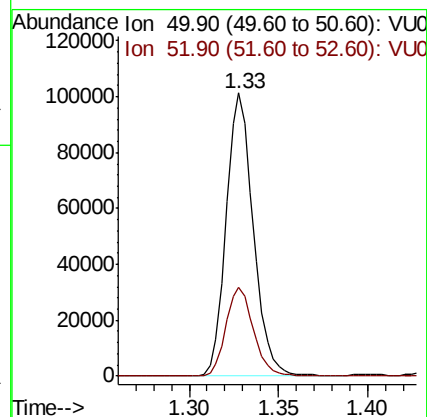
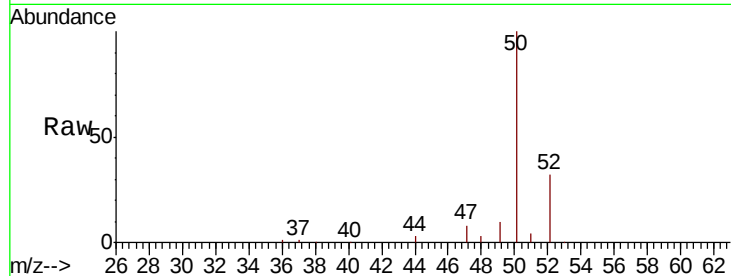
52 31.5 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:52 PM



#4

Vinyl Chloride

Concen: 51.261 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028597.D

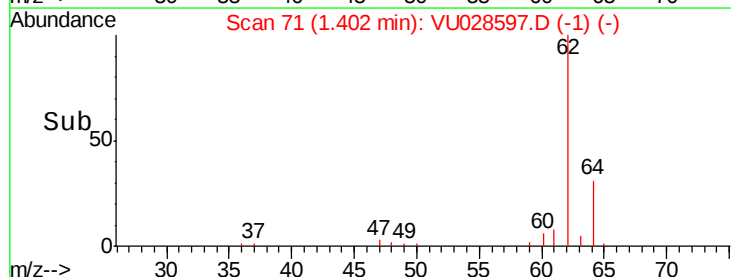
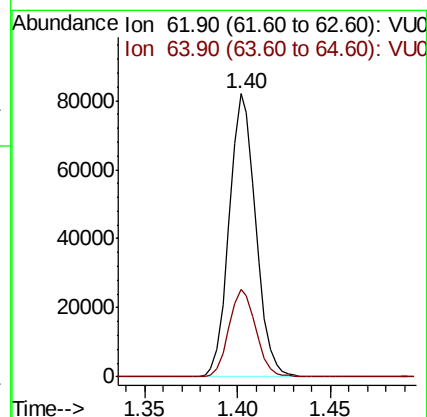
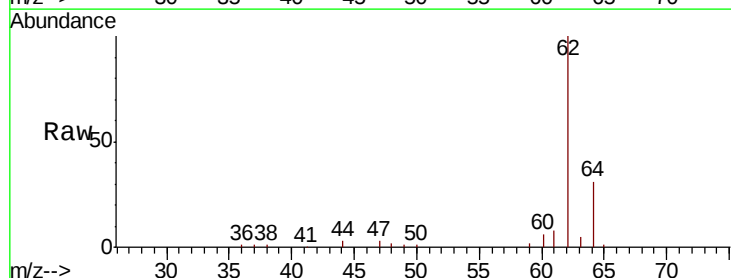
Acq: 11 Dec 2018 10:30

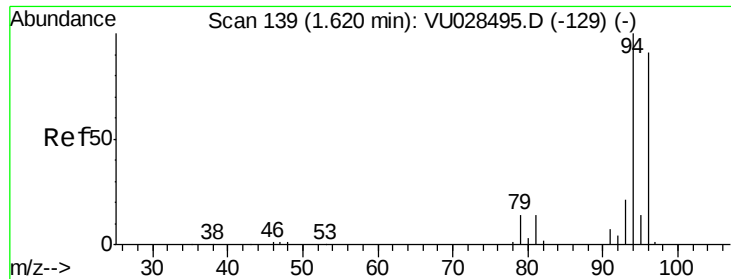
Tgt Ion: 62 Resp: 81541

Ion Ratio Lower Upper

62 100

64 30.8 25.1 37.7





#5

Bromomethane

Concen: 48.322 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 30963

Ion Ratio Lower Upper

94 100

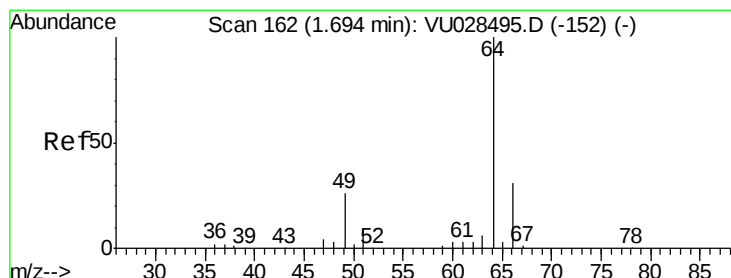
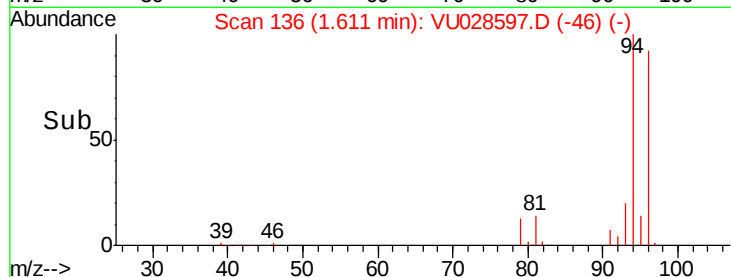
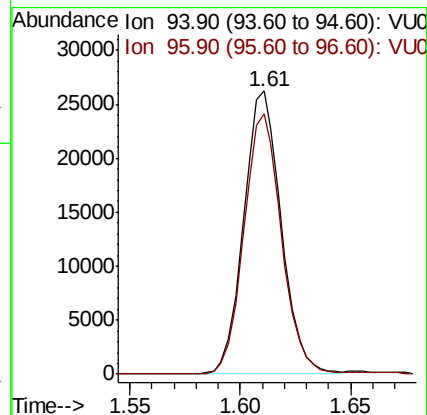
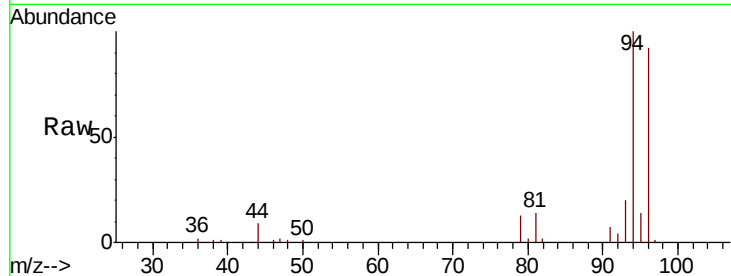
96 92.0 73.2 109.8

Manual Integrations

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12/11/2018 3:02:52 PM



#6

Chloroethane

Concen: 50.831 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028597.D

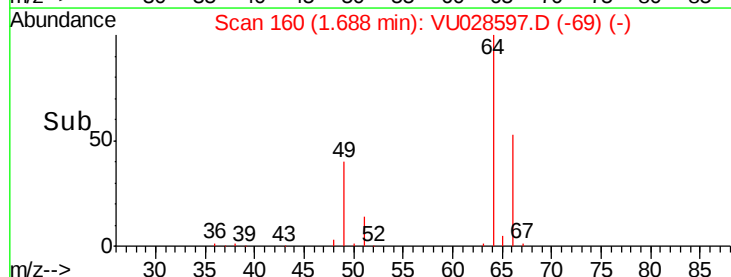
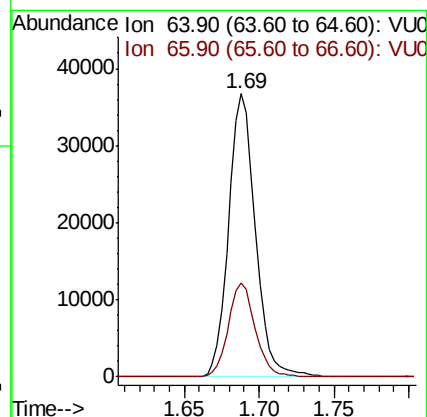
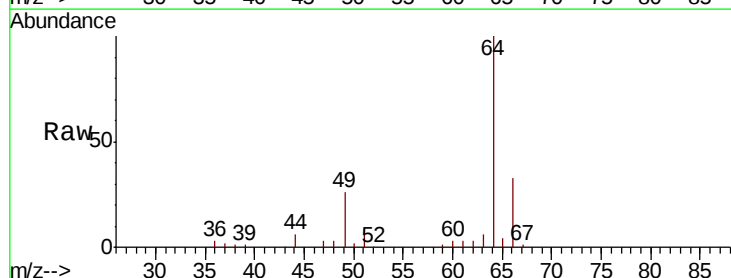
Acq: 11 Dec 2018 10:30

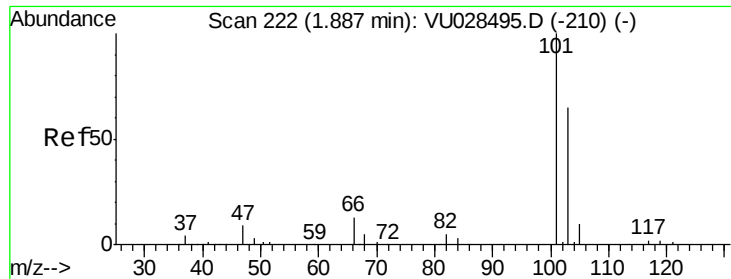
Tgt Ion: 64 Resp: 45775

Ion Ratio Lower Upper

64 100

66 33.2 25.0 37.6





#7

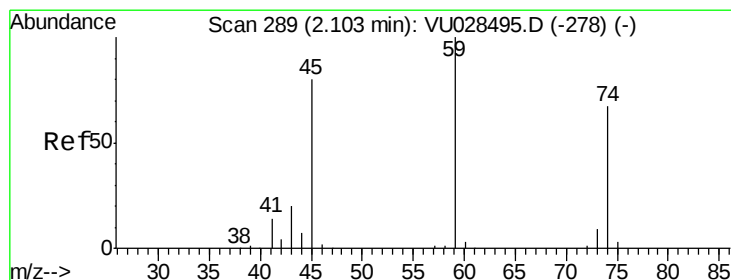
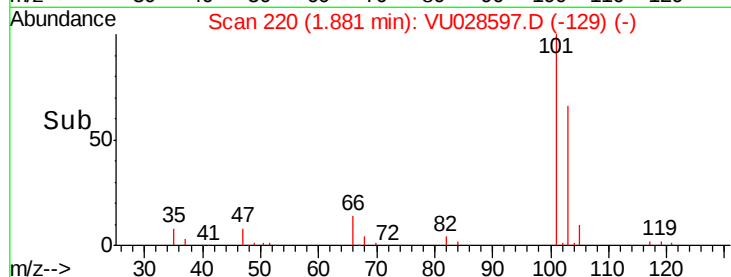
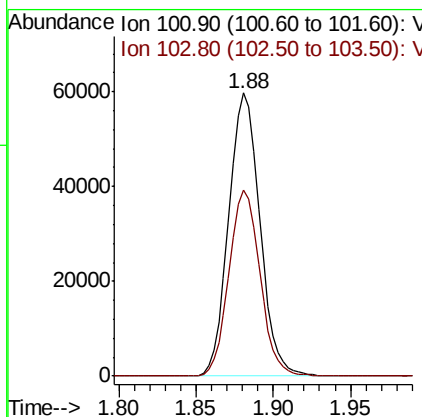
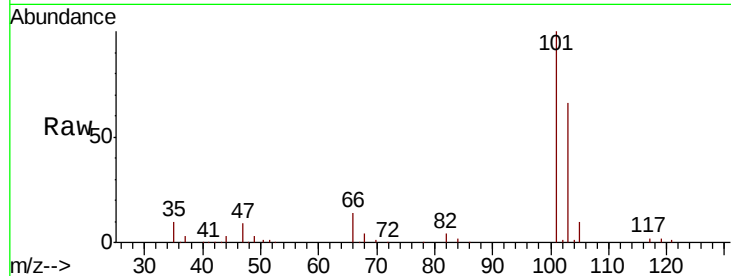
Trichlorofluoromethane  
 Concen: 49.929 ug/l  
 RT: 1.88 min Scan# 220  
 Delta R.T. -0.01 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Instrument :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.9  | 52.3  | 78.5  |

Manual Integrations  
 APPROVED

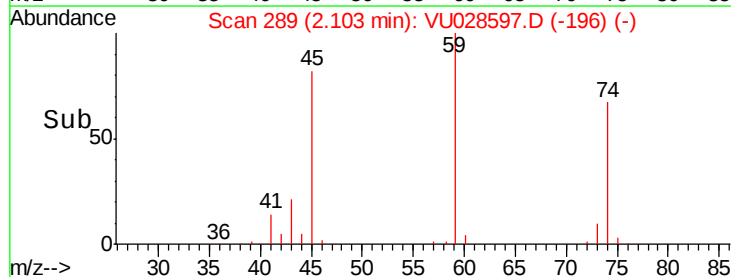
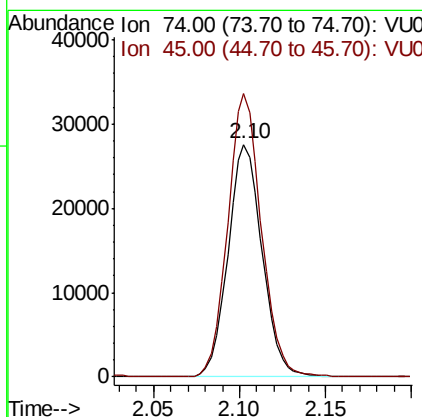
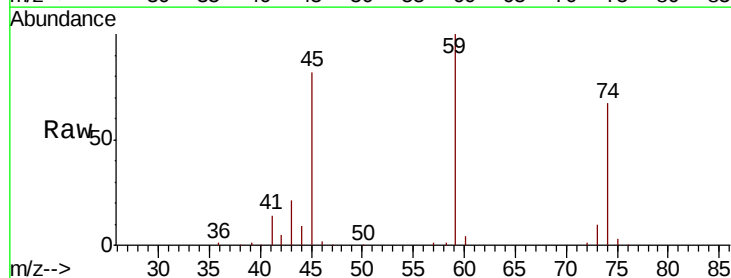
MMDadoda  
 12/11/2018 3:02:52 PM

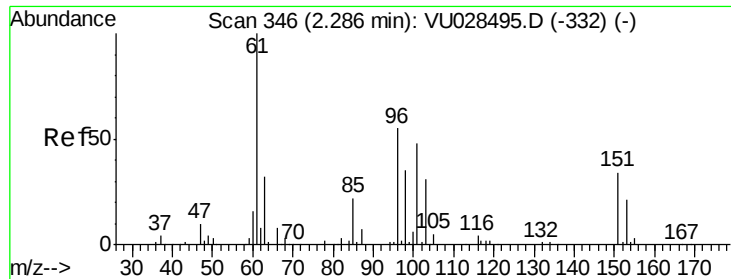


#8

Diethyl Ether  
 Concen: 48.727 ug/l  
 RT: 2.10 min Scan# 289  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 120.5 | 59.7  | 179.0 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.905 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

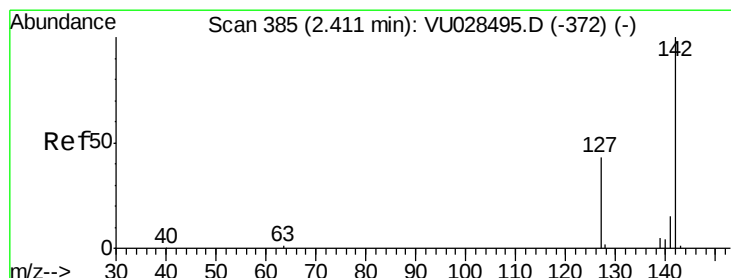
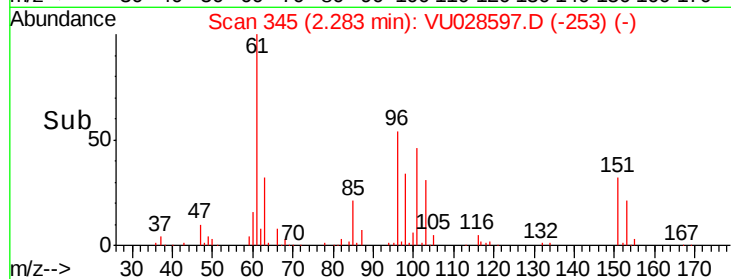
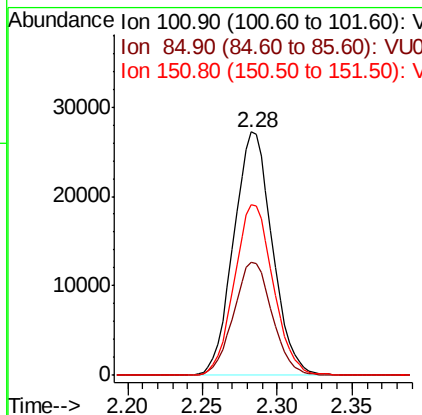
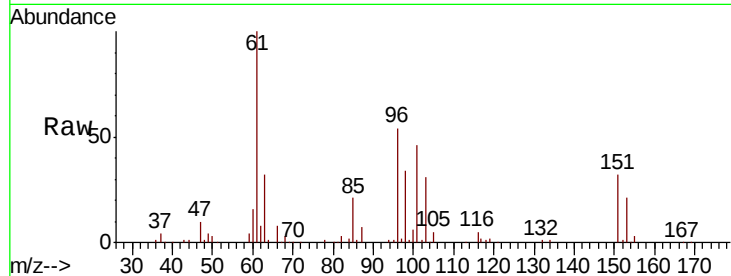
ClientSampleId :

BPS1-TT-MW303I2-20181207MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 48950 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.2  | 36.4  | 54.6  |
| 151       | 70.5  | 58.2  | 87.2  |

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#10

Methyl Iodide

Concen: 59.734 ug/l

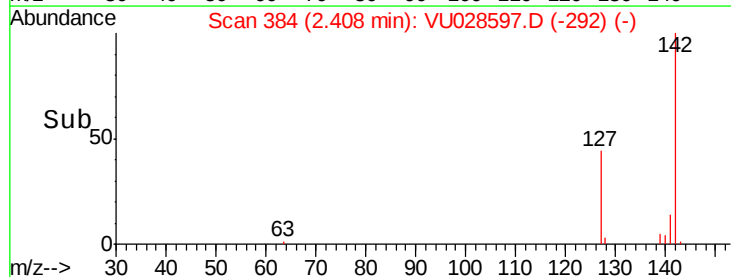
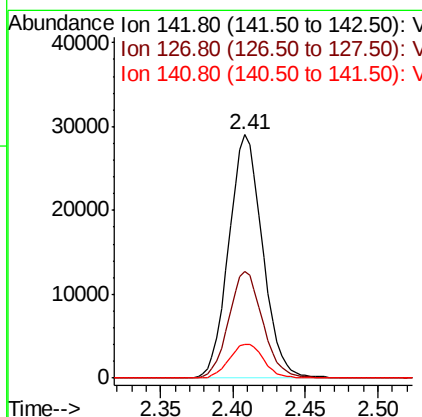
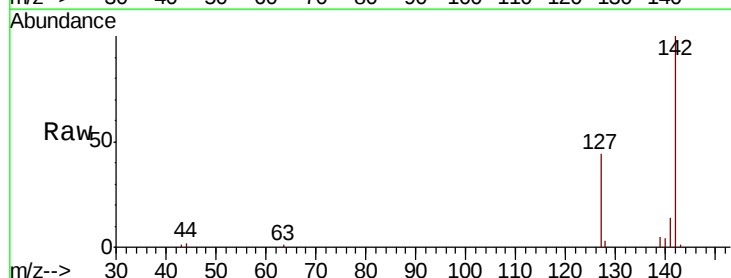
RT: 2.41 min Scan# 384

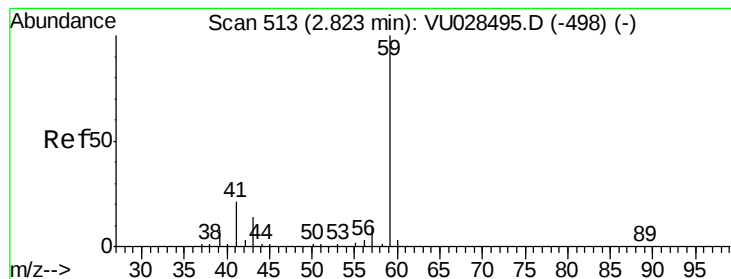
Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 46914 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.8  | 33.5  | 50.3  |
| 141       | 14.0  | 11.2  | 16.8  |





#11

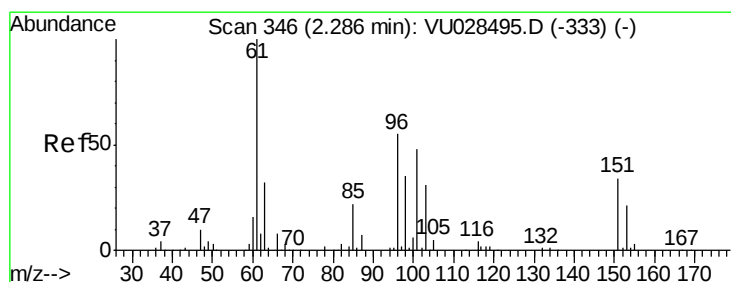
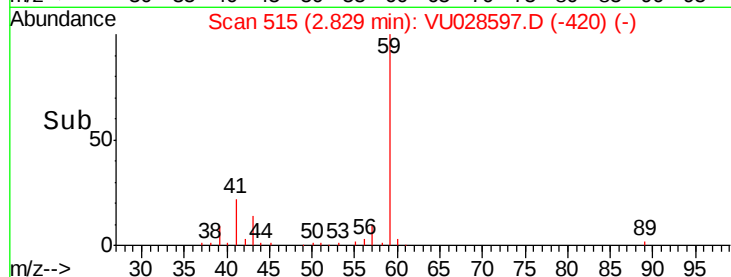
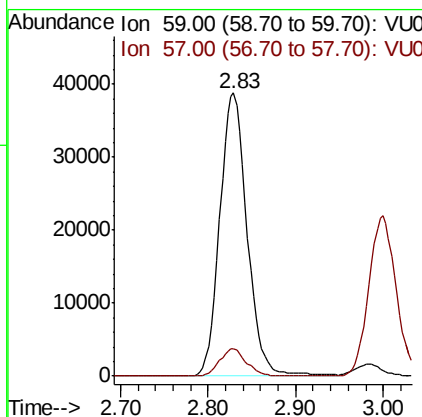
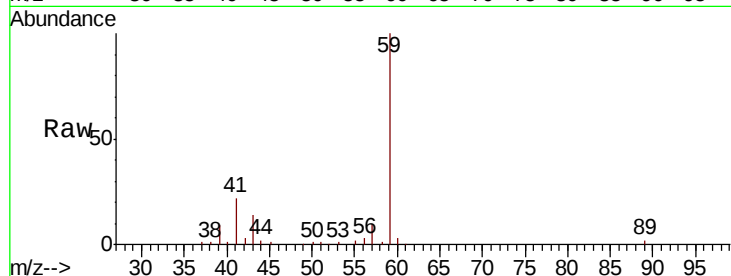
Tert butyl alcohol  
Concen: 276.703 ug/l  
RT: 2.83 min Scan# 515  
Delta R.T. 0.01 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW30312-20181207MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 59      | 100   |      |       |       |
| 57      | 9.3   |      | 8.0   | 12.0  |

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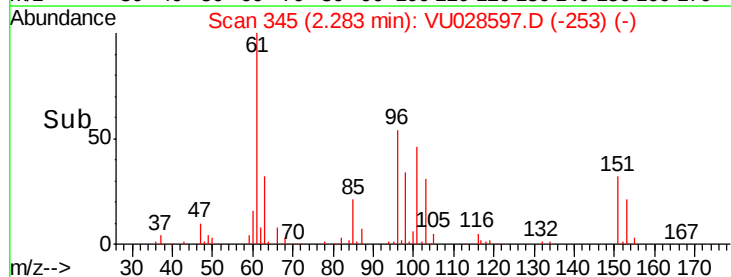
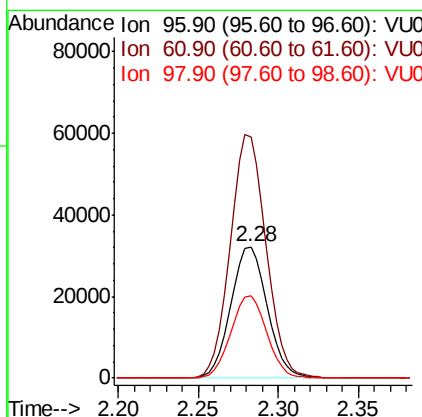
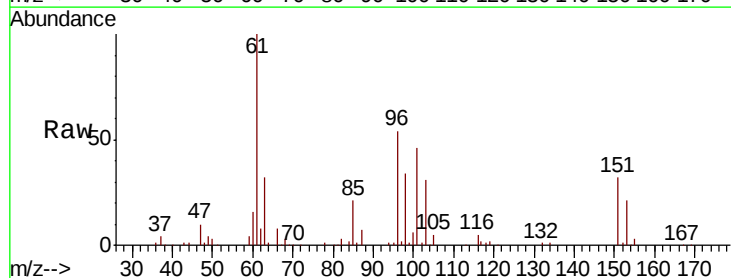
MMDadoda  
12/11/2018 3:02:52 PM

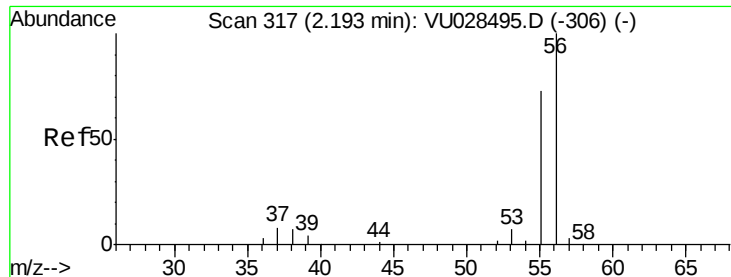


#12

1,1-Dichloroethene  
Concen: 49.938 ug/l  
RT: 2.28 min Scan# 345  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 183.7 |      | 146.4 | 219.6 |
| 98      | 62.5  |      | 51.8  | 77.8  |





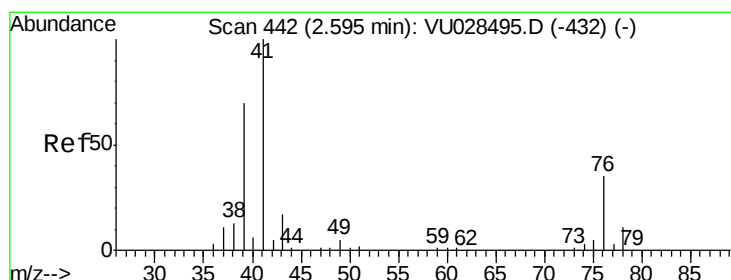
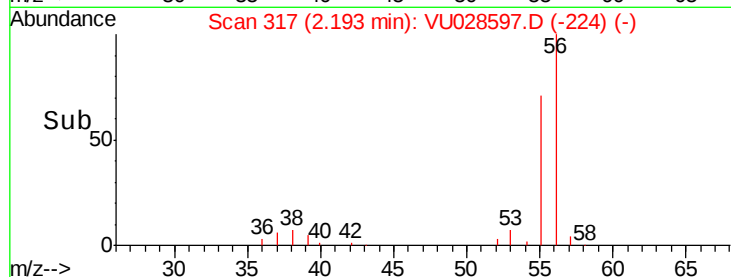
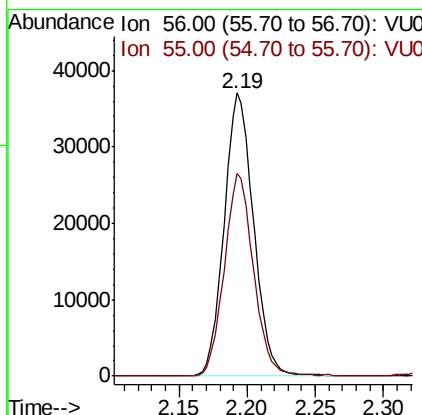
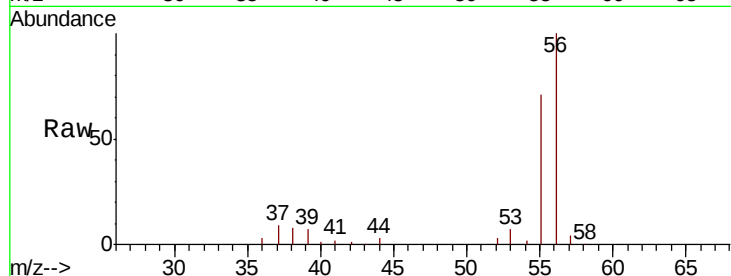
#13  
Acrolein  
Concen: 229.405 ug/l  
RT: 2.19 min Scan# 317  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW30312-20181207MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 70.7  | 57.5  | 86.3  |

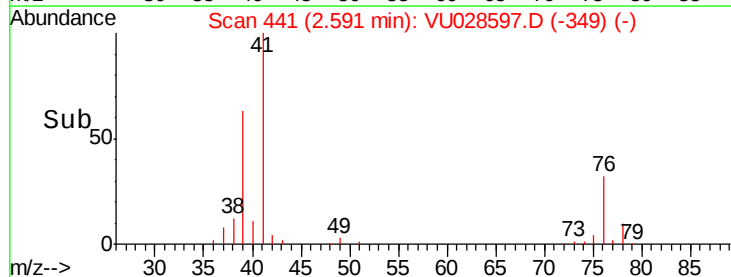
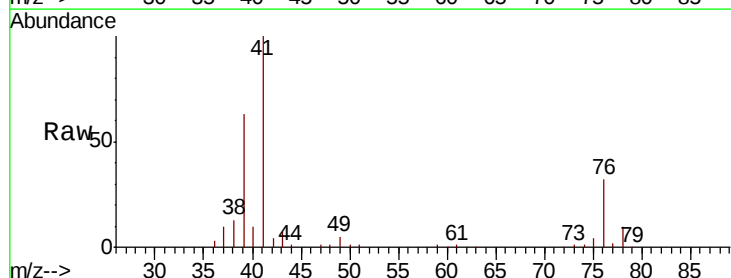
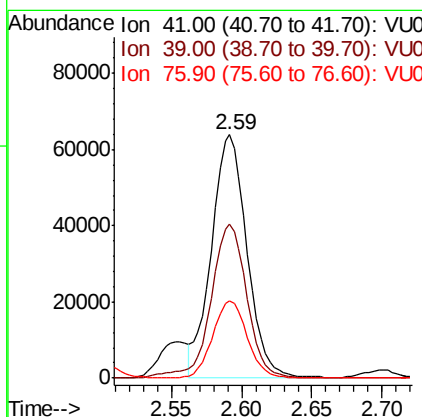
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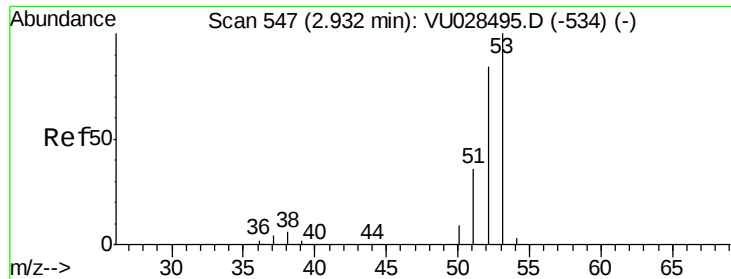
MMDadoda  
12/11/2018 3:02:52 PM



#14  
Allyl chloride  
Concen: 47.206 ug/l  
RT: 2.59 min Scan# 441  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 64.2  | 50.8  | 76.2  |
| 76      | 31.0  | 24.8  | 37.2  |





#15

Acrylonitrile

Concen: 277.161 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

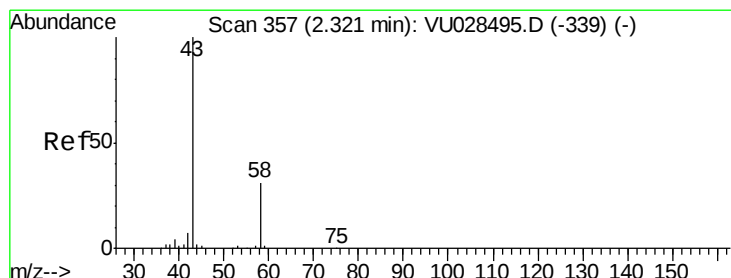
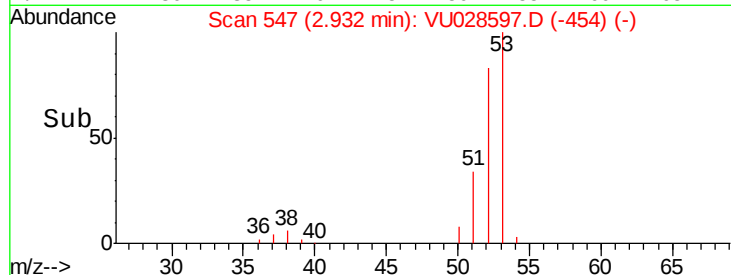
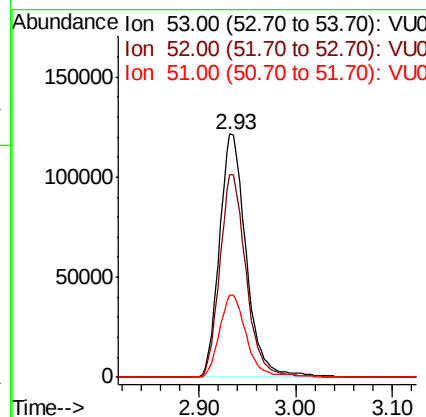
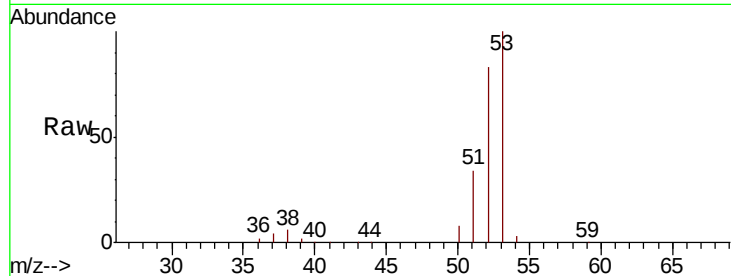
ClientSampleId :

BPS1-TT-MW303I2-20181207MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 234020 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.7  | 66.1  | 99.1   |
| 51       | 33.6  | 28.1  | 42.1   |

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#16

Acetone

Concen: 210.285 ug/l

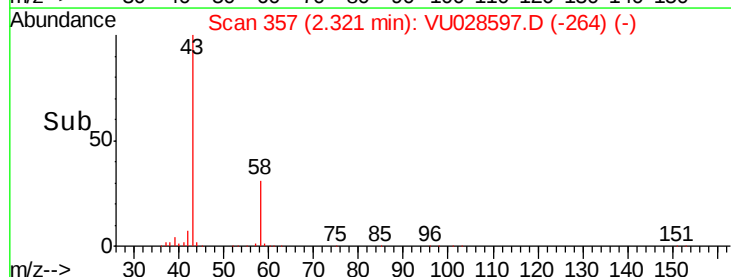
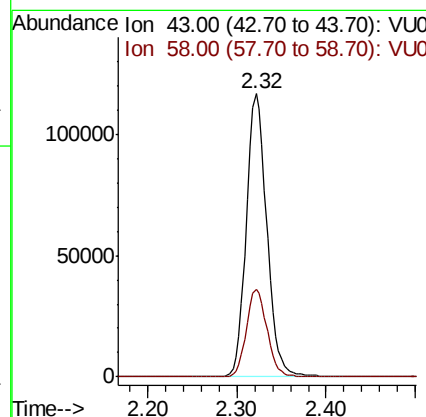
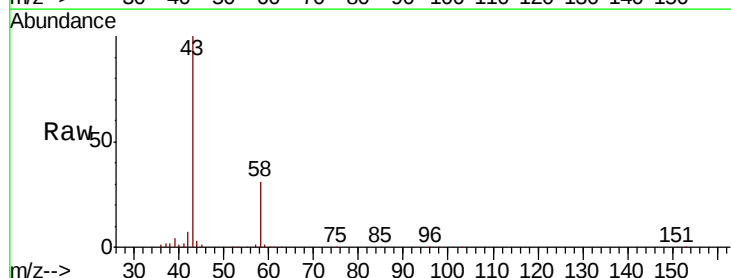
RT: 2.32 min Scan# 357

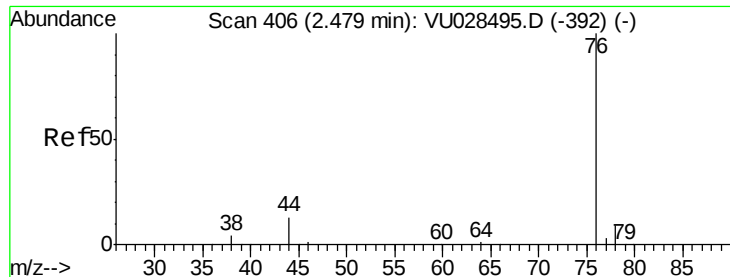
Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 187311 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 31.1  | 24.6  | 37.0   |





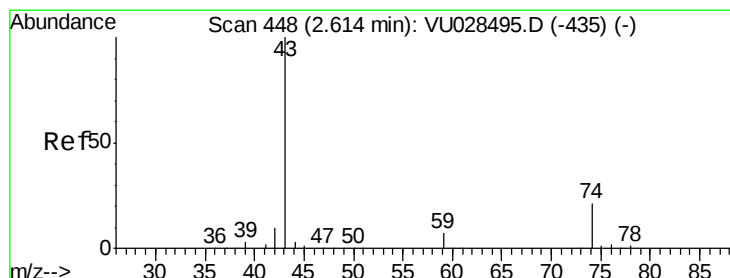
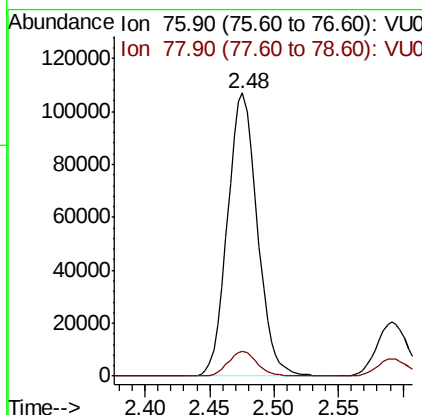
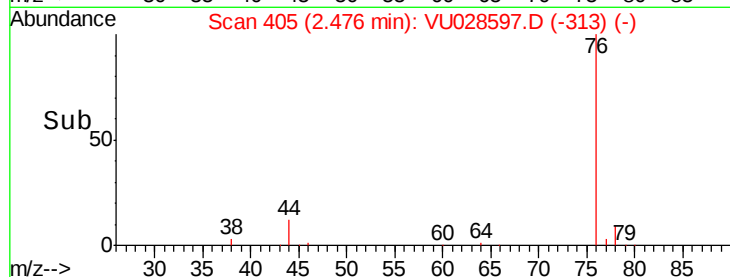
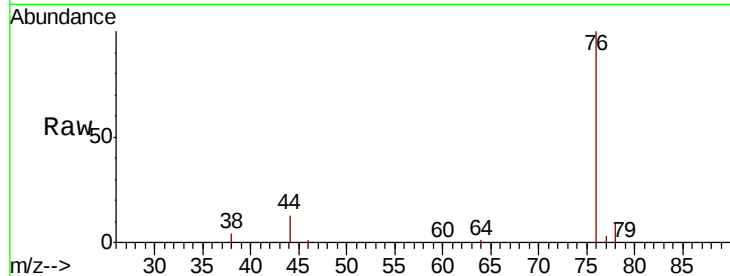
#17  
Carbon Disulfide  
Concen: 47.954 ug/l  
RT: 2.48 min Scan# 405  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MS

Tot Ion: 76 Resp: 172045  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.2 10.8

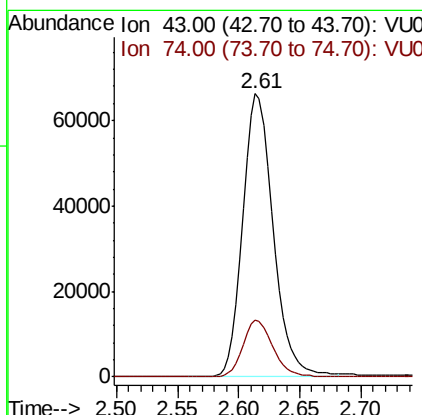
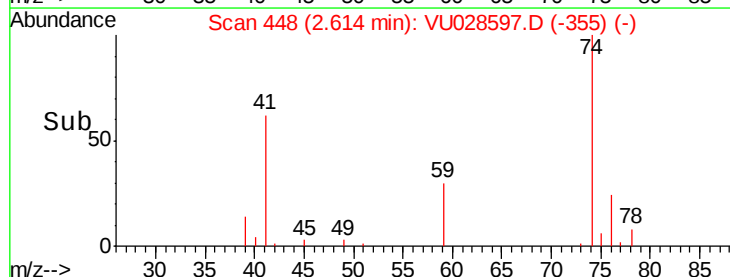
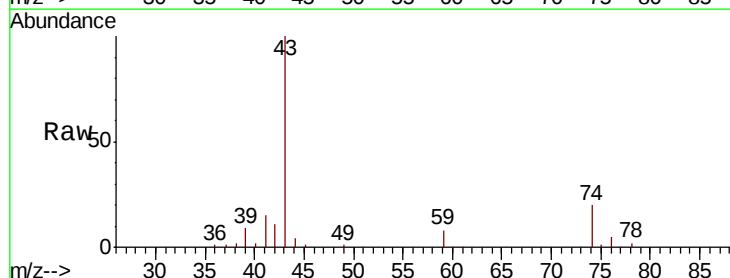
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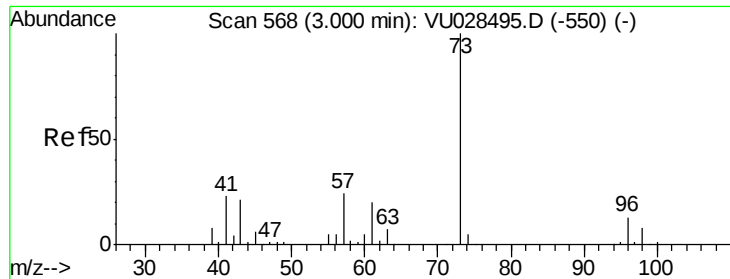
MMDadoda  
12/11/2018 3:02:52 PM



#18  
Methyl Acetate  
Concen: 49.467 ug/l  
RT: 2.61 min Scan# 448  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Tgt Ion: 43 Resp: 114222  
Ion Ratio Lower Upper  
43 100  
74 19.8 16.4 24.6





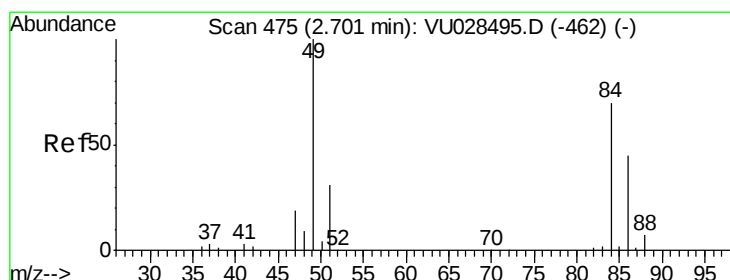
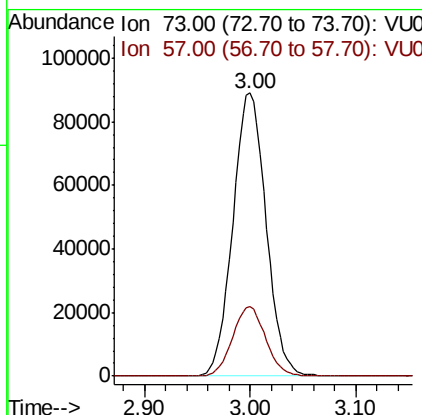
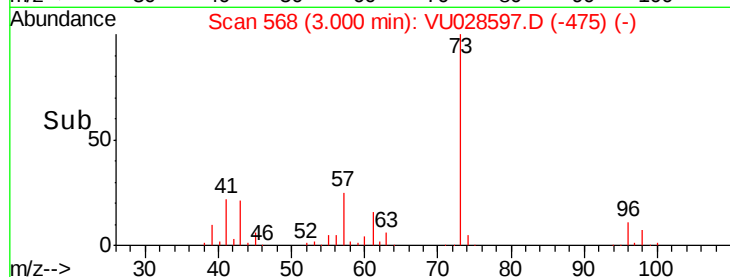
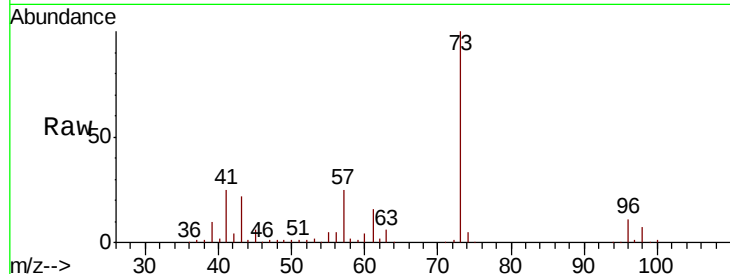
#19  
Methvl tert-butvl Ether  
Concen: 51.507 ug/l  
RT: 3.00 min Scan# 568  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MS

Tot Ion: 73 Resp: 194458  
Ion Ratio Lower Upper  
73 100  
57 24.7 19.4 29.2

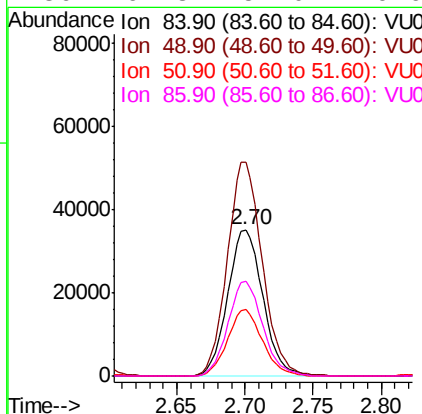
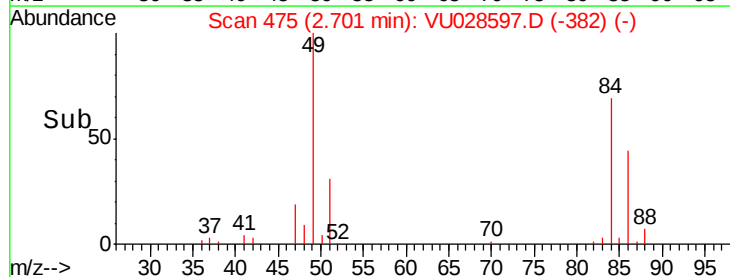
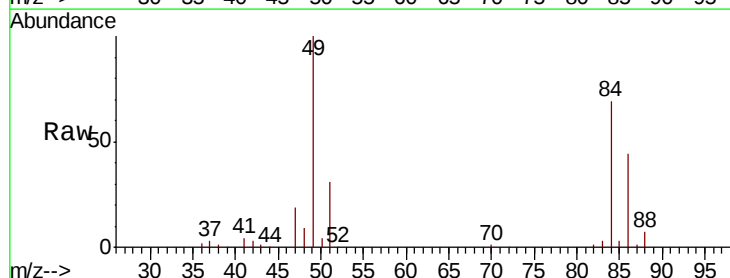
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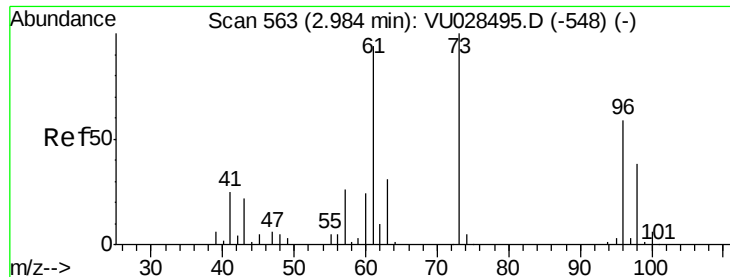
MMDadoda  
12/11/2018 3:02:52 PM



#20  
Methylene Chloride  
Concen: 47.919 ug/l  
RT: 2.70 min Scan# 475  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Tgt Ion: 84 Resp: 62922  
Ion Ratio Lower Upper  
84 100  
49 145.4 114.0 171.0  
51 45.3 35.1 52.7  
86 64.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.312 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MS

Tot Ion: 96 Resp: 55294

Ion Ratio Lower Upper

96 100

61 159.4 127.0 190.4

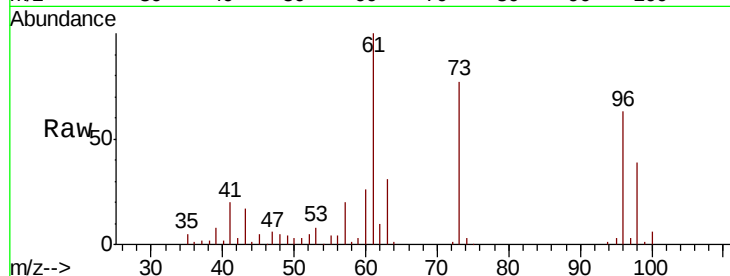
98 61.7 51.9 77.9

Manual Integrations

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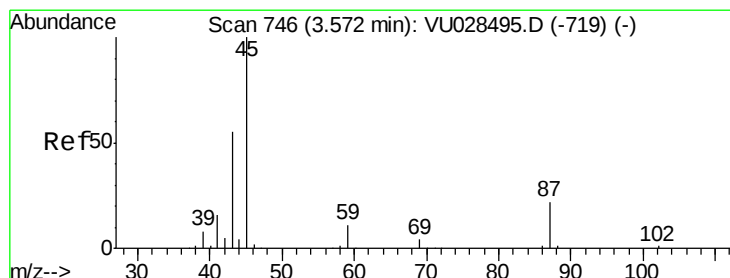
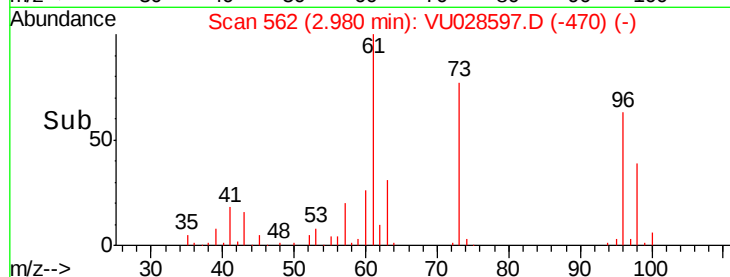
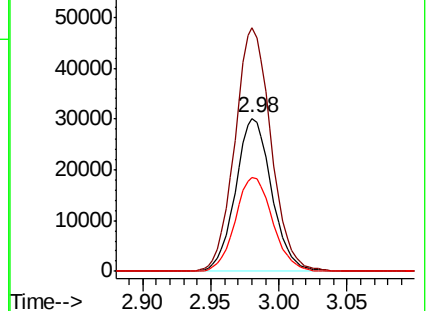
12/11/2018 3:02:52 PM



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 53.314 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Tgt Ion: 45 Resp: 244263

Ion Ratio Lower Upper

45 100

43 53.2 45.3 67.9

87 21.7 17.6 26.4

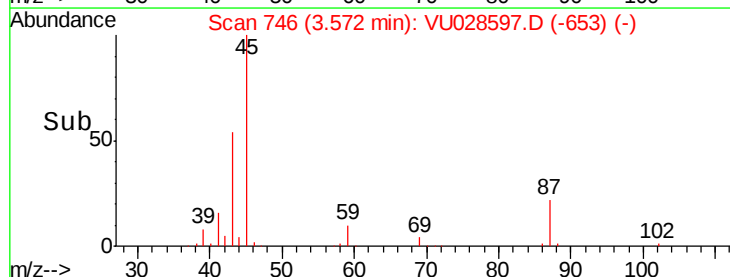
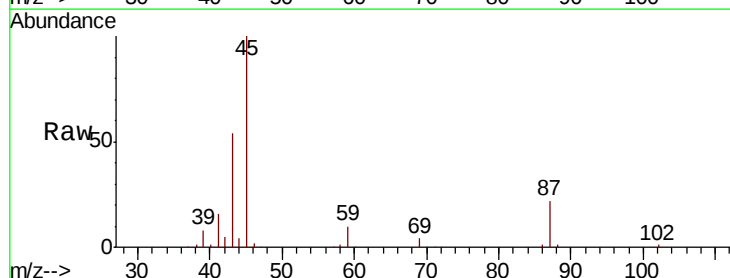
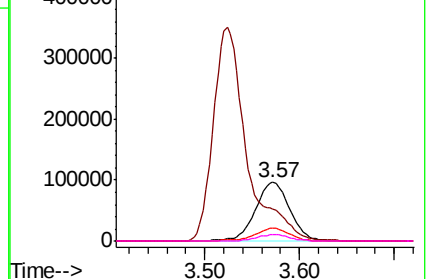
59 10.5 8.8 13.2

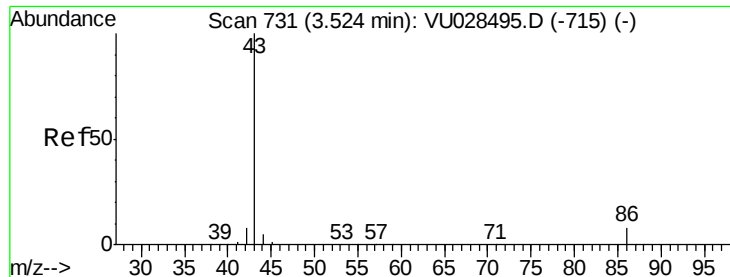
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 228.480 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW30312-20181207MS

Tot Ion: 43 Resp: 863443

Ion Ratio Lower Upper

43 100

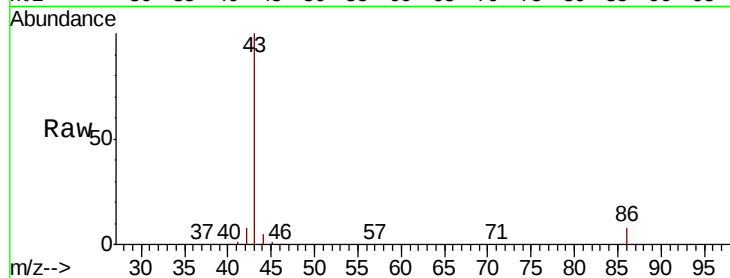
86 8.2 6.8 10.2

Manual Integrations

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MMDadoda

12/11/2018 3:02:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-715) (-)

Ion 86.00 (85.70 to 86.70): VU028495.D (-715) (-)

3.52

400000

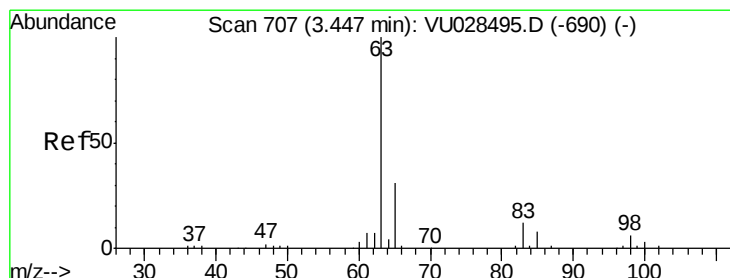
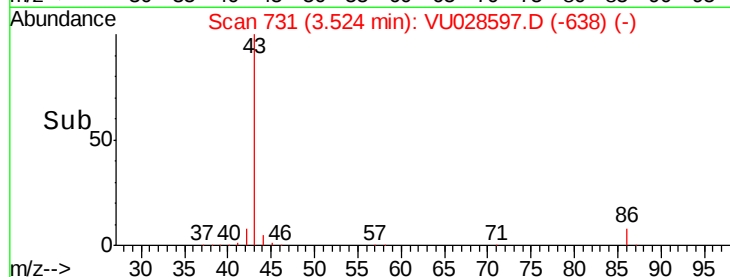
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.749 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

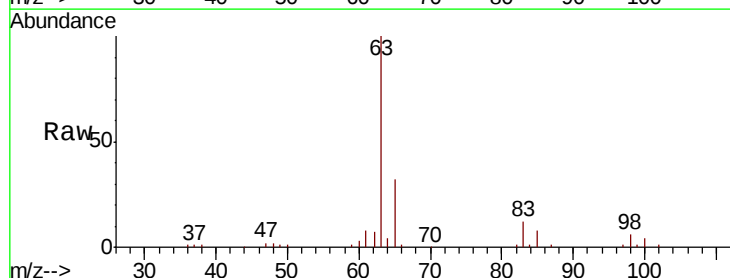
Tgt Ion: 63 Resp: 121709

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.9 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU028495.D (-690) (-)

3.44

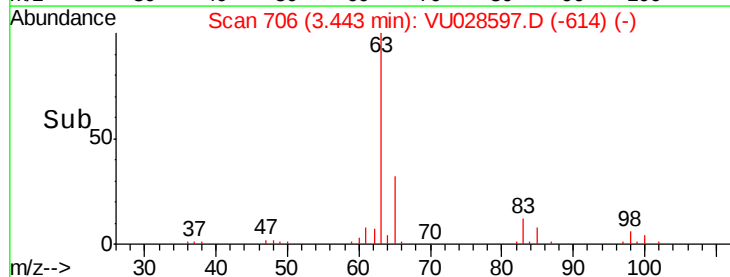
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 263.731 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW30312-20181207MS

Tot Ion: 43 Resp: 321038

Ion Ratio Lower Upper

43 100

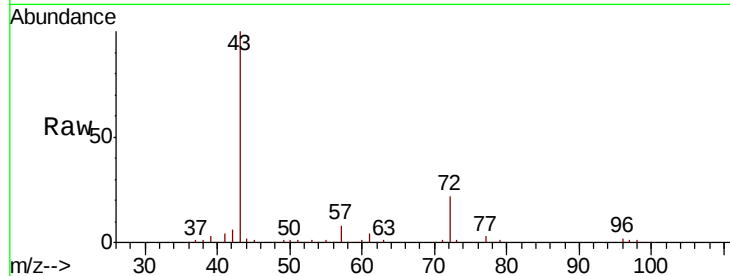
72 22.0 18.6 28.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-930) (-)

150000

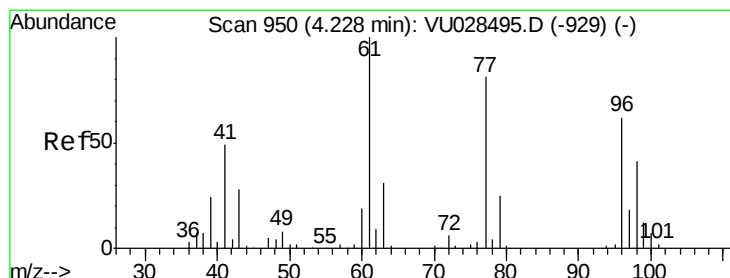
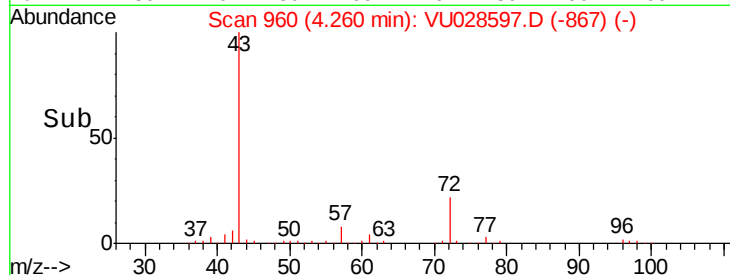
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 35.303 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028597.D

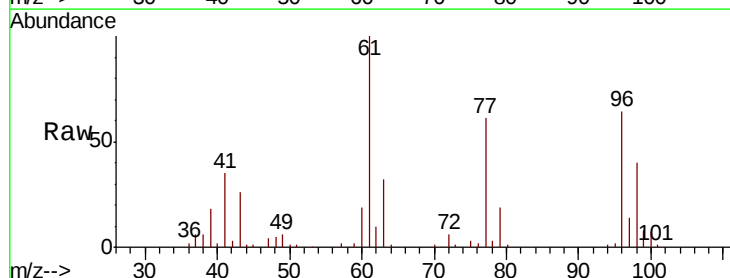
Acq: 11 Dec 2018 10:30

Tgt Ion: 77 Resp: 67086

Ion Ratio Lower Upper

77 100

97 23.7 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028495.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU028495.D (-929) (-)

30000

25000

20000

15000

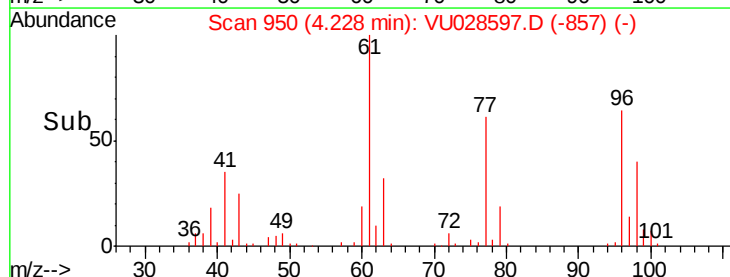
10000

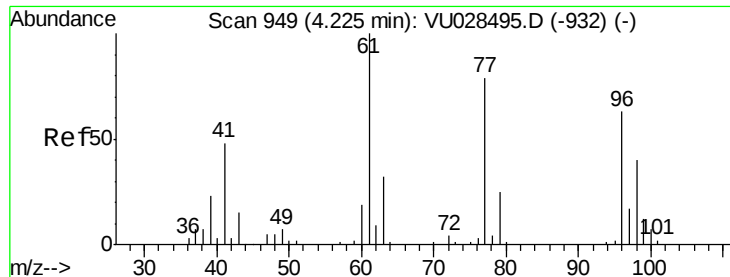
5000

0

4.10 4.20 4.30

Time-->





#27

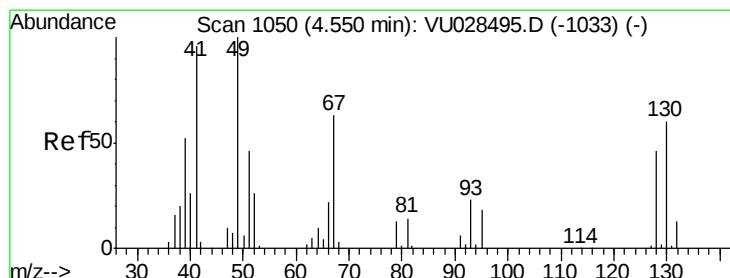
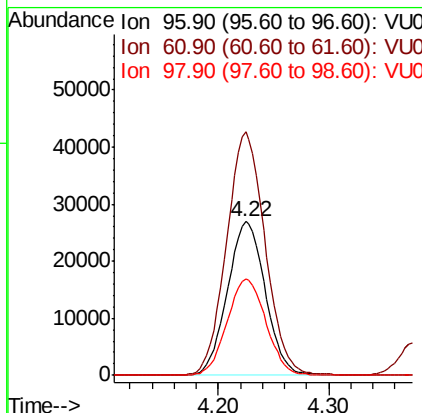
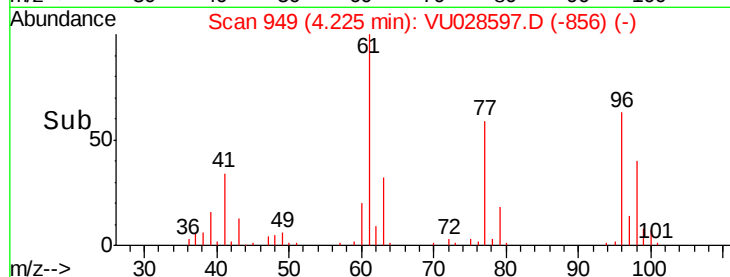
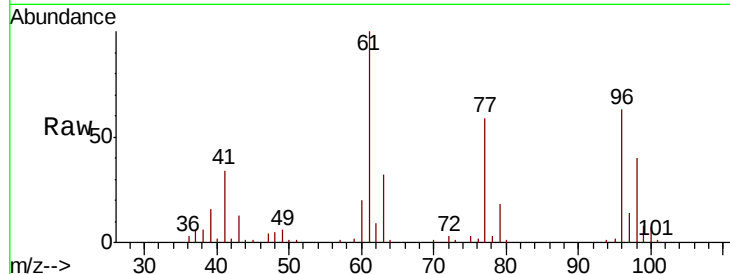
cis-1,2-Dichloroethene  
Concen: 50.499 ug/l  
RT: 4.22 min Scan# 949  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 161.5 | 0.0   | 332.4 |
| 98      | 64.2  | 0.0   | 129.0 |

Manual Integrations  
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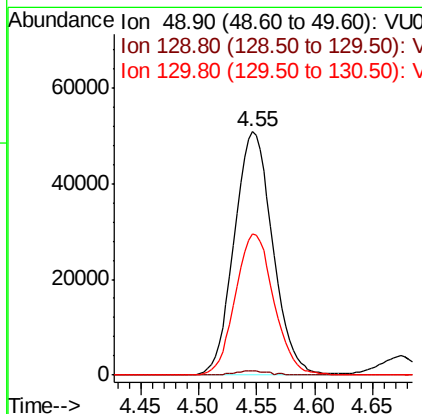
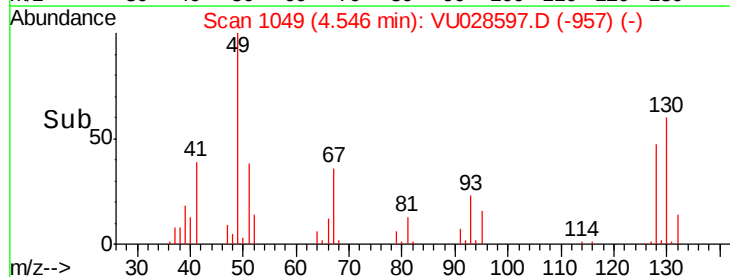
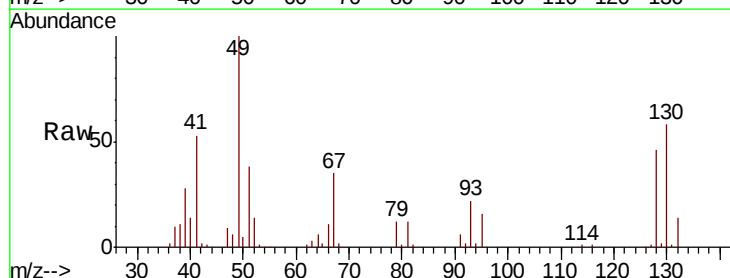
MMDadoda  
12/11/2018 3:02:52 PM

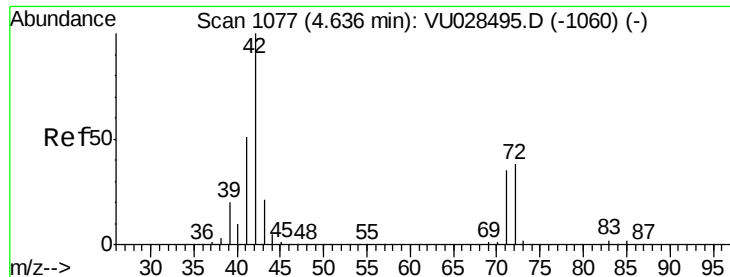


#28

Bromochloromethane  
Concen: 107.726 ug/l  
RT: 4.55 min Scan# 1049  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.4   | 0.0   | 3.0   |
| 130     | 58.2  | 47.8  | 71.8  |





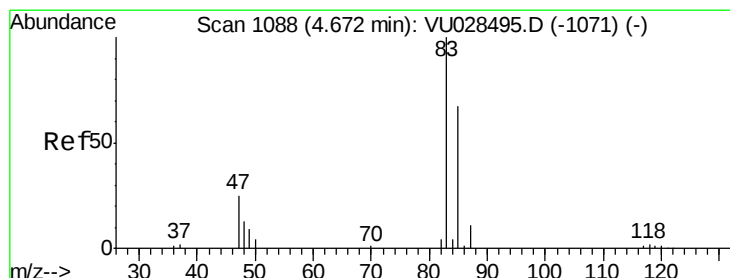
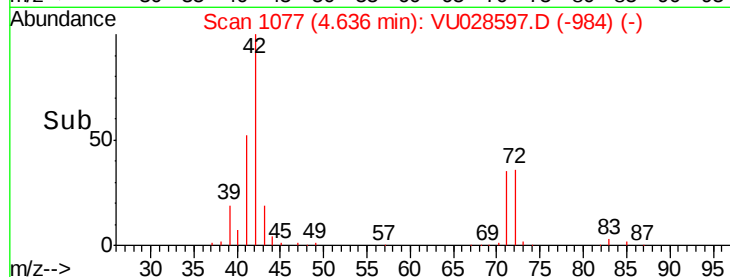
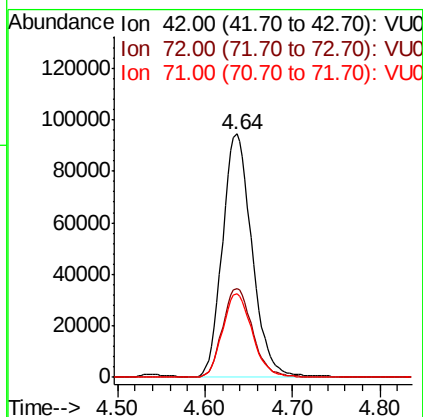
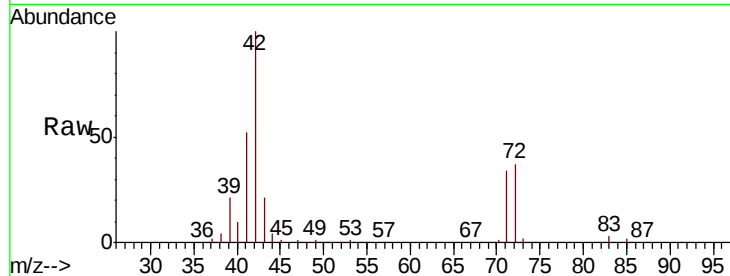
#29  
Tetrahydrofuran  
Concen: 283.177 ug/l  
RT: 4.64 min Scan# 1077  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 37.2  | 31.4  | 47.0  |
| 71      | 34.7  | 28.6  | 43.0  |

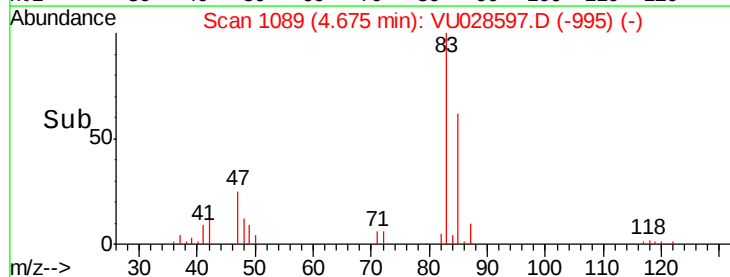
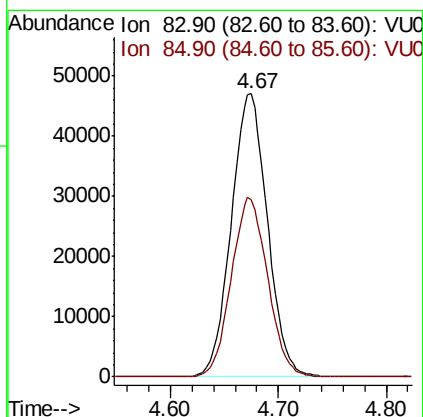
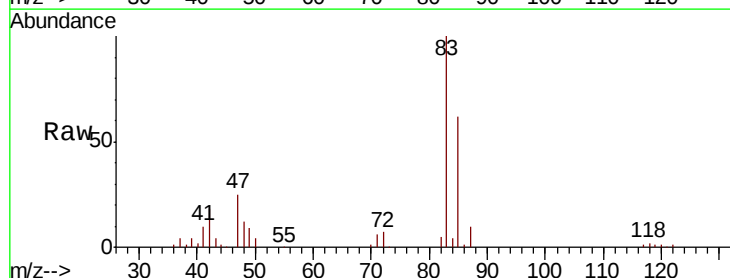
Manual Integrations  
APPROVED

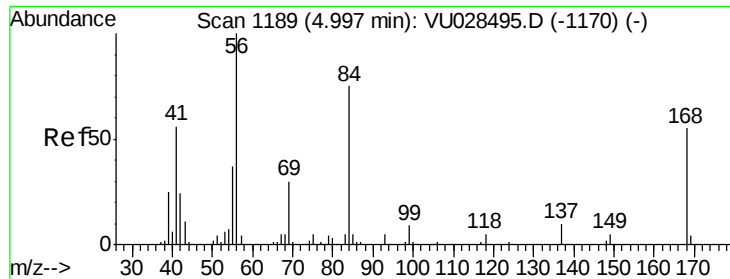
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#30  
Chloroform  
Concen: 52.371 ug/l  
RT: 4.67 min Scan# 1089  
Delta R.T. 0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.4  | 53.6  | 80.4  |





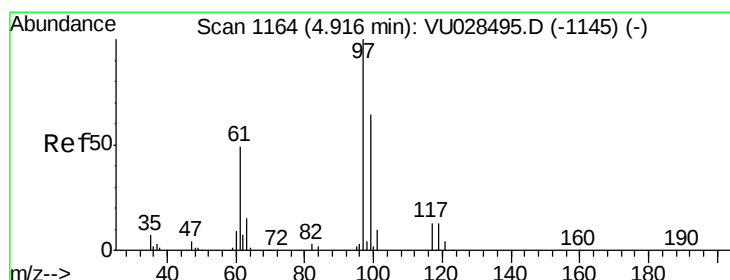
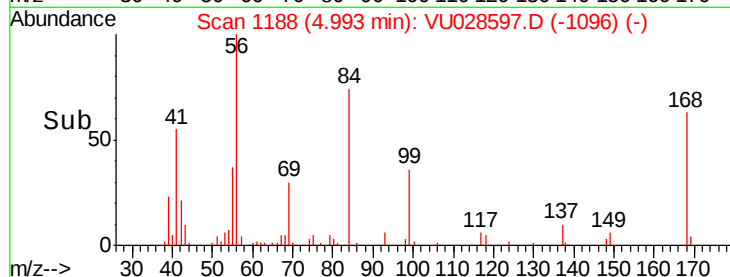
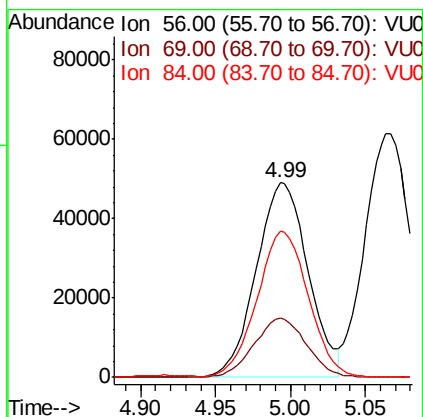
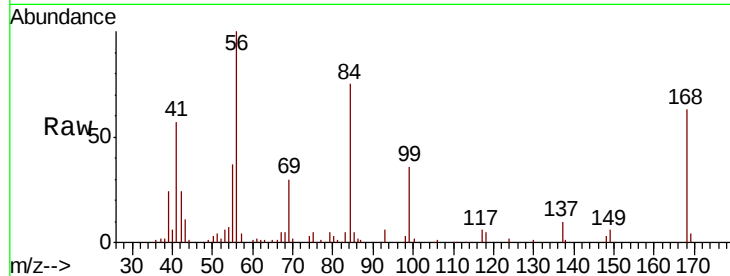
#31  
Cyclohexane  
Concen: 50.582 ug/l  
RT: 4.99 min Scan# 1188  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW30312-20181207MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.5  | 24.0  | 36.0  |
| 84      | 74.4  | 59.7  | 89.5  |

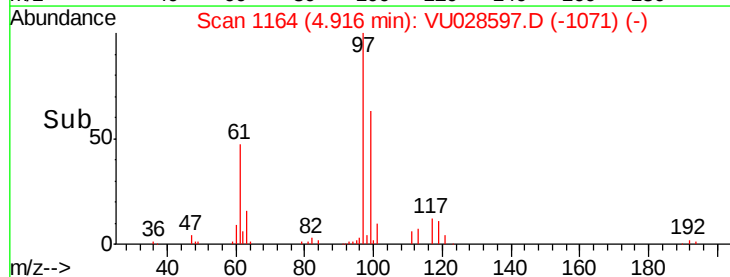
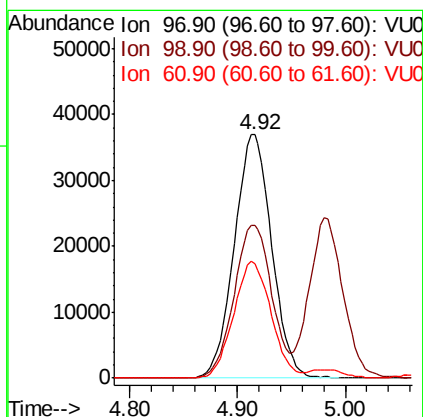
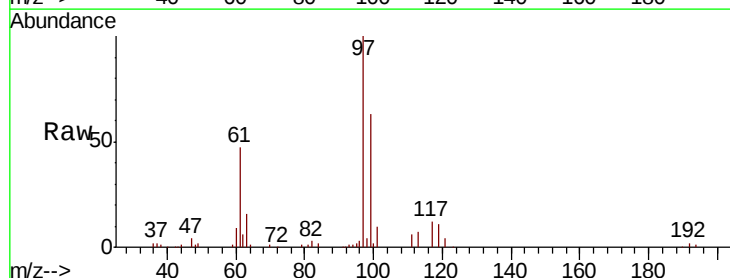
Manual Integrations  
APPROVED

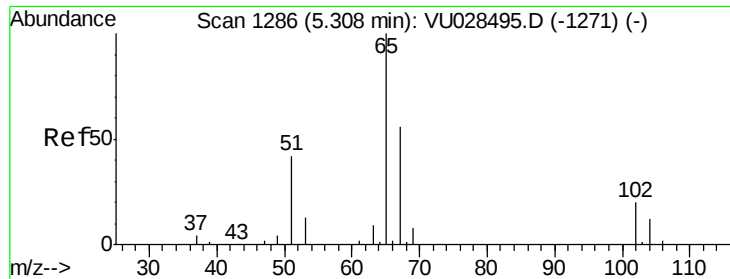
MMDadoda  
12/11/2018 3:02:52 PM



#32  
1,1,1-Trichloroethane  
Concen: 51.329 ug/l  
RT: 4.92 min Scan# 1164  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.2  | 52.3  | 78.5  |
| 61      | 48.1  | 39.0  | 58.6  |





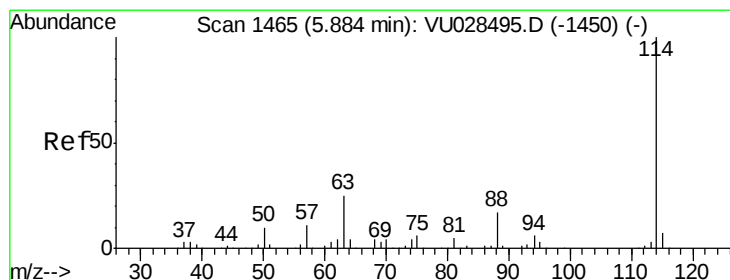
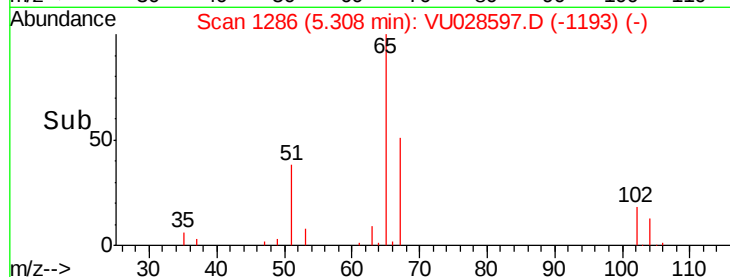
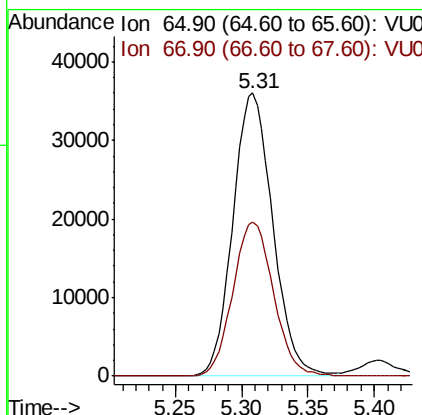
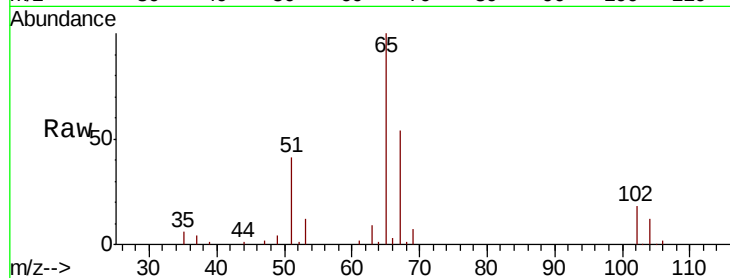
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.194 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW303I2-20181207MS

Tot Ion: 65 Resp: 75341  
 Ion Ratio Lower Upper  
 65 100  
 67 55.3 0.0 110.6

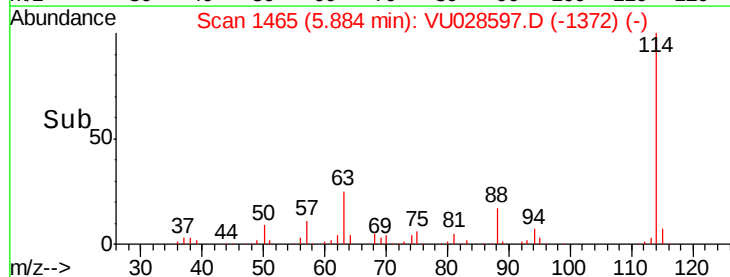
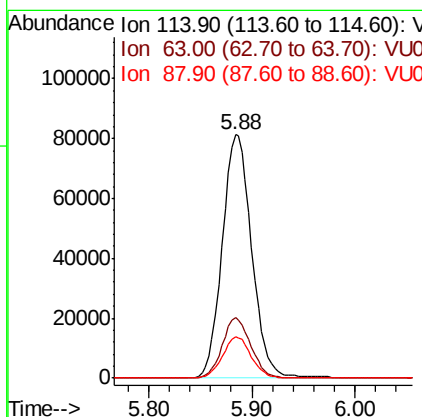
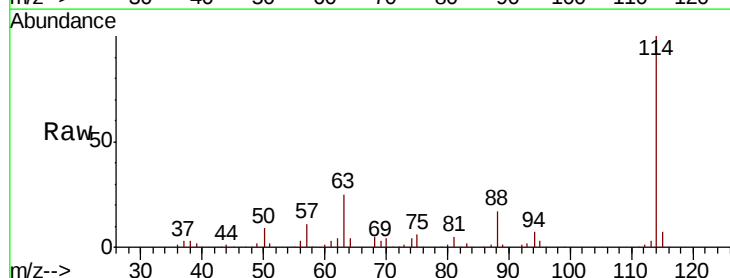
Manual Integrations  
 APPROVED

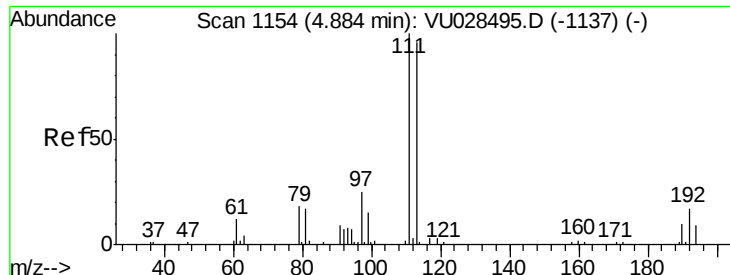
MMDadoda  
 12/11/2018 3:02:52 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Tgt Ion: 114 Resp: 161835  
 Ion Ratio Lower Upper  
 114 100  
 63 24.9 0.0 49.2  
 88 16.8 0.0 33.4





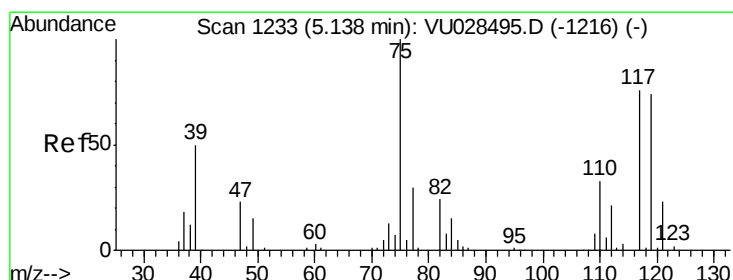
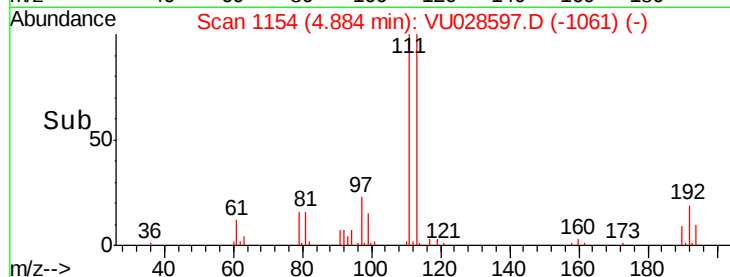
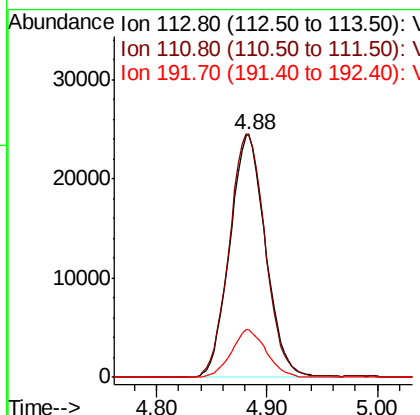
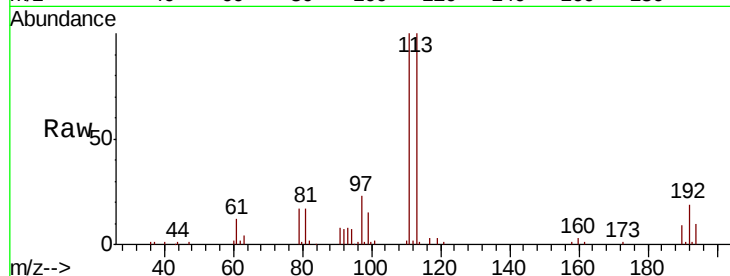
#35  
Dibromofluoromethane  
Concen: 53.944 ug/l  
RT: 4.88 min Scan# 1154  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 54939 |       |       |
| 111     | 101.0 |       | 83.4  | 125.0 |
| 192     | 19.2  |       | 14.8  | 22.2  |

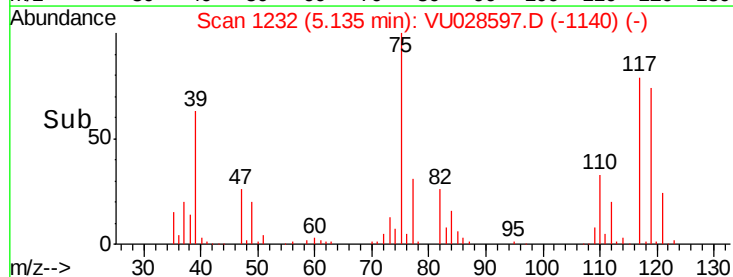
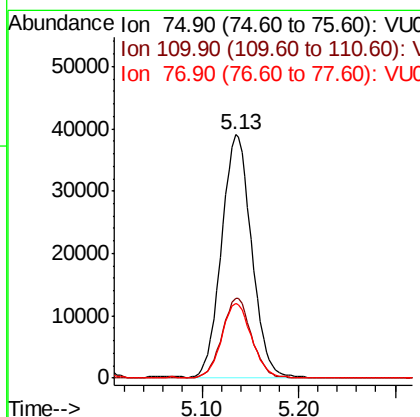
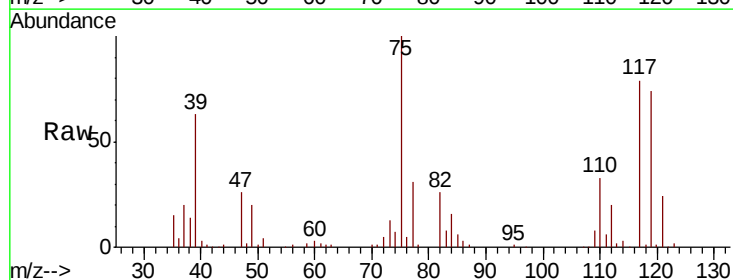
Manual Integrations  
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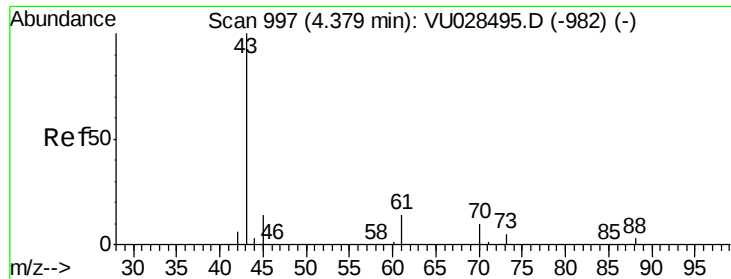
MMDadoda  
12/11/2018 3:02:52 PM



#36  
1,1-Dichloropropene  
Concen: 47.910 ug/l  
RT: 5.13 min Scan# 1232  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 84845 |       |       |
| 110     | 32.1  |       | 16.1  | 48.2  |
| 77      | 30.6  |       | 24.5  | 36.7  |





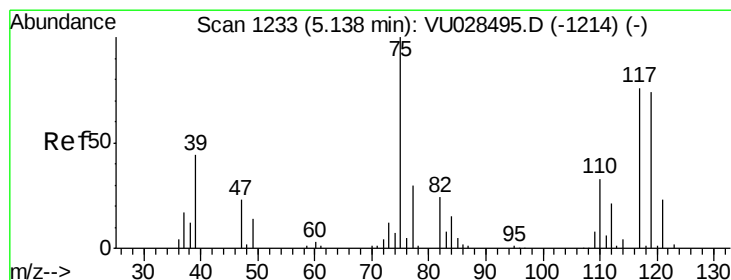
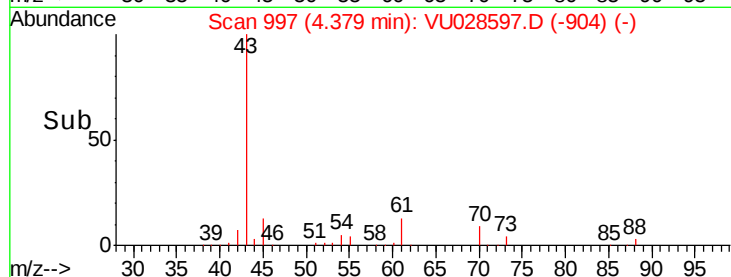
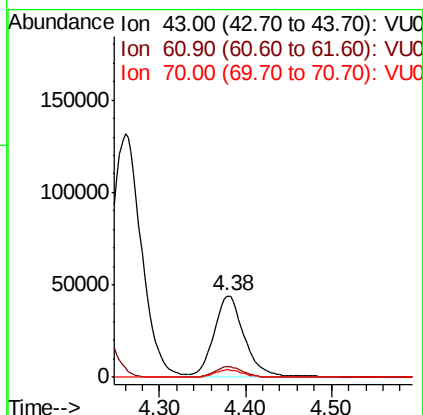
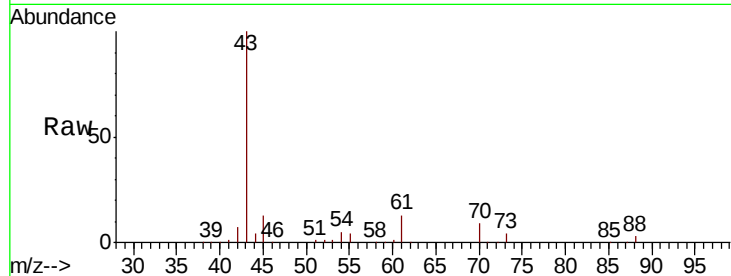
#37  
Ethyl Acetate  
Concen: 46.878 ug/l  
RT: 4.38 min Scan# 997  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW30312-20181207MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.9  | 11.0  | 16.4  |
| 70      | 8.9   | 7.4   | 11.0  |

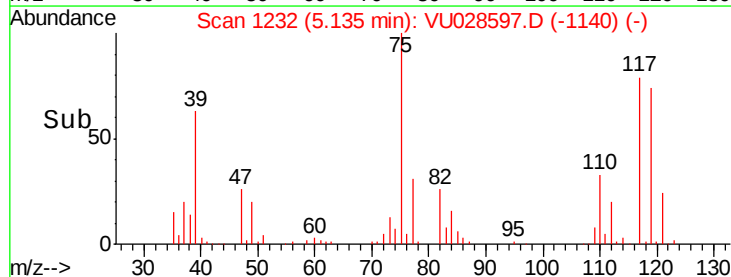
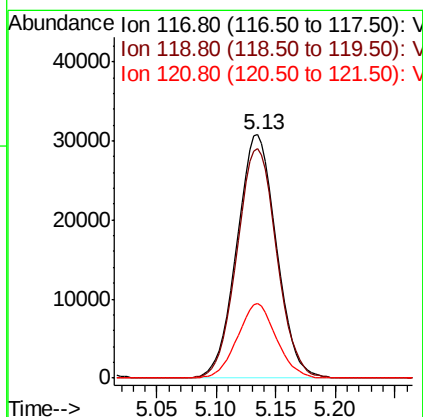
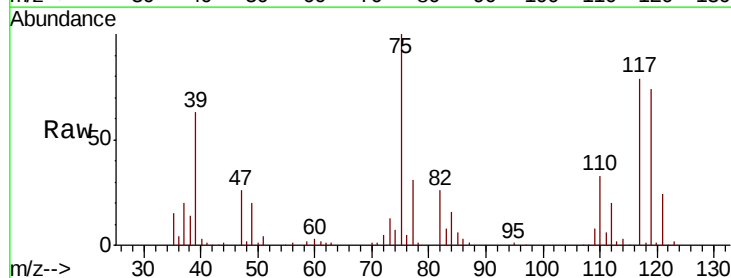
Manual Integrations  
APPROVED

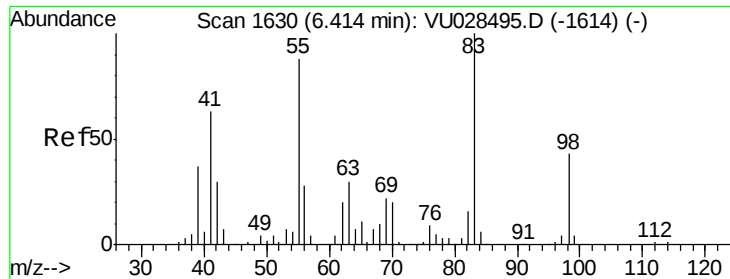
MMDadoda  
12/11/2018 3:02:52 PM



#38  
Carbon Tetrachloride  
Concen: 49.585 ug/l  
RT: 5.13 min Scan# 1232  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.4  | 77.6  | 116.4 |
| 121     | 30.6  | 24.6  | 36.8  |





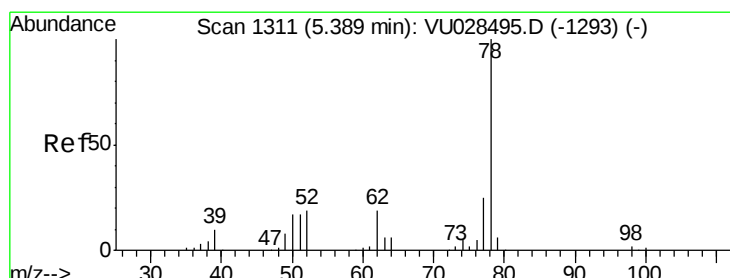
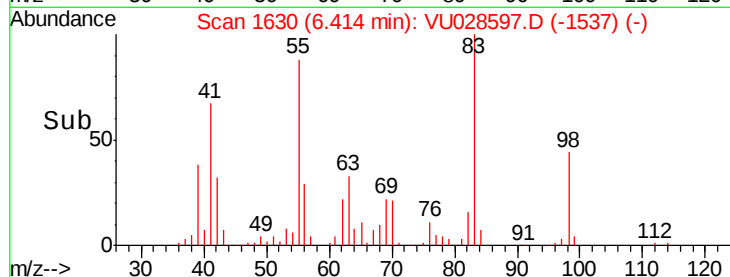
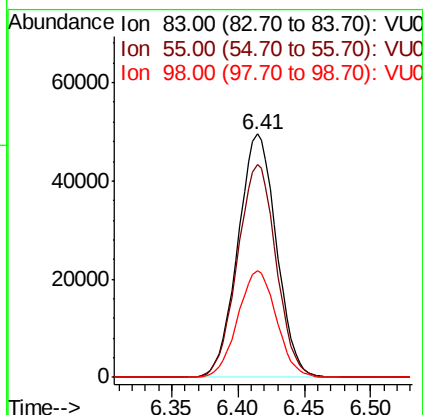
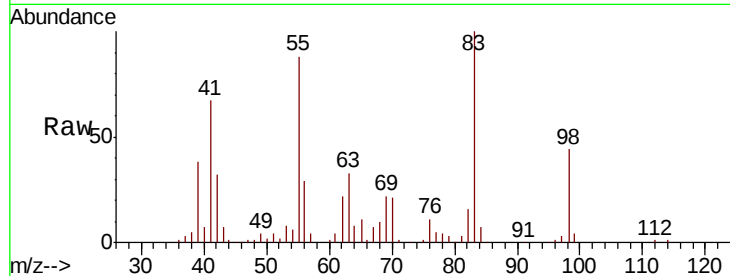
#39  
Methylvlcvclohexane  
Concen: 46.140 ug/l  
RT: 6.41 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MS

| Tot Ion | 83.00 | Resp  | 99687 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 87.5  | 70.2  | 105.2 |
| 98      | 43.7  | 34.2  | 51.4  |

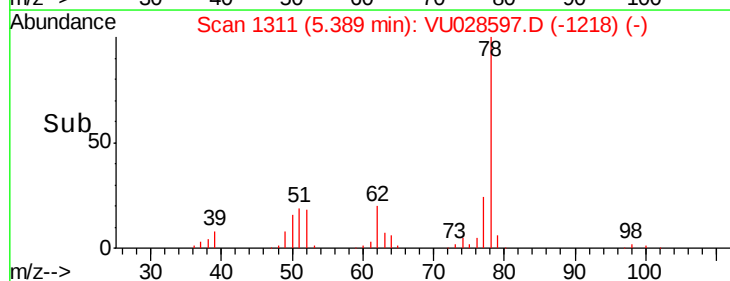
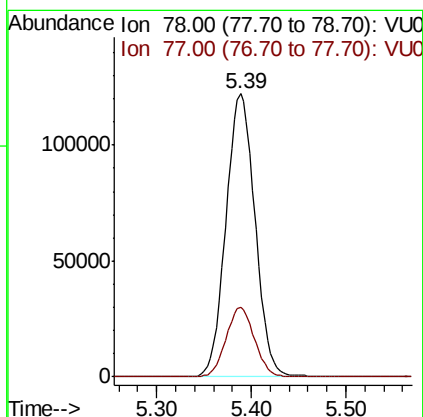
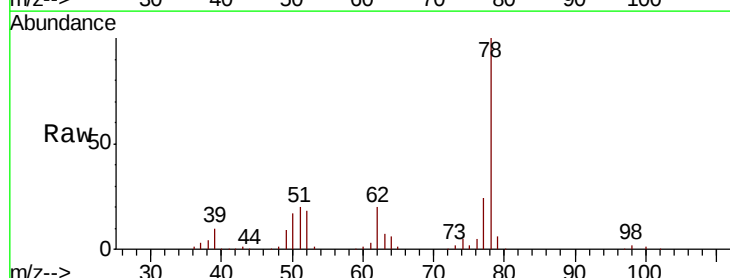
Manual Integrations  
APPROVED

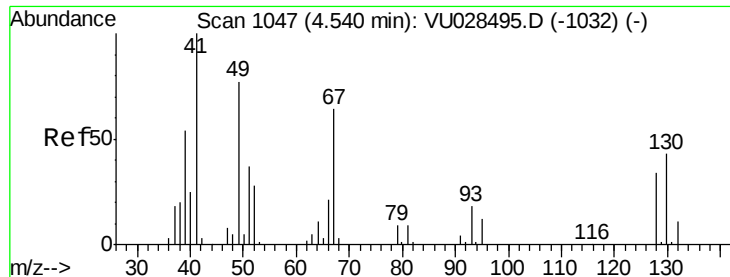
MMDadoda  
12/11/2018 3:02:52 PM



#40  
Benzene  
Concen: 50.062 ug/l  
RT: 5.39 min Scan# 1311  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | 78.00 | Resp  | 261116 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 24.5  | 19.9  | 29.9   |





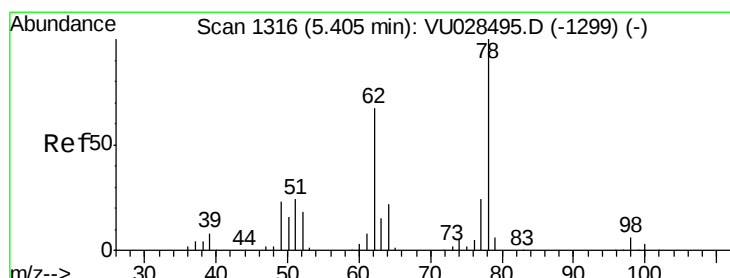
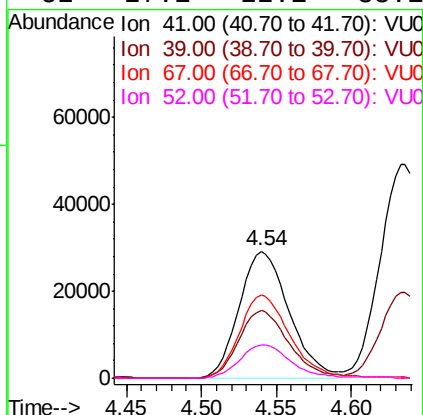
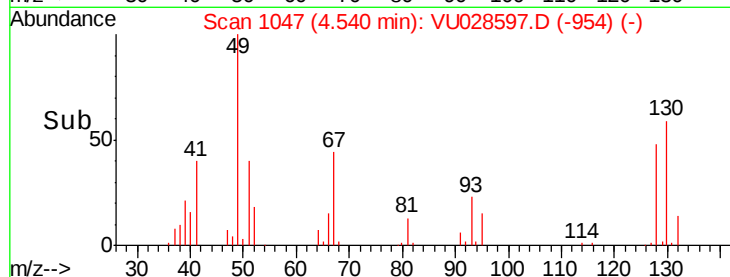
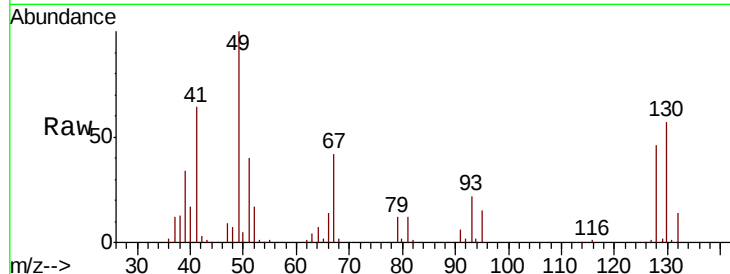
#41  
Methacrylonitrile  
Concen: 54.187 ug/l  
RT: 4.54 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW30312-20181207MS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 67935 |       |       |
| 39      | 53.4 | 43.3  | 64.9  |       |       |
| 67      | 66.5 | 53.6  | 80.4  |       |       |
| 52      | 27.1 | 22.1  | 33.1  |       |       |

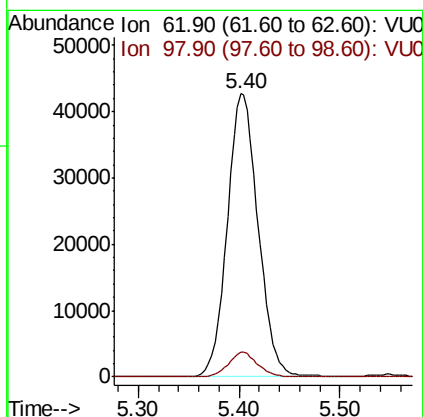
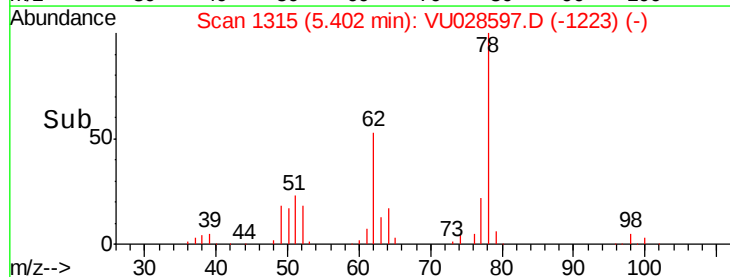
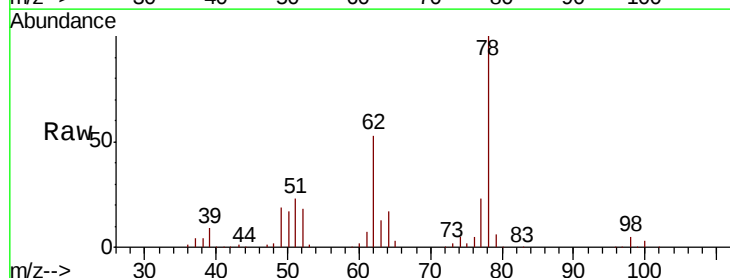
Manual Integrations  
APPROVED

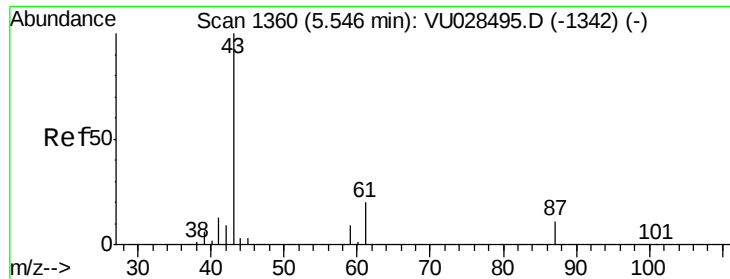
MMDadoda  
12/11/2018 3:02:52 PM



#42  
1,2-Dichloroethane  
Concen: 49.728 ug/l  
RT: 5.40 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 62      | 100 |       | 90790 |       |       |
| 98      | 8.2 | 0.0   | 17.2  |       |       |





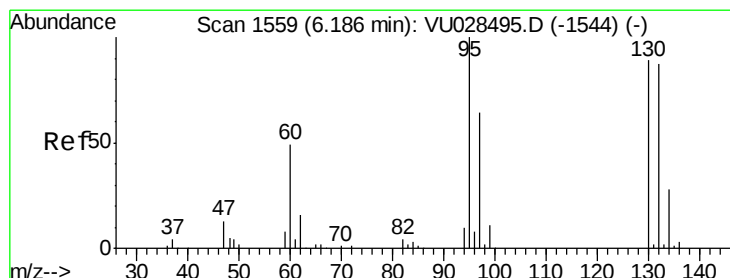
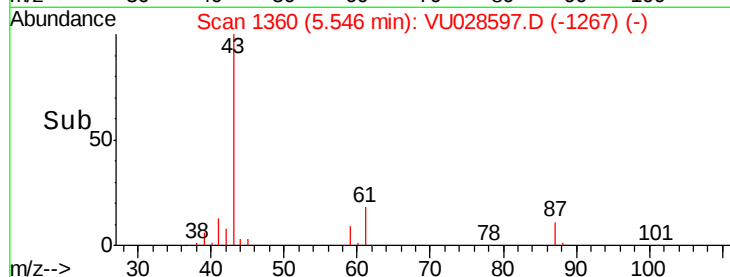
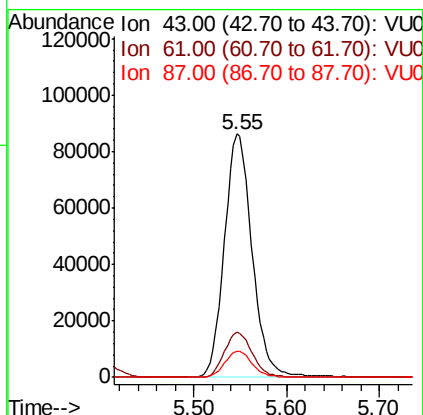
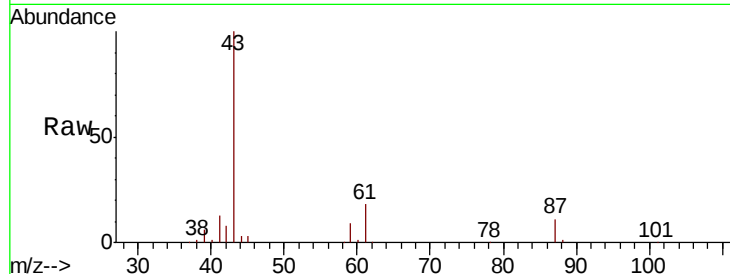
#43  
Isopropyl Acetate  
Concen: 49.412 ug/l  
RT: 5.55 min Scan# 1360  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW30312-20181207MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.7  | 15.5  | 23.3  |
| 87      | 10.7  | 8.7   | 13.1  |

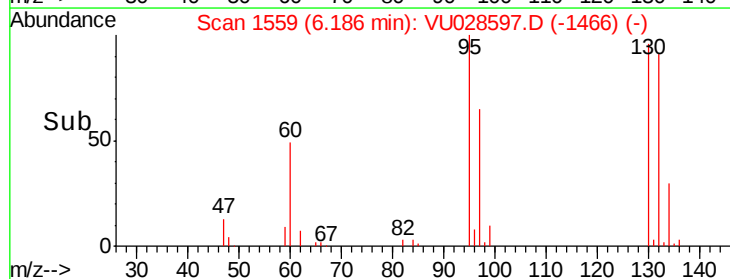
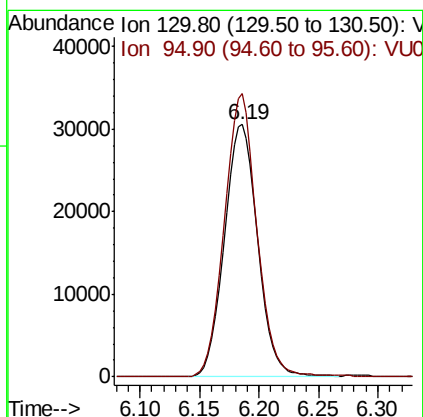
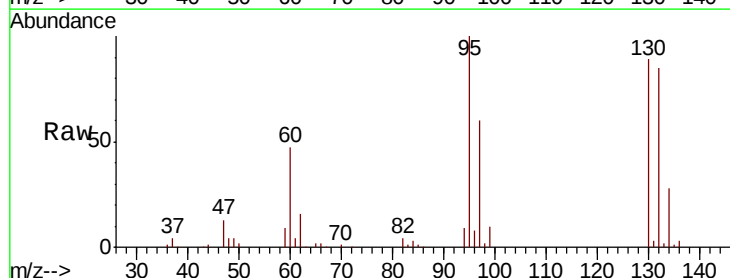
Manual Integrations  
APPROVED

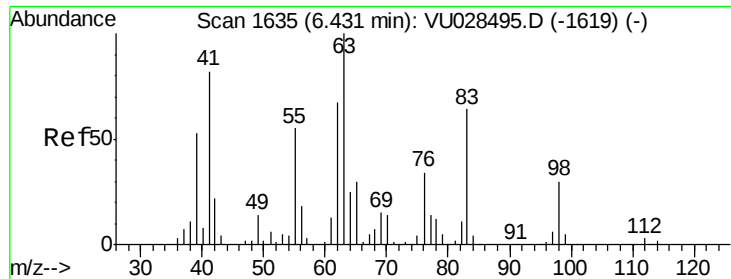
MMDadoda  
12/11/2018 3:02:52 PM



#44  
Trichloroethene  
Concen: 51.124 ug/l  
RT: 6.19 min Scan# 1559  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 112.2 | 0.0   | 224.0 |





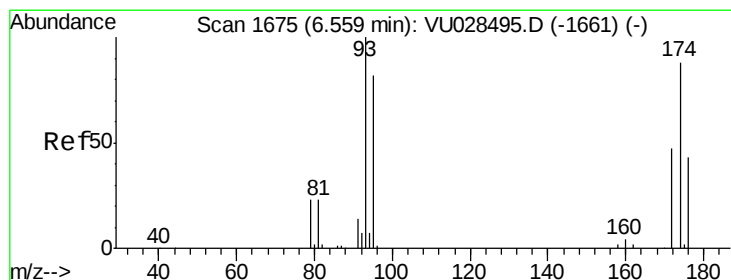
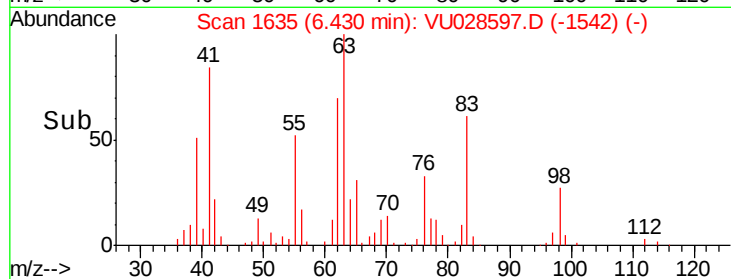
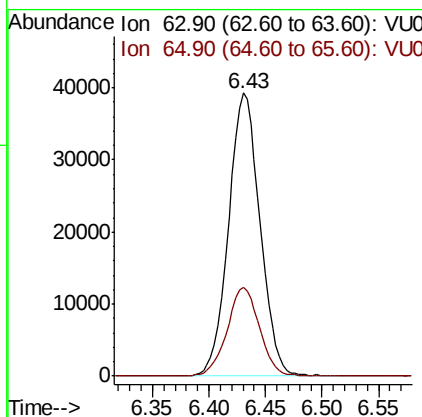
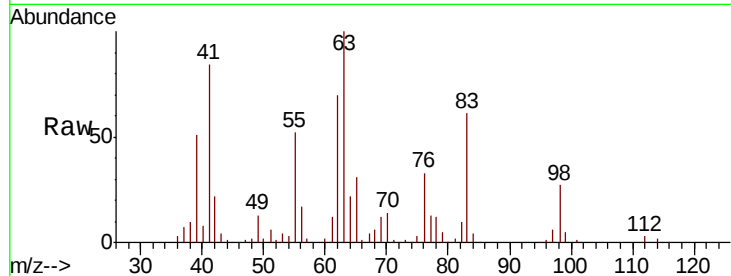
#45  
 1,2-Dichloropropane  
 Concen: 51.795 ug/l  
 RT: 6.43 min Scan# 1635  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW303I2-20181207MS

Tot Ion: 63 Resp: 75969  
 Ion Ratio Lower Upper  
 63 100  
 65 31.3 24.2 36.4

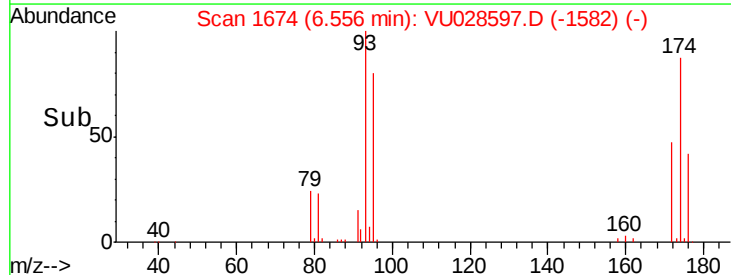
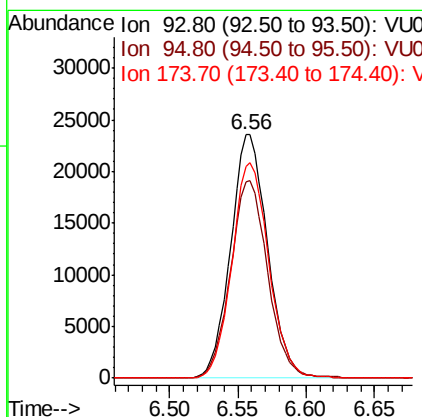
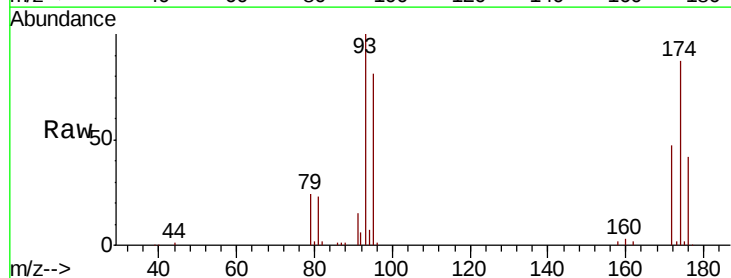
Manual Integrations  
 APPROVED

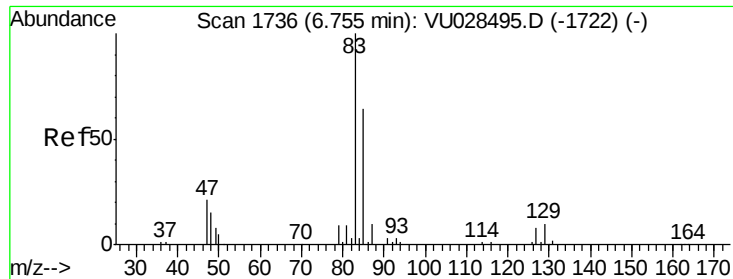
MMDadoda  
 12/11/2018 3:02:52 PM



#46  
 Dibromomethane  
 Concen: 50.916 ug/l  
 RT: 6.56 min Scan# 1674  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Tgt Ion: 93 Resp: 44310  
 Ion Ratio Lower Upper  
 93 100  
 95 81.5 65.4 98.2  
 174 88.4 72.2 108.4





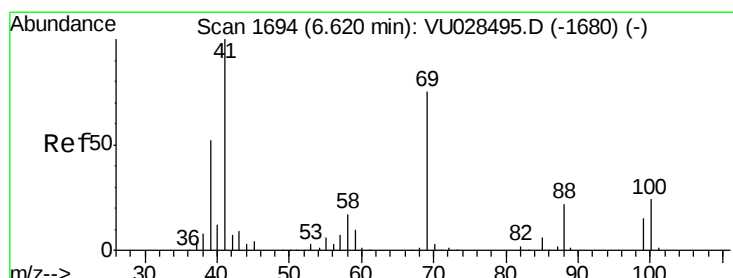
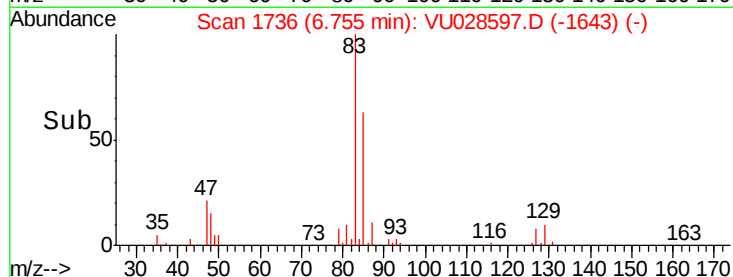
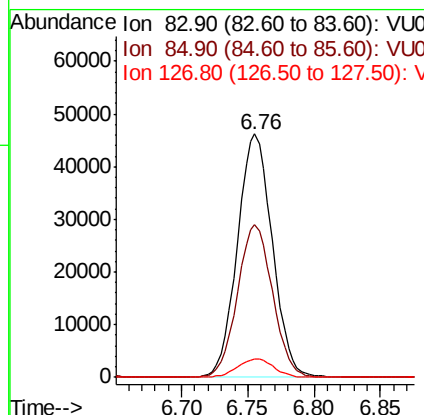
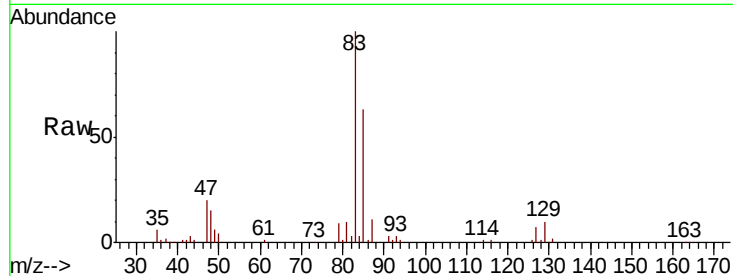
#47  
Bromodichloromethane  
Concen: 49.973 ug/l  
RT: 6.76 min Scan# 1736  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MS

| Tot Ion   | 83   | Resp  | 84628 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 62.6 | 51.5  | 77.3  |
| 127       | 7.5  | 6.2   | 9.4   |

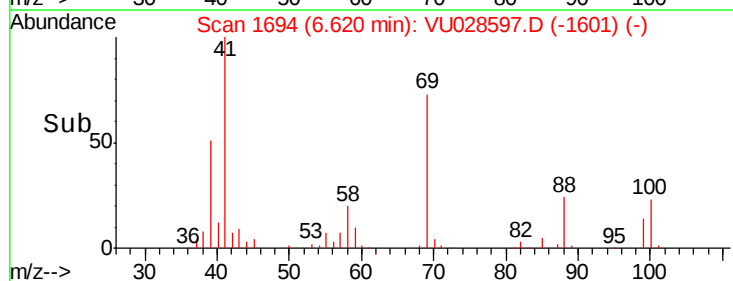
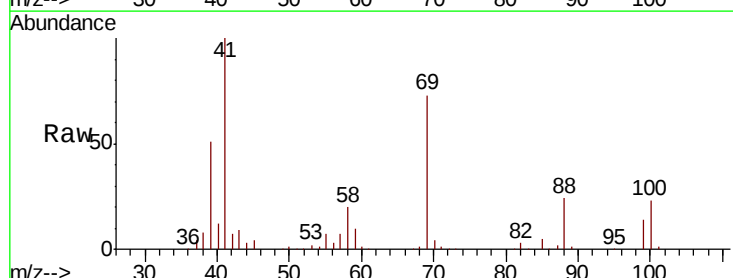
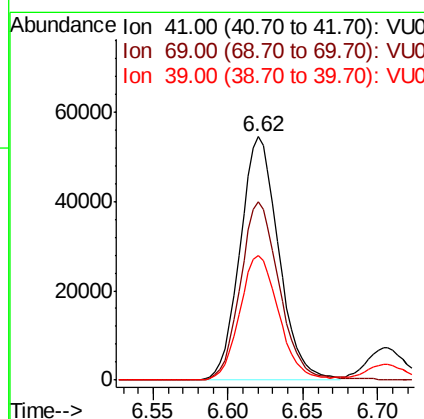
Manual Integrations  
APPROVED

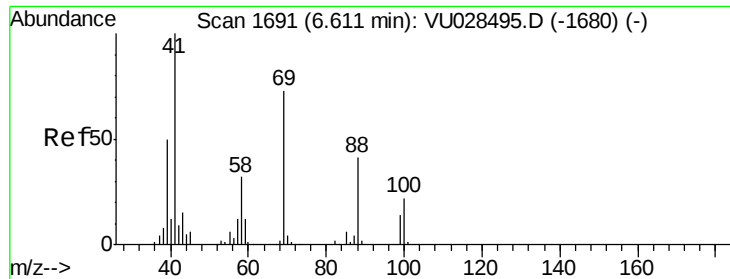
MMDadoda  
12/11/2018 3:02:52 PM



#48  
Methyl methacrylate  
Concen: 54.341 ug/l  
RT: 6.62 min Scan# 1694  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion   | 41   | Resp  | 97854 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 74.0 | 60.4  | 90.6  |
| 39        | 51.7 | 41.1  | 61.7  |





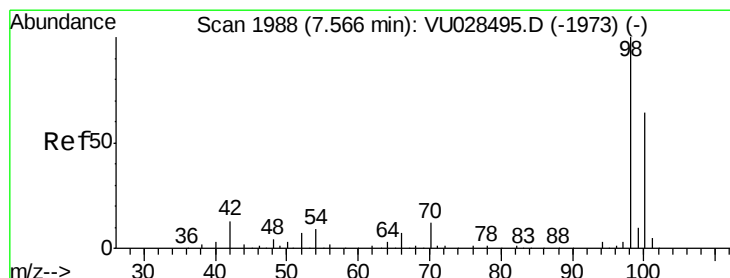
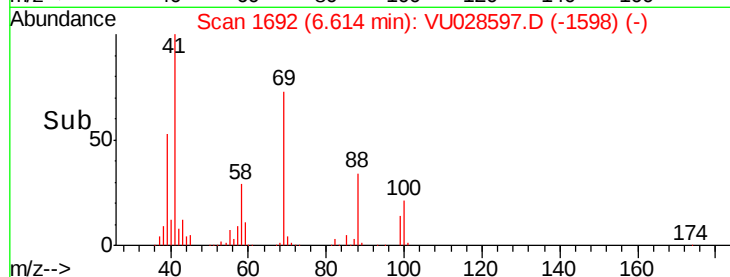
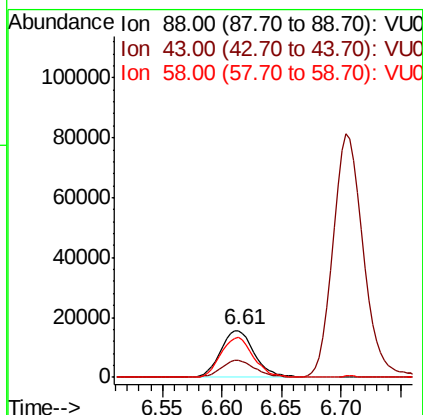
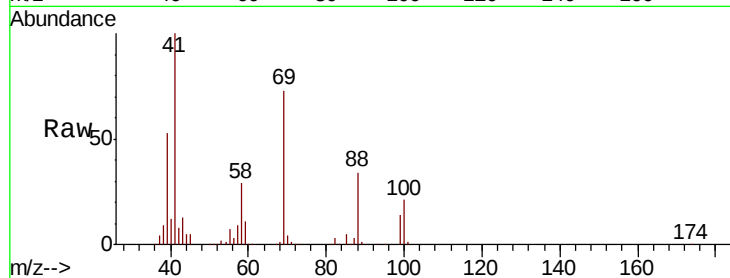
#49  
1,4-Dioxane  
Concen: 1093.594 ug/l  
RT: 6.61 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.9  | 30.9  | 46.3  |
| 58      | 81.5  | 62.4  | 93.6  |

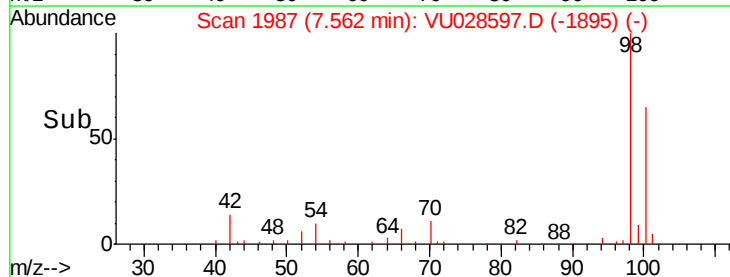
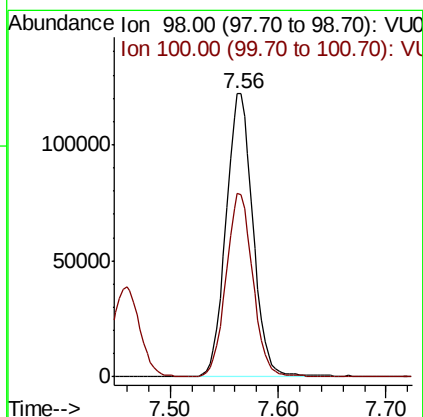
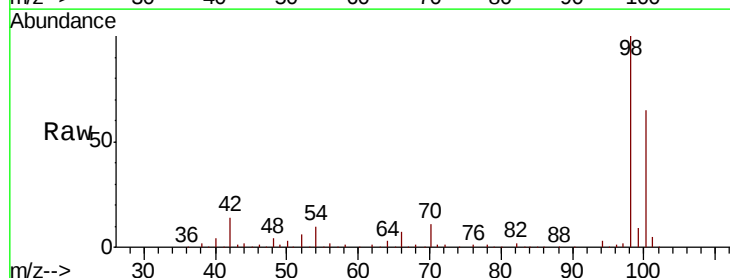
Manual Integrations  
APPROVED

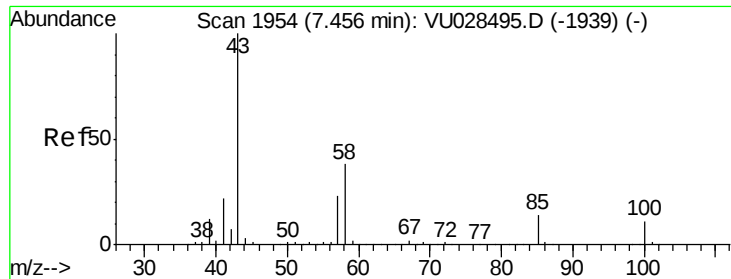
MMDadoda  
12/11/2018 3:02:52 PM



#50  
Toluene-d8  
Concen: 52.814 ug/l  
RT: 7.56 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.8  | 51.0  | 76.6  |





#51

4-Methyl-2-Pentanone

Concen: 270.430 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW30312-20181207MS

Tot Ion: 43 Resp: 617607

Ion Ratio Lower Upper

43 100

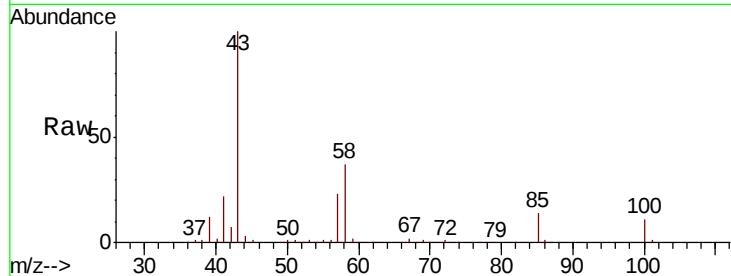
58 37.2 30.2 45.2

Manual Integrations

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MMDadoda

12/11/2018 3:02:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

400000

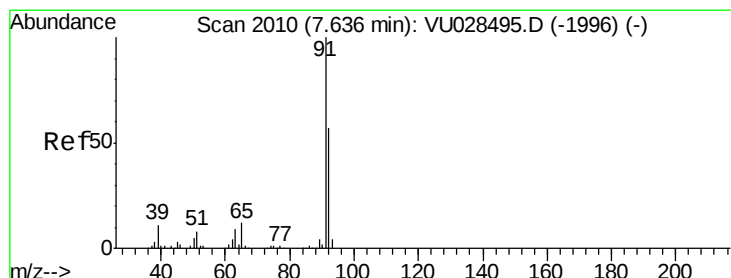
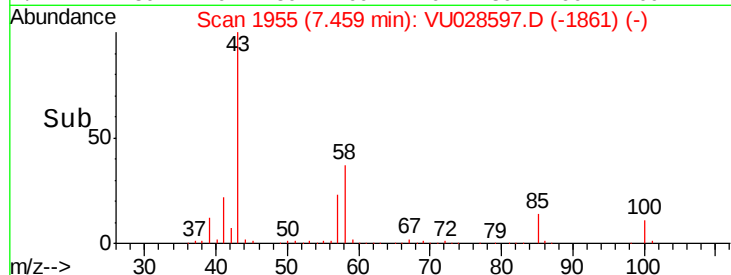
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.312 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028597.D

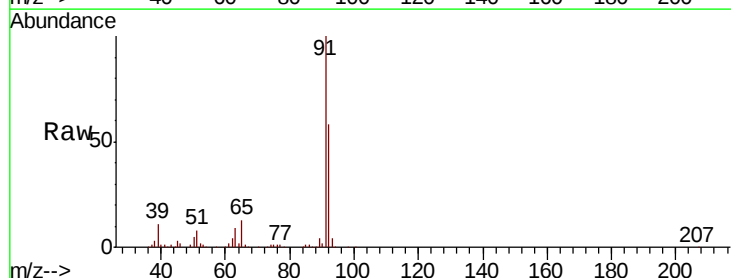
Acq: 11 Dec 2018 10:30

Tgt Ion: 92 Resp: 151370

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

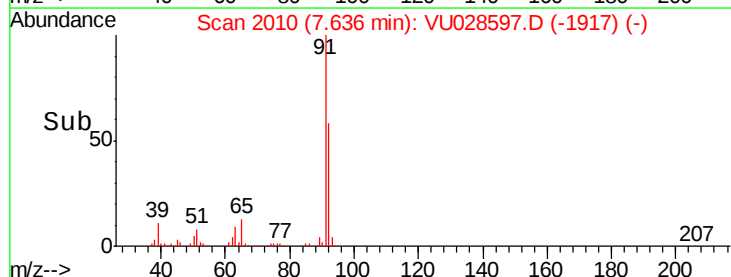
150000

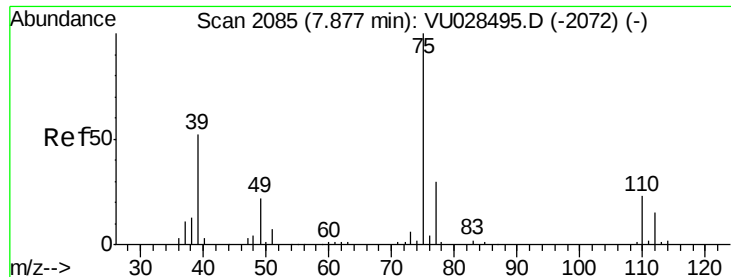
100000

50000

0

Time-->





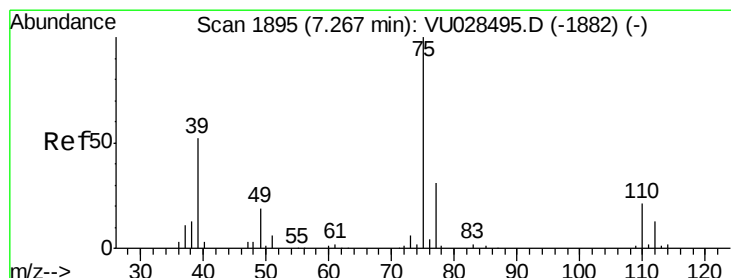
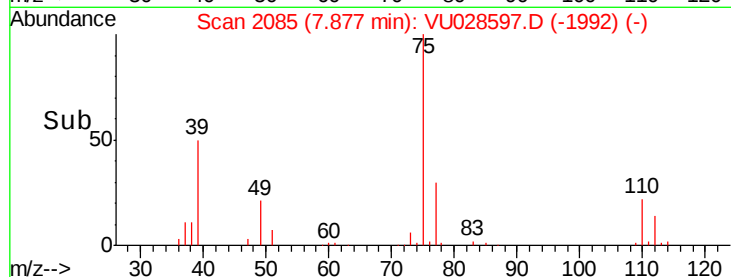
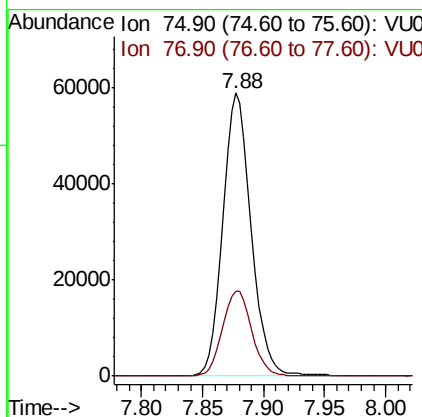
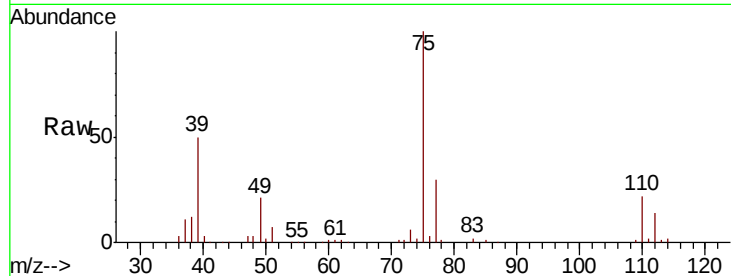
#53  
t-1,3-Dichloropropene  
Concen: 47.496 ug/l  
RT: 7.88 min Scan# 2085  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MS

Tot Ion: 75 Resp: 95793  
Ion Ratio Lower Upper  
75 100  
77 30.2 24.2 36.4

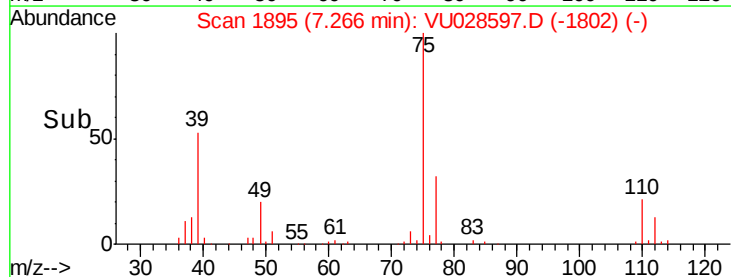
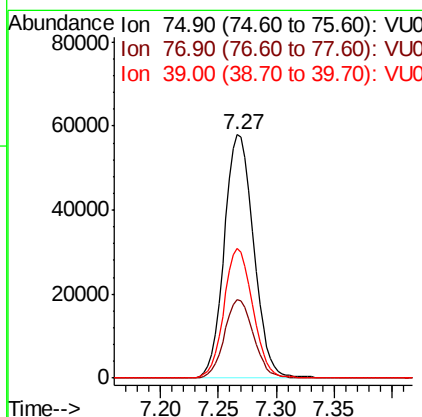
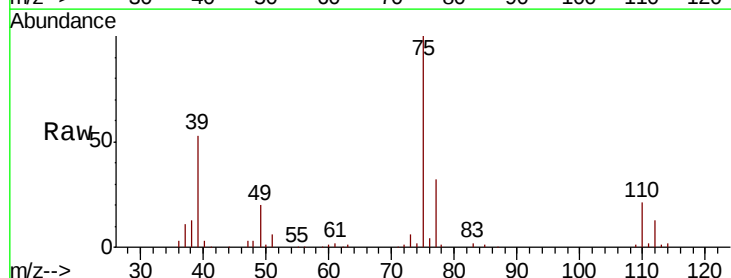
Manual Integrations  
APPROVED

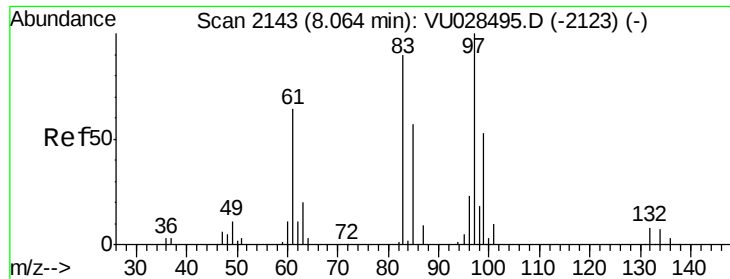
MMDadoda  
12/11/2018 3:02:52 PM



#54  
cis-1,3-Dichloropropene  
Concen: 46.779 ug/l  
RT: 7.27 min Scan# 1895  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Tgt Ion: 75 Resp: 102361  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.0 37.4  
39 53.5 41.3 61.9





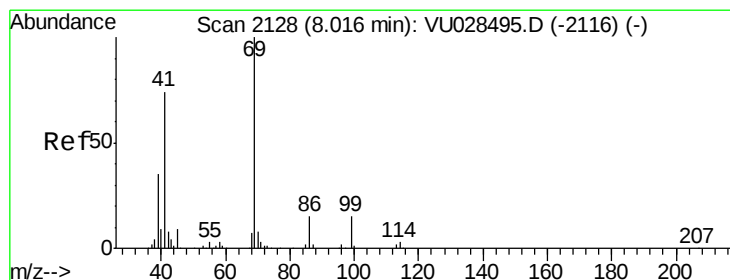
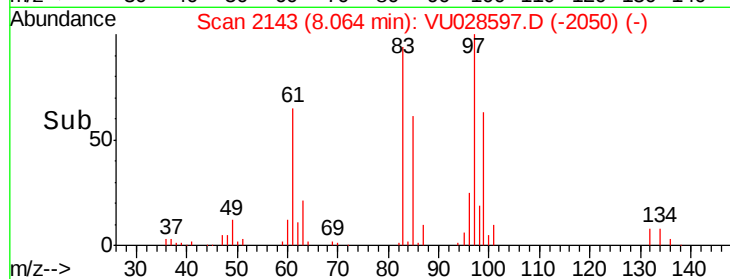
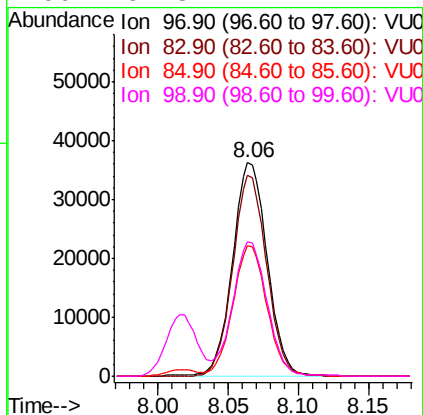
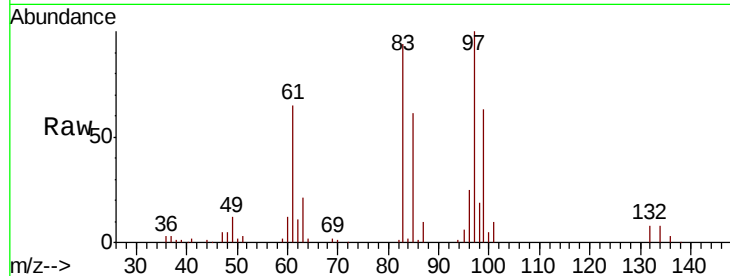
#55  
 1,1,2-Trichloroethane  
 Concen: 51.394 ug/l  
 RT: 8.06 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW303I2-20181207MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 62361 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 94.4  | 72.4  | 108.6 |
| 85       | 61.0  | 46.0  | 69.0  |
| 99       | 62.8  | 47.4  | 71.2  |

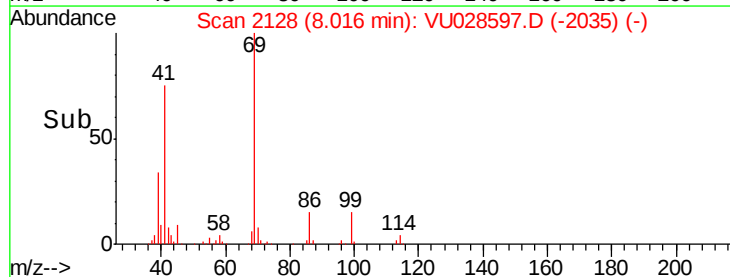
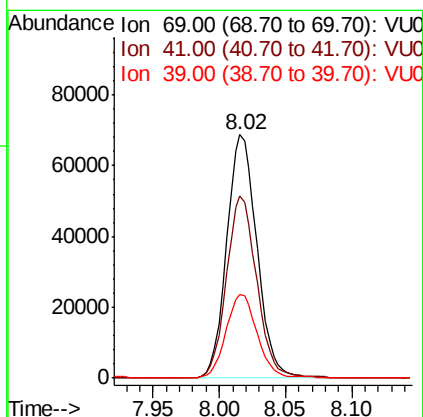
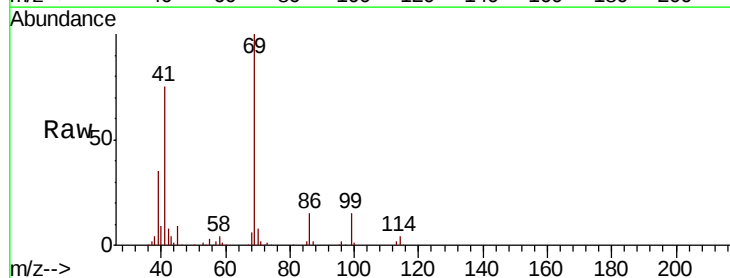
Manual Integrations  
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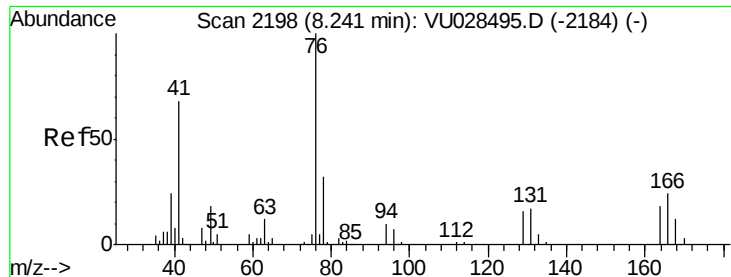
MMDadoda  
 12/11/2018 3:02:52 PM



#56  
 Ethyl methacrylate  
 Concen: 52.508 ug/l  
 RT: 8.02 min Scan# 2128  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 109106 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 75.2  | 59.1  | 88.7   |
| 39       | 35.2  | 28.4  | 42.6   |





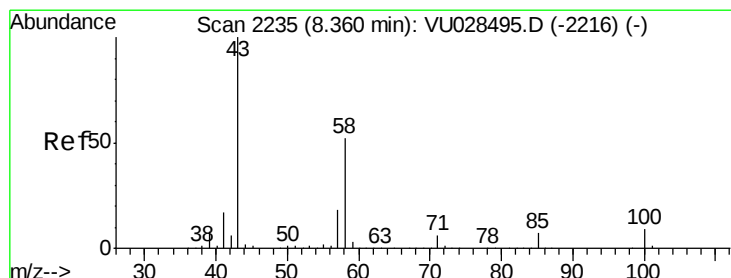
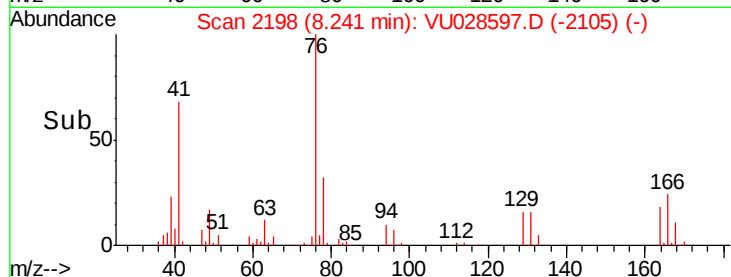
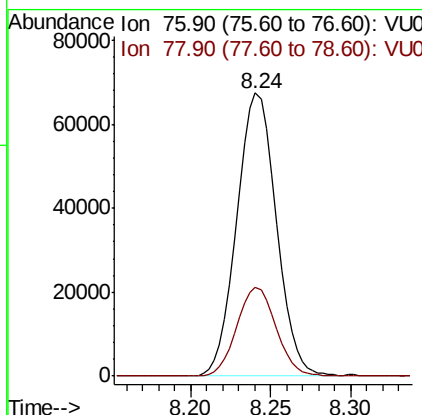
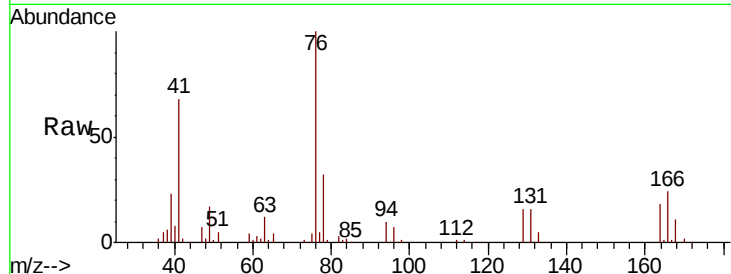
#57  
 1,3-Dichloropropane  
 Concen: 50.466 ug/l  
 RT: 8.24 min Scan# 2198  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW303I2-20181207MS

Tot Ion: 76 Resp: 113671  
 Ion Ratio Lower Upper  
 76 100  
 78 31.2 25.2 37.8

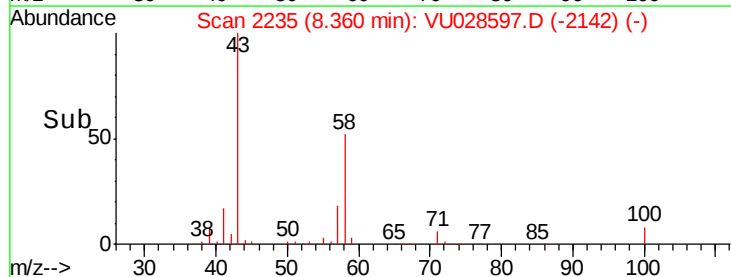
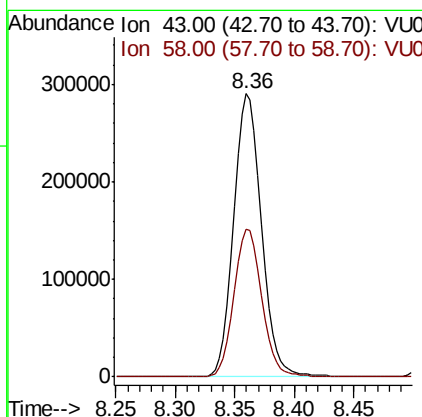
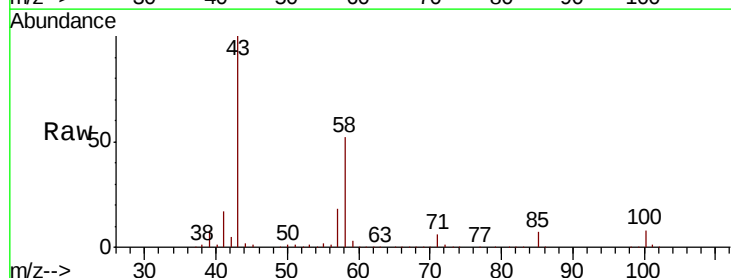
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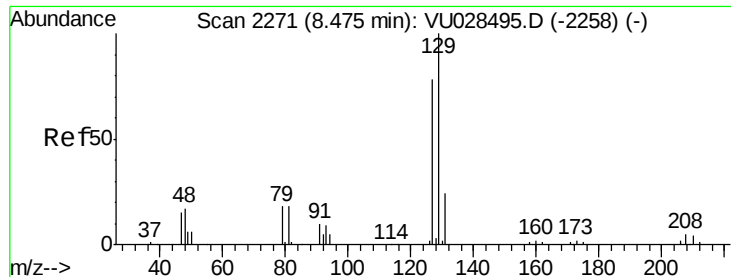
MMDadoda  
 12/11/2018 3:02:52 PM



#59  
 2-Hexanone  
 Concen: 259.979 ug/l  
 RT: 8.36 min Scan# 2235  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Tgt Ion: 43 Resp: 470602  
 Ion Ratio Lower Upper  
 43 100  
 58 52.6 25.9 77.6





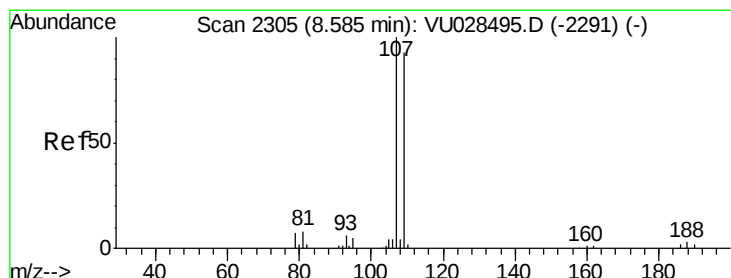
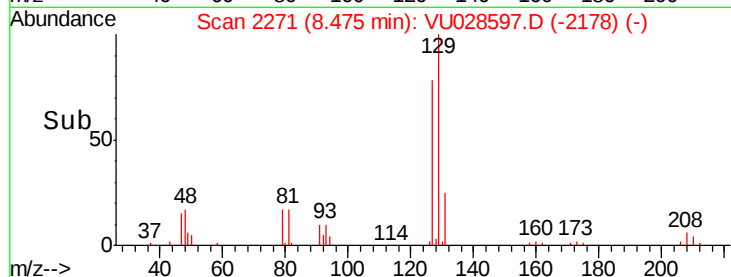
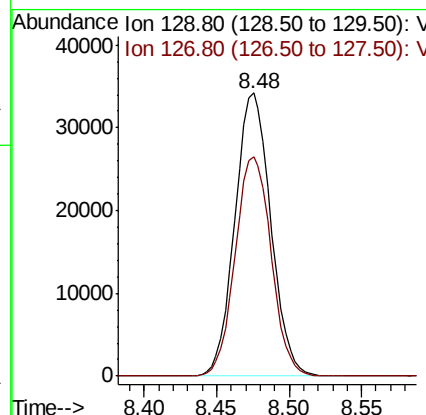
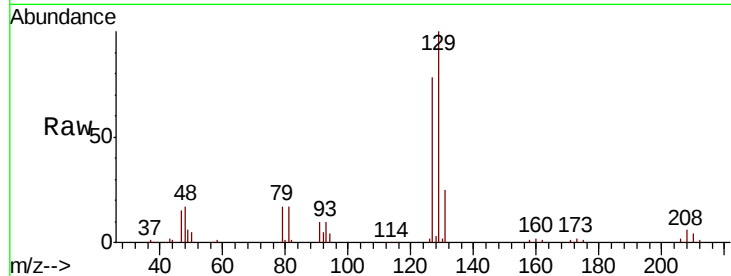
#60  
 Dibromochloromethane  
 Concen: 49.567 ug/l  
 RT: 8.48 min Scan# 2271  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW30312-20181207MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.3  | 39.1  | 117.3 |

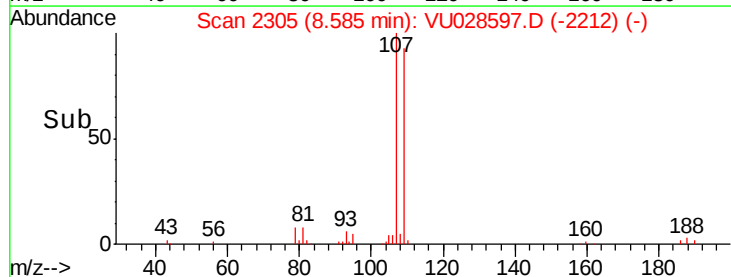
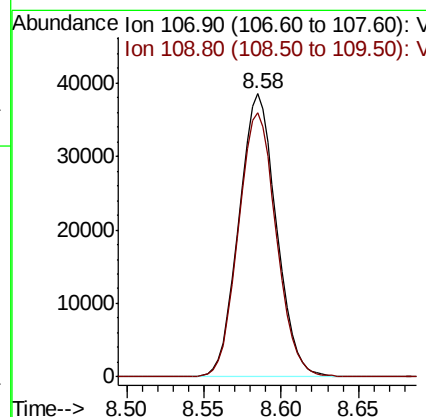
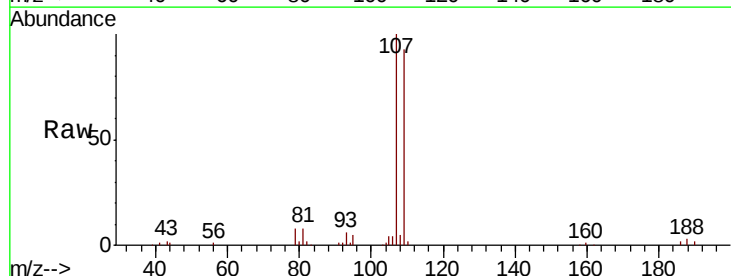
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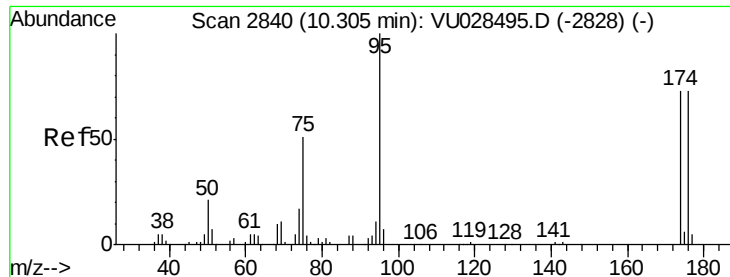
MMDadoda  
 12/11/2018 3:02:52 PM



#61  
 1,2-Dibromoethane  
 Concen: 50.925 ug/l  
 RT: 8.58 min Scan# 2305  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.4  | 74.5  | 111.7 |





#62

4-Bromofluorobenzene

Concen: 52.474 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

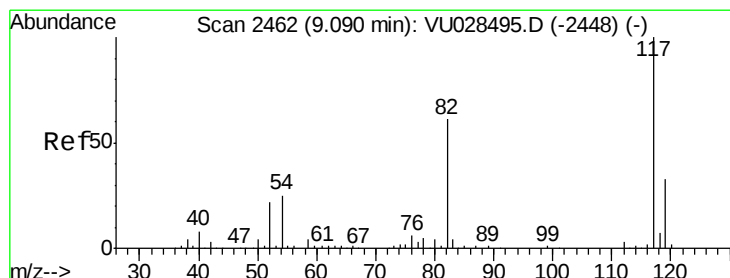
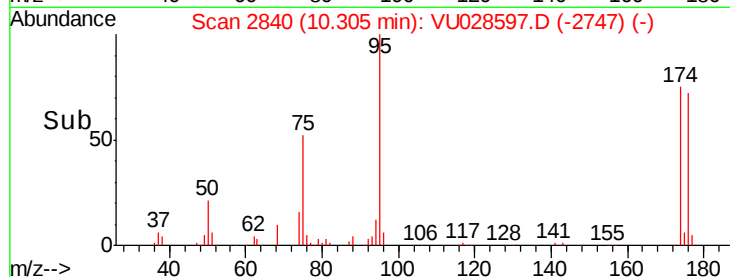
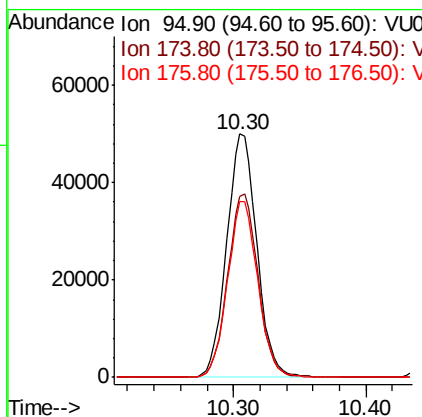
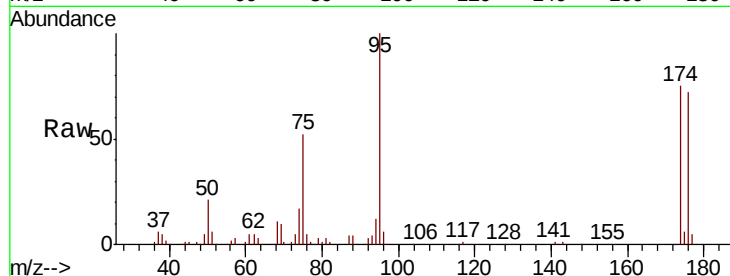
ClientSampleId :

BPS1-TT-MW303I2-20181207MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 79015 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 75.9  | 0.0   | 150.4 |
| 176      | 72.5  | 0.0   | 145.2 |

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

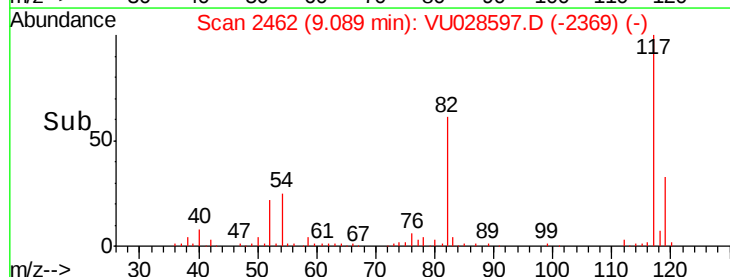
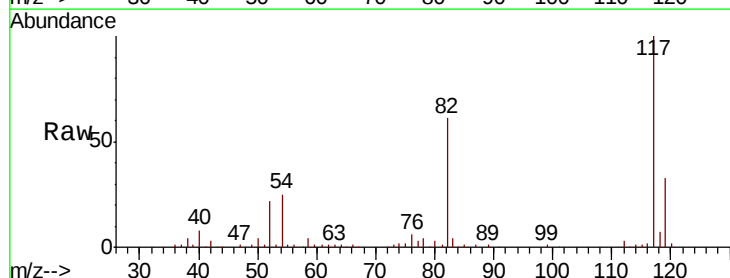
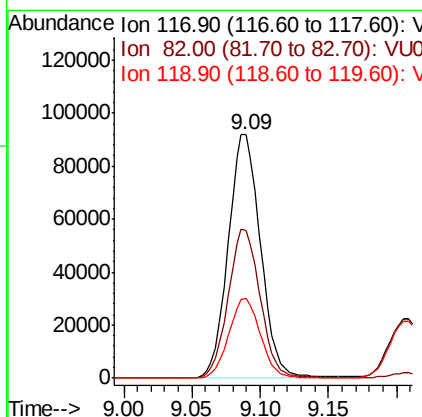
RT: 9.09 min Scan# 2462

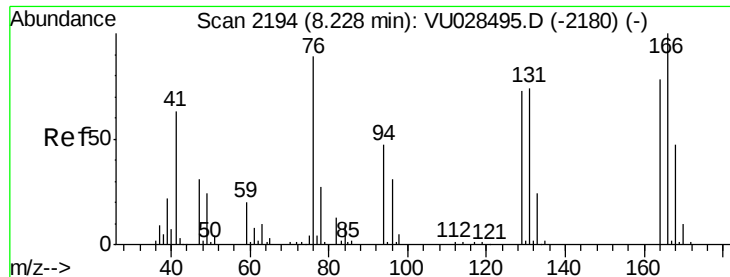
Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 151357 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 60.7  | 48.9  | 73.3   |
| 119      | 32.7  | 26.2  | 39.4   |





#64

Tetrachloroethene

Concen: 48.244 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MS

Tot Ion:164 Resp: 48707

Ion Ratio Lower Upper

164 100

166 127.2 101.9 152.9

129 97.0 74.9 112.3

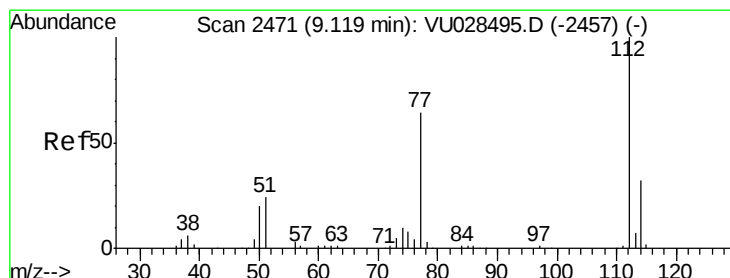
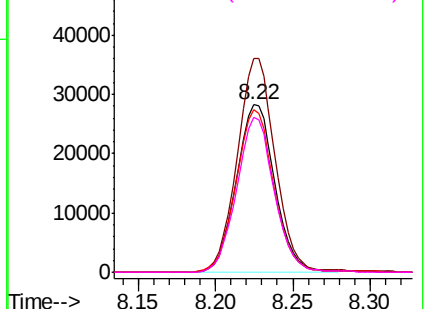
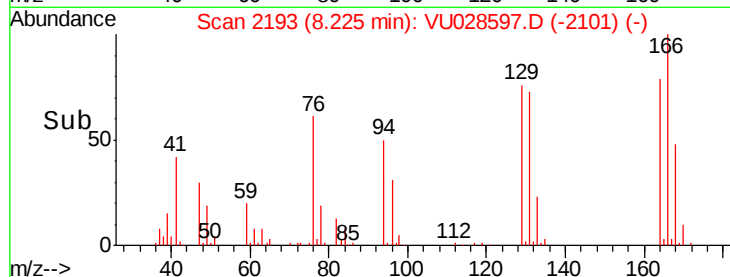
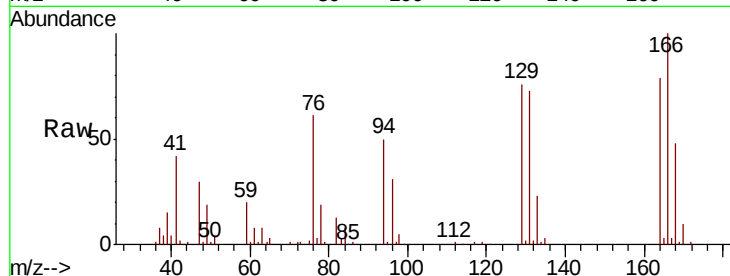
131 92.7 75.4 113.0

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#65

Chlorobenzene

Concen: 48.979 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028597.D

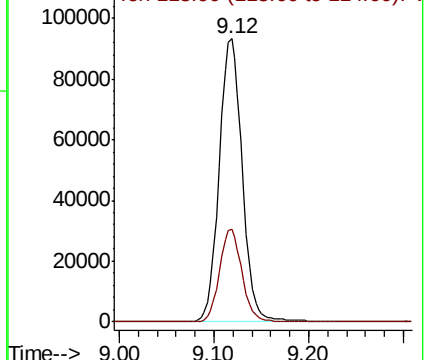
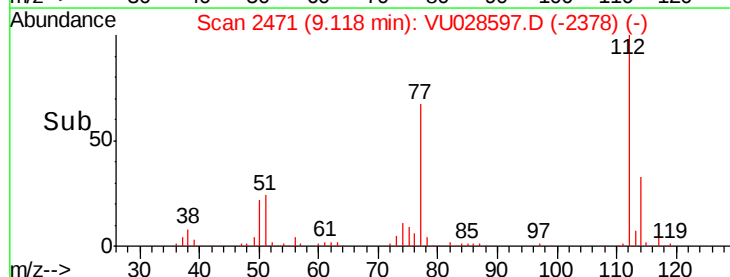
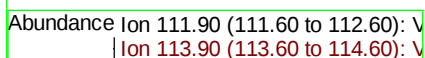
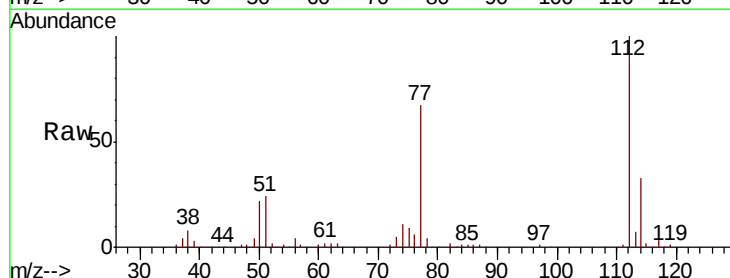
Acq: 11 Dec 2018 10:30

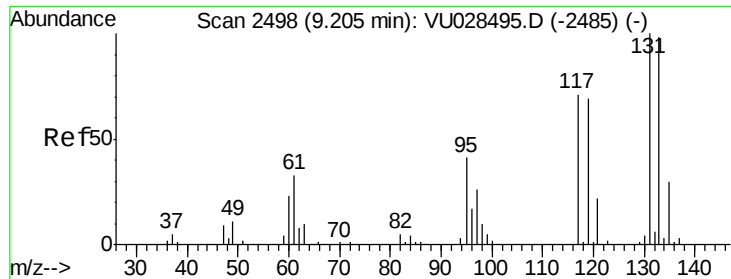
Tgt Ion:112 Resp: 157969

Ion Ratio Lower Upper

112 100

114 32.5 25.3 37.9





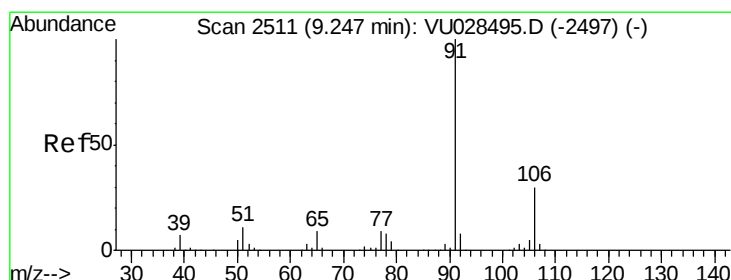
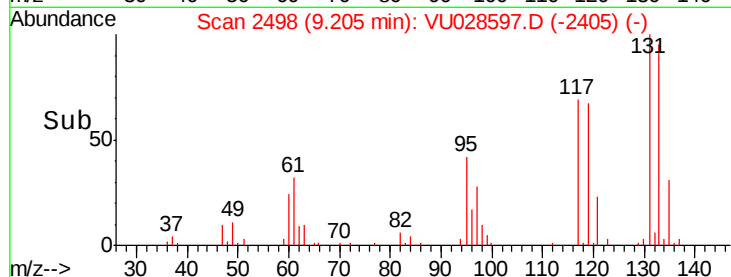
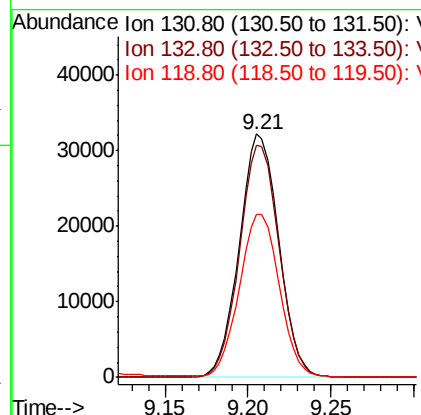
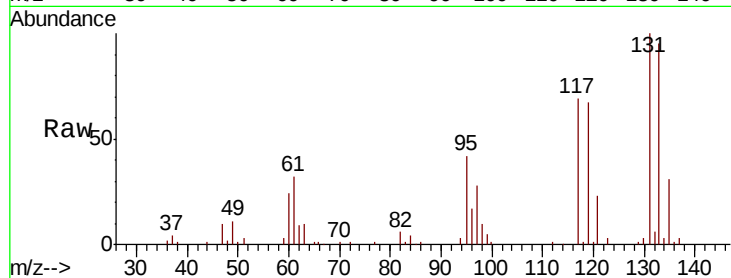
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 51.832 ug/l  
 RT: 9.21 min Scan# 2498  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW303I2-20181207MS

Tot Ion:131 Resp: 53383  
 Ion Ratio Lower Upper  
 131 100  
 133 95.7 48.0 144.0  
 119 68.5 34.6 103.9

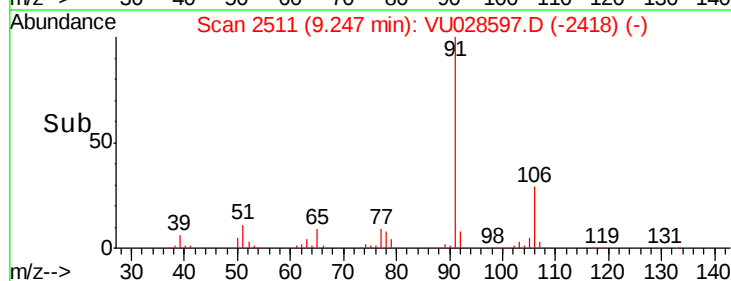
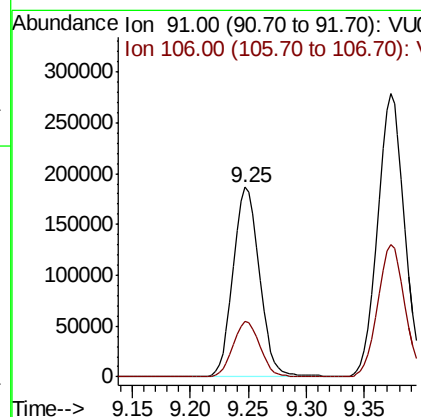
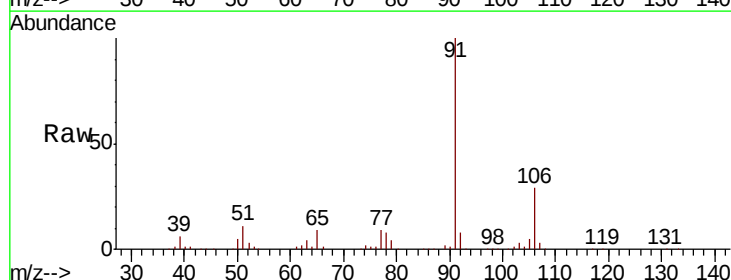
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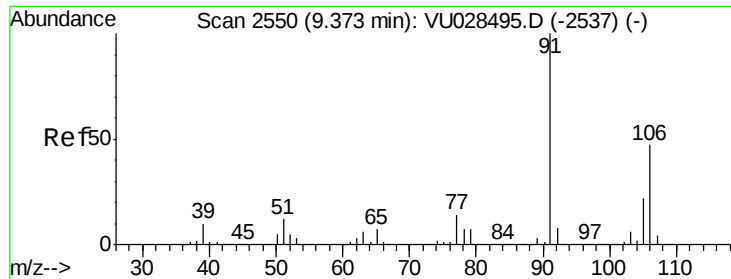
MMDadoda  
 12/11/2018 3:02:52 PM



#67  
 Ethyl Benzene  
 Concen: 49.558 ug/l  
 RT: 9.25 min Scan# 2511  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Tgt Ion: 91 Resp: 293833  
 Ion Ratio Lower Upper  
 91 100  
 106 29.1 24.1 36.1





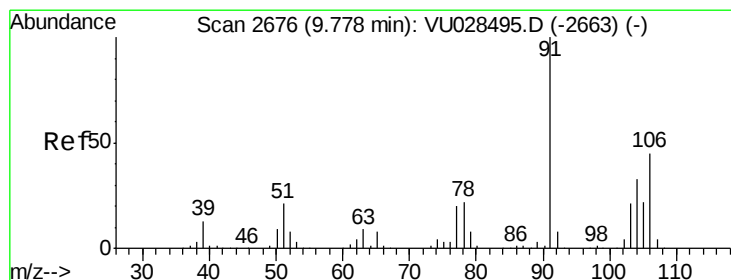
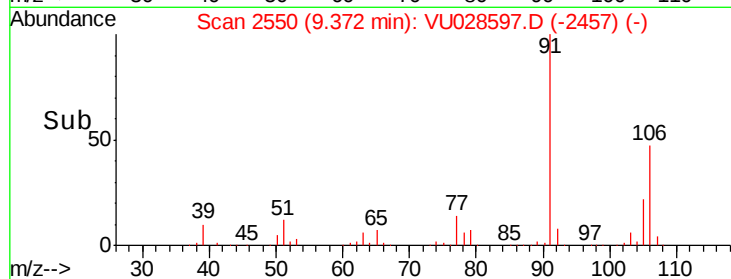
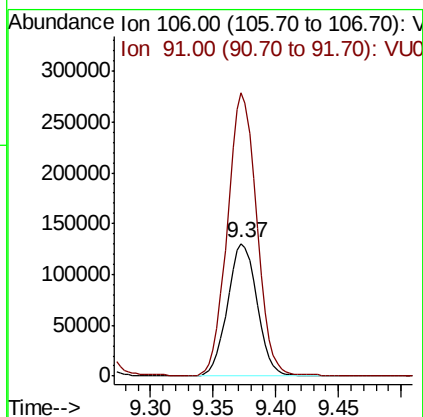
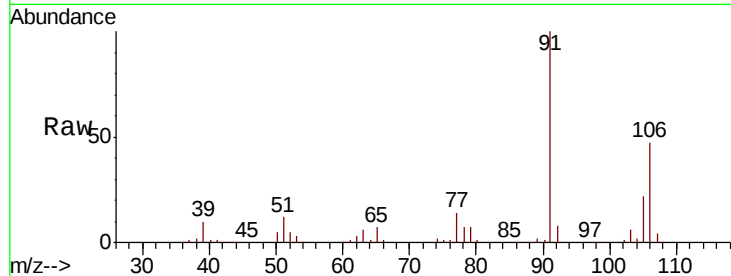
#68  
m/p-Xylenes  
Concen: 98.924 ug/l  
RT: 9.37 min Scan# 2550  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MS

Tot Ion:106 Resp: 213423  
Ion Ratio Lower Upper  
106 100  
91 212.4 167.4 251.0

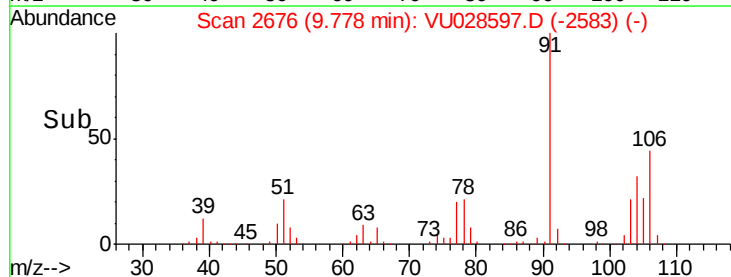
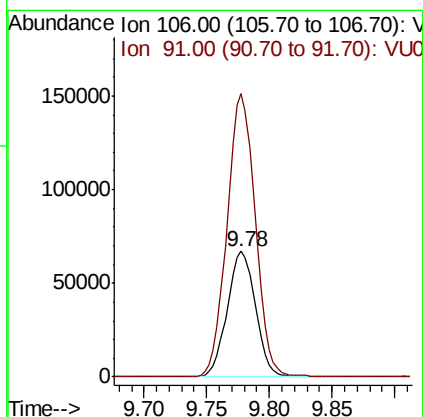
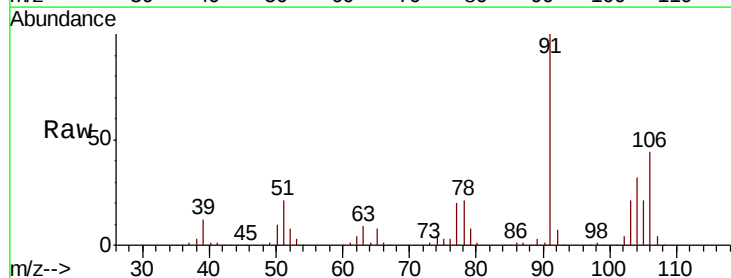
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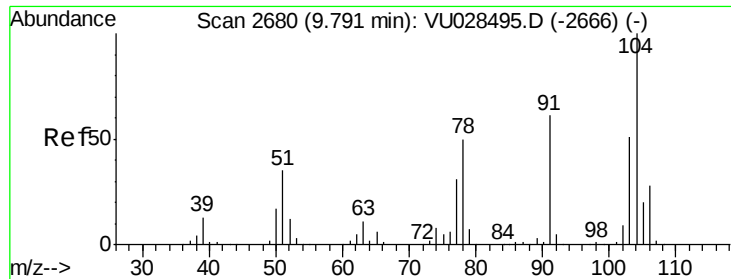
MMDadoda  
12/11/2018 3:02:52 PM



#69  
o-Xylene  
Concen: 50.115 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Tgt Ion:106 Resp: 105071  
Ion Ratio Lower Upper  
106 100  
91 225.2 111.3 334.0





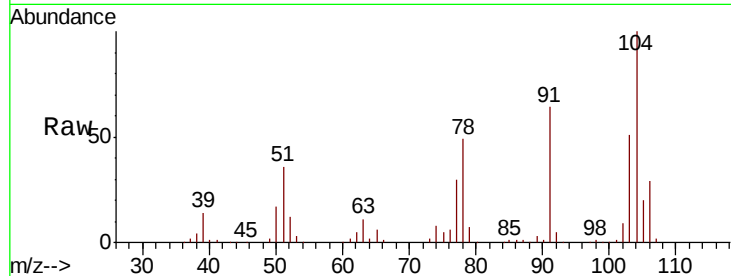
#70  
Stvrene  
Concen: 49.965 ug/l  
RT: 9.79 min Scan# 2680  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 173365 |       |       |
| 78      | 53.8  | 43.0   | 64.6  |       |
| 103     | 55.9  | 44.2   | 66.4  |       |

Manual Integrations  
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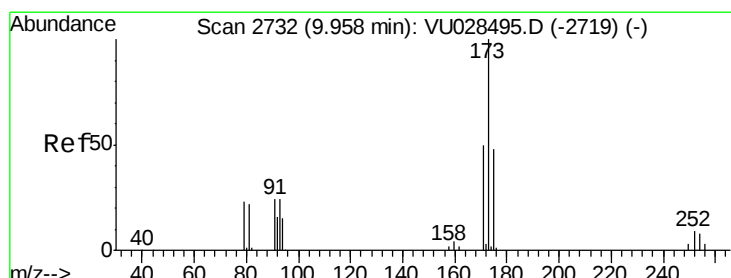
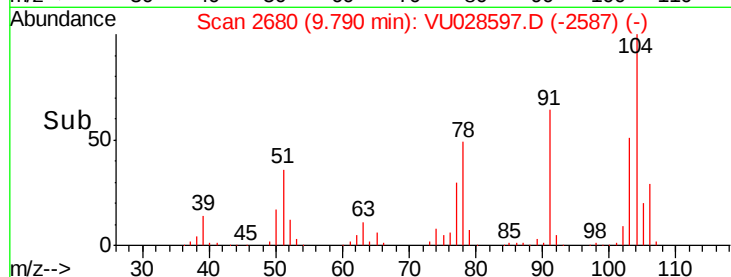
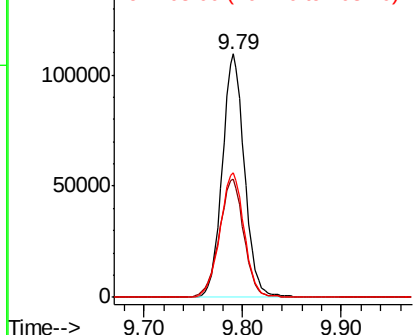


Abundance

Ion 104.00 (103.70 to 104.70): V

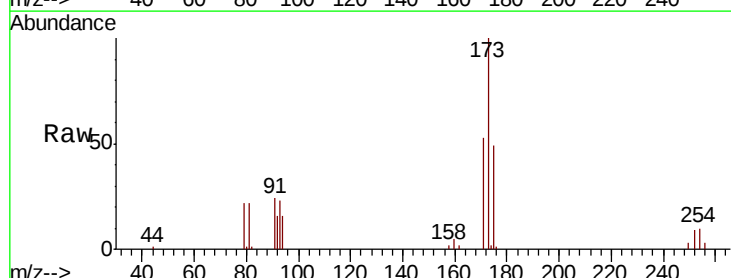
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71  
Bromoform  
Concen: 51.507 ug/l  
RT: 9.96 min Scan# 2732  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 173     | 100   | 45128 |       |       |
| 175     | 49.8  | 23.9  | 71.8  |       |
| 254     | 0.0   | 0.0   | 0.0   |       |

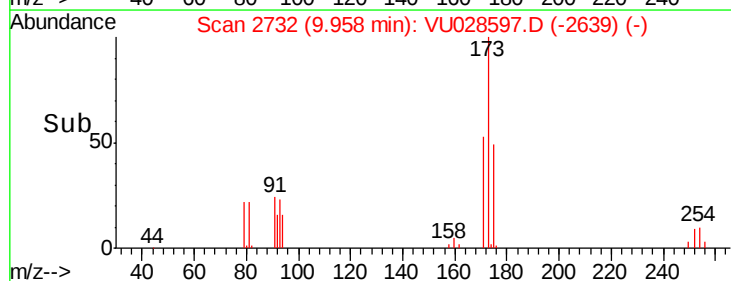
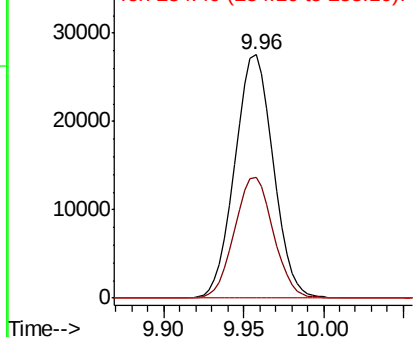


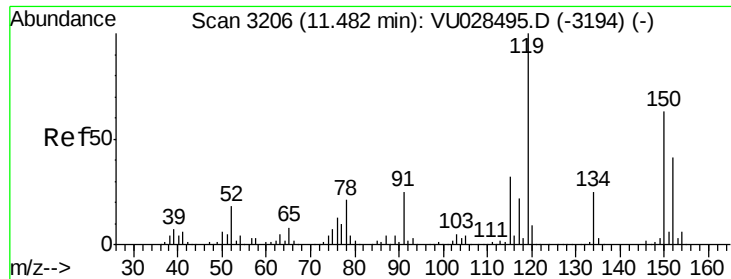
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MS

Tot Ion:152 Resp: 73625

Ion Ratio Lower Upper

152 100

115 84.8 42.7 128.1

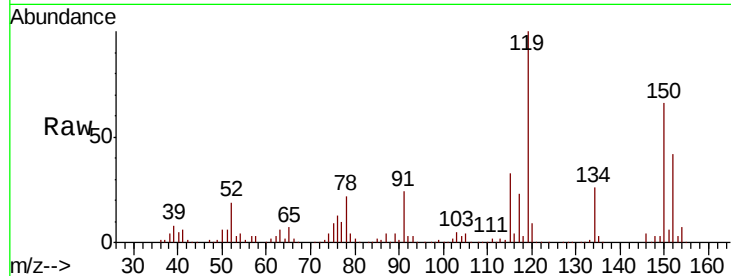
150 172.7 0.0 346.0

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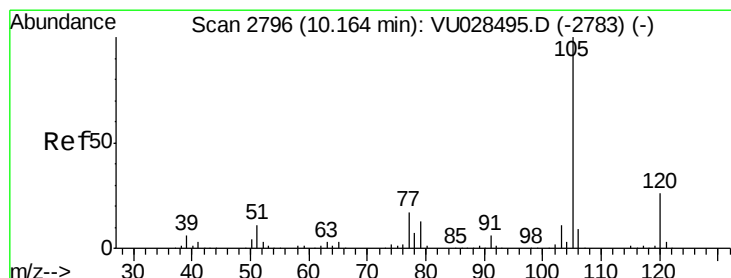
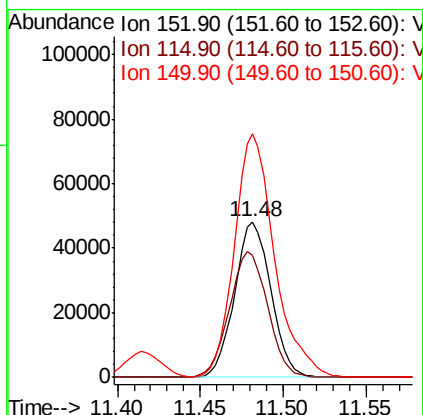
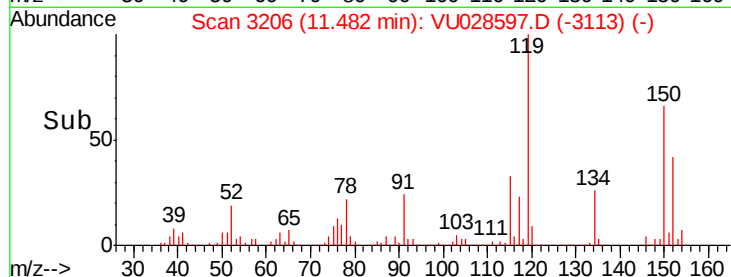
12/11/2018 3:02:52 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 49.448 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028597.D

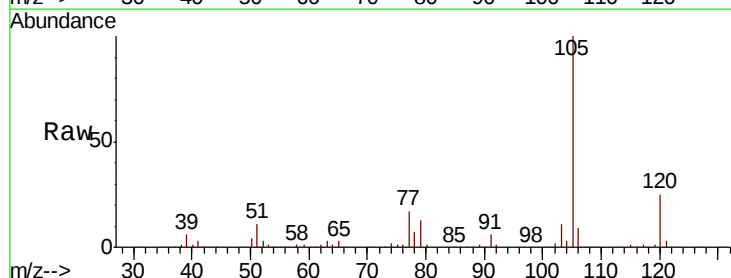
Acq: 11 Dec 2018 10:30

Tgt Ion:105 Resp: 279358

Ion Ratio Lower Upper

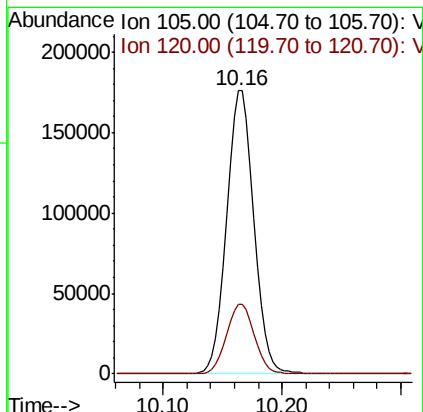
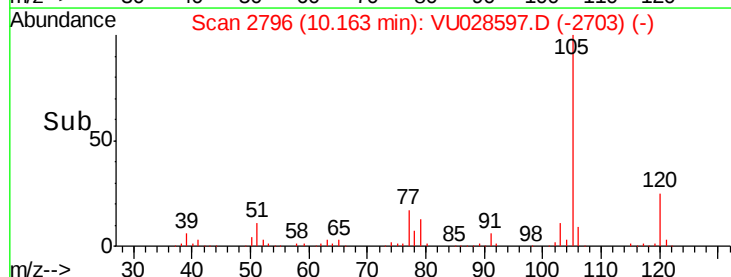
105 100

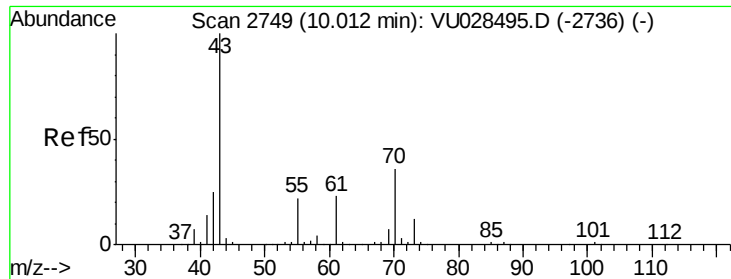
120 25.4 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.680 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

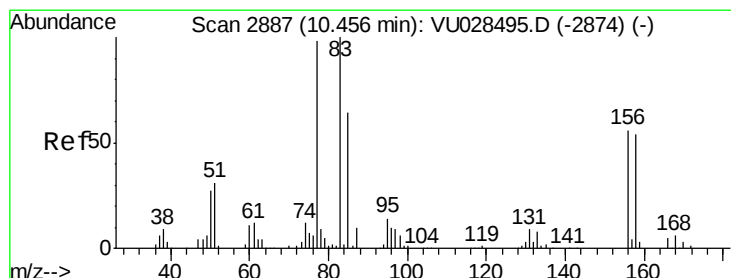
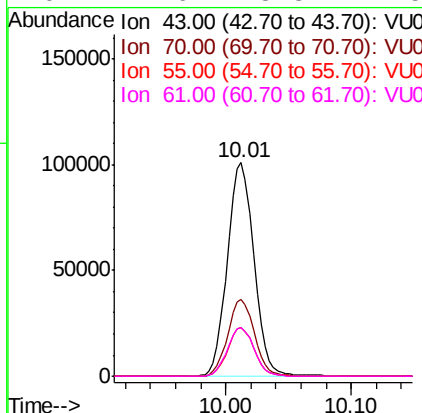
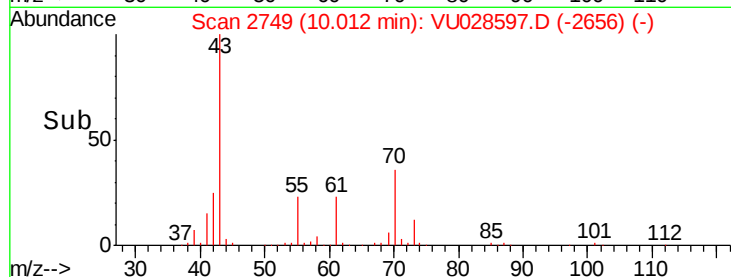
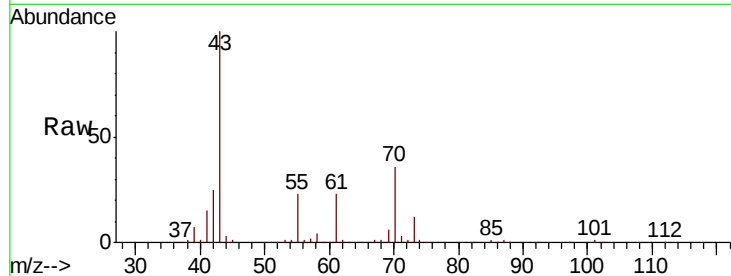
ClientSampleId :

BPS1-TT-MW303I2-20181207MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 148862 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 70       | 36.2  | 29.3  | 43.9   |
| 55       | 22.9  | 18.0  | 27.0   |
| 61       | 22.6  | 18.3  | 27.5   |

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#75

1,1,2,2-Tetrachloroethane

Concen: 53.429 ug/l

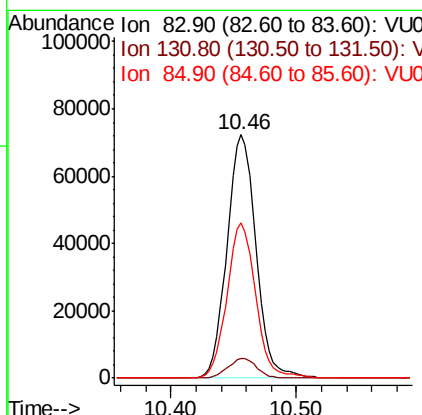
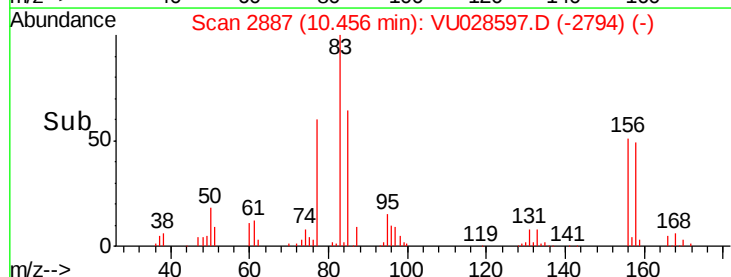
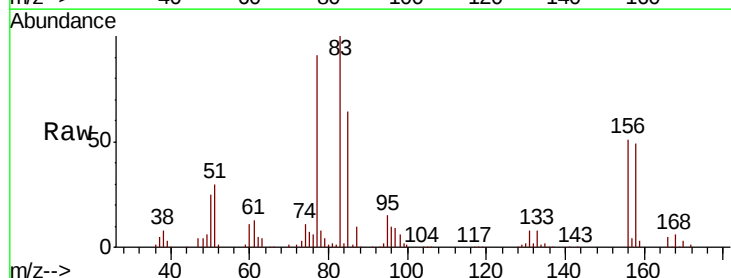
RT: 10.46 min Scan# 2887

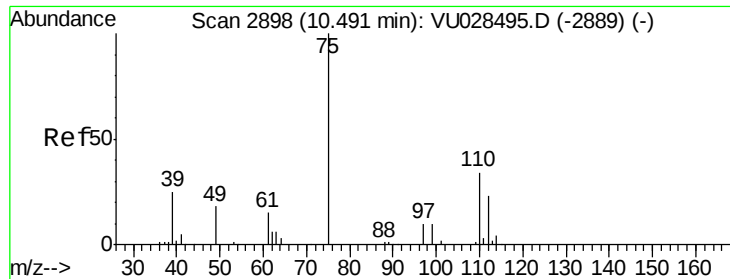
Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 115952 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 8.0   | 4.2   | 12.4   |
| 85       | 63.3  | 31.8  | 95.4   |





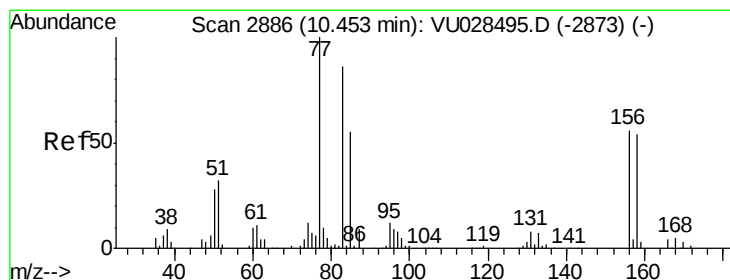
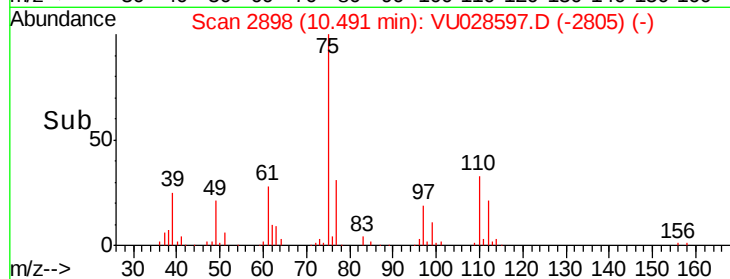
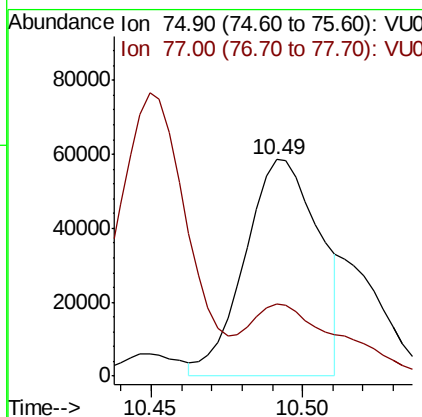
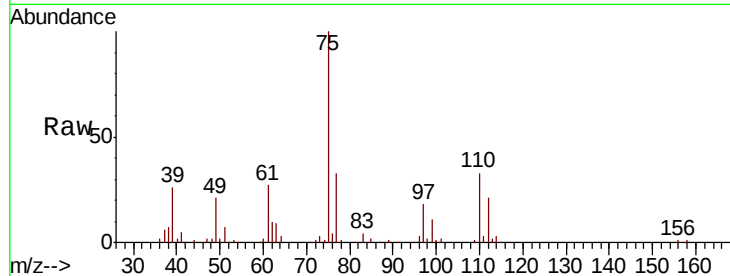
#76  
 1,2,3-Trichloropropane  
 Concen: 53.161 ug/l m  
 RT: 10.49 min Scan# 2898  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW303I2-20181207MS

Tot Ion: 75 Resp: 99944  
 Ion Ratio Lower Upper  
 75 100  
 77 40.4 20.8 62.4

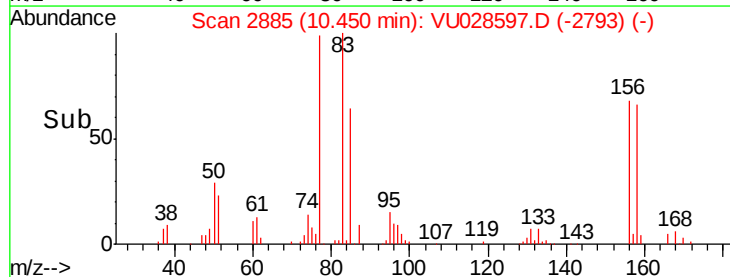
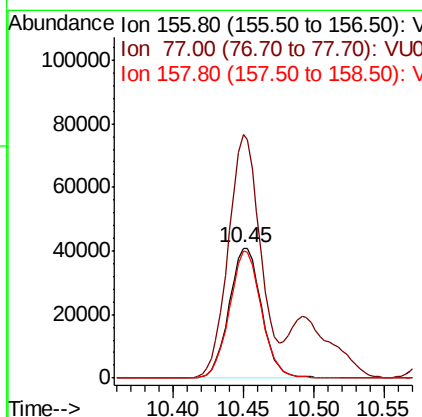
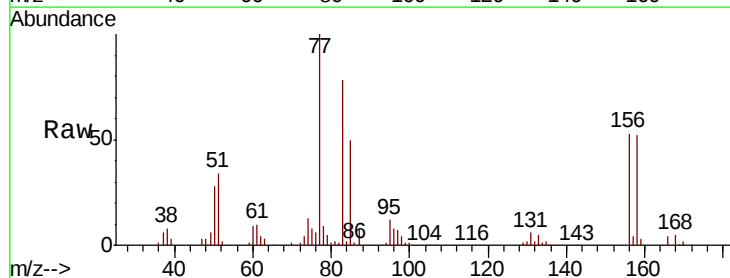
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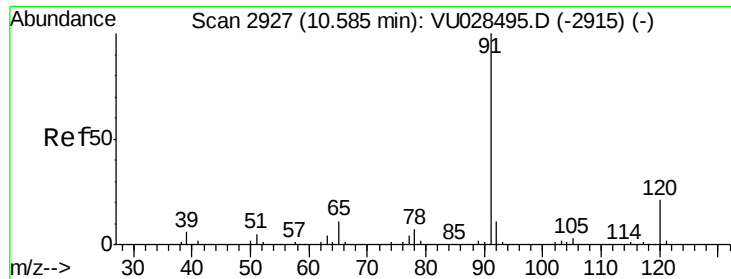
MMDadoda  
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#77  
 Bromobenzene  
 Concen: 49.907 ug/l  
 RT: 10.45 min Scan# 2885  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Tgt Ion: 156 Resp: 65941  
 Ion Ratio Lower Upper  
 156 100  
 77 184.7 92.4 277.2  
 158 96.3 48.4 145.3





#78

n-propylbenzene

Concen: 48.487 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW30312-20181207MS

Tot Ion: 91 Resp: 340378

Ion Ratio Lower Upper

91 100

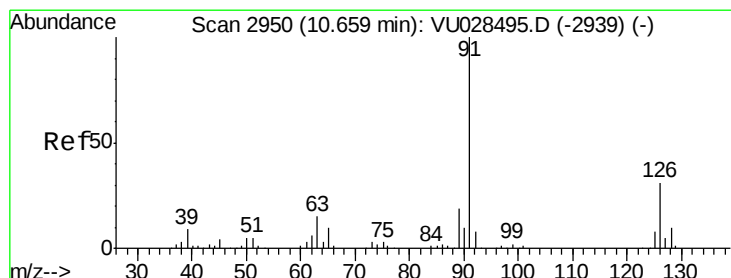
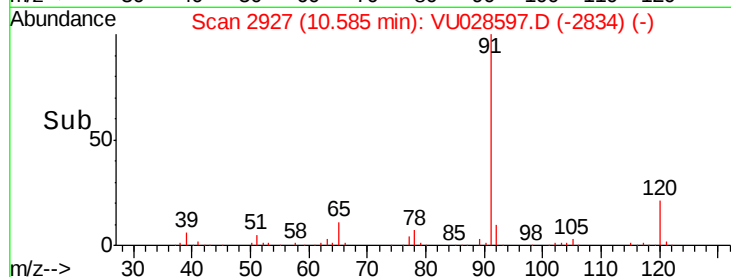
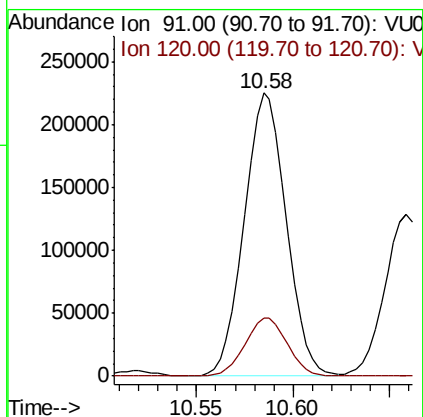
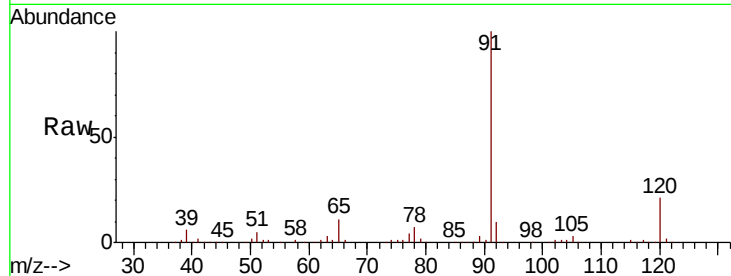
120 20.7 10.6 31.8

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#79

2-Chlorotoluene

Concen: 49.449 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028597.D

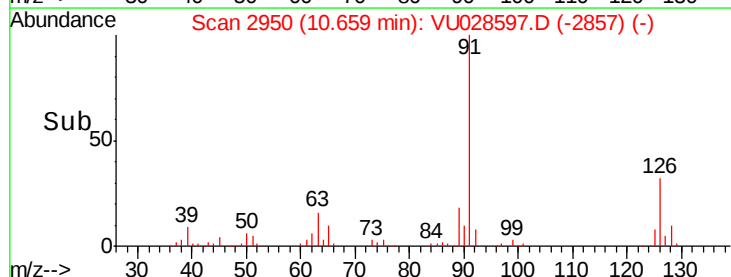
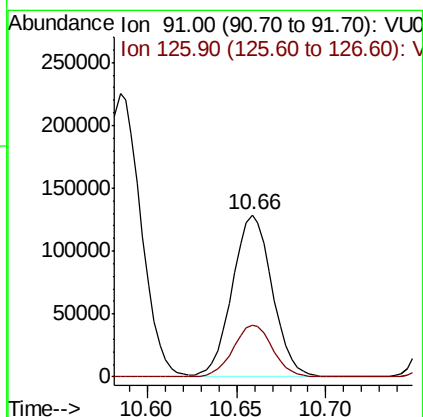
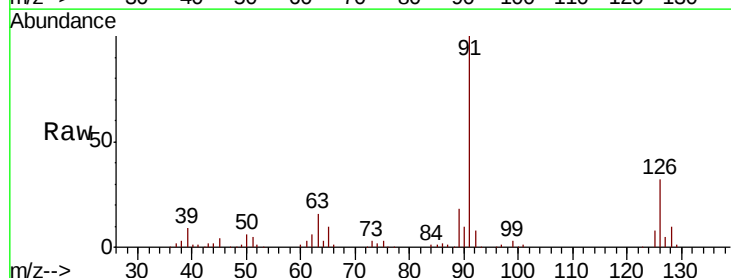
Acq: 11 Dec 2018 10:30

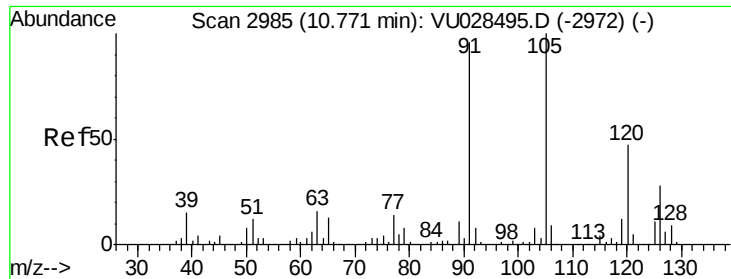
Tgt Ion: 91 Resp: 199957

Ion Ratio Lower Upper

91 100

126 31.9 15.6 46.8





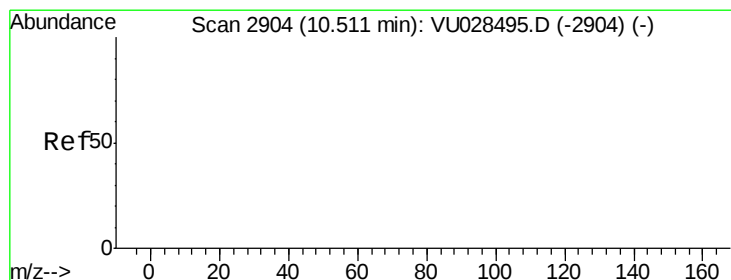
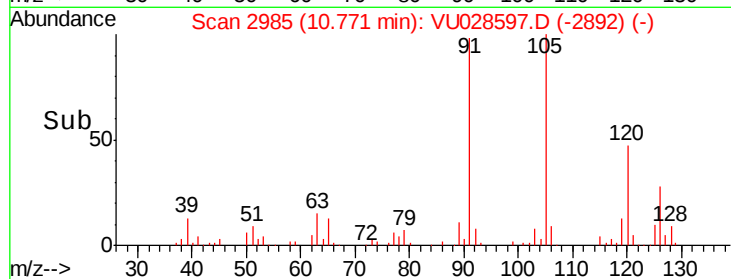
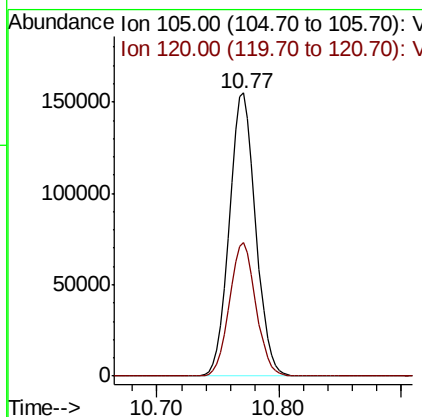
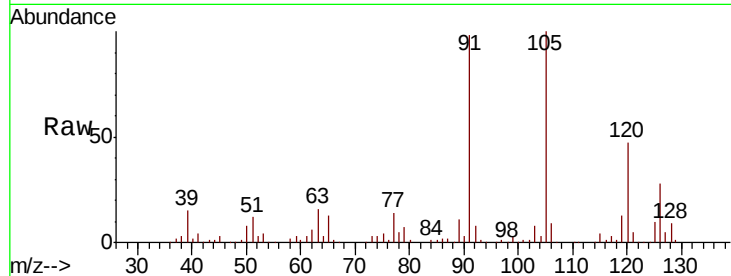
#80  
 1,3,5-Trimethylbenzene  
 Concen: 49.843 ug/l  
 RT: 10.77 min Scan# 2985  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW30312-20181207MS

Tot Ion:105 Resp: 233090  
 Ion Ratio Lower Upper  
 105 100  
 120 47.4 23.7 71.1

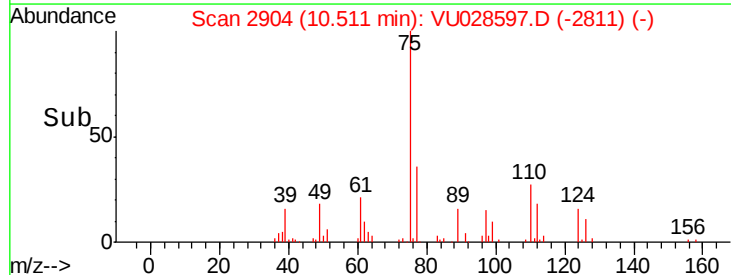
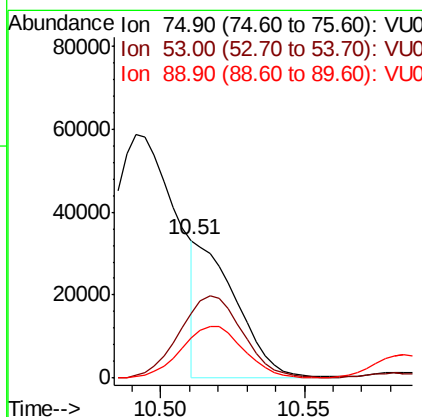
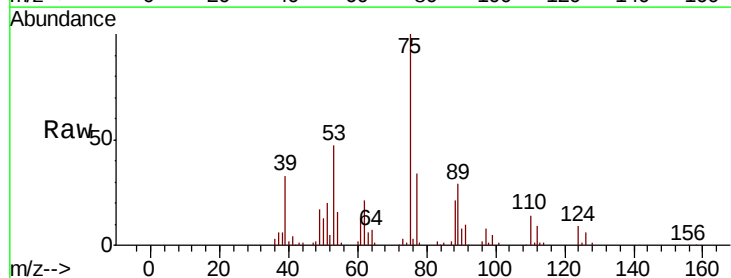
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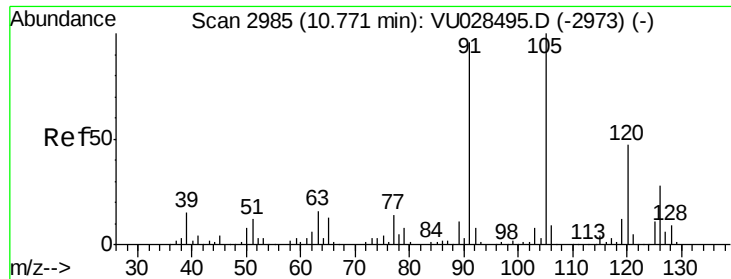
MMDadoda  
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#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 41.748 ug/l m  
 RT: 10.51 min Scan# 2904  
 Delta R.T. 0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Tgt Ion: 75 Resp: 31856  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 0.0 0.0  
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 47.945 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MS

Tot Ion: 91 Resp: 229744

Ion Ratio Lower Upper

91 100

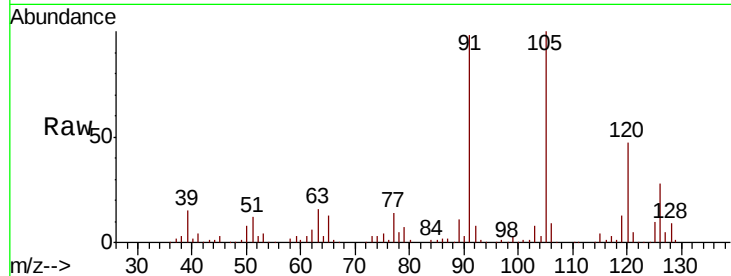
126 28.0 14.1 42.3

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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2973) (-)

10.77

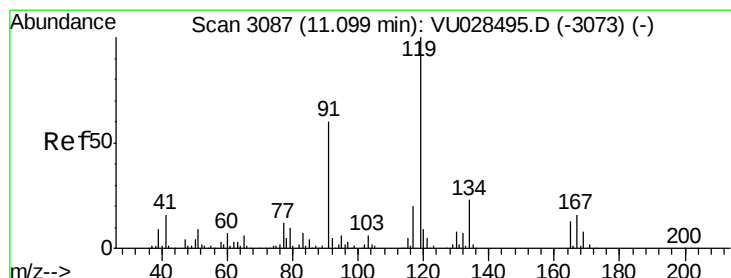
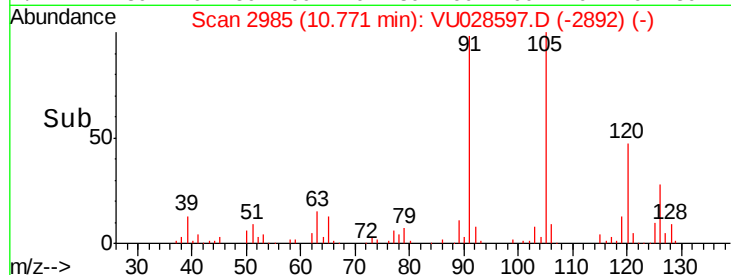
150000

100000

50000

0

Time-->



#83

tert-Butylbenzene

Concen: 49.385 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

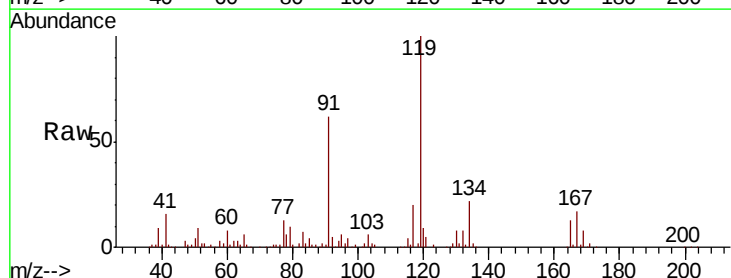
Tgt Ion: 119 Resp: 222602

Ion Ratio Lower Upper

119 100

91 62.2 30.3 91.0

134 22.1 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): VU028495.D (-3073) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-3073) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3073) (-)

11.10

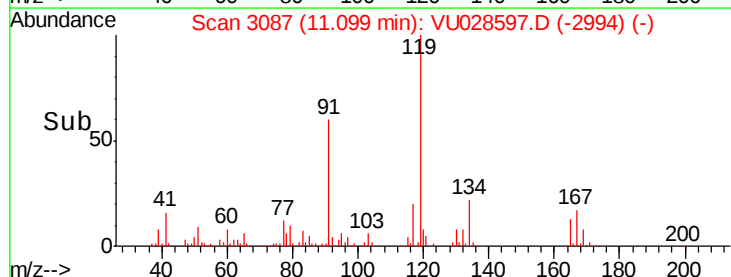
150000

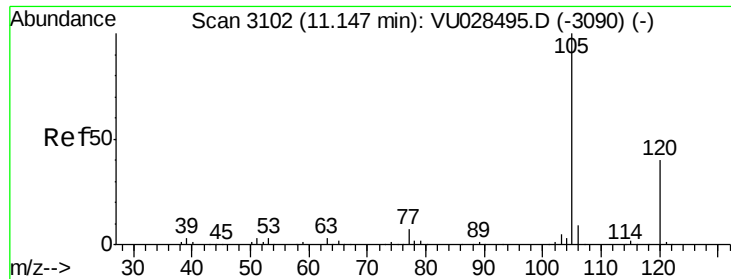
100000

50000

0

Time-->





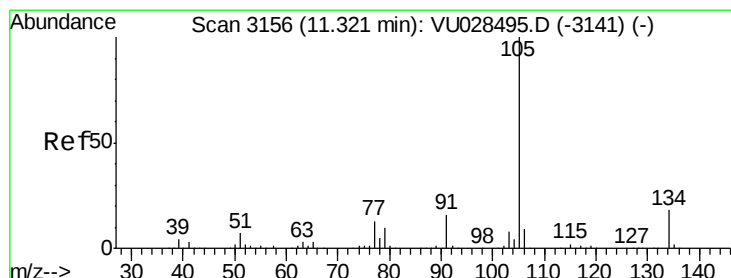
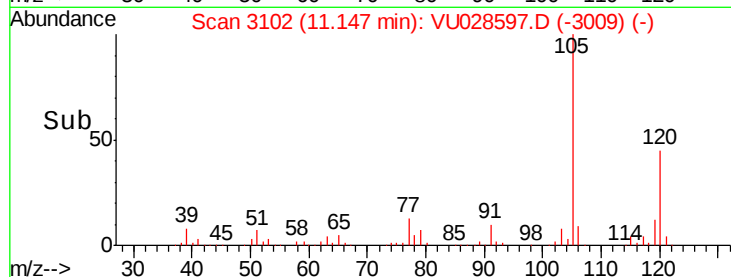
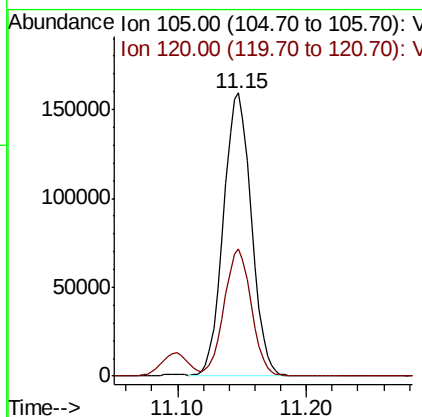
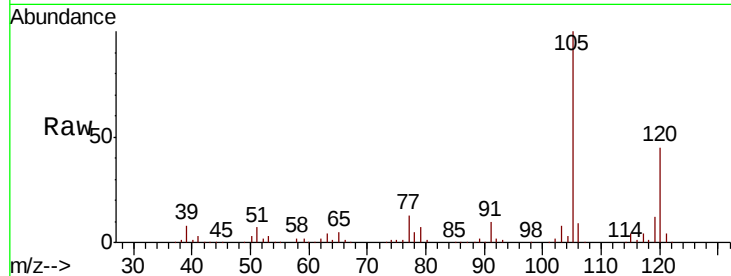
#84  
1,2,4-Trimethylbenzene  
Concen: 49.678 ug/l  
RT: 11.15 min Scan# 3102  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW30312-20181207MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.8  | 21.8  | 65.4  |

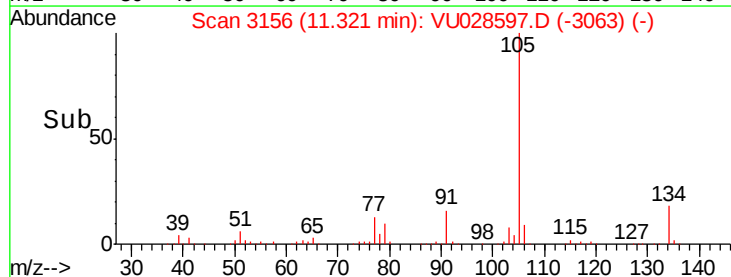
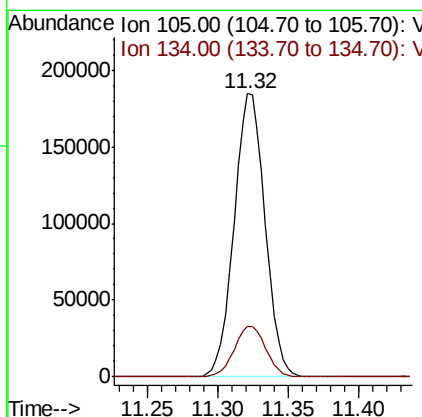
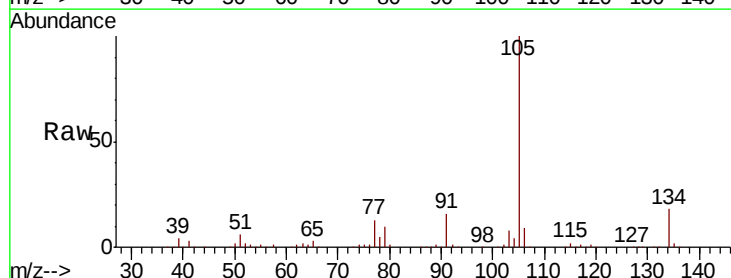
Manual Integrations  
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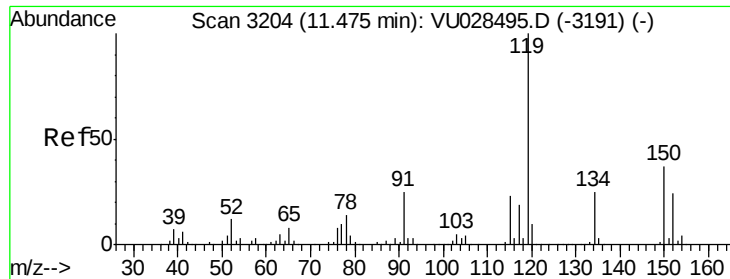
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#85  
sec-Butylbenzene  
Concen: 48.983 ug/l  
RT: 11.32 min Scan# 3156  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 18.3  | 9.2   | 27.6  |





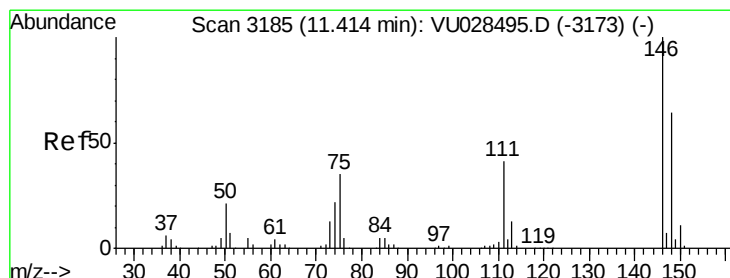
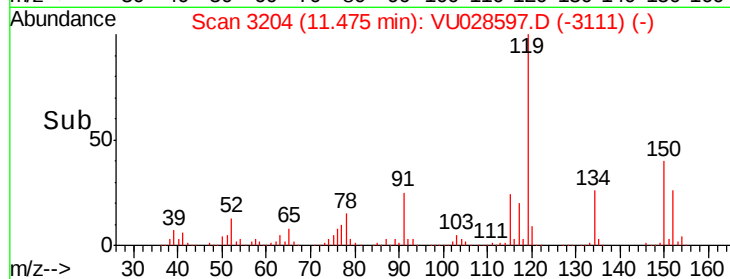
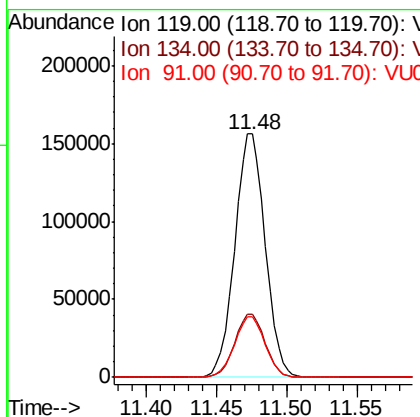
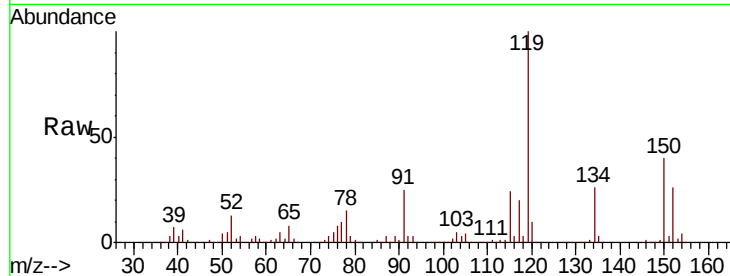
#86  
p-Isopropyltoluene  
Concen: 47.869 ug/l  
RT: 11.48 min Scan# 3204  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW30312-20181207MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.0  | 12.7  | 38.1  |
| 91      | 25.1  | 12.6  | 37.6  |

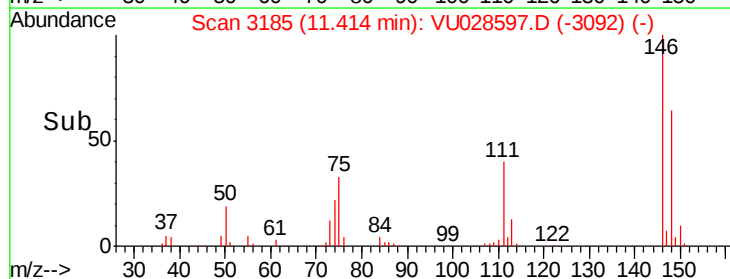
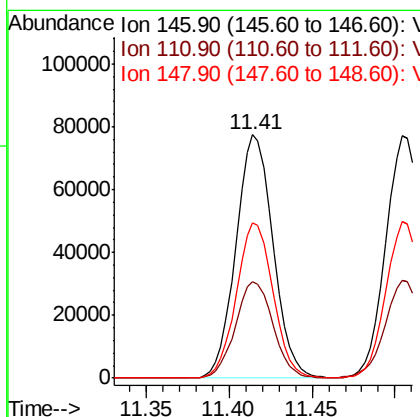
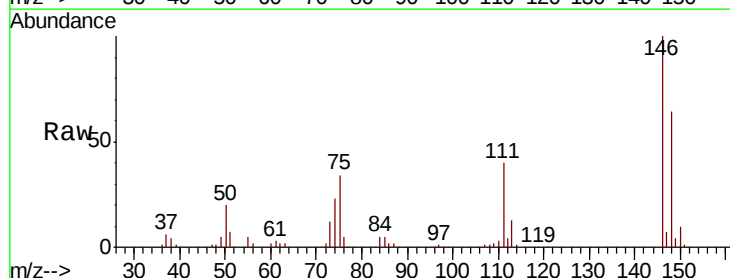
Manual Integrations  
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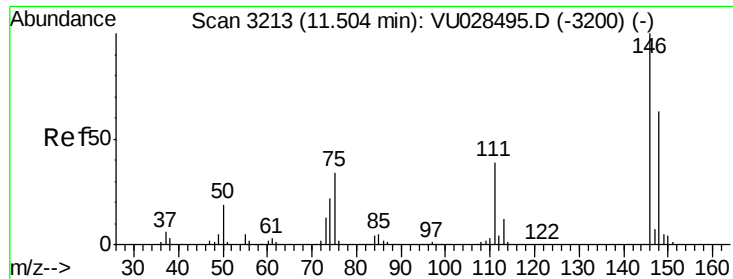
MMDadoda  
12/11/2018 3:02:52 PM



#87  
1,3-Dichlorobenzene  
Concen: 48.249 ug/l  
RT: 11.41 min Scan# 3185  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.3  | 20.7  | 62.1  |
| 148     | 63.0  | 31.9  | 95.7  |





#88

1,4-Dichlorobenzene

Concen: 46.238 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

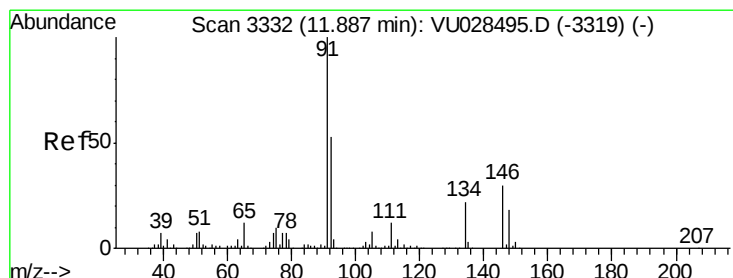
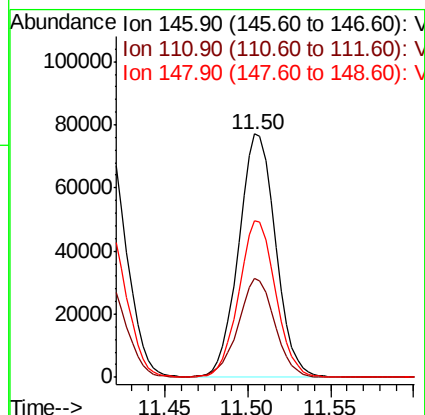
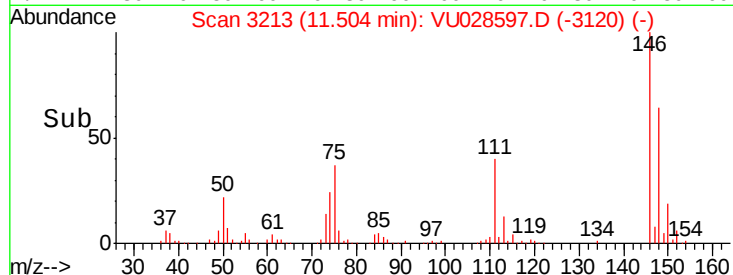
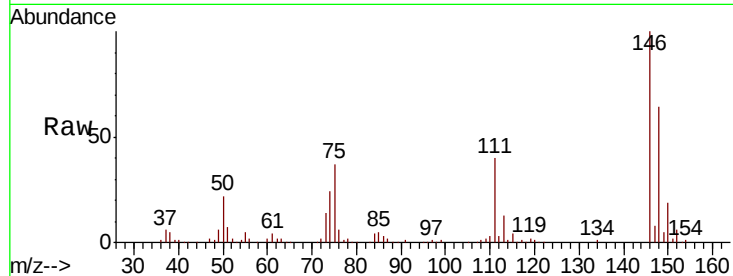
ClientSampleId :

BPS1-TT-MW303I2-20181207MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 119354 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.6  | 20.2  | 60.5   |
| 148       | 64.1  | 31.6  | 95.0   |

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#89

n-Butylbenzene

Concen: 45.597 ug/l

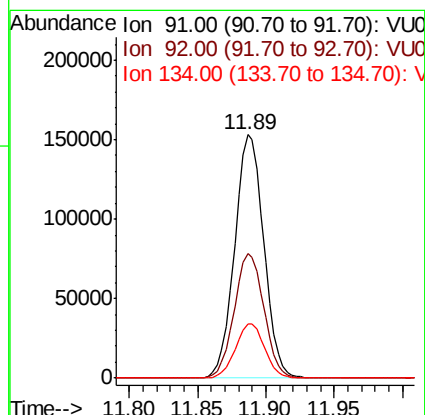
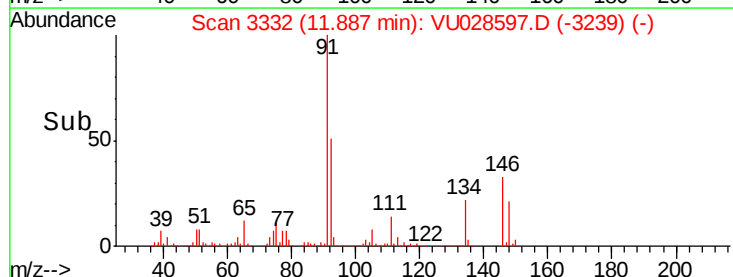
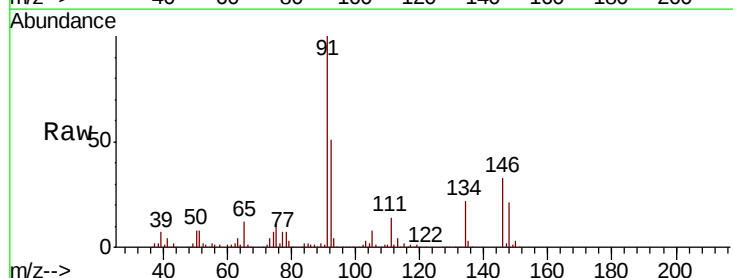
RT: 11.89 min Scan# 3332

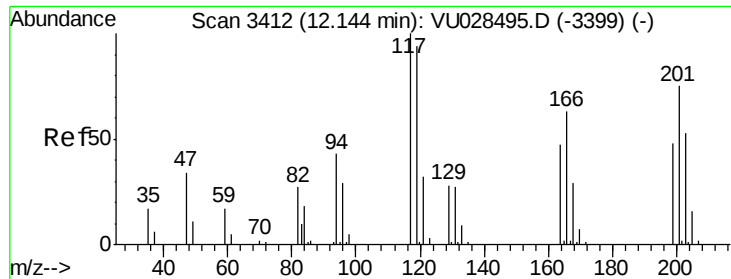
Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 226993 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 52.2  | 26.3  | 78.9   |
| 134       | 22.4  | 11.3  | 33.8   |





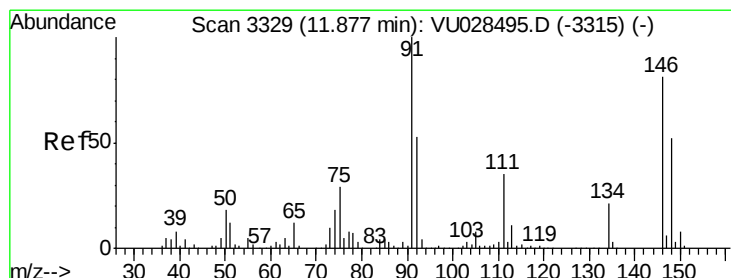
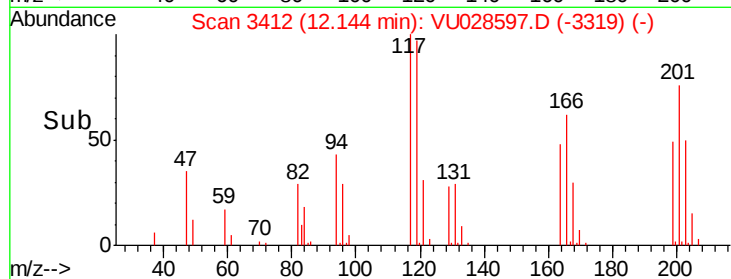
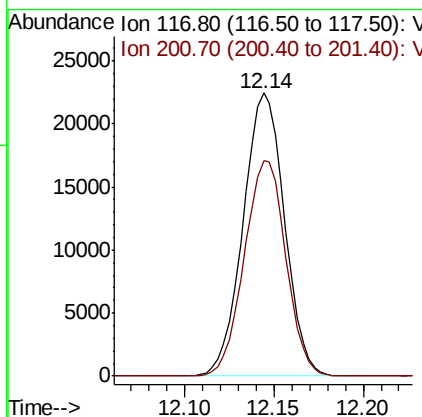
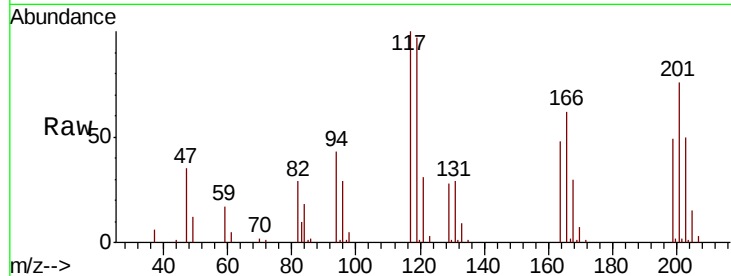
#90  
Hexachloroethane  
Concen: 48.915 ug/l  
RT: 12.14 min Scan# 3412  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW30312-20181207MS

Tot Ion:117 Resp: 36368  
Ion Ratio Lower Upper  
117 100  
201 76.5 38.1 114.5

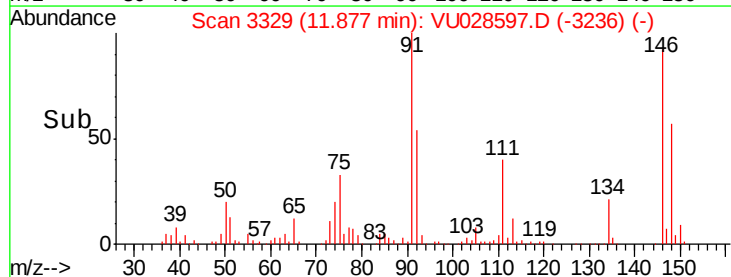
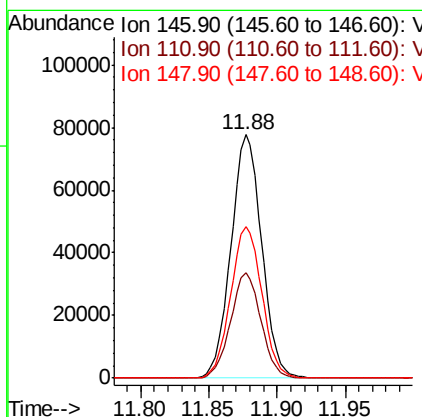
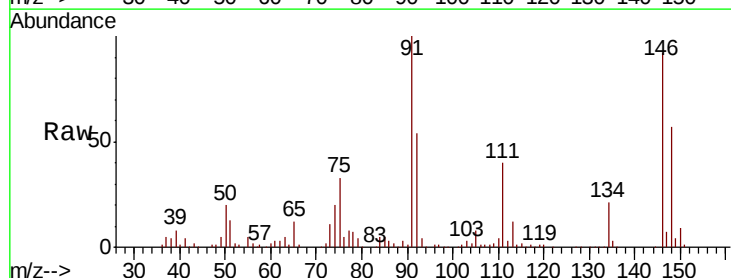
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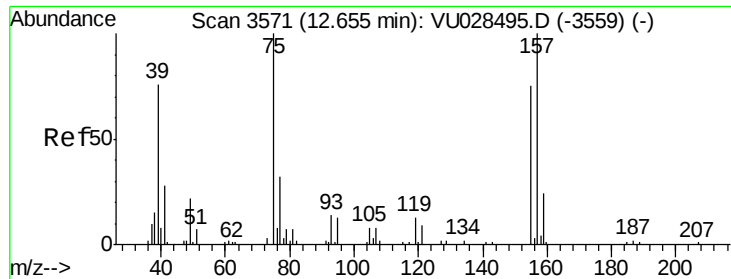
MMDadoda  
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#91  
1,2-Dichlorobenzene  
Concen: 48.618 ug/l  
RT: 11.88 min Scan# 3329  
Delta R.T. -0.00 min  
Lab File: VU028597.D  
Acq: 11 Dec 2018 10:30

Tgt Ion:146 Resp: 121331  
Ion Ratio Lower Upper  
146 100  
111 42.9 21.1 63.4  
148 63.1 31.4 94.2





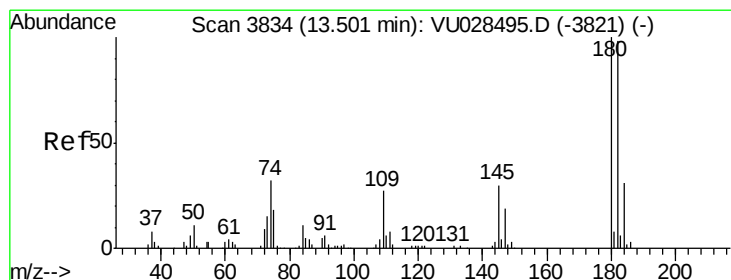
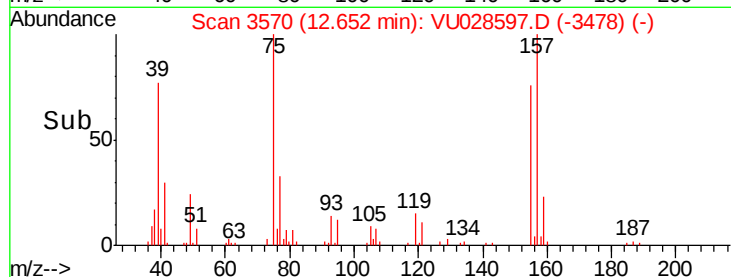
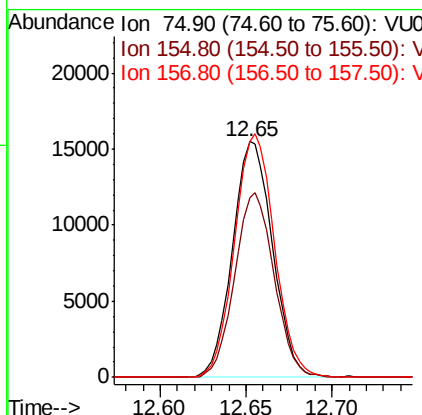
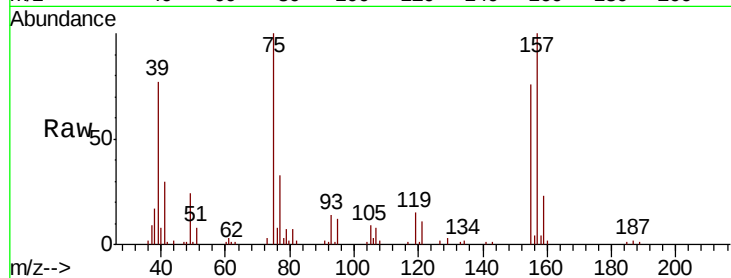
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.628 ug/l  
 RT: 12.65 min Scan# 3570  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW30312-20181207MS

Tot Ion: 75 Resp: 25197  
 Ion Ratio Lower Upper  
 75 100  
 155 76.9 38.1 114.5  
 157 102.7 48.7 146.1

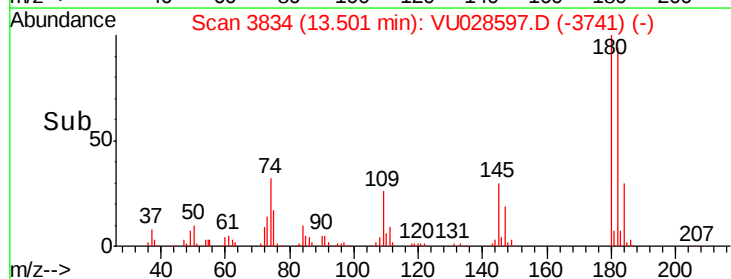
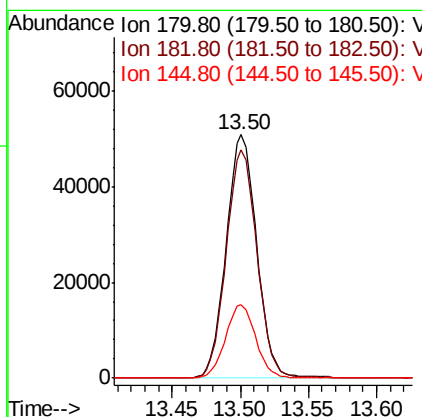
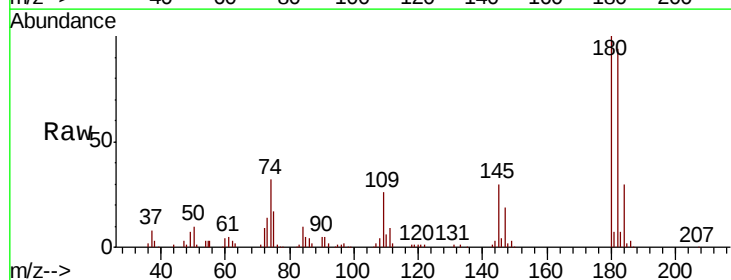
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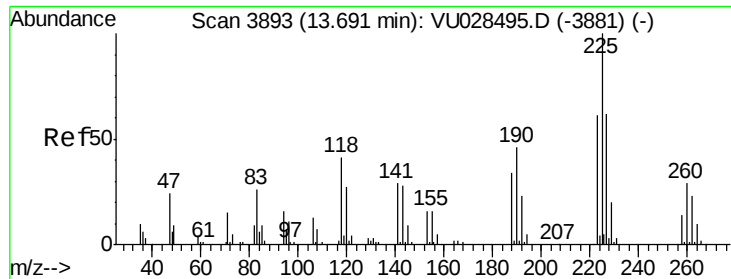
MMDadoda  
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#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.257 ug/l  
 RT: 13.50 min Scan# 3834  
 Delta R.T. -0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Tgt Ion: 180 Resp: 79216  
 Ion Ratio Lower Upper  
 180 100  
 182 94.8 47.9 143.8  
 145 29.8 15.0 45.1





#94

Hexachlorobutadiene

Concen: 43.175 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

Instrument :

MSVOA\_U

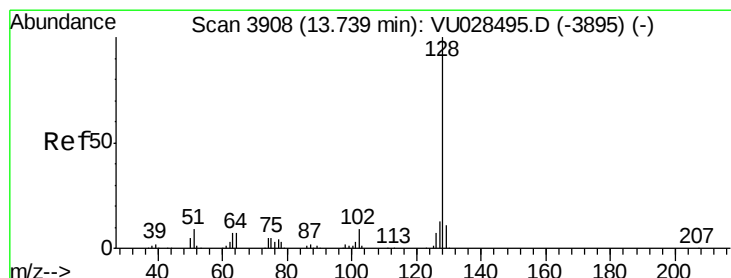
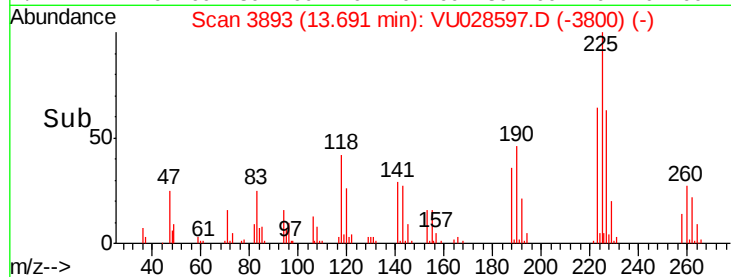
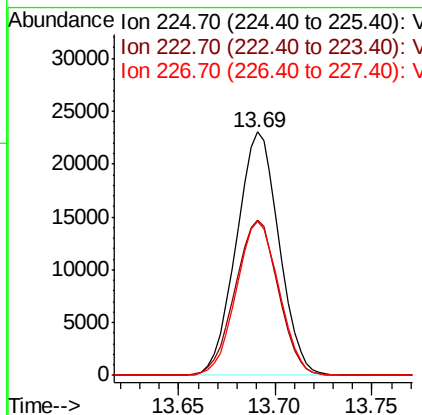
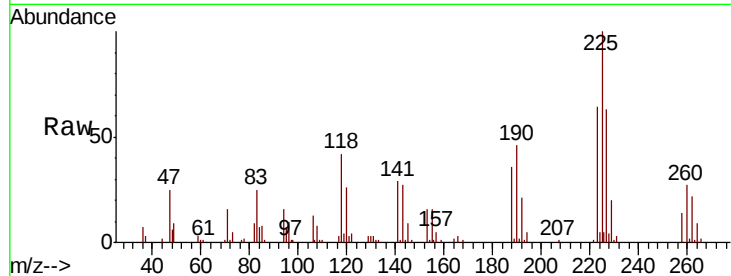
ClientSampleId :

BPS1-TT-MW30312-20181207MS

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 225  | Resp: | 35295 |
| Ion Ratio |      | Lower | Upper |
| 225       | 100  |       |       |
| 223       | 64.6 | 30.4  | 91.2  |
| 227       | 63.1 | 30.7  | 92.1  |

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#95

Naphthalene

Concen: 48.070 ug/l

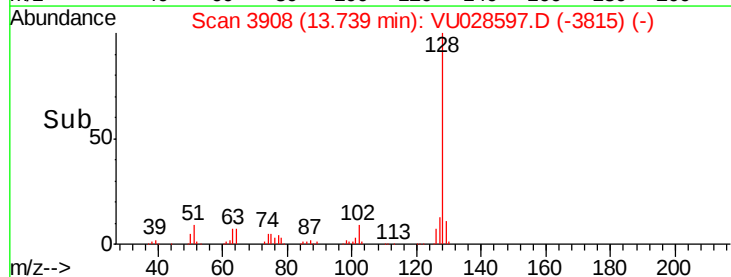
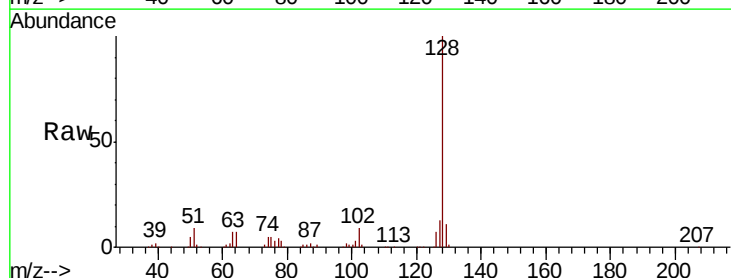
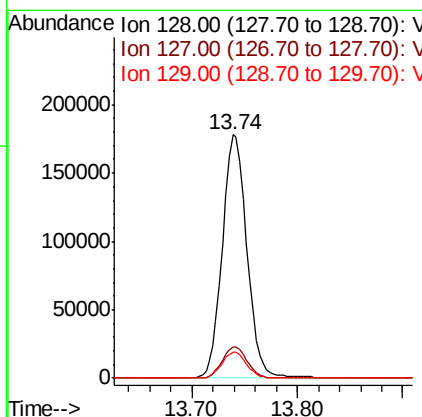
RT: 13.74 min Scan# 3908

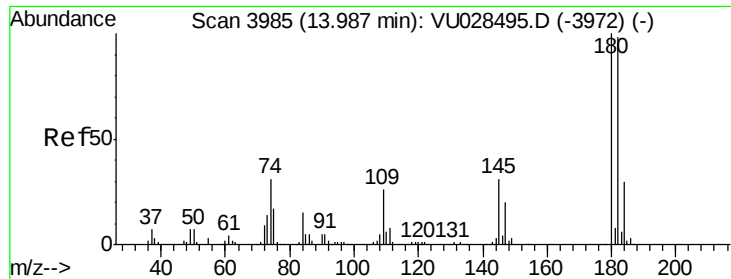
Delta R.T. -0.00 min

Lab File: VU028597.D

Acq: 11 Dec 2018 10:30

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 128  | Resp: | 287867 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 13.1 | 10.4  | 15.6   |
| 129       | 10.8 | 8.6   | 13.0   |





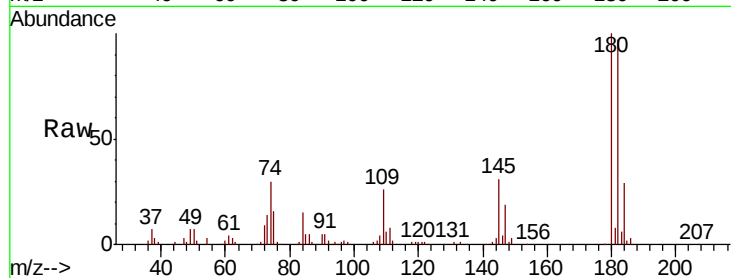
#96  
 1,2,3-Trichlorobenzene  
 Concen: 47.754 ug/l  
 RT: 13.99 min Scan# 3985  
 Delta R.T. 0.00 min  
 Lab File: VU028597.D  
 Acq: 11 Dec 2018 10:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW303I2-20181207MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 48.2  | 144.6 |
| 145     | 30.9  | 15.8  | 47.3  |

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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

