

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\  
 Data File : VU028598.D  
 Acq On : 11 Dec 2018 10:54  
 Operator : MD/SY  
 Sample : J6314-14MSD  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 55 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

MMDadoda  
 12/11/2018 3:02:58 PM

Quant Time: Dec 11 13:28:49 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  | 87517    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 159277   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 149364   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 71113    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65   | 73873    | 55.31 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 110.62% |          |
| 35) Dibromofluoromethane    | 4.88   | 113  | 53505    | 53.38 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 106.76% |          |
| 50) Toluene-d8              | 7.57   | 98   | 210650   | 53.13 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 106.26% |          |
| 62) 4-Bromofluorobenzene    | 10.31  | 95   | 78277    | 52.82 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 105.64% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85   | 58106    | 49.534  | ug/l  | 100    |
| 3) Chloromethane              | 1.33 | 50   | 109048   | 50.564  | ug/l  | 100    |
| 4) Vinyl Chloride             | 1.40 | 62   | 81023    | 52.059  | ug/l  | 100    |
| 5) Bromomethane               | 1.60 | 94   | 31673    | 50.520  | ug/l  | 99     |
| 6) Chloroethane               | 1.68 | 64   | 45185    | 51.283  | ug/l  | 98     |
| 7) Trichlorofluoromethane     | 1.88 | 101  | 81716    | 49.904  | ug/l  | 99     |
| 8) Diethyl Ether              | 2.10 | 74   | 37876    | 49.440  | ug/l  | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101  | 45837    | 46.805  | ug/l  | 97     |
| 10) Methyl Iodide             | 2.41 | 142  | 48663    | 63.329  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 2.83 | 59   | 83121    | 279.343 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96   | 48513    | 49.788  | ug/l  | 98     |
| 13) Acrolein                  | 2.19 | 56   | 57083    | 240.642 | ug/l  | 99     |
| 14) Allyl chloride            | 2.59 | 41   | 109401   | 47.460  | ug/l  | 98     |
| 15) Acrylonitrile             | 2.94 | 53   | 227828   | 275.782 | ug/l  | 100    |
| 16) Acetone                   | 2.32 | 43   | 183205   | 210.213 | ug/l  | 100    |
| 17) Carbon Disulfide          | 2.47 | 76   | 167951   | 47.845  | ug/l  | 100    |
| 18) Methyl Acetate            | 2.61 | 43   | 120868   | 53.500  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73   | 193076   | 52.270  | ug/l  | 99     |
| 20) Methylene Chloride        | 2.70 | 84   | 62102    | 48.338  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96   | 54767    | 49.920  | ug/l  | 98     |
| 22) Diisopropyl ether         | 3.57 | 45   | 240176   | 53.579  | ug/l  | 97     |
| 23) Vinyl Acetate             | 3.52 | 43   | 929446   | 251.372 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 3.44 | 63   | 119926   | 51.109  | ug/l  | 99     |
| 25) 2-Butanone                | 4.26 | 43   | 309807   | 260.120 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 4.23 | 77   | 64958    | 34.938  | ug/l  | 97     |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96   | 63492    | 51.131  | ug/l  | 96     |
| 28) Bromochloromethane        | 4.55 | 49   | 60146    | 56.384  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 4.64 | 42   | 215437   | 281.647 | ug/l  | 99     |
| 30) Chloroform                | 4.67 | 83   | 107744   | 52.684  | ug/l  | 96     |
| 31) Cyclohexane               | 4.99 | 56   | 111684   | 48.744  | ug/l  | 100    |
| 32) 1,1,1-Trichloroethane     | 4.91 | 97   | 88834    | 52.301  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 5.13 | 75   | 83820    | 48.091  | ug/l  | 100    |
| 37) Ethyl Acetate             | 4.38 | 43   | 110787   | 49.171  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 5.13 | 117  | 69340    | 49.359  | ug/l  | 99     |

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 Misc : 5.0mL/MSVOA U/WATER  
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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW303I2-20181207MSD

Manual Integrations  
 APPROVED

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 12/11/2018 3:02:58 PM

Quant Time: Dec 11 13:28:49 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   | 91474    | 43.019   | ug/l   | 99       |
| 40) Benzene                    | 5.39  | 78   | 258116   | 50.282   | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.54  | 41   | 68181    | 55.256   | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 90341    | 50.277   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 182576   | 51.232   | ug/l   | 100      |
| 44) Trichloroethene            | 6.18  | 130  | 58422    | 51.185   | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 74794    | 51.813   | ug/l   | 97       |
| 46) Dibromomethane             | 6.56  | 93   | 44018    | 51.393   | ug/l   | 99       |
| 47) Bromodichloromethane       | 6.76  | 83   | 84105    | 50.462   | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 95559    | 53.919   | ug/l   | 100      |
| 49) 1,4-Dioxane                | 6.61  | 88   | 29034    | 1037.542 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 606511   | 269.837  | ug/l   | 100      |
| 52) Toluene                    | 7.64  | 92   | 148762   | 49.241   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 95623    | 48.173   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 102011   | 47.368   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.06  | 97   | 61269    | 51.305   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 109460   | 53.525   | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 112797   | 50.882   | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.36  | 43   | 467136   | 262.209  | ug/l   | 100      |
| 60) Dibromochloromethane       | 8.48  | 129  | 59036    | 50.492   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 65091    | 51.976   | ug/l   | 97       |
| 64) Tetrachloroethene          | 8.22  | 164  | 47188    | 47.364   | ug/l   | 97       |
| 65) Chlorobenzene              | 9.12  | 112  | 158591   | 49.827   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 53750    | 52.884   | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.25  | 91   | 288652   | 49.334   | ug/l   | 100      |
| 68) m/p-Xylenes                | 9.37  | 106  | 209270   | 98.294   | ug/l   | 98       |
| 69) o-Xylene                   | 9.78  | 106  | 105808   | 51.140   | ug/l   | 99       |
| 70) Stvrene                    | 9.79  | 104  | 172839   | 50.479   | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 45695    | 52.850   | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.16 | 105  | 272737   | 49.982   | ug/l   | 100      |
| 74) N-amyl acetate             | 10.01 | 43   | 158159   | 50.247   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 114252   | 54.505   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 105187m  | 57.926   | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 64940    | 50.886   | ug/l   | 99       |
| 78) n-propylbenzene            | 10.58 | 91   | 332145   | 48.985   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 198491   | 50.820   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 229202   | 50.743   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 37741m   | 51.089   | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 225879   | 48.803   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.10 | 119  | 223840   | 51.414   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 236515   | 50.808   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 276174   | 49.378   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 230005   | 48.410   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.41 | 146  | 118104   | 49.010   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 11.50 | 146  | 120910   | 48.496   | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 220289   | 45.814   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.14 | 117  | 36133    | 50.316   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 120742   | 50.091   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 25399    | 55.967   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene     | 13.50 | 180  | 77381    | 46.772   | ug/l   | 99       |

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Sample : J6314-14MSD  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 55 Sample Multiplier: 1

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

Manual Integrations  
APPROVED

MMDadoda  
12/11/2018 3:02:58 PM

Quant Time: Dec 11 13:28:49 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  | 34387    | 43.551 | ug/l  | 97       |
| 95) Naphthalene            | 13.74 | 128  | 286291   | 49.495 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 80262    | 48.691 | ug/l  | 99       |

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

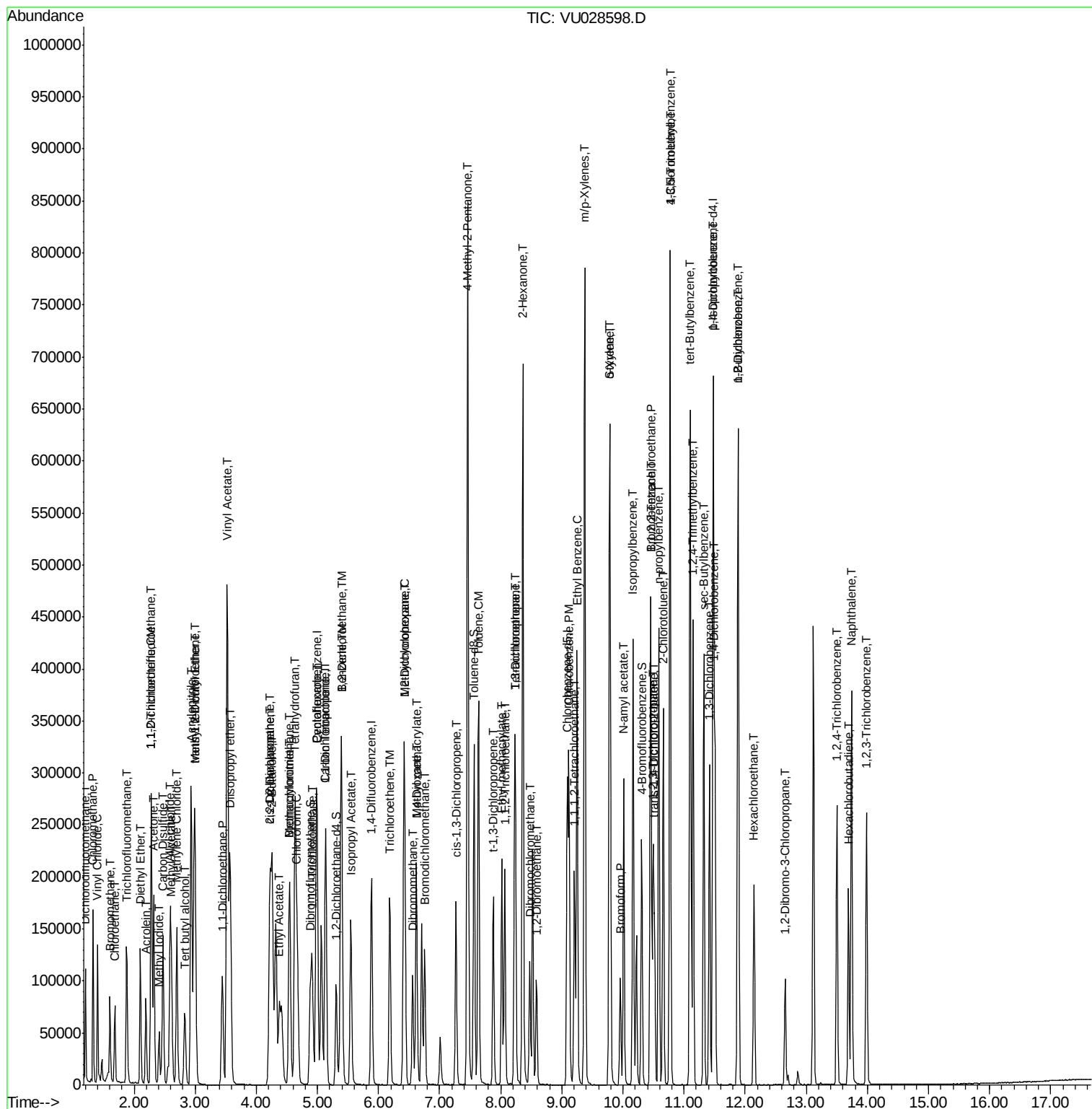
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Data File : VU028598.D  
Acq On : 11 Dec 2018 10:54  
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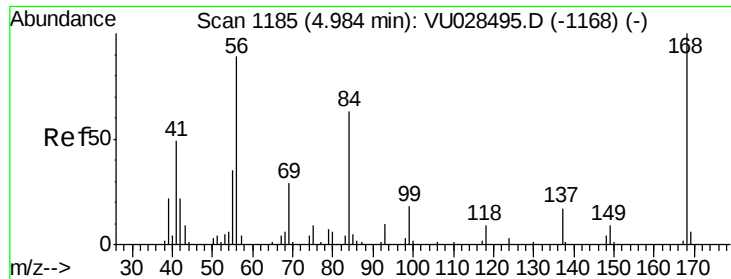
Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW303I2-20181207MSD

Manual Integrations  
APPROVED

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12/11/2018 3:02:58 PM

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Quant Title : SW846 8260  
QLast Update : Fri Dec 07 00:39:42 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

Tot Ion:168 Resp: 87517

Ion Ratio Lower Upper

168 100

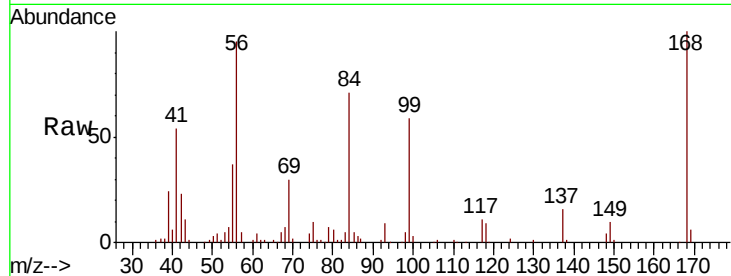
99 58.6 46.6 69.8

Manual Integrations

APPROVED

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12/11/2018 3:02:58 PM



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

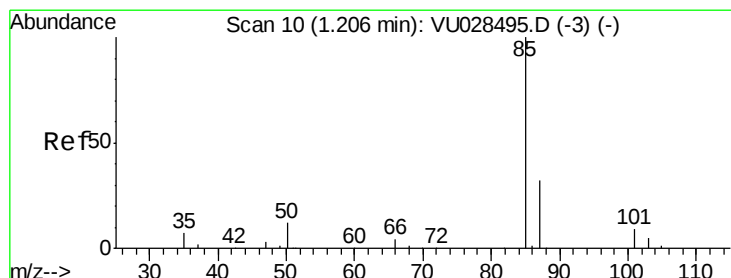
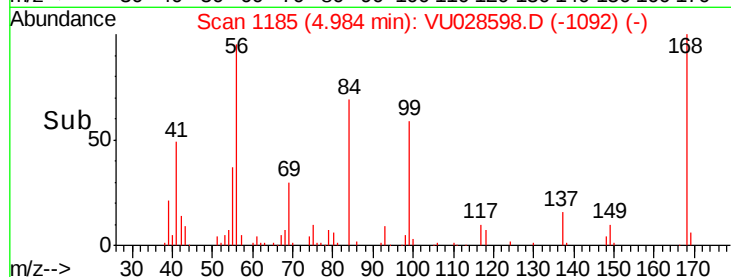
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.534 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028598.D

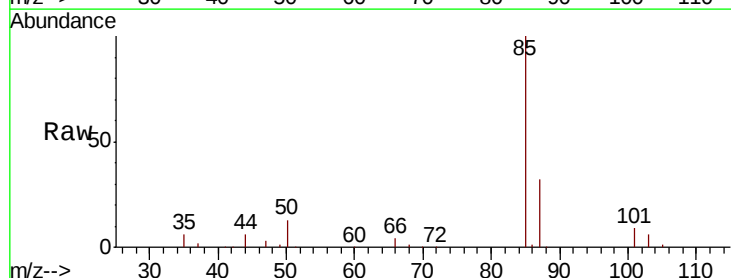
Acq: 11 Dec 2018 10:54

Tgt Ion: 85 Resp: 58106

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

60000

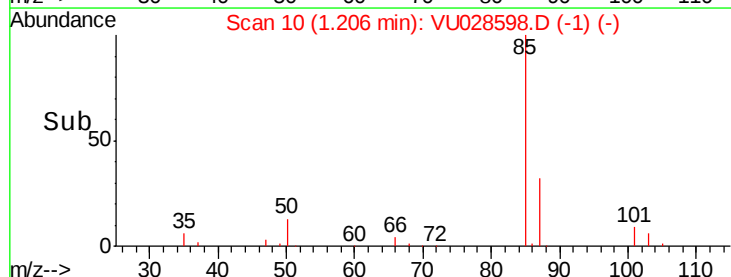
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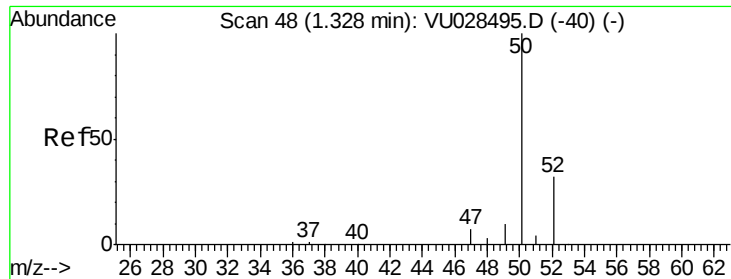
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1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 50.564 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

Tot Ion: 50 Resp: 109048

Ion Ratio Lower Upper

50 100

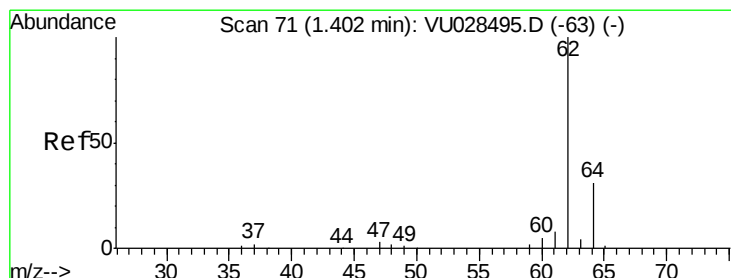
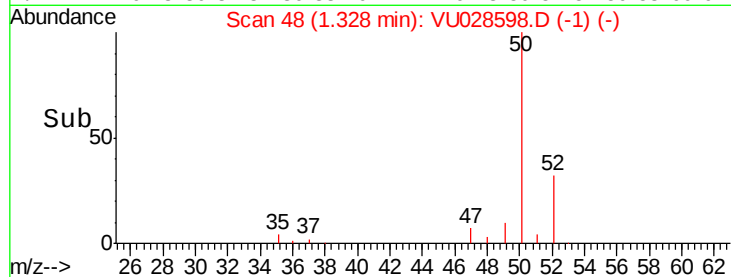
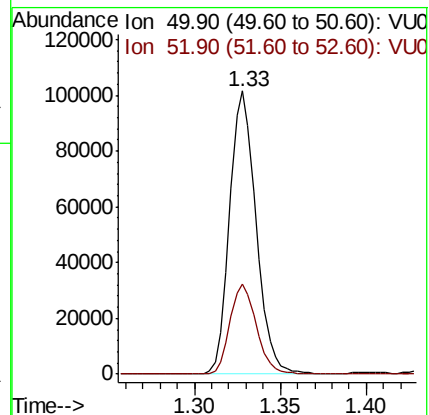
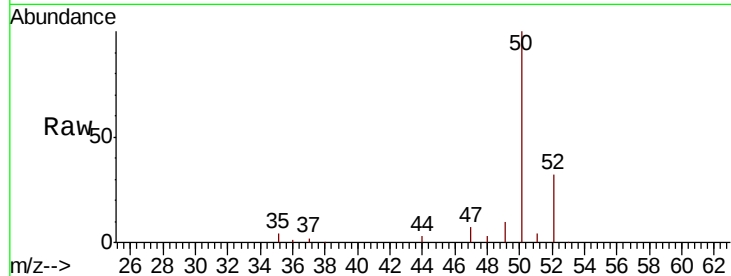
52 31.7 25.5 38.3

Manual Integrations

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12/11/2018 3:02:58 PM



#4

Vinyl Chloride

Concen: 52.059 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028598.D

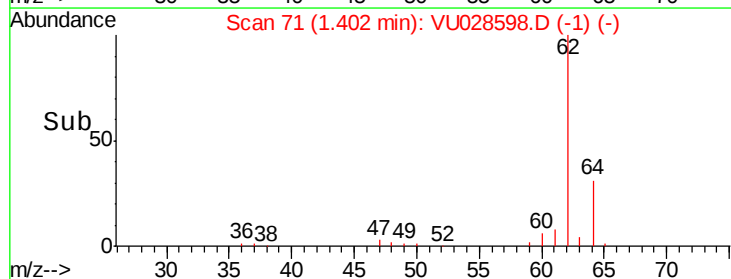
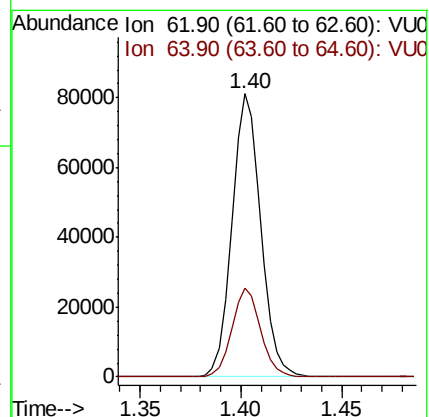
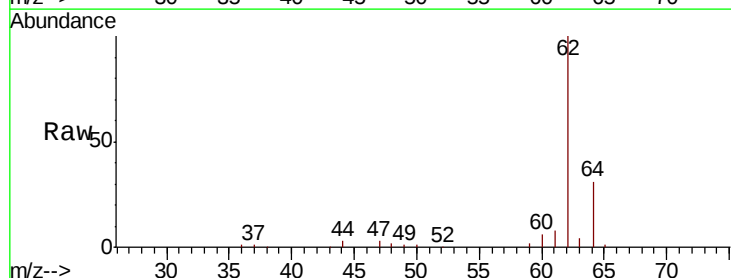
Acq: 11 Dec 2018 10:54

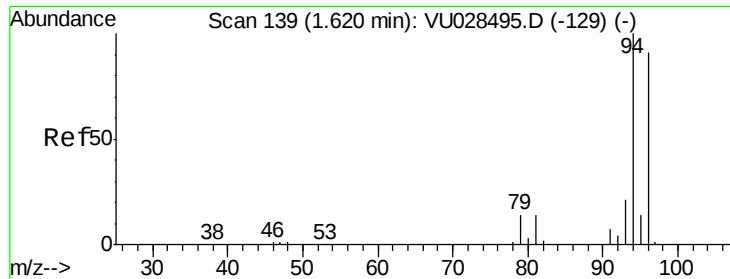
Tgt Ion: 62 Resp: 81023

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7





#5

Bromomethane

Concen: 50.520 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW30312-20181207MSD

Tot Ion: 94 Resp: 31673

Ion Ratio Lower Upper

94 100

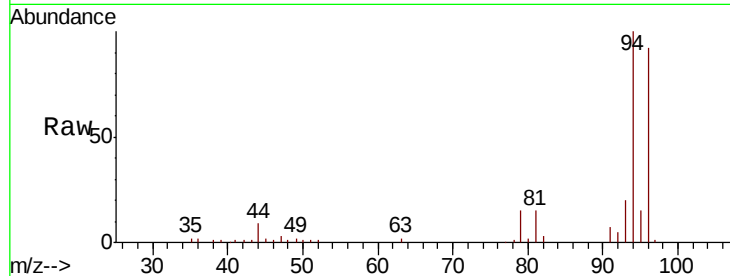
96 92.4 73.2 109.8

Manual Integrations

APPROVED

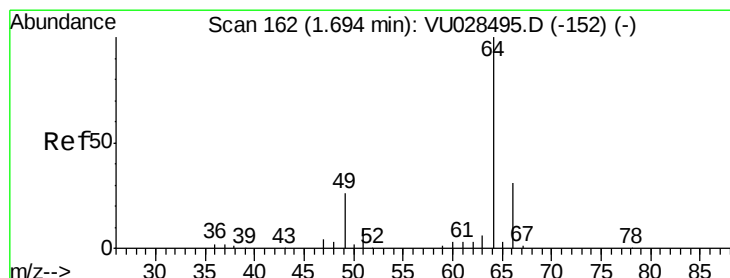
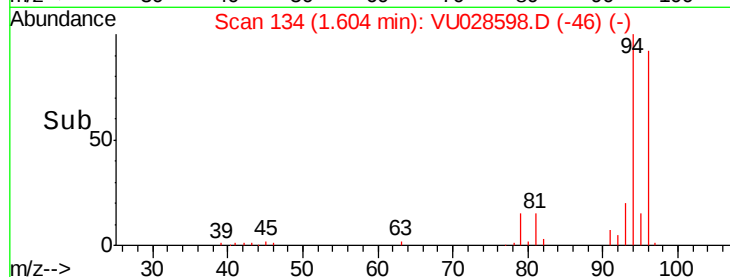
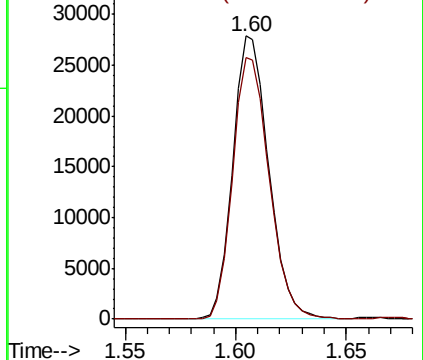
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 51.283 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028598.D

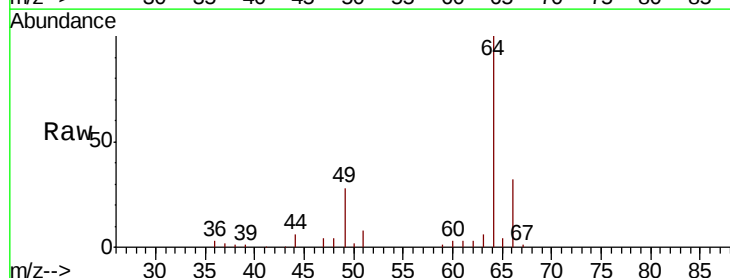
Acq: 11 Dec 2018 10:54

Tgt Ion: 64 Resp: 45185

Ion Ratio Lower Upper

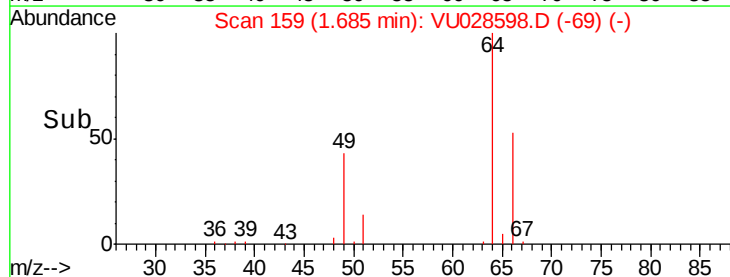
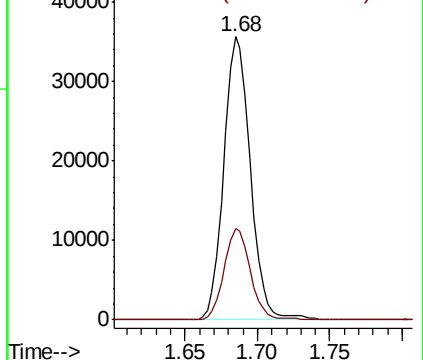
64 100

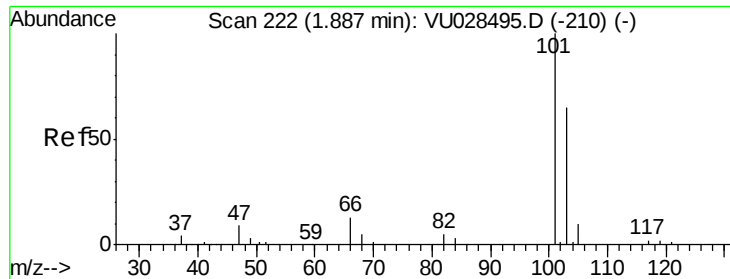
66 32.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

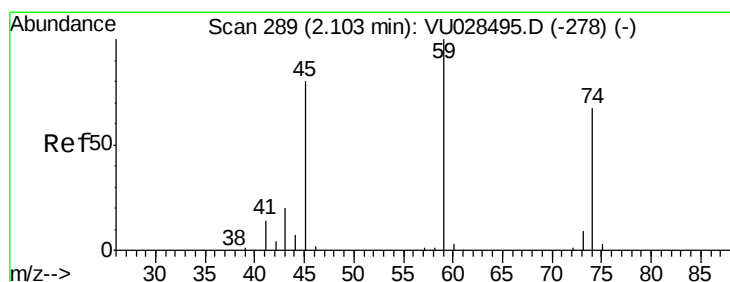
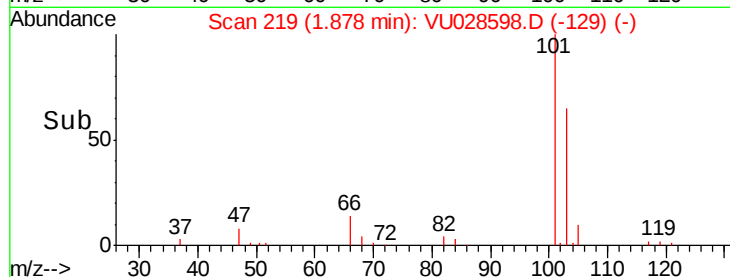
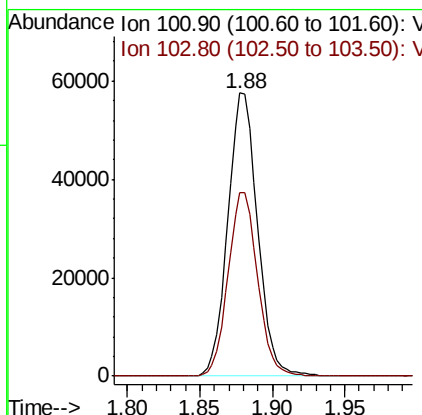
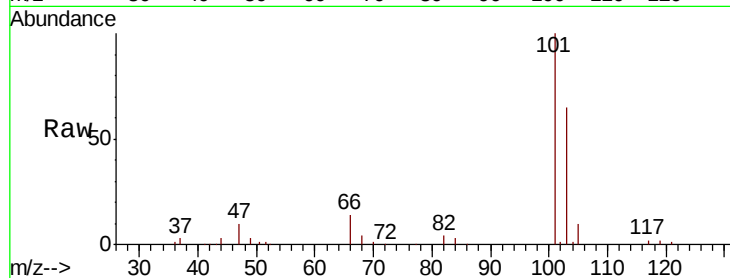
Trichlorofluoromethane  
Concen: 49.904 ug/l  
RT: 1.88 min Scan# 219  
Delta R.T. -0.01 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

Tot Ion:101 Resp: 81716  
Ion Ratio Lower Upper  
101 100  
103 64.9 52.3 78.5

Manual Integrations  
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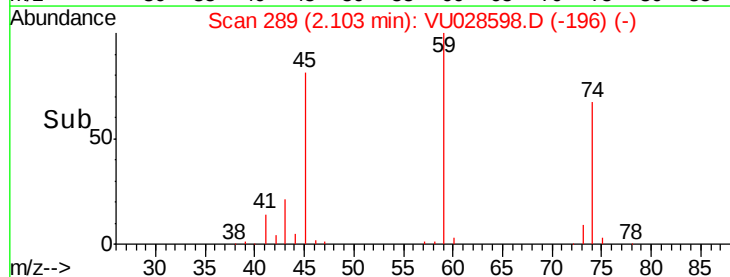
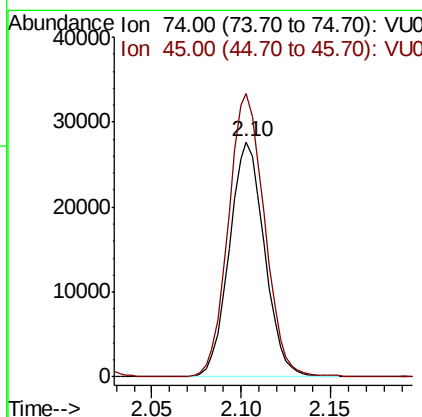
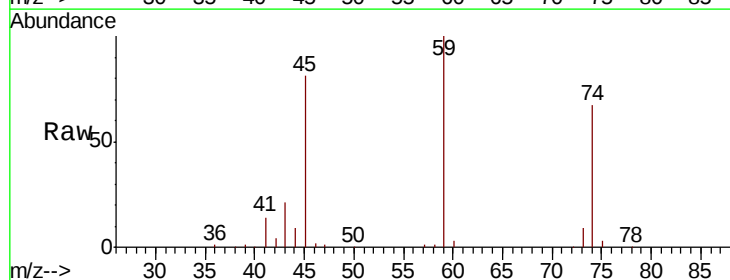
MMDadoda  
12/11/2018 3:02:58 PM

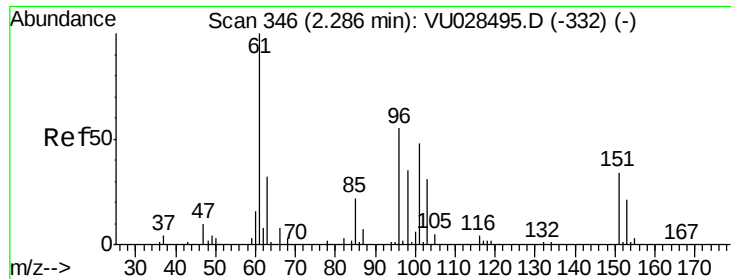


#8

Diethyl Ether  
Concen: 49.440 ug/l  
RT: 2.10 min Scan# 289  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

Tgt Ion: 74 Resp: 37876  
Ion Ratio Lower Upper  
74 100  
45 124.1 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.805 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

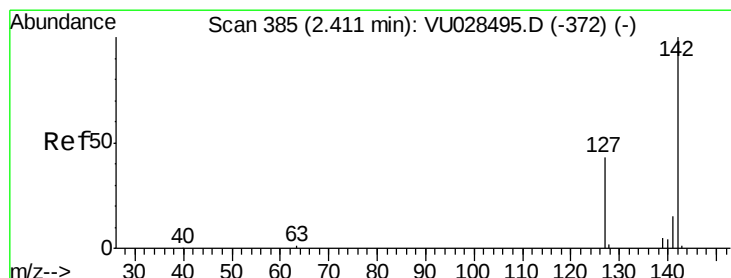
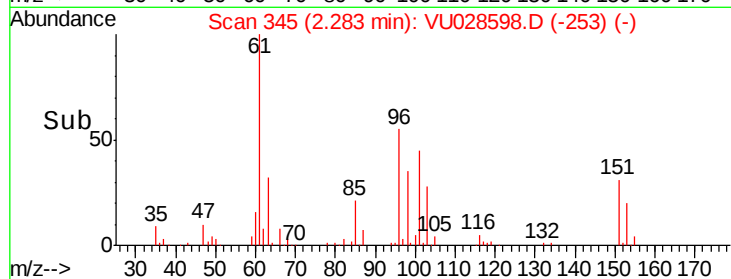
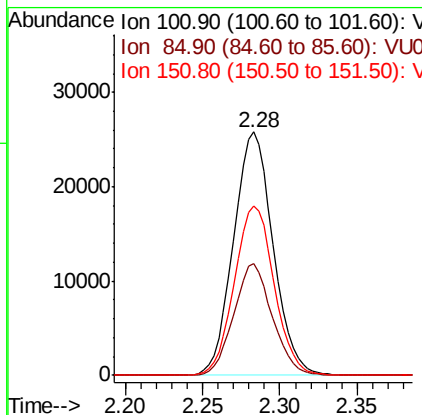
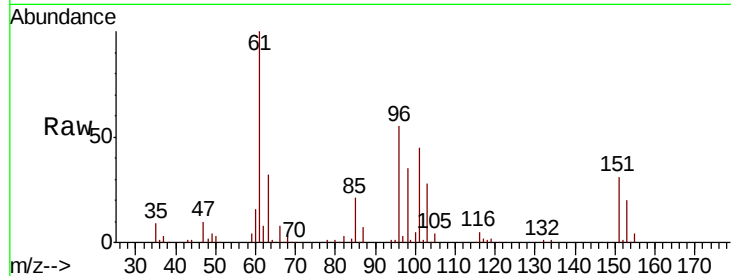
ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 45837 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.5  | 36.4  | 54.6  |
| 151       | 70.0  | 58.2  | 87.2  |

Manual Integrations  
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MMDadoda  
12/11/2018 3:02:58 PM



#10

Methyl Iodide

Concen: 63.329 ug/l

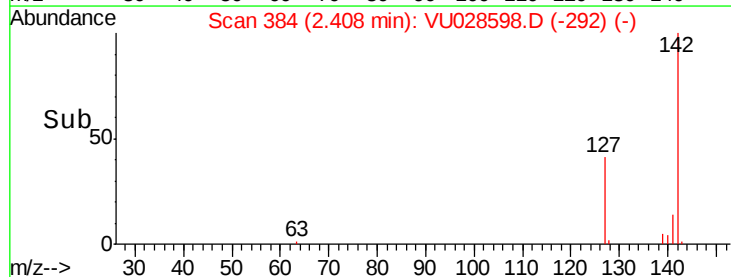
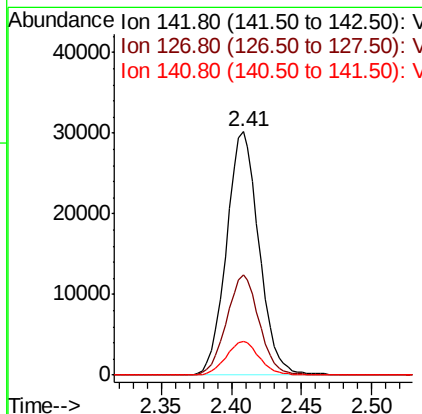
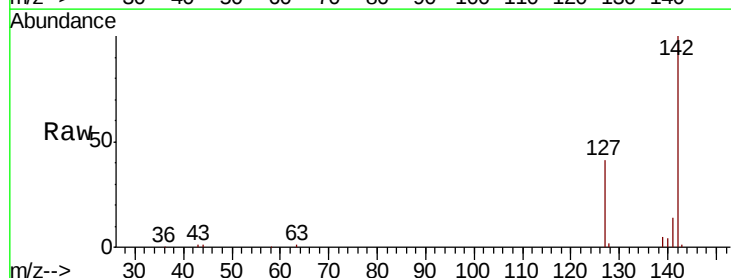
RT: 2.41 min Scan# 384

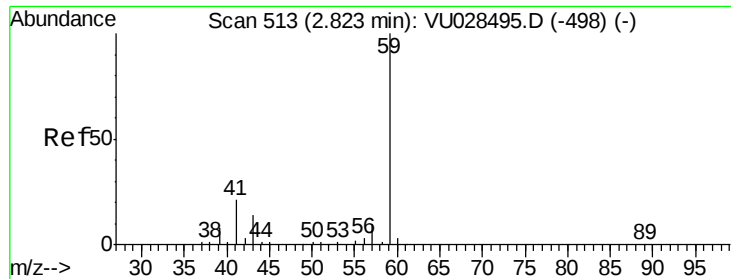
Delta R.T. -0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 48663 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.2  | 33.5  | 50.3  |
| 141       | 13.9  | 11.2  | 16.8  |





#11

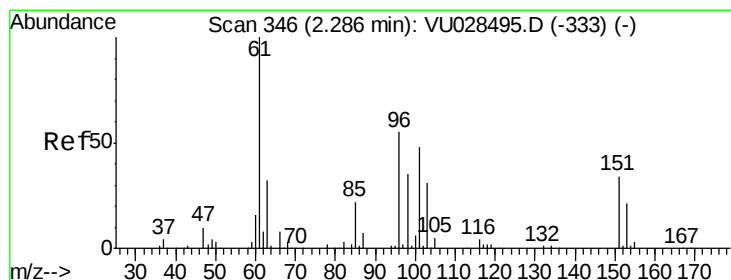
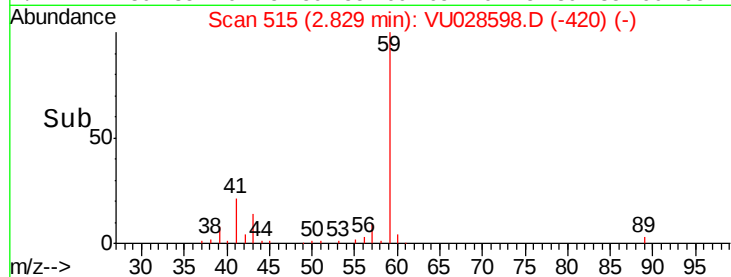
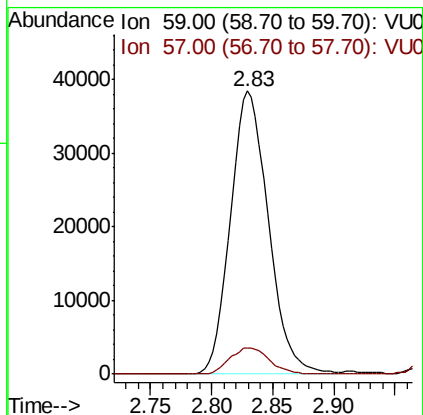
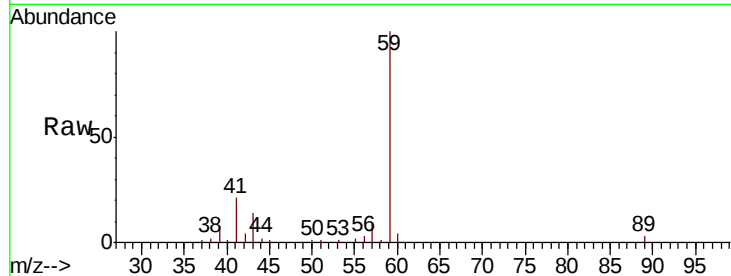
Tert butyl alcohol  
 Concen: 279.343 ug/l  
 RT: 2.83 min Scan# 515  
 Delta R.T. 0.01 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.7   | 8.0   | 12.0  |

Manual Integrations  
 APPROVED

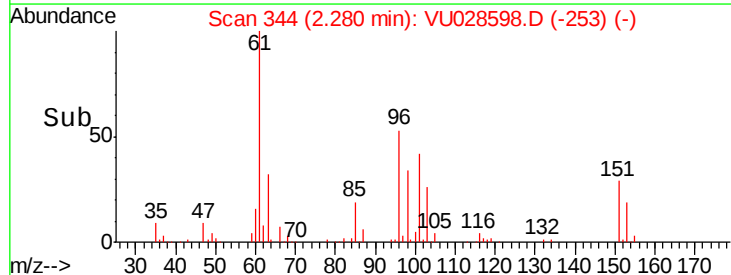
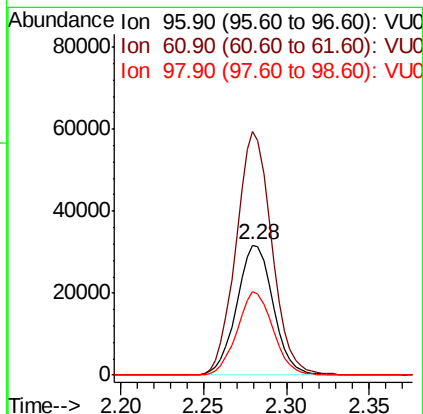
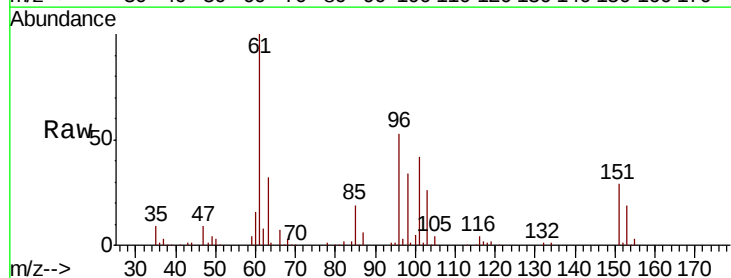
MMDadoda  
 12/11/2018 3:02:58 PM

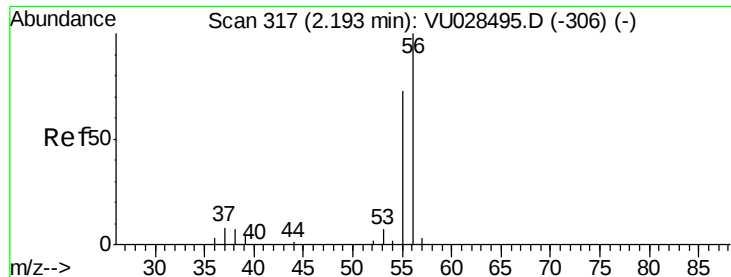


#12

1,1-Dichloroethene  
 Concen: 49.788 ug/l  
 RT: 2.28 min Scan# 344  
 Delta R.T. -0.01 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 187.2 | 146.4 | 219.6 |
| 98      | 64.1  | 51.8  | 77.8  |





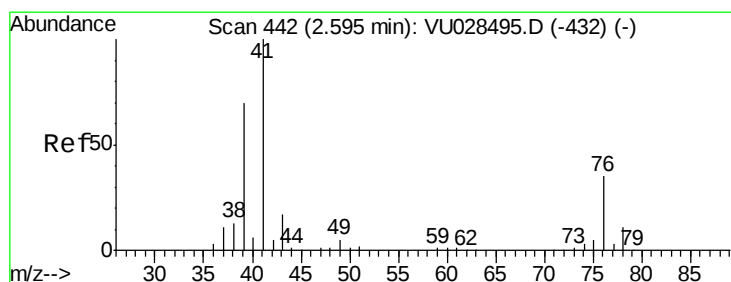
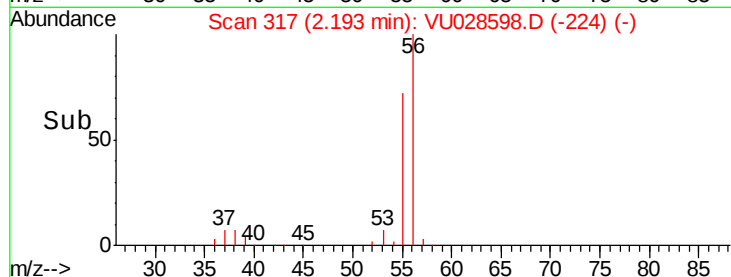
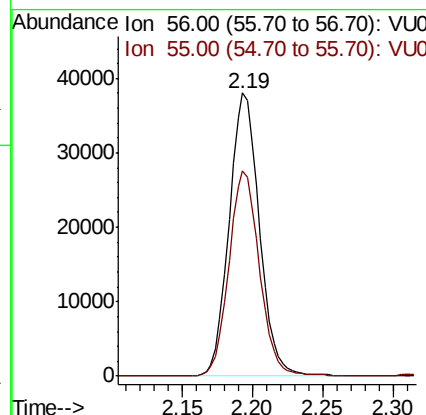
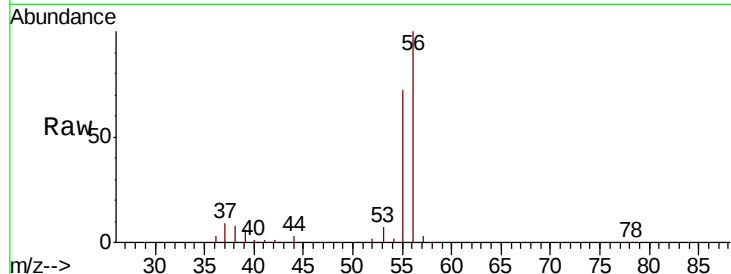
#13  
Acrolein  
Concen: 240.642 ug/l  
RT: 2.19 min Scan# 317  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 72.9  | 57.5  | 86.3  |

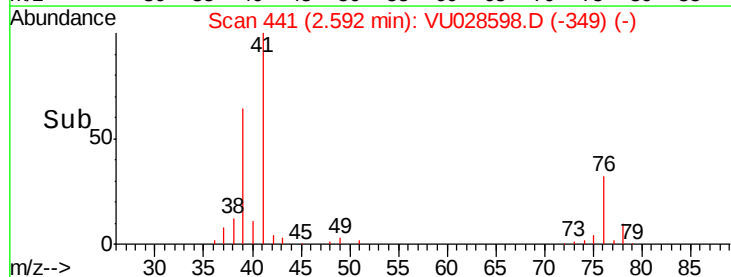
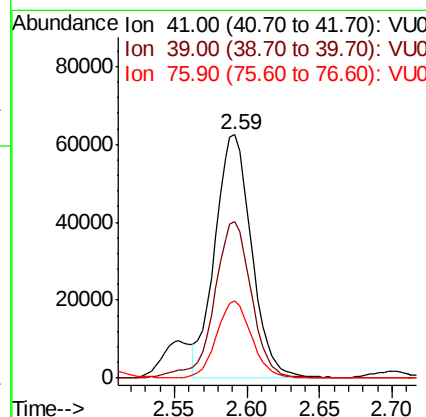
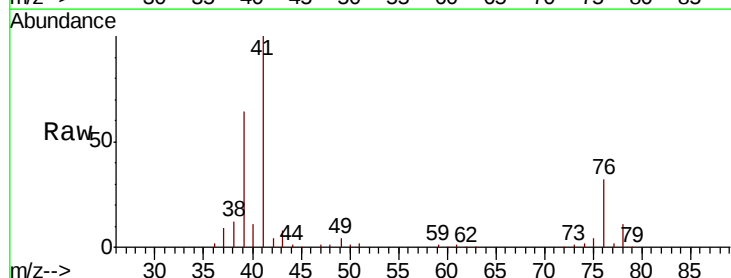
Manual Integrations  
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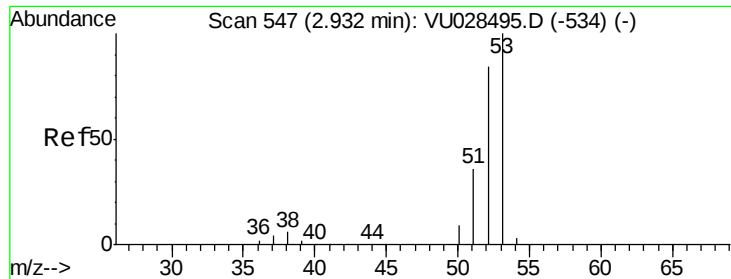
MMDadoda  
12/11/2018 3:02:58 PM



#14  
Allyl chloride  
Concen: 47.460 ug/l  
RT: 2.59 min Scan# 441  
Delta R.T. -0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 65.6  | 50.8  | 76.2  |
| 76      | 30.2  | 24.8  | 37.2  |





#15

Acrylonitrile

Concen: 275.782 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

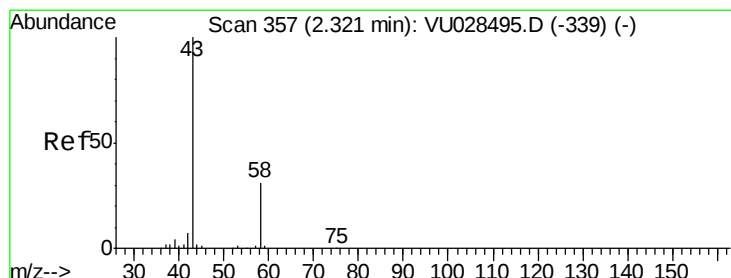
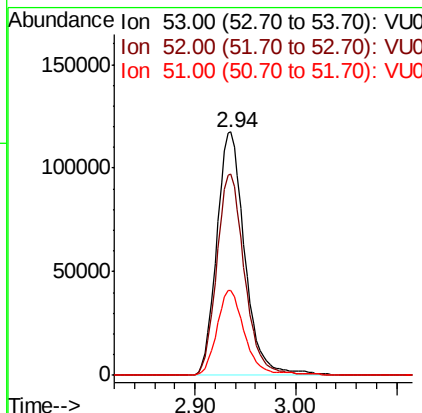
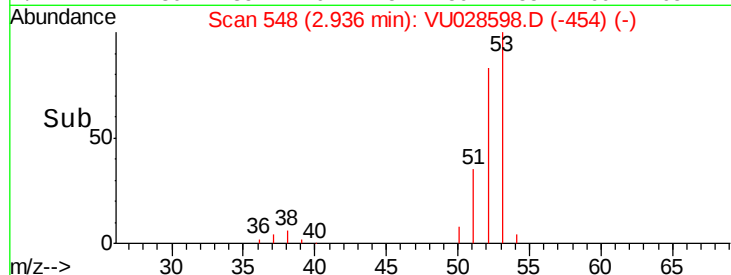
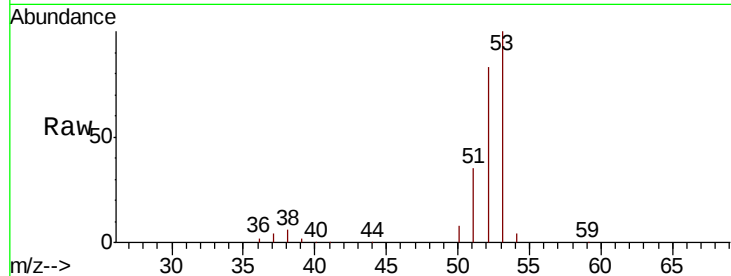
ClientSampleId :

BPS1-TT-MW30312-20181207MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 227828 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.4  | 66.1  | 99.1   |
| 51       | 35.0  | 28.1  | 42.1   |

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MMDadoda  
12/11/2018 3:02:58 PM



#16

Acetone

Concen: 210.213 ug/l

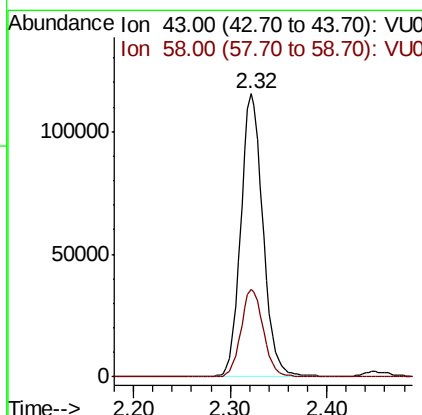
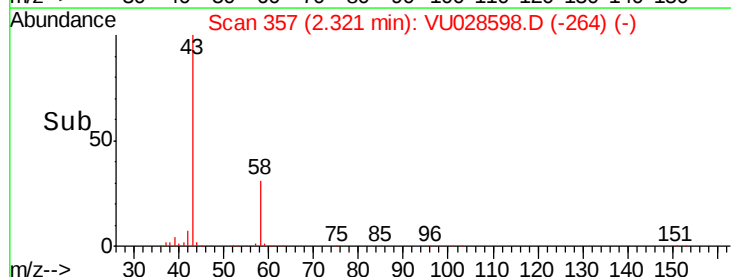
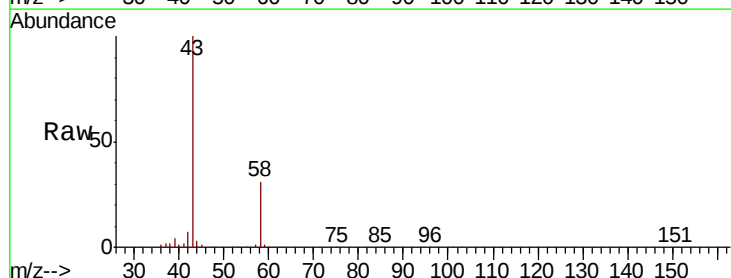
RT: 2.32 min Scan# 357

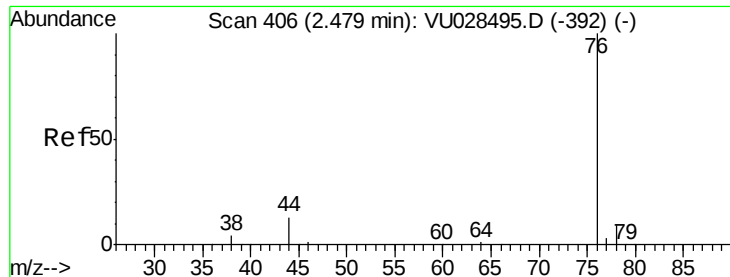
Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 183205 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.8  | 24.6  | 37.0   |





#17

Carbon Disulfide

Concen: 47.845 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

Tot Ion: 76 Resp: 167951

Ion Ratio Lower Upper

76 100

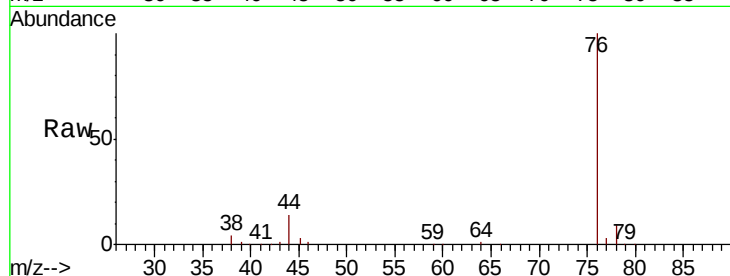
78 8.8 7.2 10.8

Manual Integrations

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12/11/2018 3:02:58 PM



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU028598.D (-313) (-)

2.47

120000

100000

80000

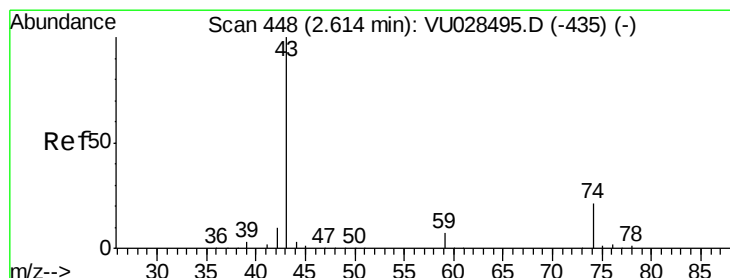
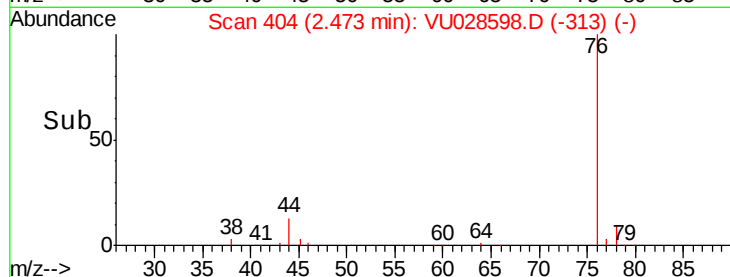
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 53.500 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU028598.D

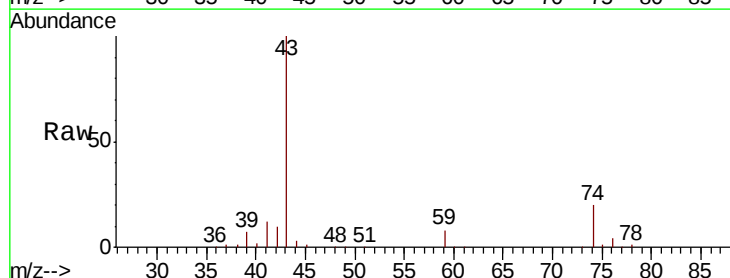
Acq: 11 Dec 2018 10:54

Tgt Ion: 43 Resp: 120868

Ion Ratio Lower Upper

43 100

74 19.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028598.D (-355) (-)

2.61

80000

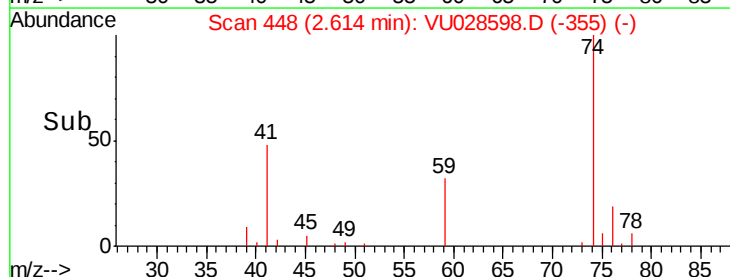
60000

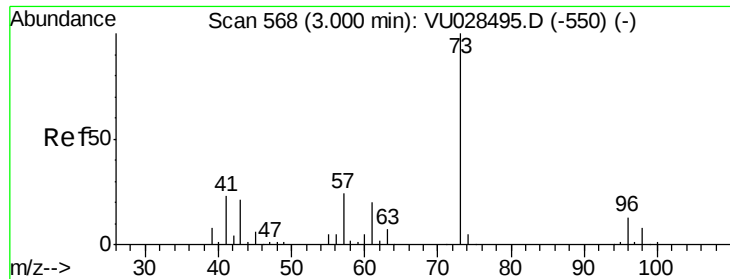
40000

20000

0

Time-->





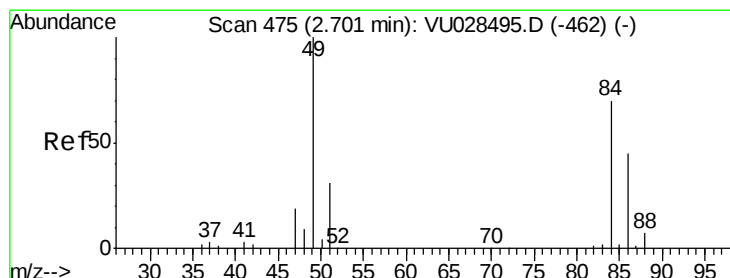
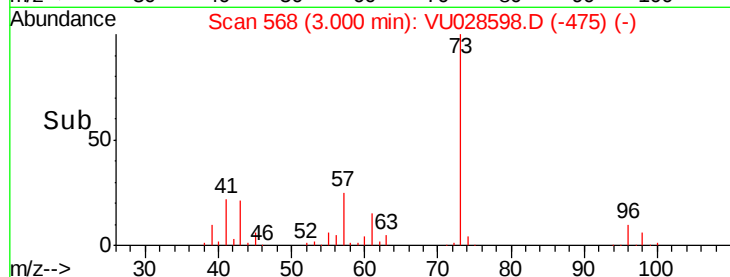
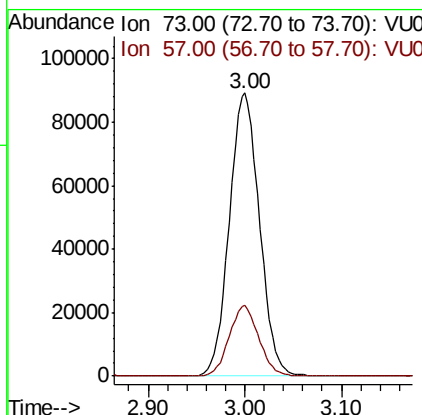
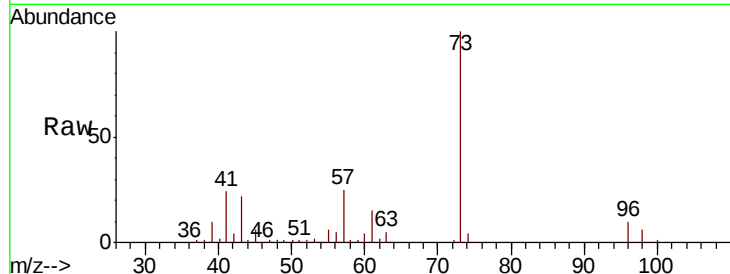
#19  
Methvl tert-butvl Ether  
Concen: 52.270 ug/l  
RT: 3.00 min Scan# 568  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

Tot Ion: 73 Resp: 193076  
Ion Ratio Lower Upper  
73 100  
57 24.8 19.4 29.2

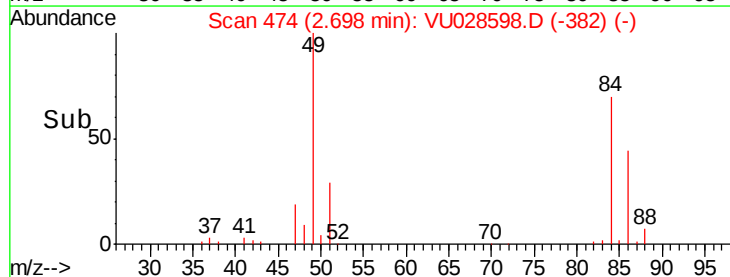
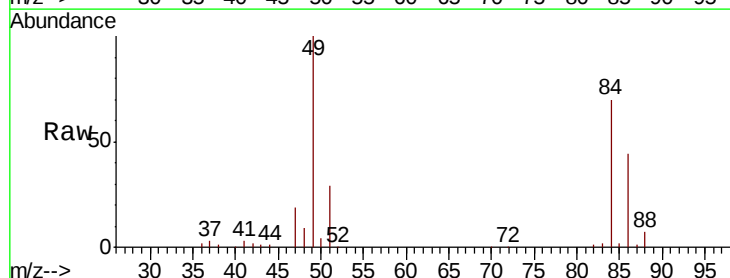
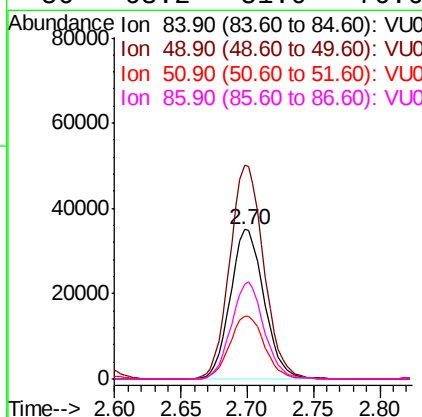
Manual Integrations  
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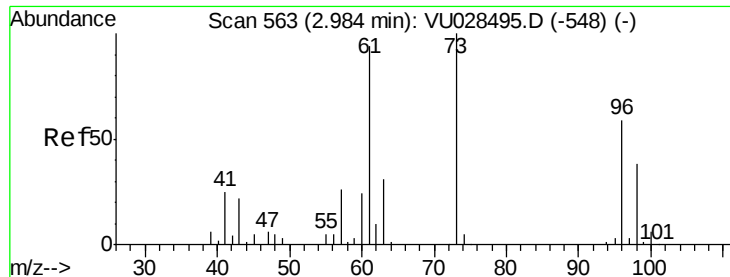
MMDadoda  
12/11/2018 3:02:58 PM



#20  
Methylene Chloride  
Concen: 48.338 ug/l  
RT: 2.70 min Scan# 474  
Delta R.T. -0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

Tgt Ion: 84 Resp: 62102  
Ion Ratio Lower Upper  
84 100  
49 143.1 114.0 171.0  
51 42.0 35.1 52.7  
86 63.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.920 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

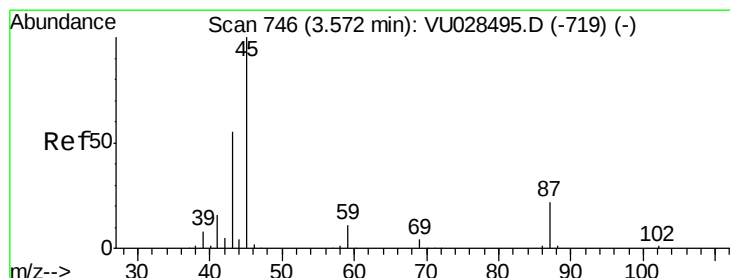
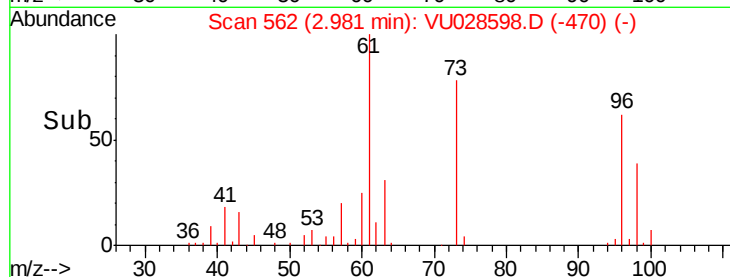
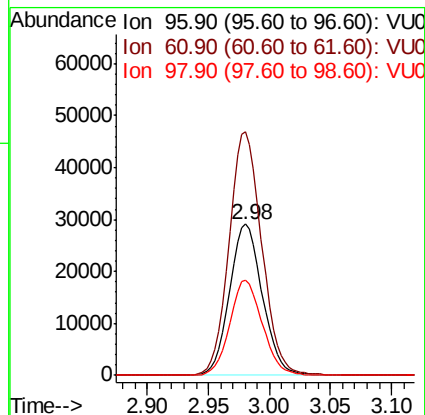
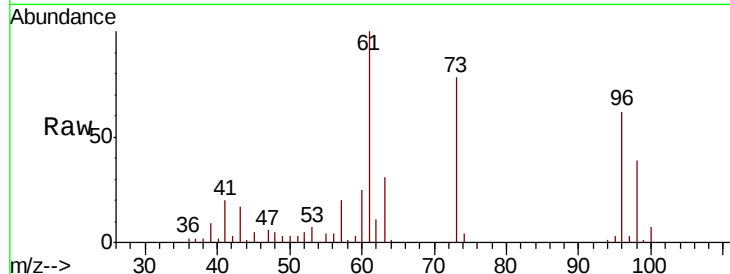
ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 54767 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 160.9 | 127.0 | 190.4 |
| 98       | 63.3  | 51.9  | 77.9  |

Manual Integrations  
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MMDadoda  
12/11/2018 3:02:58 PM



#22

Diisopropyl ether

Concen: 53.579 ug/l

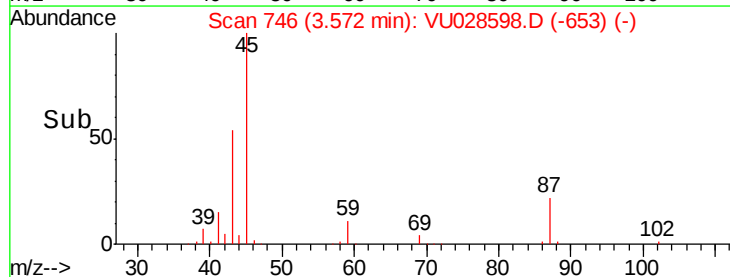
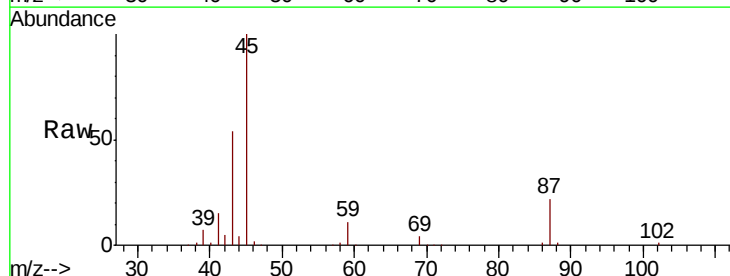
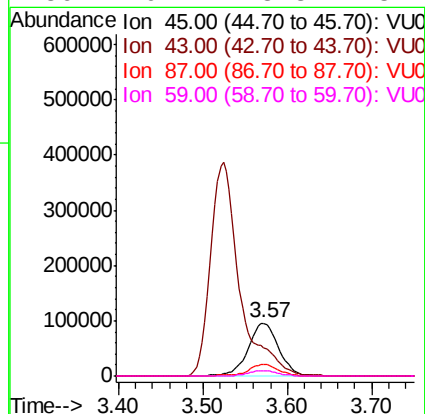
RT: 3.57 min Scan# 746

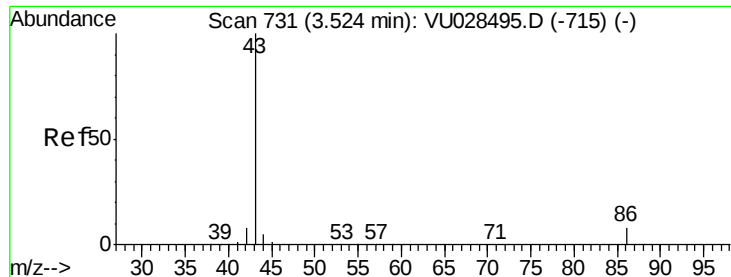
Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 240176 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 53.7  | 45.3  | 67.9   |
| 87       | 21.8  | 17.6  | 26.4   |
| 59       | 10.7  | 8.8   | 13.2   |





#23

Vinyl Acetate

Concen: 251.372 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW30312-20181207MSD

Tot Ion: 43 Resp: 929446

Ion Ratio Lower Upper

43 100

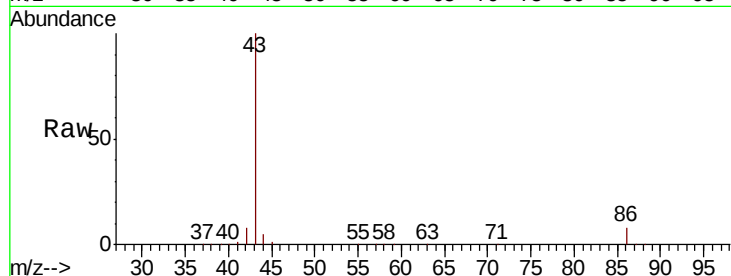
86 8.2 6.8 10.2

Manual Integrations

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

Ion 86.00 (85.70 to 86.70): VU028495.D

3.52

400000

300000

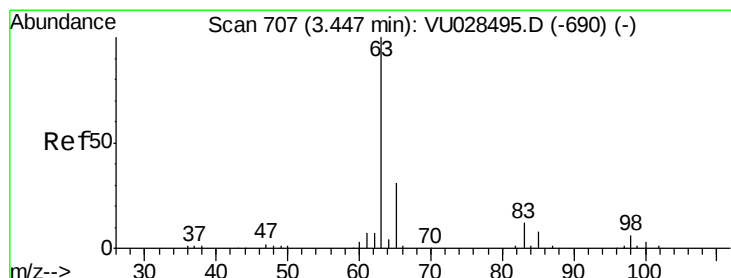
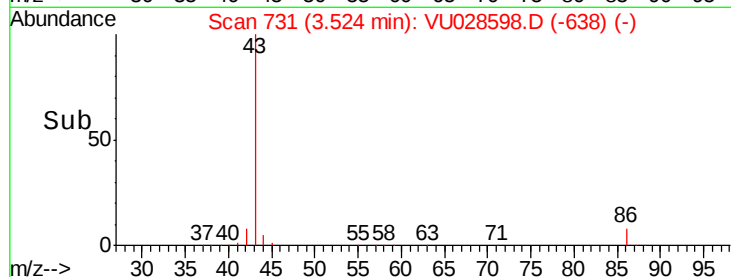
200000

100000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 51.109 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

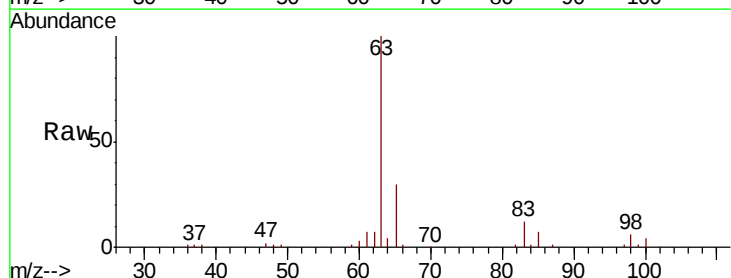
Tgt Ion: 63 Resp: 119926

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.7 1.7 5.1



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

Ion 97.90 (97.60 to 98.60): VU028495.D

Ion 99.90 (99.60 to 100.60): VU028495.D

3.44

60000

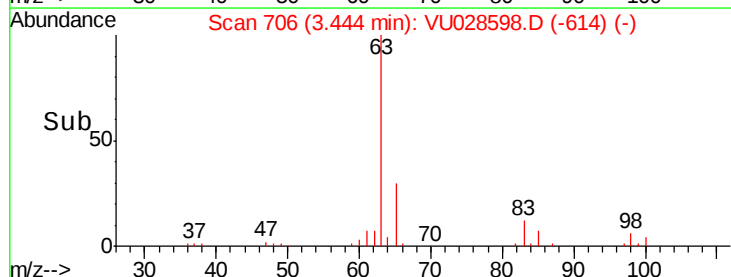
40000

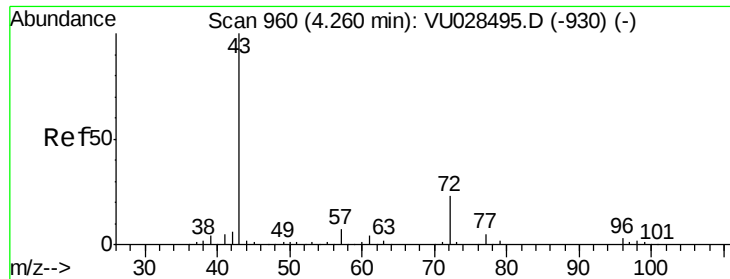
20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 260.120 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

Tot Ion: 43 Resp: 309807

Ion Ratio Lower Upper

43 100

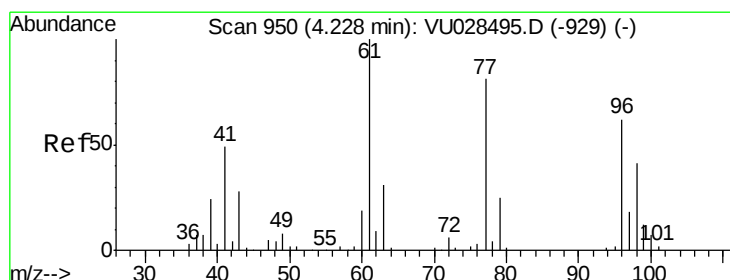
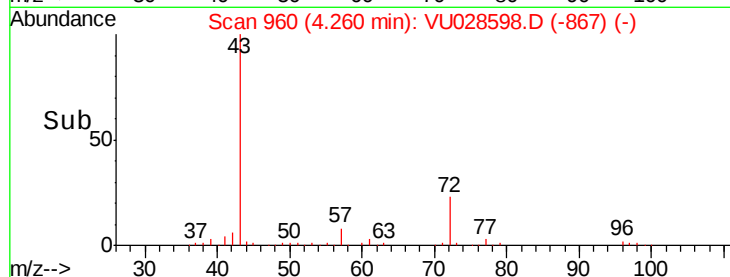
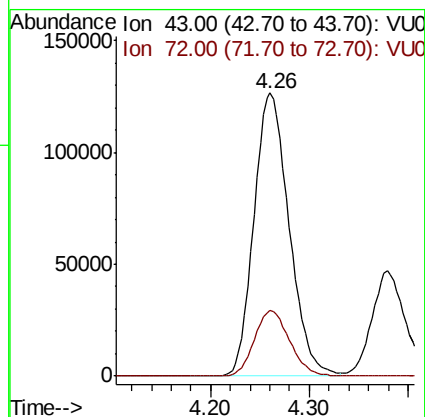
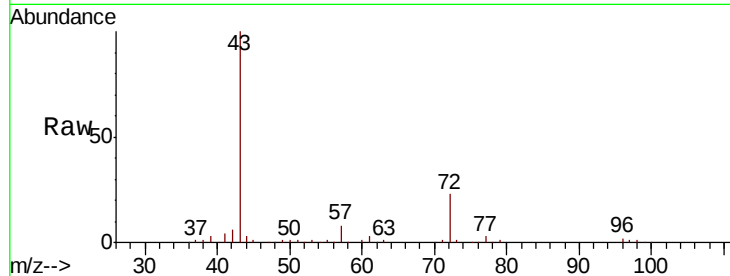
72 23.2 18.6 28.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 34.938 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028598.D

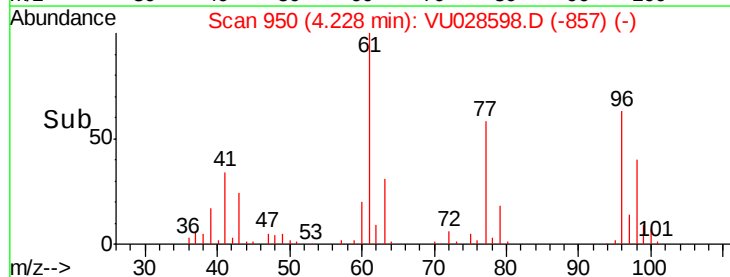
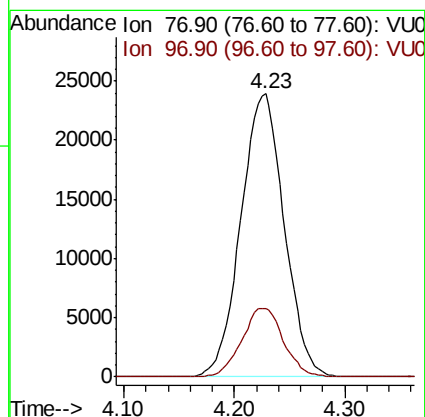
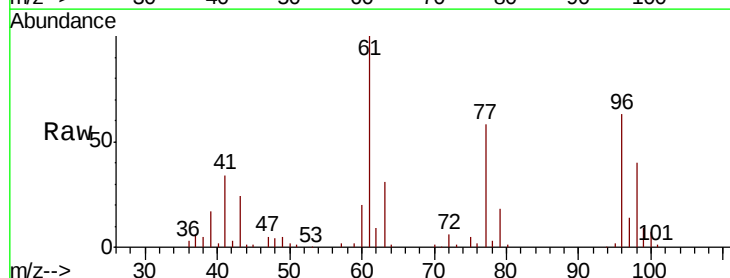
Acq: 11 Dec 2018 10:54

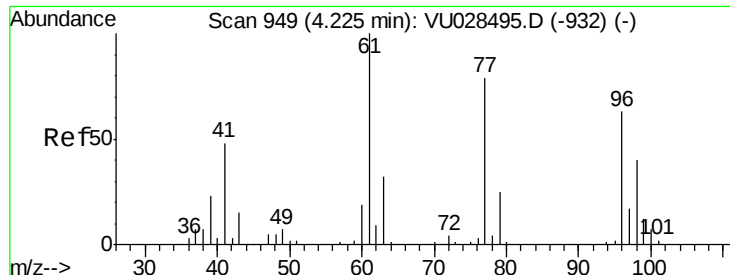
Tgt Ion: 77 Resp: 64958

Ion Ratio Lower Upper

77 100

97 23.2 11.0 33.0





#27

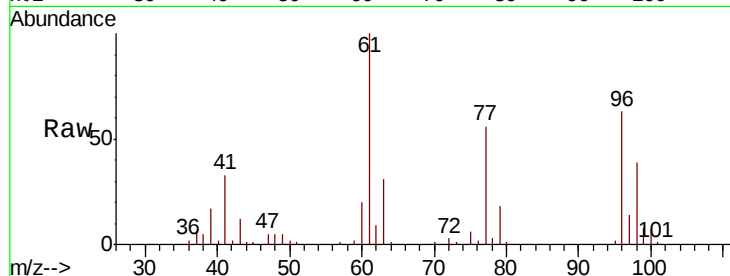
cis-1,2-Dichloroethene  
Concen: 51.131 ug/l  
RT: 4.22 min Scan# 949  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

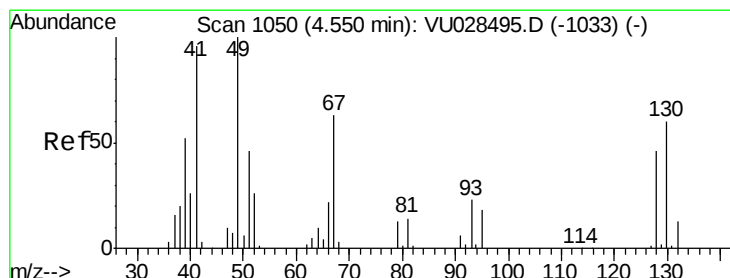
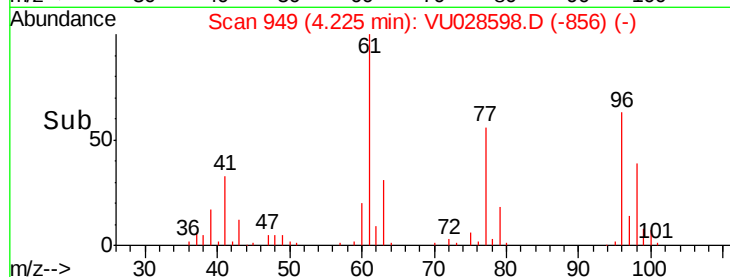
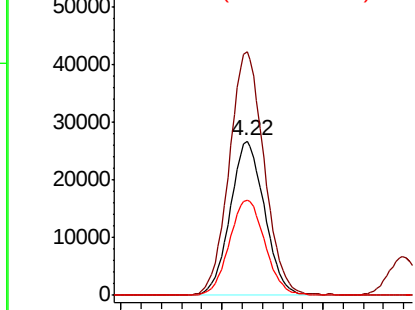
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 160.0 | 0.0   | 332.4 |
| 98      | 63.7  | 0.0   | 129.0 |

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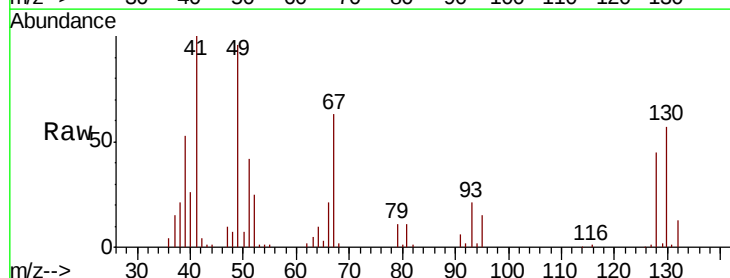
Abundance Ion 95.90 (95.60 to 96.60): VU0  
Ion 60.90 (60.60 to 61.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0



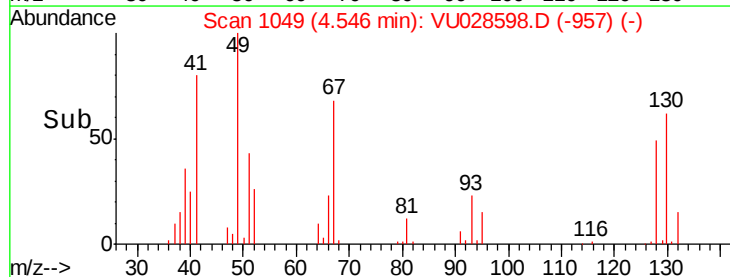
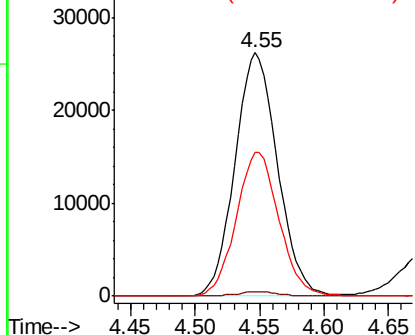
#28

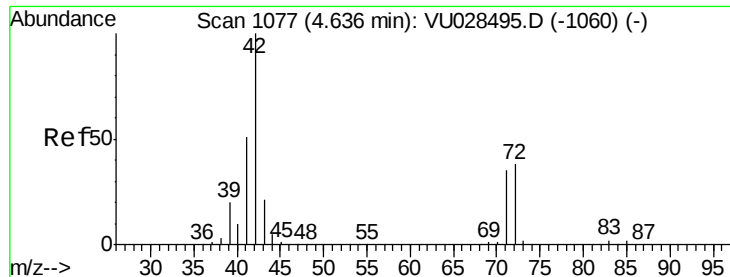
Bromochloromethane  
Concen: 56.384 ug/l  
RT: 4.55 min Scan# 1049  
Delta R.T. -0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.5   | 0.0   | 3.0   |
| 130     | 59.2  | 47.8  | 71.8  |



Abundance Ion 48.90 (48.60 to 49.60): VU0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





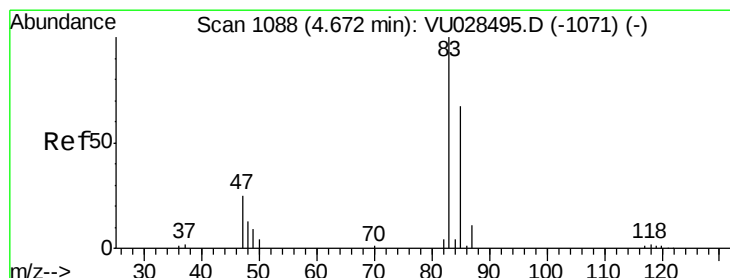
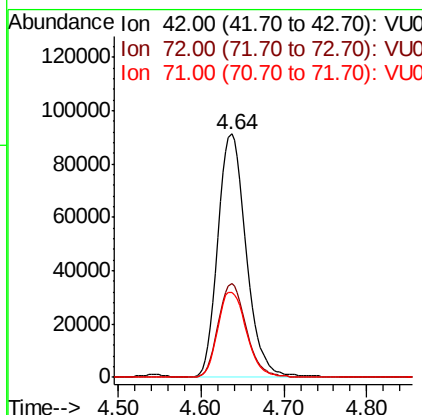
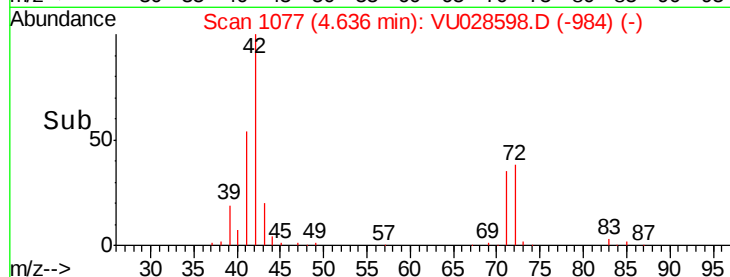
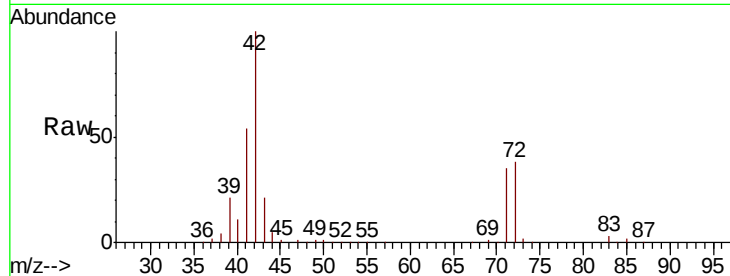
#29  
Tetrahydrofuran  
Concen: 281.647 ug/l  
RT: 4.64 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 38.4  | 31.4  | 47.0  |
| 71      | 35.9  | 28.6  | 43.0  |

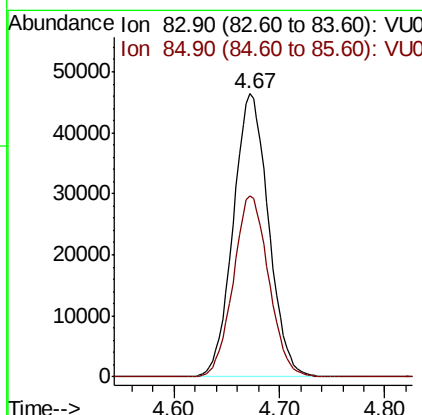
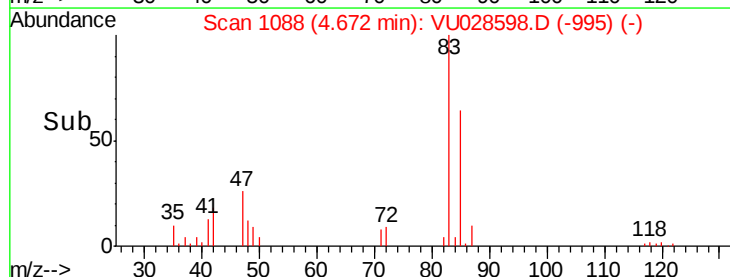
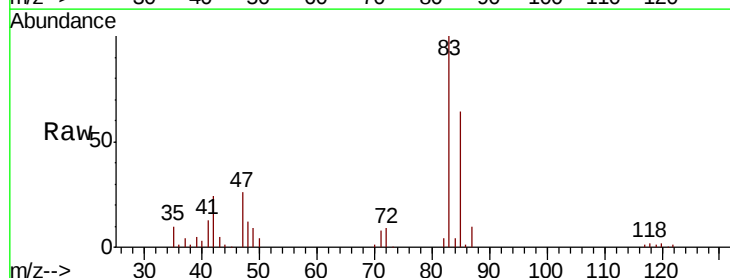
Manual Integrations  
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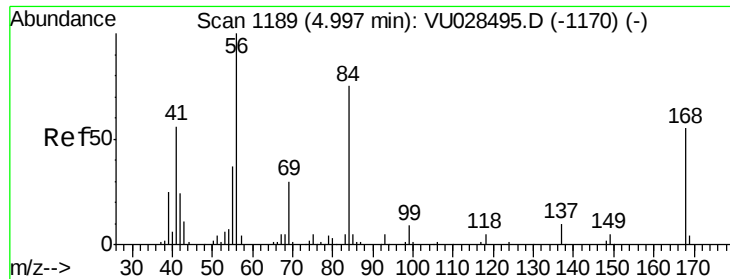
MMDadoda  
12/11/2018 3:02:58 PM



#30  
Chloroform  
Concen: 52.684 ug/l  
RT: 4.67 min Scan# 1088  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.2  | 53.6  | 80.4  |





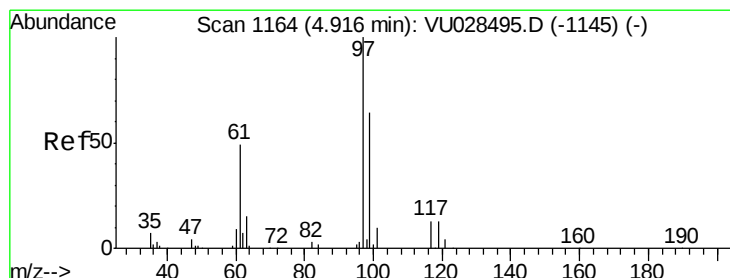
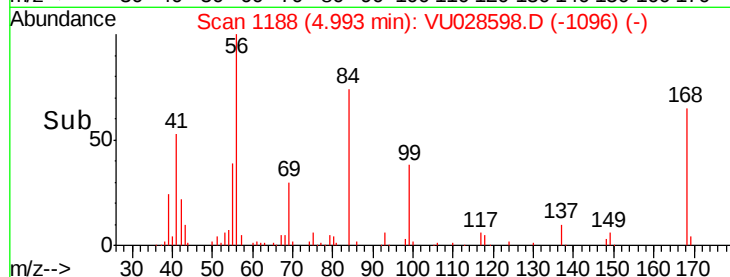
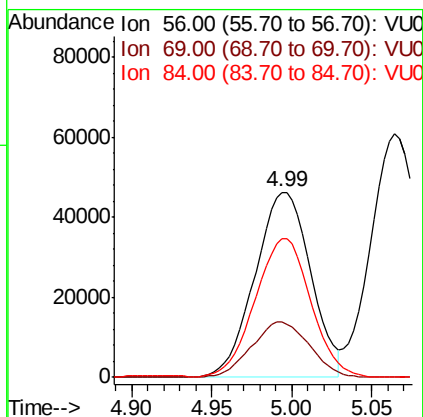
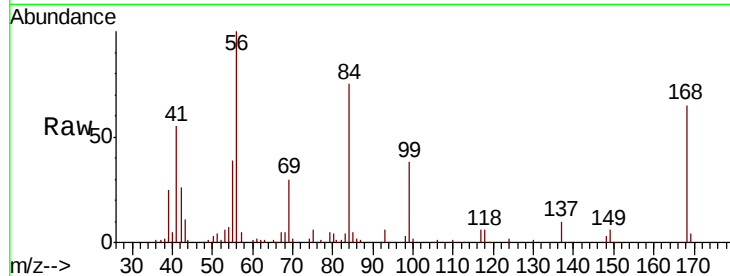
#31  
Cyclohexane  
Concen: 48.744 ug/l  
RT: 4.99 min Scan# 1188  
Delta R.T. -0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.7  | 24.0  | 36.0  |
| 84      | 74.5  | 59.7  | 89.5  |

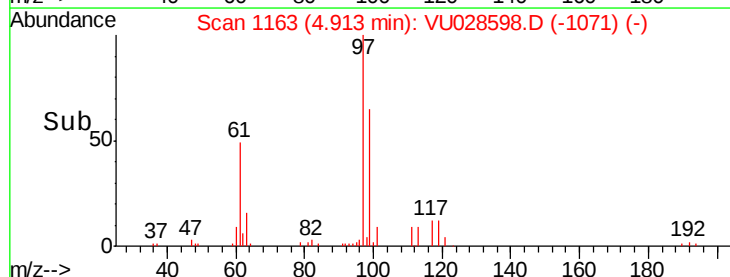
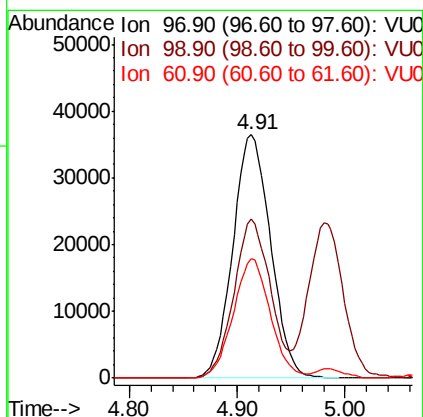
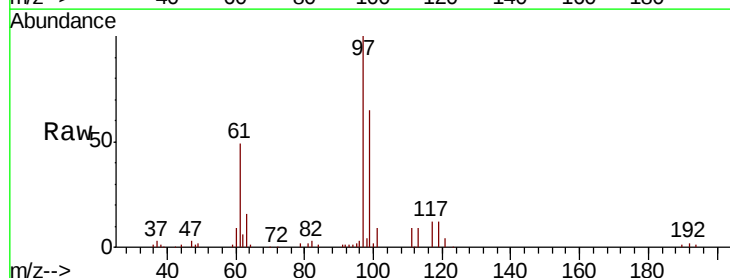
Manual Integrations  
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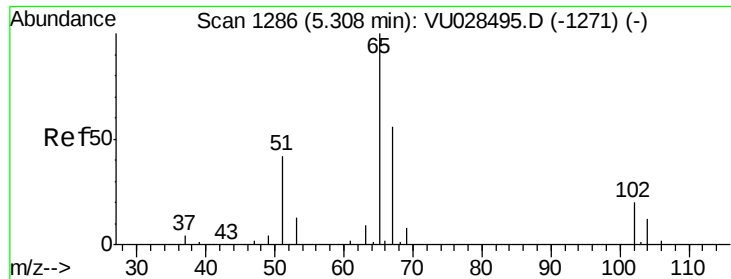
MMDadoda  
12/11/2018 3:02:58 PM



#32  
1,1,1-Trichloroethane  
Concen: 52.301 ug/l  
RT: 4.91 min Scan# 1163  
Delta R.T. -0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.1  | 52.3  | 78.5  |
| 61      | 48.2  | 39.0  | 58.6  |





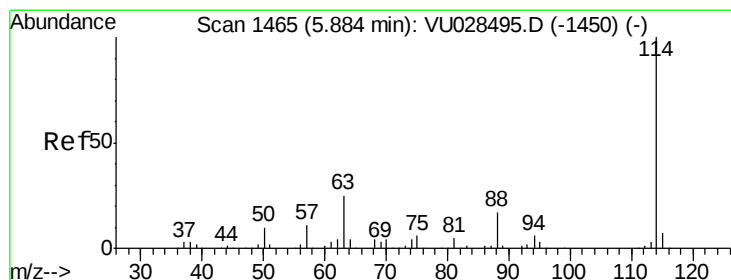
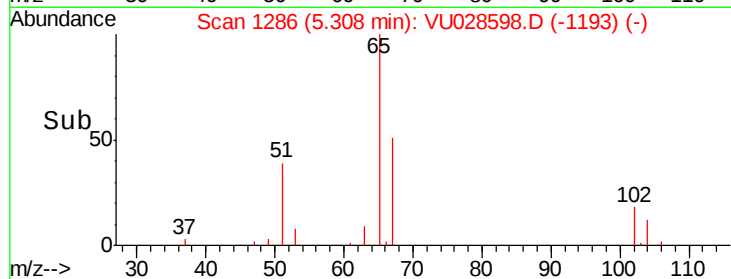
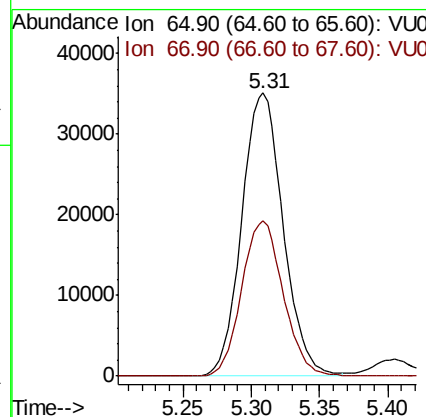
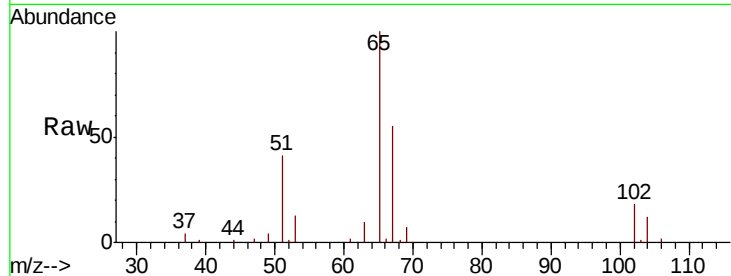
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.312 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. 0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 55.1  | 0.0   | 110.6 |

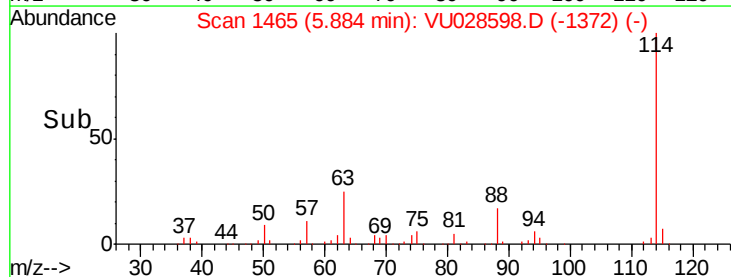
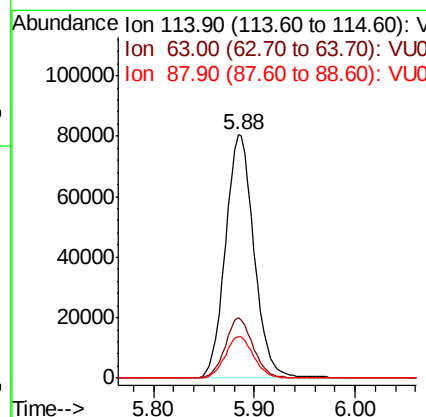
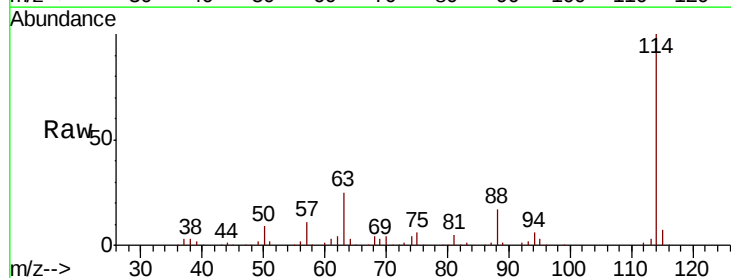
Manual Integrations  
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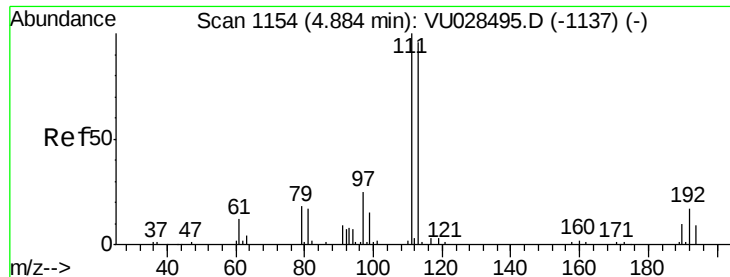
MMDadoda  
 12/11/2018 3:02:58 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. 0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.6  | 0.0   | 49.2  |
| 88      | 17.1  | 0.0   | 33.4  |





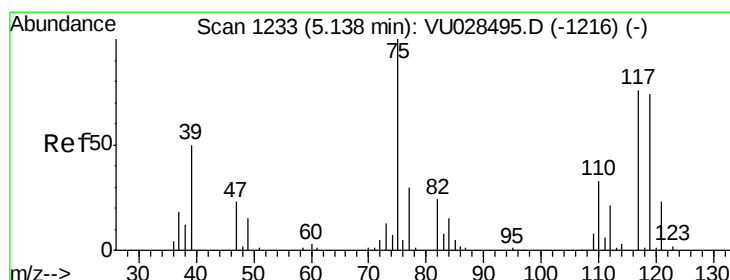
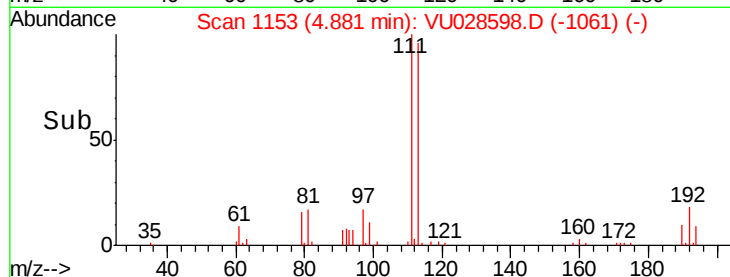
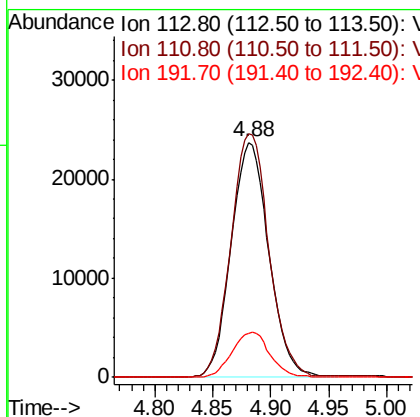
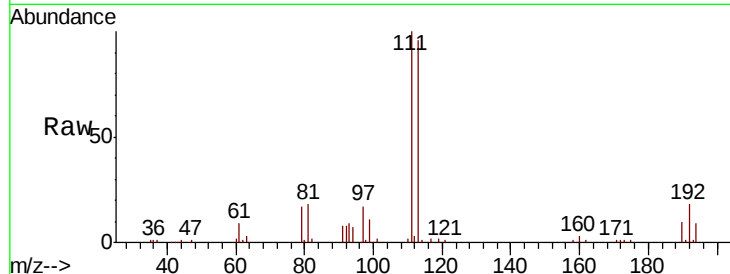
#35  
 Dibromofluoromethane  
 Concen: 53.380 ug/l  
 RT: 4.88 min Scan# 1153  
 Delta R.T. -0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 53505 |       |       |
| 111     | 104.6 |       | 83.4  | 125.0 |
| 192     | 19.2  |       | 14.8  | 22.2  |

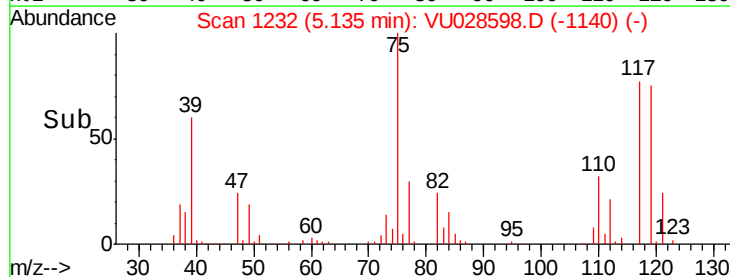
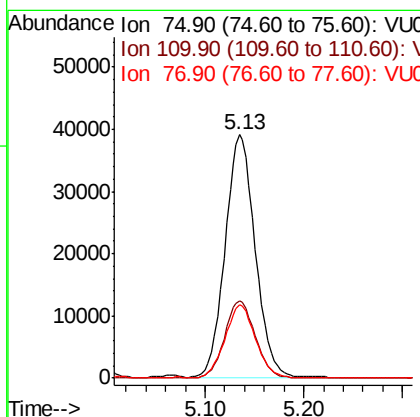
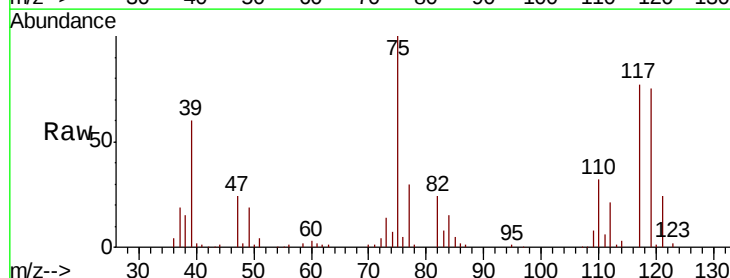
Manual Integrations  
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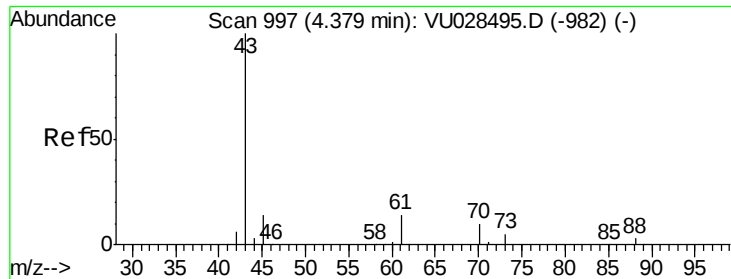
MMDadoda  
 12/11/2018 3:02:58 PM



#36  
 1,1-Dichloropropene  
 Concen: 48.091 ug/l  
 RT: 5.13 min Scan# 1232  
 Delta R.T. -0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 83820 |       |       |
| 110     | 32.1  |       | 16.1  | 48.2  |
| 77      | 30.5  |       | 24.5  | 36.7  |





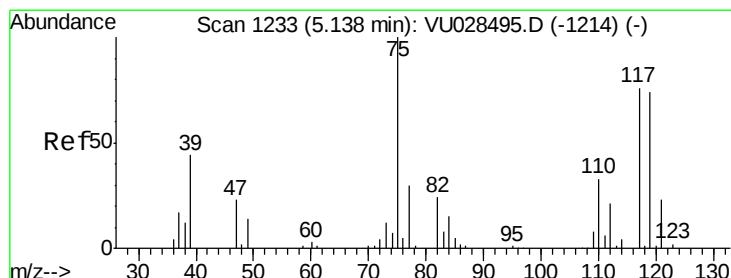
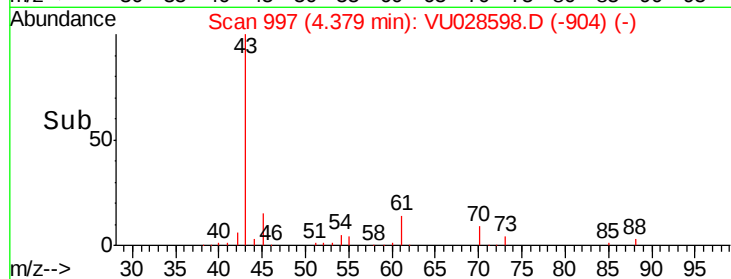
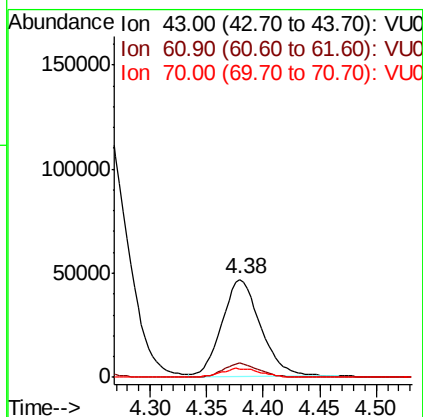
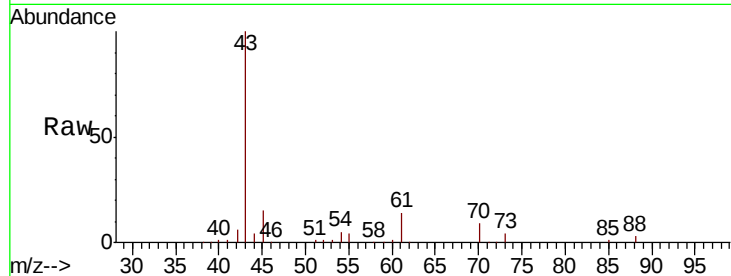
#37  
Ethyl Acetate  
Concen: 49.171 ug/l  
RT: 4.38 min Scan# 997  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 110787 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 13.8  | 11.0  | 16.4   |
| 70       | 9.3   | 7.4   | 11.0   |

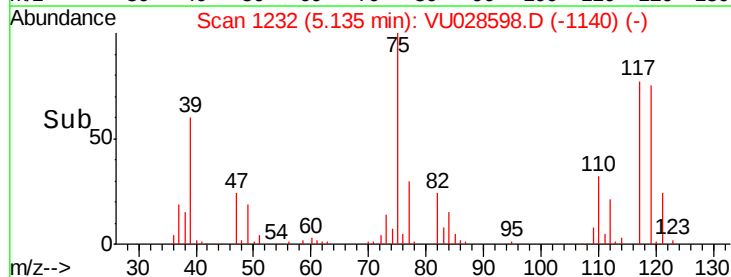
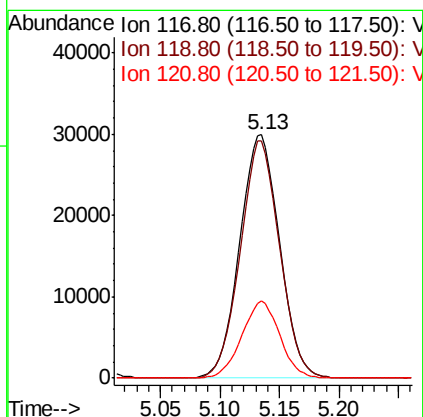
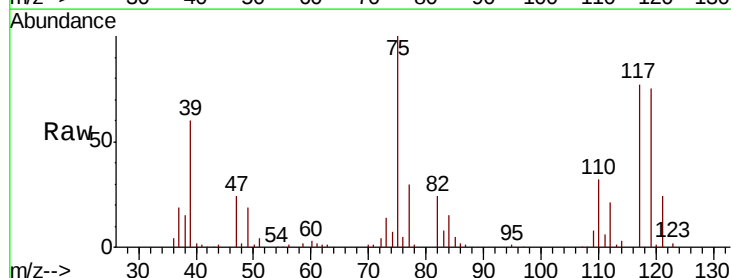
Manual Integrations  
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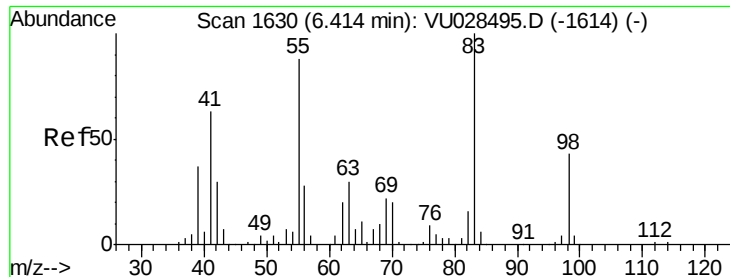
MMDadoda  
12/11/2018 3:02:58 PM



#38  
Carbon Tetrachloride  
Concen: 49.359 ug/l  
RT: 5.13 min Scan# 1232  
Delta R.T. -0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 69340 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 97.7  | 77.6  | 116.4 |
| 121      | 31.8  | 24.6  | 36.8  |





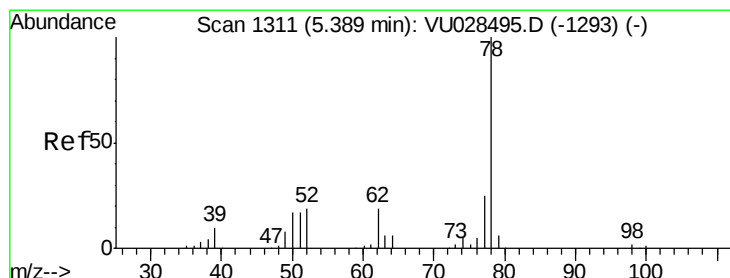
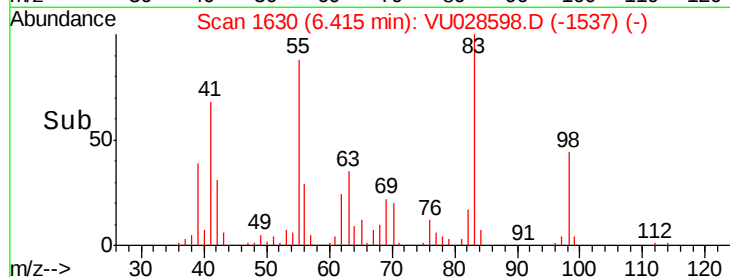
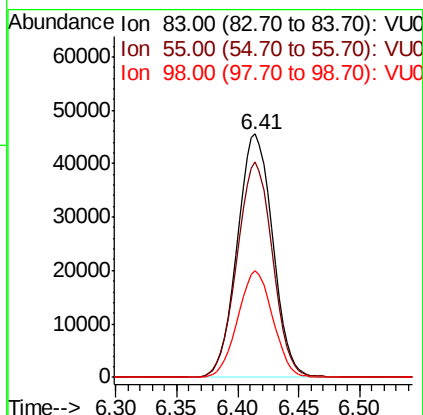
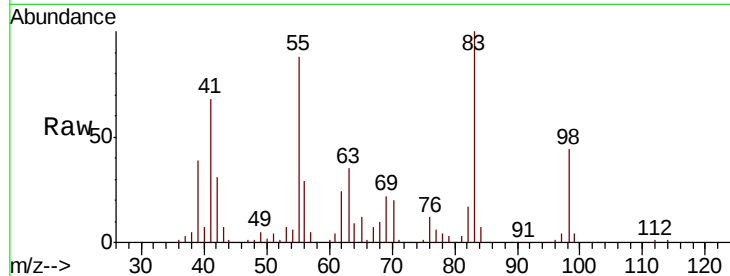
#39  
Methylvlcvclohexane  
Concen: 43.019 ug/l  
RT: 6.41 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 88.3  | 70.2  | 105.2 |
| 98      | 43.7  | 34.2  | 51.4  |

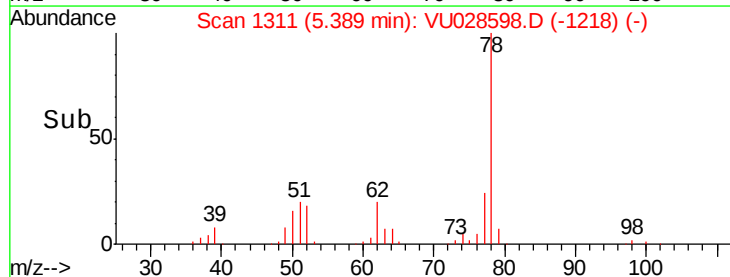
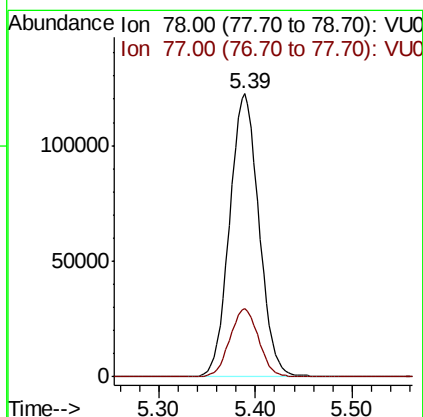
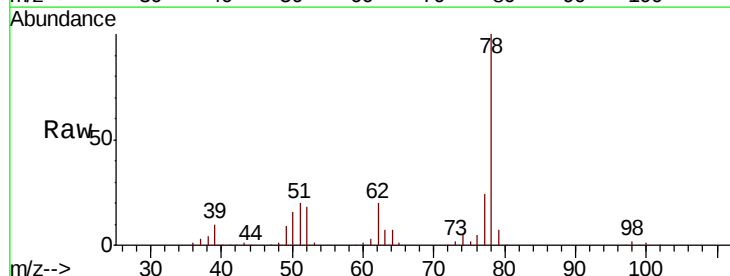
Manual Integrations  
APPROVED

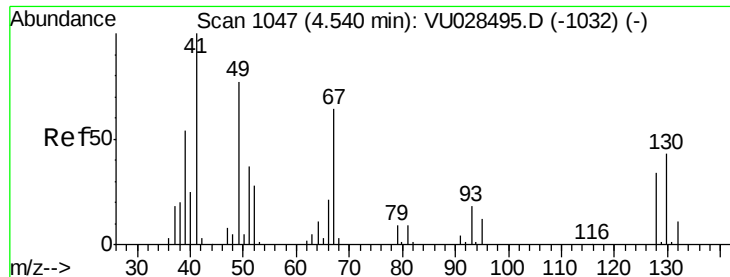
MMDadoda  
12/11/2018 3:02:58 PM



#40  
Benzene  
Concen: 50.282 ug/l  
RT: 5.39 min Scan# 1311  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.1  | 19.9  | 29.9  |





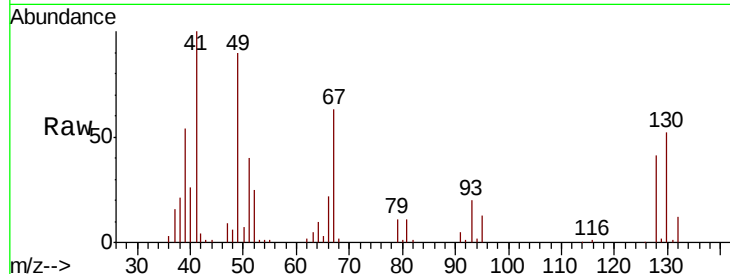
#41  
Methacrylonitrile  
Concen: 55.256 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

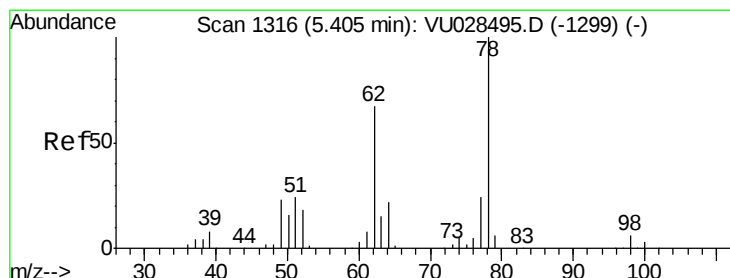
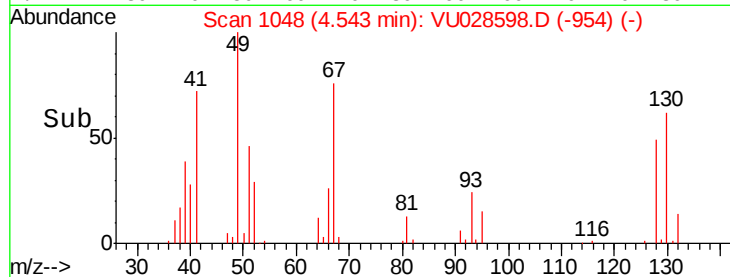
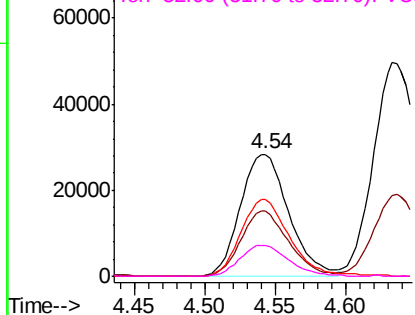
| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 68181 |       |       |
| 39      | 52.4 | 43.3  | 64.9  |       |       |
| 67      | 63.1 | 53.6  | 80.4  |       |       |
| 52      | 25.6 | 22.1  | 33.1  |       |       |

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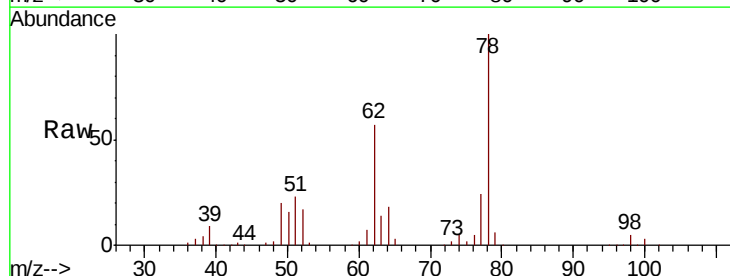


Abundance Ion 41.00 (40.70 to 41.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 67.00 (66.70 to 67.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0

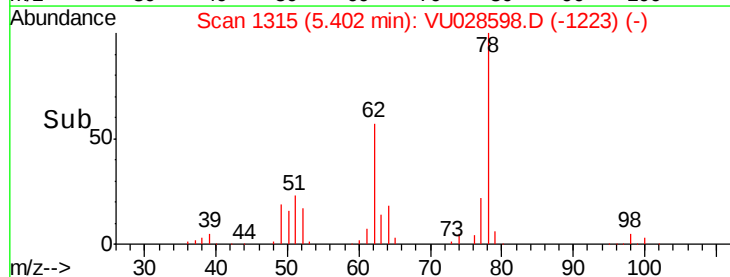
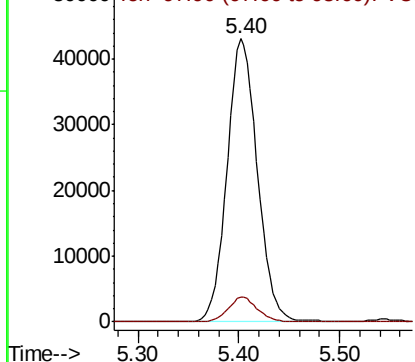


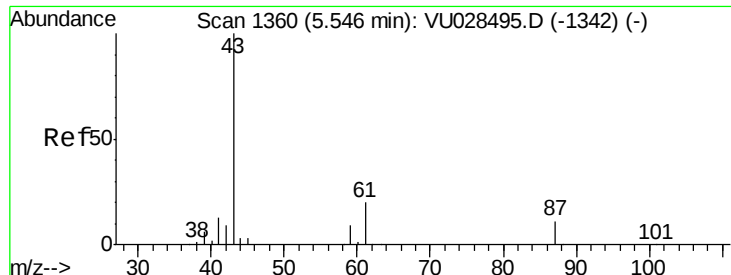
#42  
1,2-Dichloroethane  
Concen: 50.277 ug/l  
RT: 5.40 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 62      | 100 |       | 90341 |       |       |
| 98      | 8.4 | 0.0   | 17.2  |       |       |



Abundance Ion 61.90 (61.60 to 62.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 51.232 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

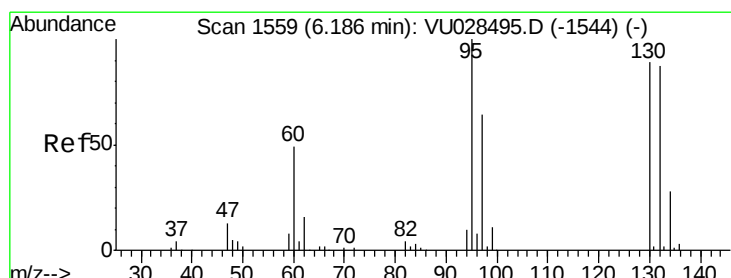
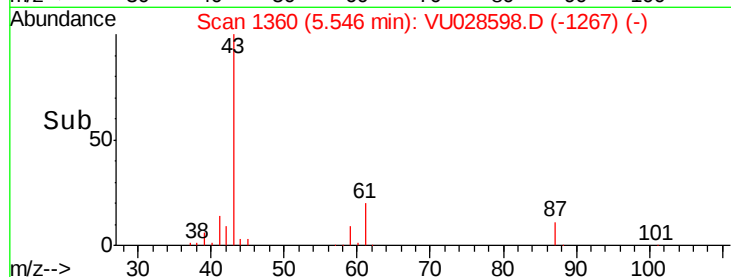
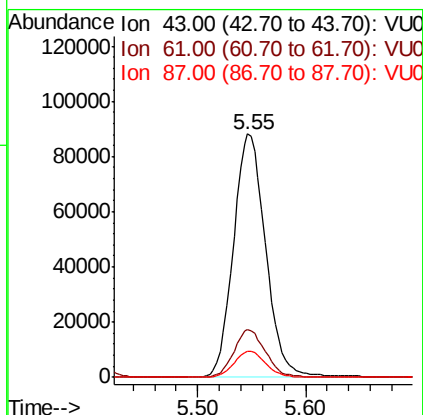
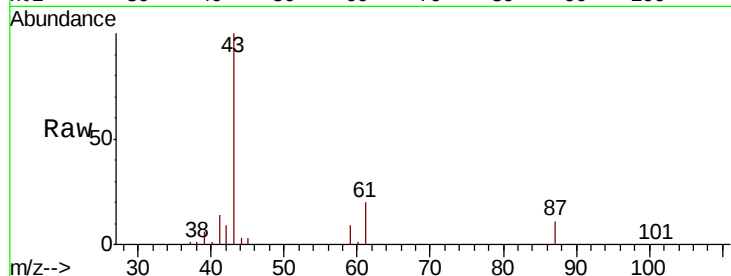
ClientSampleId :

BPS1-TT-MW30312-20181207MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 182576 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.3  | 15.5  | 23.3   |
| 87       | 10.8  | 8.7   | 13.1   |

Manual Integrations  
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12/11/2018 3:02:58 PM



#44

Trichloroethene

Concen: 51.185 ug/l

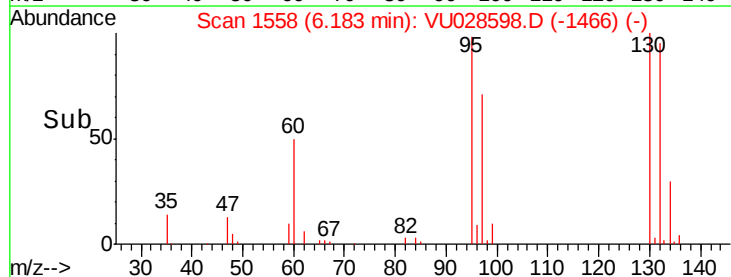
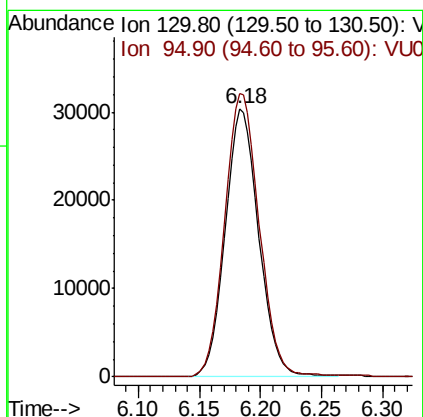
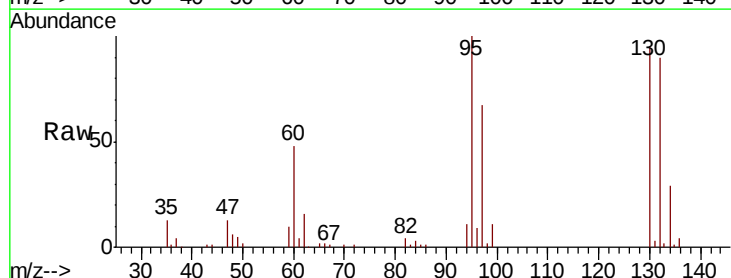
RT: 6.18 min Scan# 1558

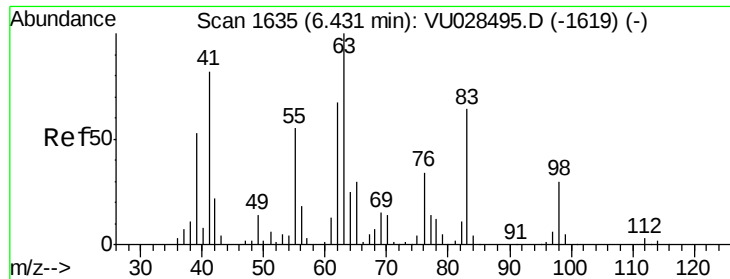
Delta R.T. -0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 58422 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 105.6 | 0.0   | 224.0 |





#45

1,2-Dichloropropane

Concen: 51.813 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

Tot Ion: 63 Resp: 74794

Ion Ratio Lower Upper

63 100

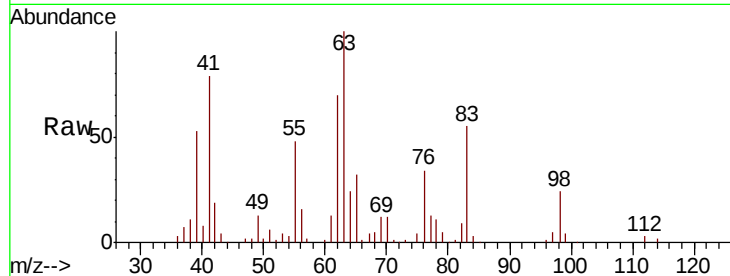
65 32.0 24.2 36.4

Manual Integrations

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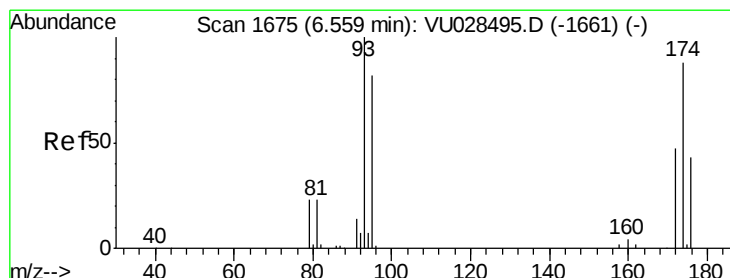
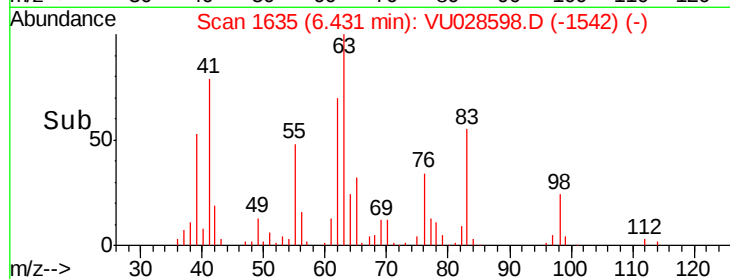
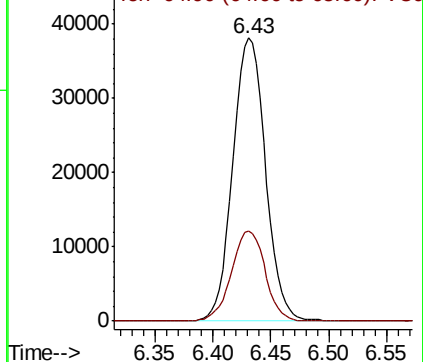
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 51.393 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

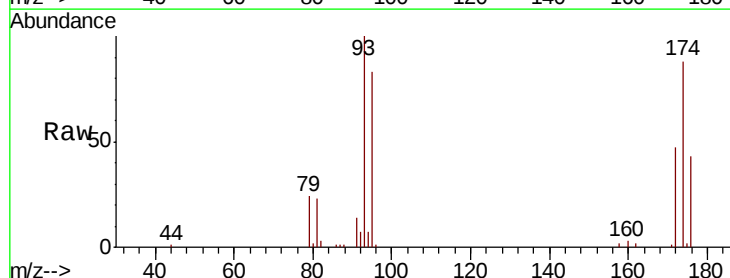
Tgt Ion: 93 Resp: 44018

Ion Ratio Lower Upper

93 100

95 82.4 65.4 98.2

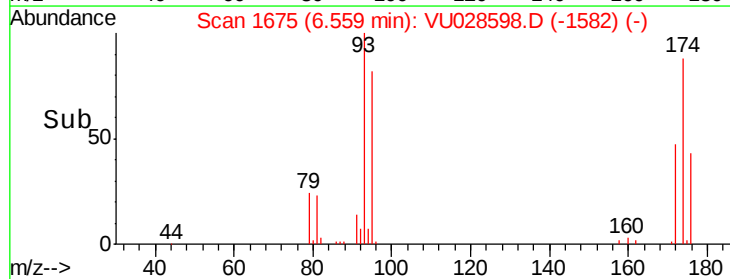
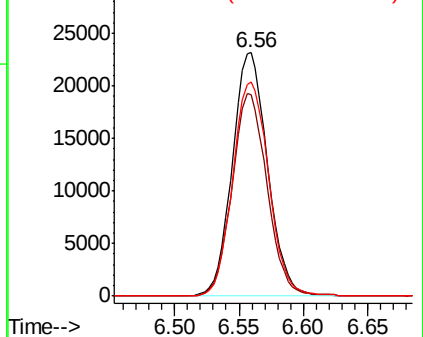
174 89.9 72.2 108.4

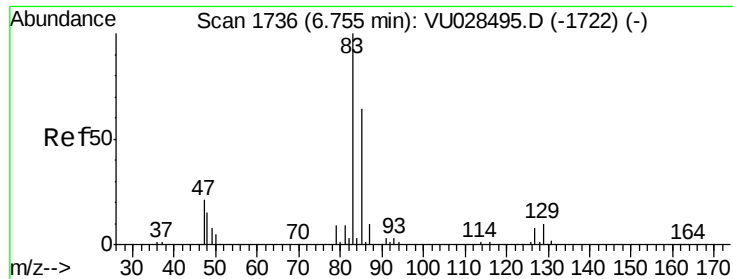


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





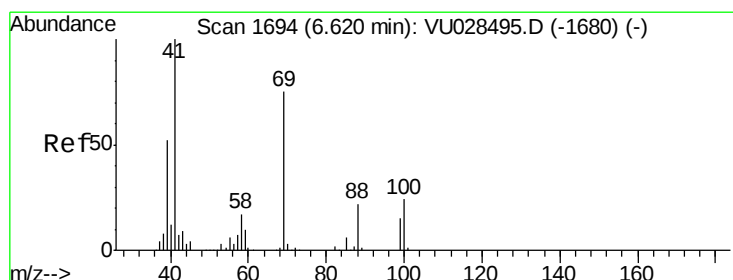
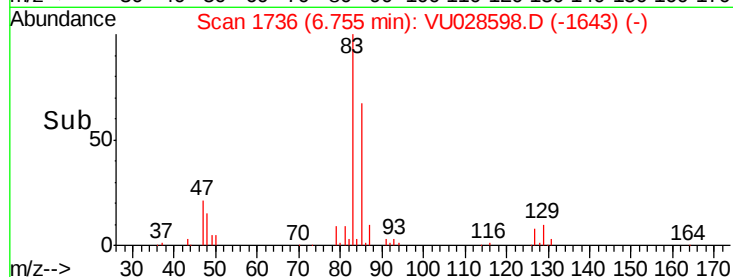
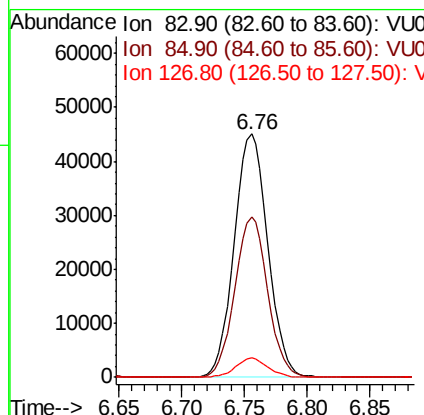
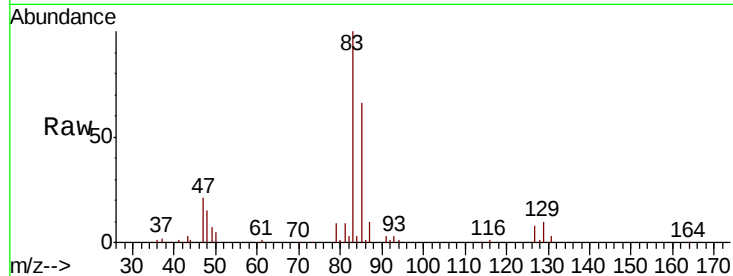
#47  
Bromodichloromethane  
Concen: 50.462 ug/l  
RT: 6.76 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

| Tot Ion   | 83   | Resp  | 84105 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 65.7 | 51.5  | 77.3  |
| 127       | 7.9  | 6.2   | 9.4   |

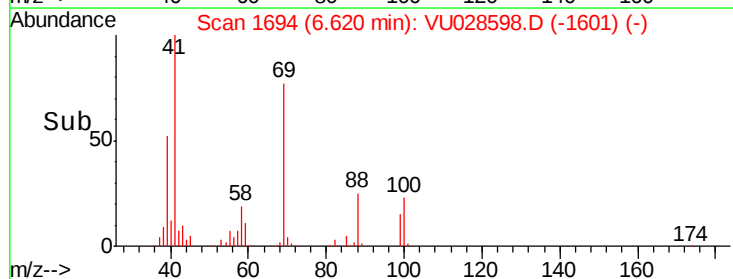
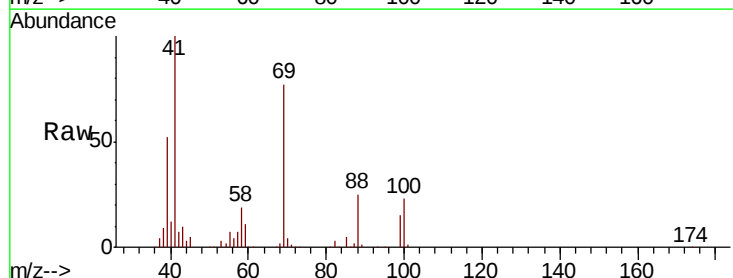
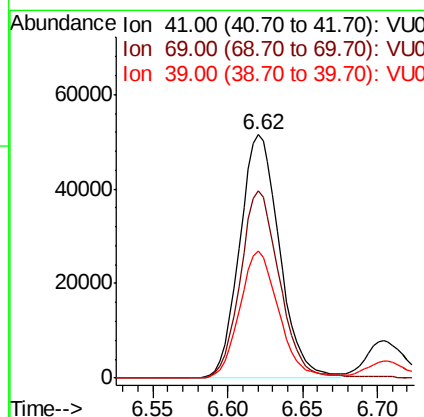
Manual Integrations  
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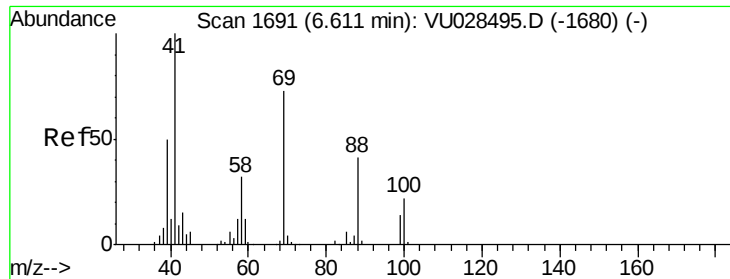
MMDadoda  
12/11/2018 3:02:58 PM



#48  
Methyl methacrylate  
Concen: 53.919 ug/l  
RT: 6.62 min Scan# 1694  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

| Tgt Ion   | 41   | Resp  | 95559 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 75.6 | 60.4  | 90.6  |
| 39        | 51.0 | 41.1  | 61.7  |





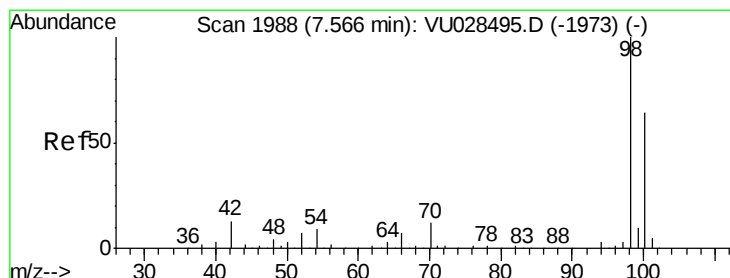
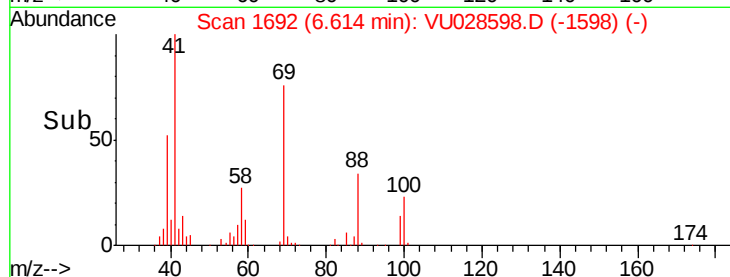
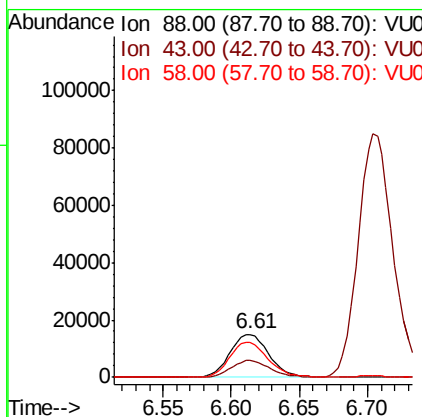
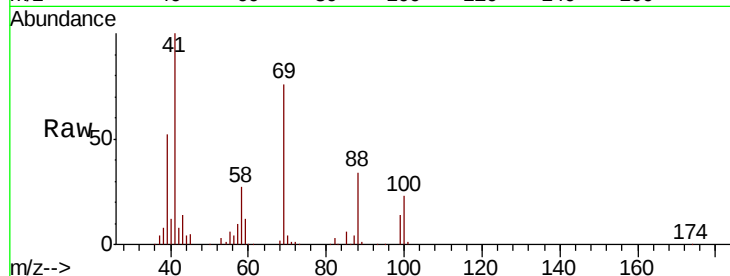
#49  
1,4-Dioxane  
Concen: 1037.542 ug/l  
RT: 6.61 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 41.4  | 30.9  | 46.3  |
| 58      | 82.9  | 62.4  | 93.6  |

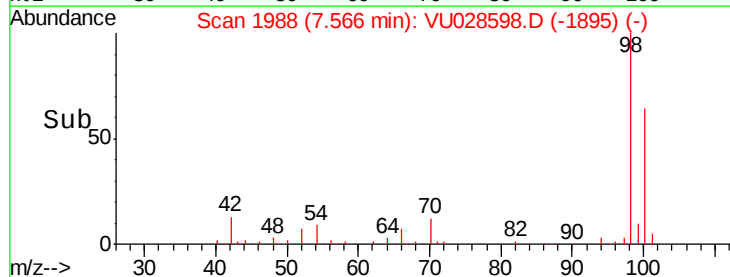
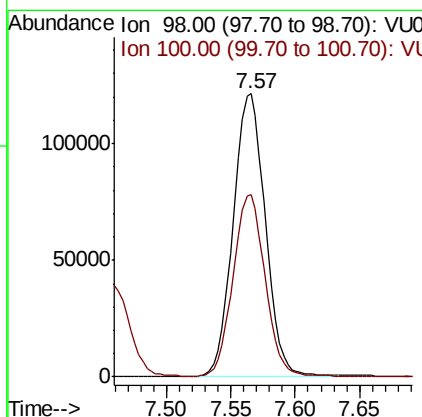
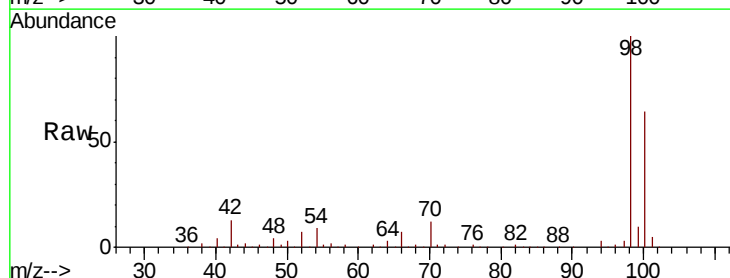
Manual Integrations  
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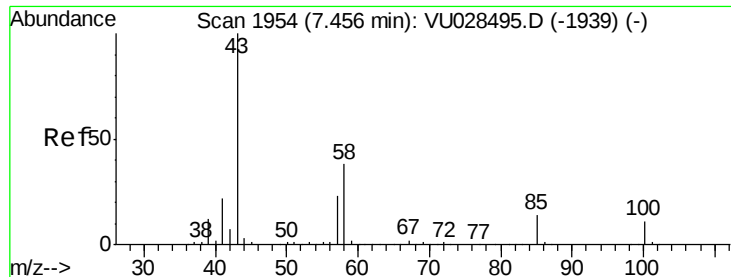
MMDadoda  
12/11/2018 3:02:58 PM



#50  
Toluene-d8  
Concen: 53.126 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.7  | 51.0  | 76.6  |





#51

4-Methyl-2-Pentanone

Concen: 269.837 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW30312-20181207MSD

Tot Ion: 43 Resp: 606511

Ion Ratio Lower Upper

43 100

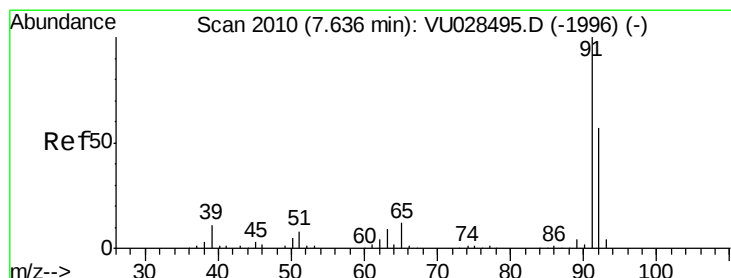
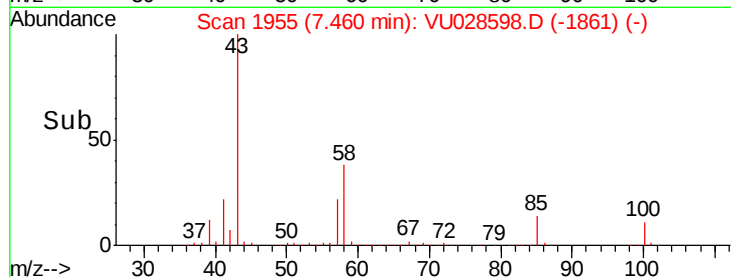
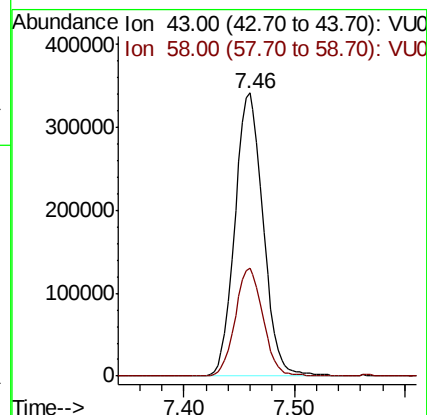
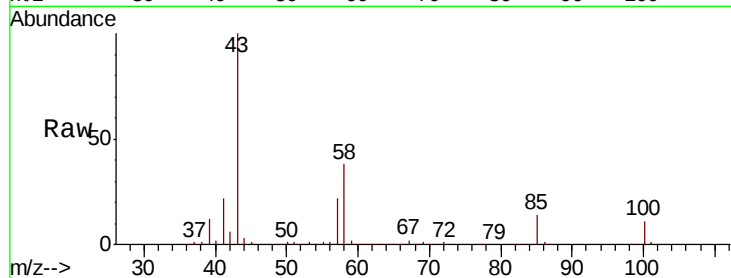
58 37.6 30.2 45.2

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#52

Toluene

Concen: 49.241 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028598.D

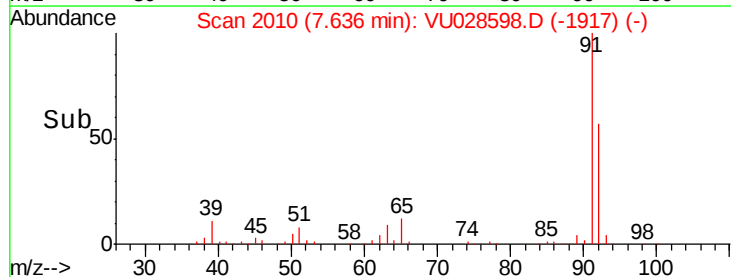
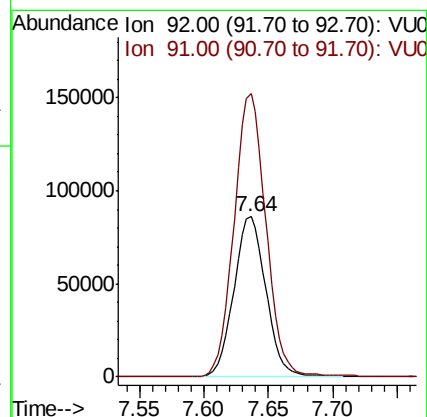
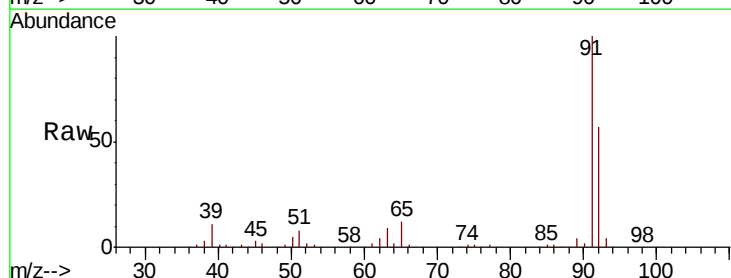
Acq: 11 Dec 2018 10:54

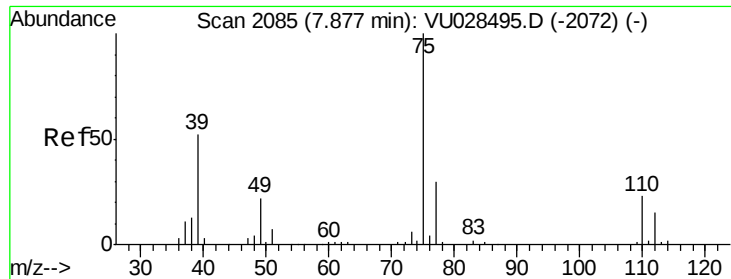
Tgt Ion: 92 Resp: 148762

Ion Ratio Lower Upper

92 100

91 177.6 140.2 210.4





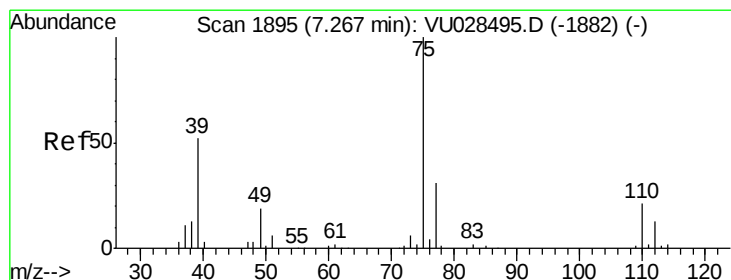
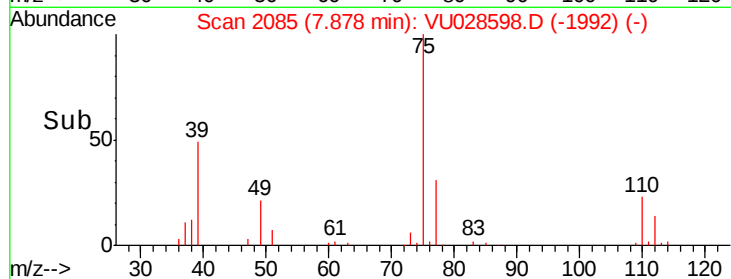
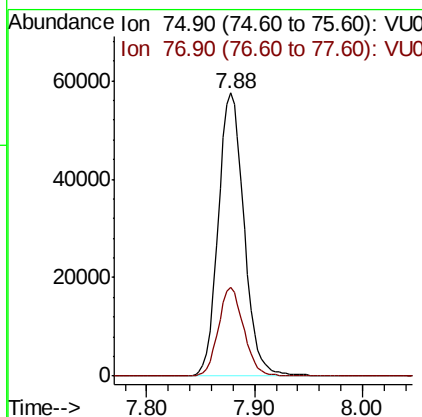
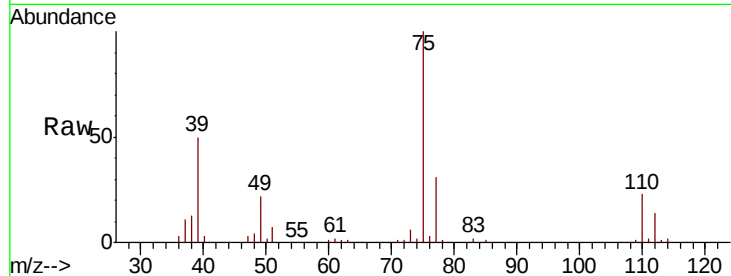
#53  
t-1,3-Dichloropropene  
Concen: 48.173 ug/l  
RT: 7.88 min Scan# 2085  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.3  | 24.2  | 36.4  |

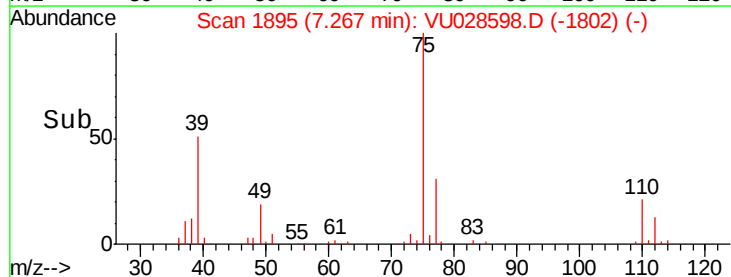
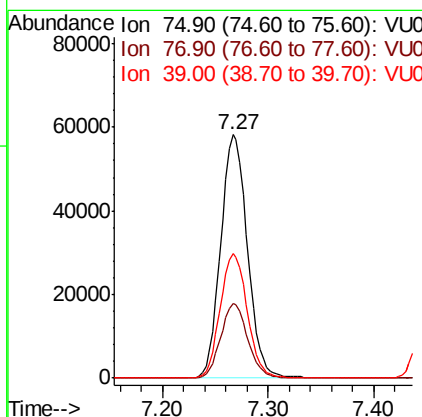
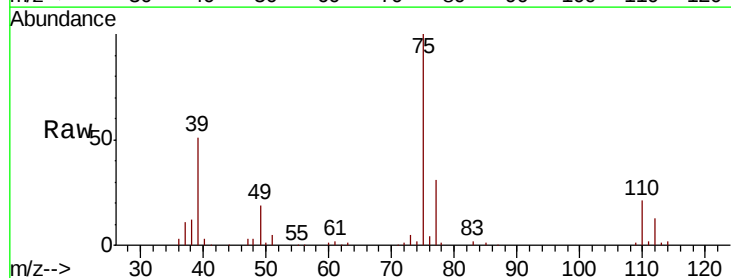
Manual Integrations  
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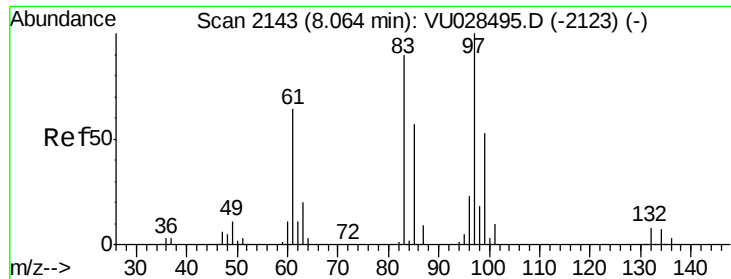
MMDadoda  
12/11/2018 3:02:58 PM



#54  
cis-1,3-Dichloropropene  
Concen: 47.368 ug/l  
RT: 7.27 min Scan# 1895  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.8  | 25.0  | 37.4  |
| 39      | 51.0  | 41.3  | 61.9  |





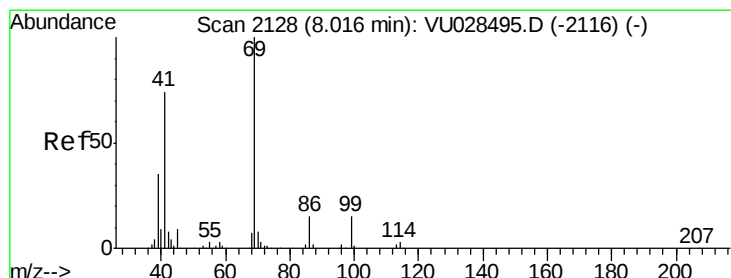
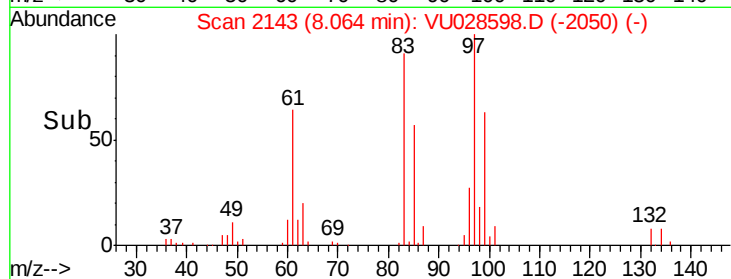
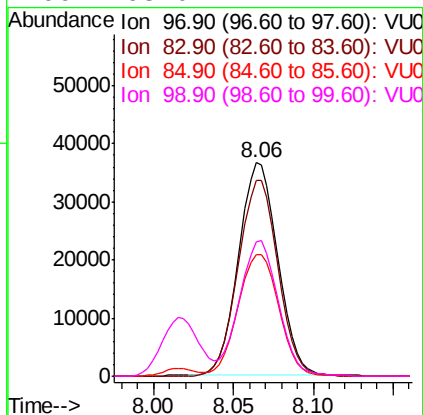
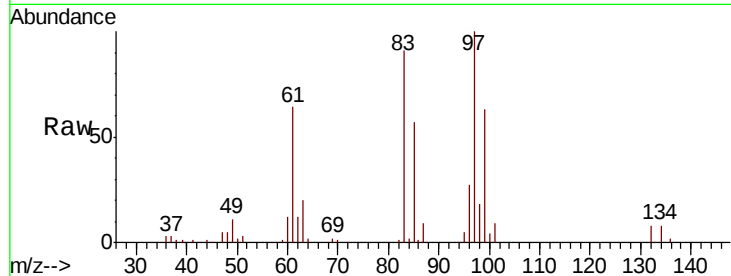
#55  
 1,1,2-Trichloroethane  
 Concen: 51.305 ug/l  
 RT: 8.06 min Scan# 2143  
 Delta R.T. 0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

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

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 61269 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.8  | 72.4  | 108.6 |
| 85       | 56.7  | 46.0  | 69.0  |
| 99       | 63.0  | 47.4  | 71.2  |

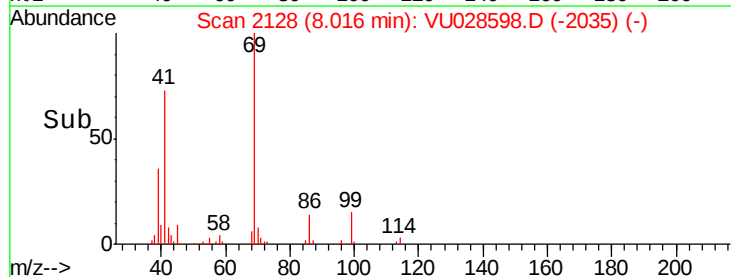
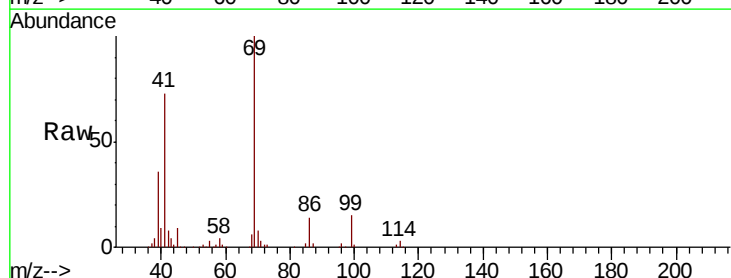
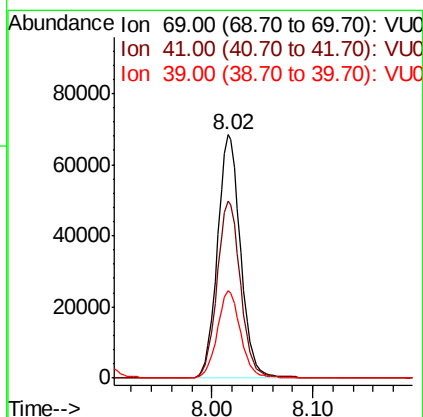
Manual Integrations  
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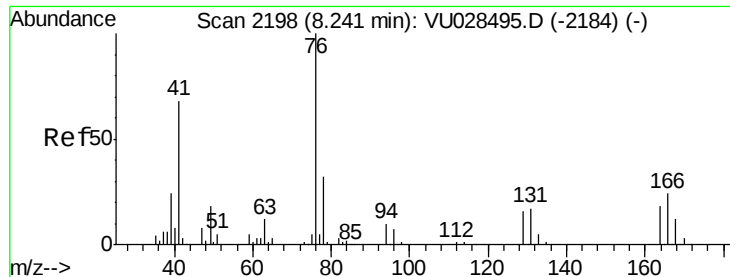
MMDadoda  
 12/11/2018 3:02:58 PM



#56  
 Ethyl methacrylate  
 Concen: 53.525 ug/l  
 RT: 8.02 min Scan# 2128  
 Delta R.T. 0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 109460 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 73.8  | 59.1  | 88.7   |
| 39       | 35.4  | 28.4  | 42.6   |





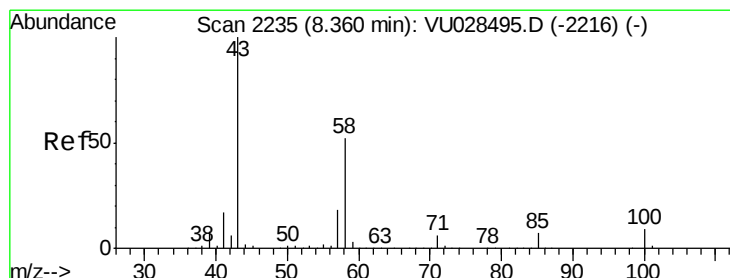
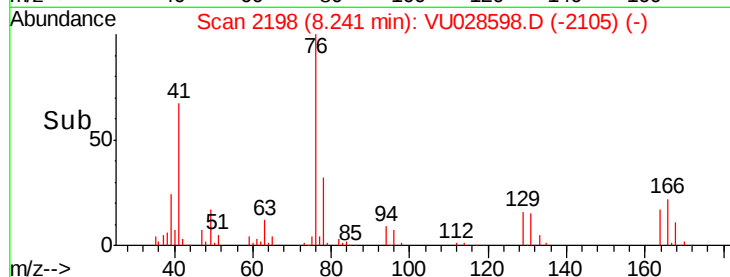
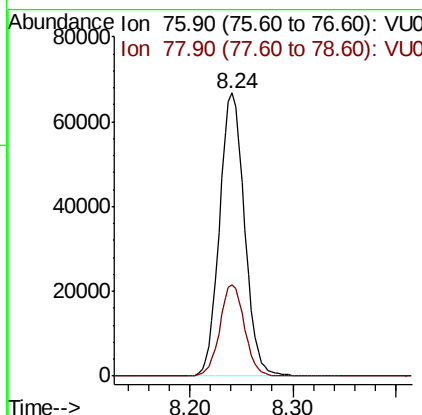
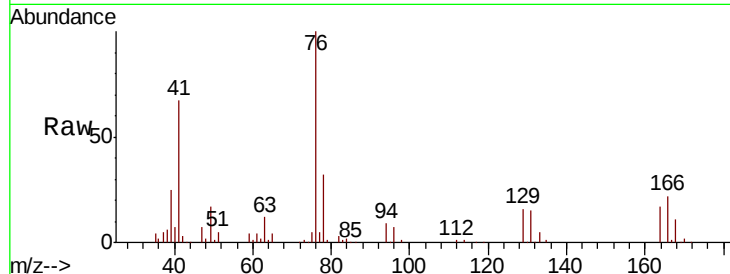
#57  
 1,3-Dichloropropane  
 Concen: 50.882 ug/l  
 RT: 8.24 min Scan# 2198  
 Delta R.T. 0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

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

Tot Ion: 76 Resp: 112797  
 Ion Ratio Lower Upper  
 76 100  
 78 31.8 25.2 37.8

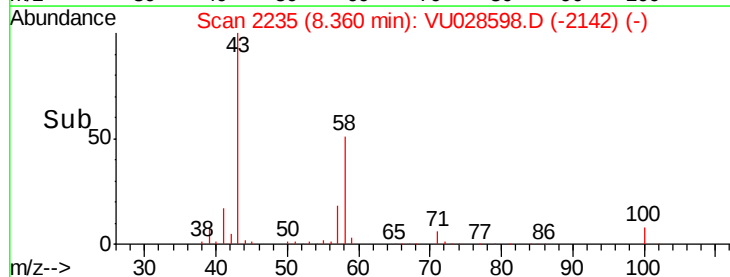
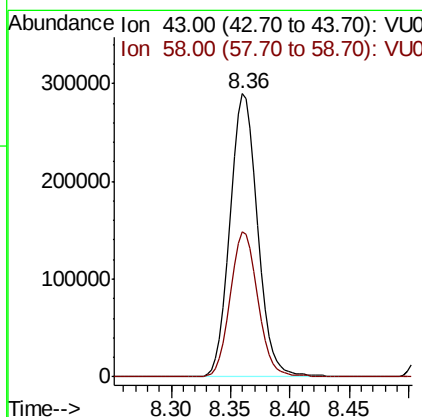
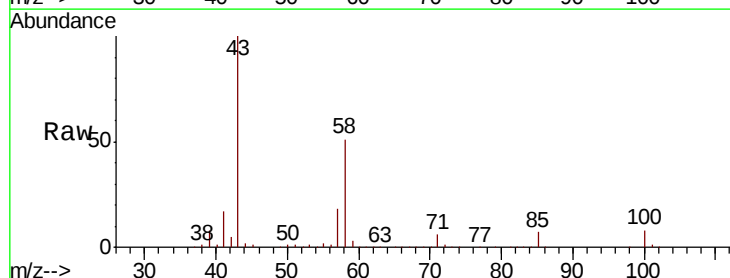
Manual Integrations  
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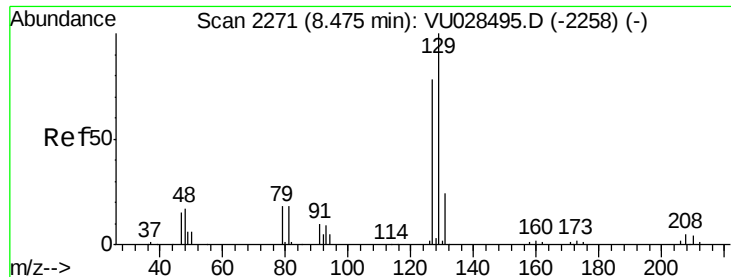
MMDadoda  
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#59  
 2-Hexanone  
 Concen: 262.209 ug/l  
 RT: 8.36 min Scan# 2235  
 Delta R.T. 0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

Tgt Ion: 43 Resp: 467136  
 Ion Ratio Lower Upper  
 43 100  
 58 51.6 25.9 77.6





#60

Dibromochloromethane

Concen: 50.492 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

Tot Ion:129 Resp: 59036

Ion Ratio Lower Upper

129 100

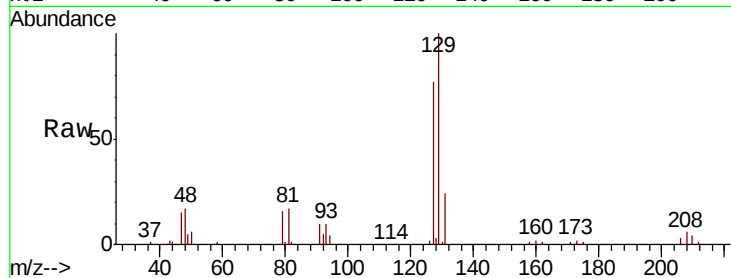
127 78.2 39.1 117.3

Manual Integrations

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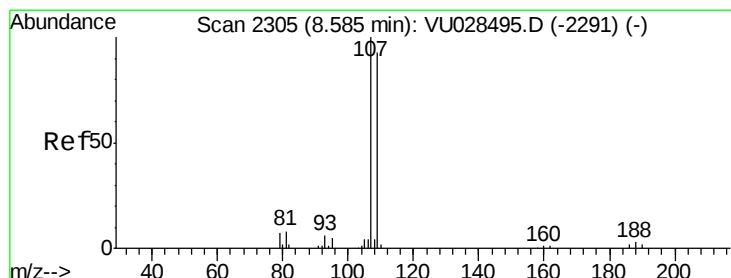
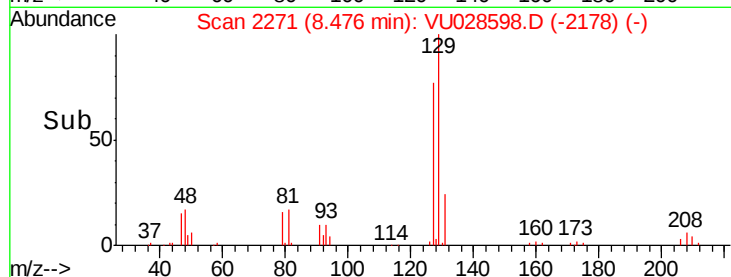
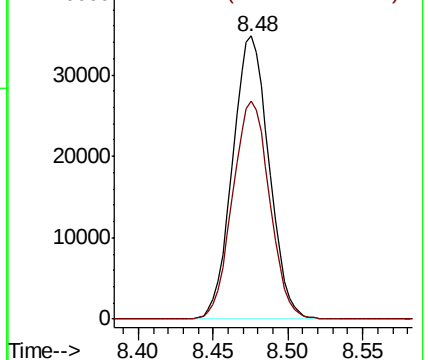
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.976 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028598.D

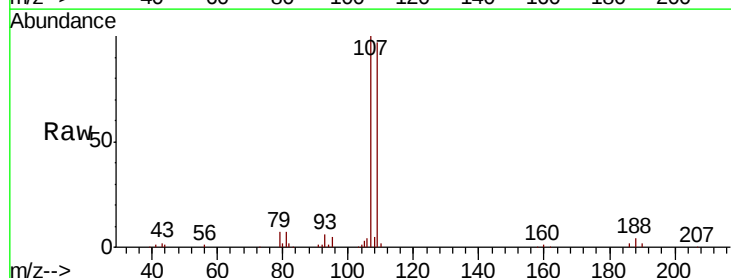
Acq: 11 Dec 2018 10:54

Tgt Ion:107 Resp: 65091

Ion Ratio Lower Upper

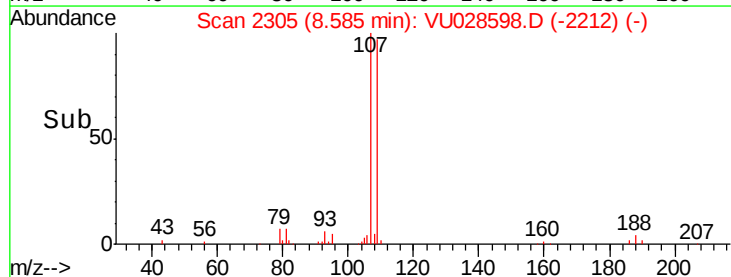
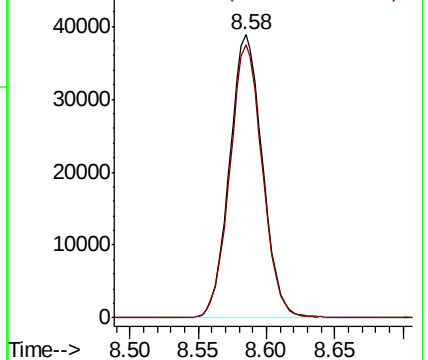
107 100

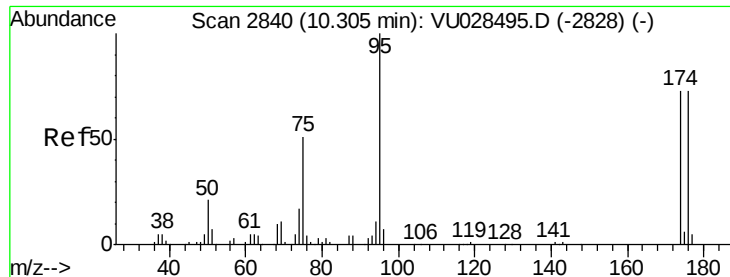
109 95.6 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 52.818 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

Tot Ion: 95 Resp: 78277

Ion Ratio Lower Upper

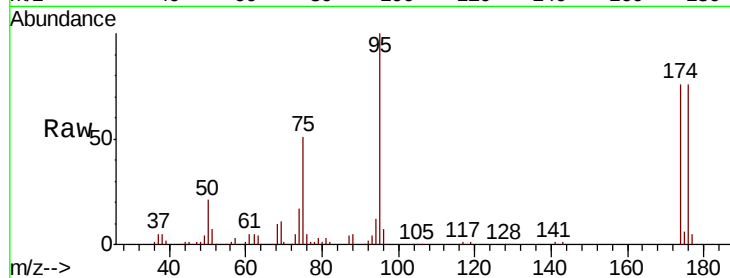
95 100

174 76.2 0.0 150.4

176 74.5 0.0 145.2

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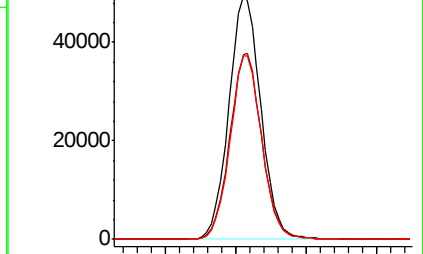
MMDadoda  
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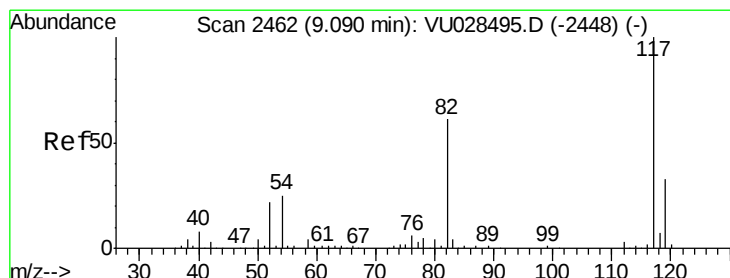
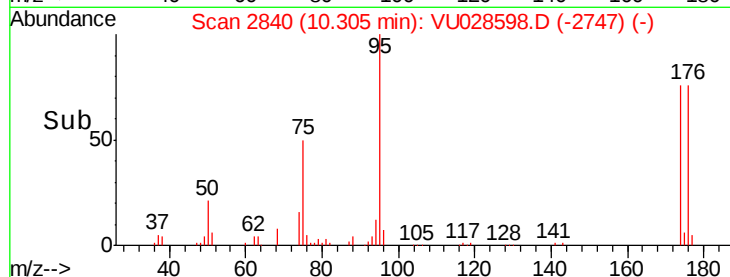
Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

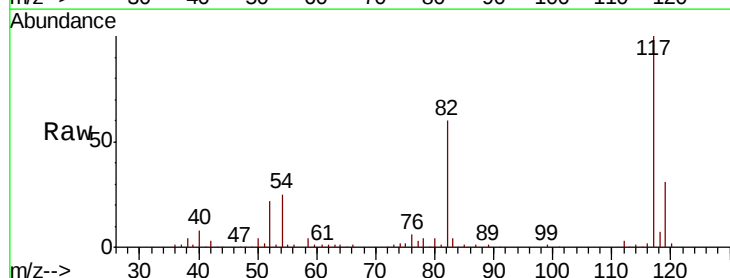
Tgt Ion: 117 Resp: 149364

Ion Ratio Lower Upper

117 100

82 59.6 48.9 73.3

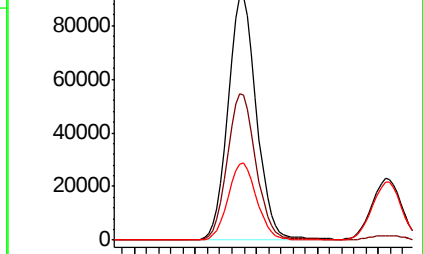
119 31.5 26.2 39.4



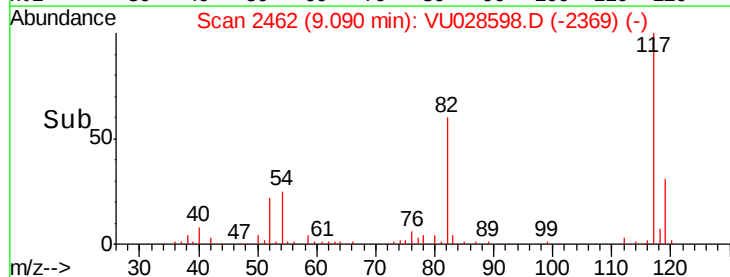
Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

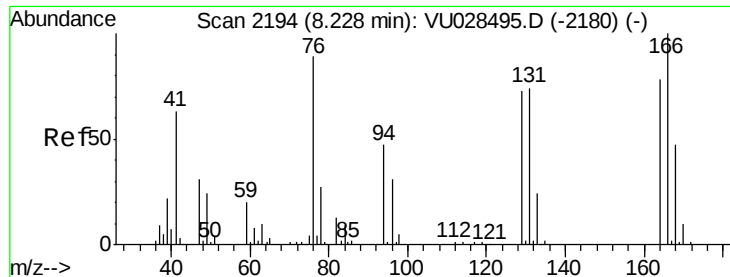
Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)



Time-->





#64

Tetrachloroethene

Concen: 47.364 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

Tot Ion:164 Resp: 47188

Ion Ratio Lower Upper

164 100

166 130.1 101.9 152.9

129 98.9 74.9 112.3

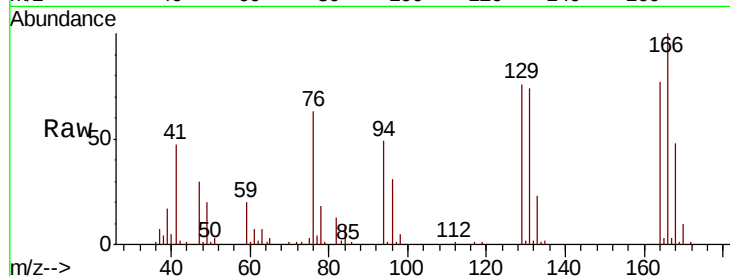
131 95.7 75.4 113.0

Manual Integrations

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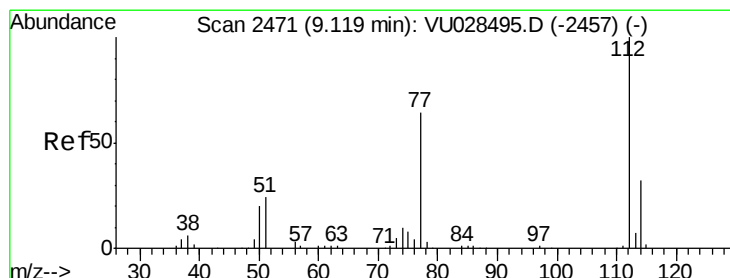
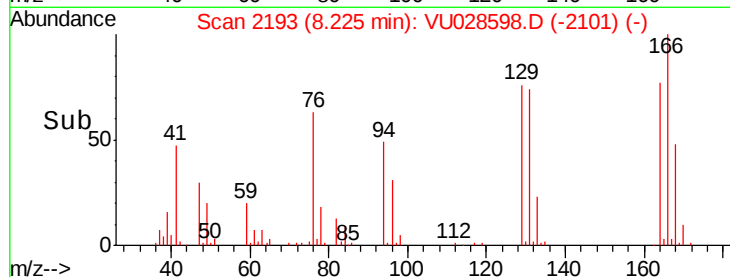
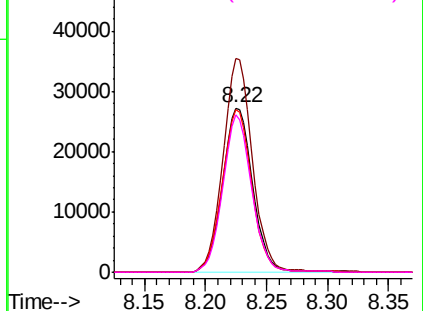
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.827 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028598.D

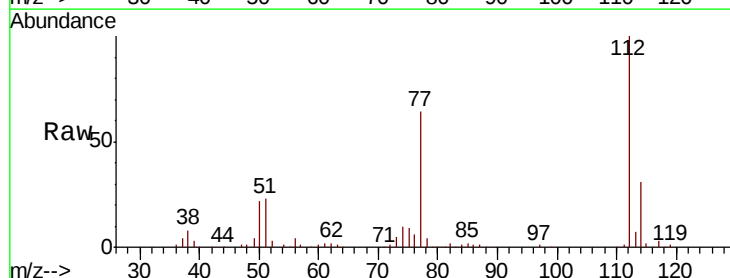
Acq: 11 Dec 2018 10:54

Tgt Ion:112 Resp: 158591

Ion Ratio Lower Upper

112 100

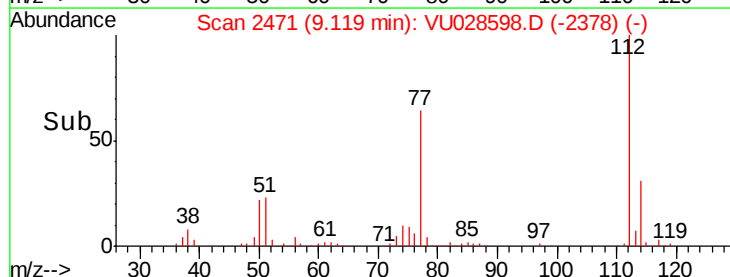
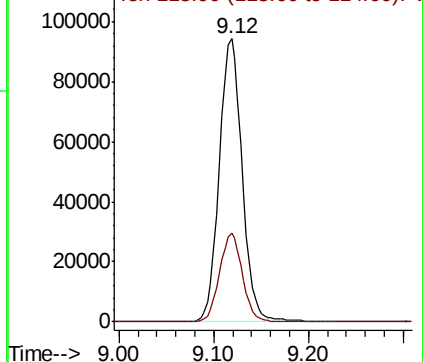
114 31.4 25.3 37.9

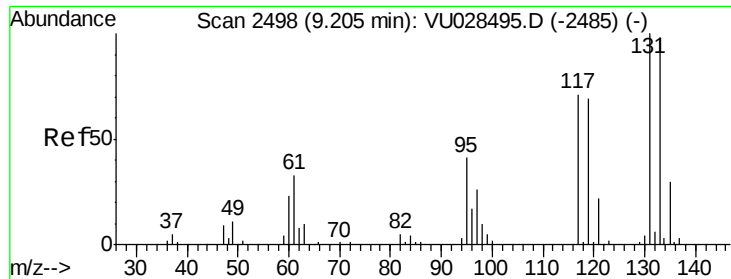


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.884 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

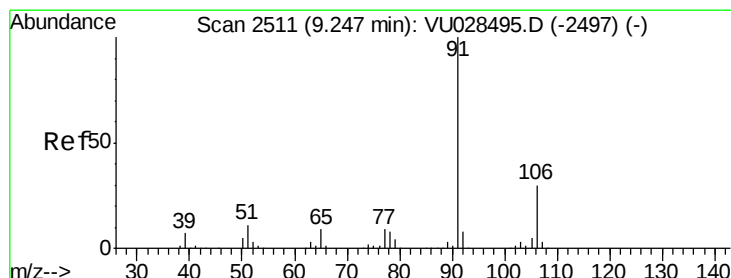
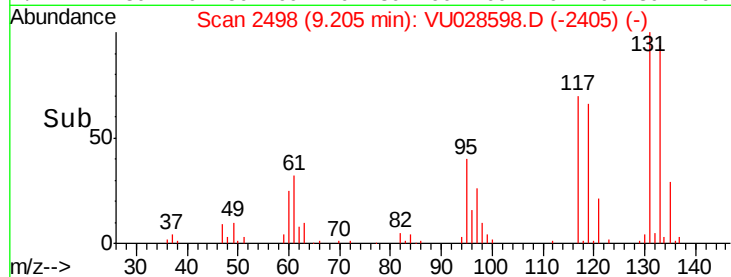
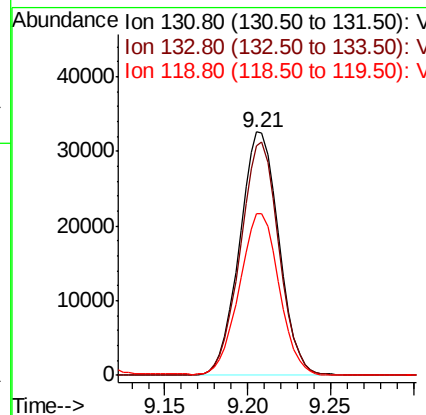
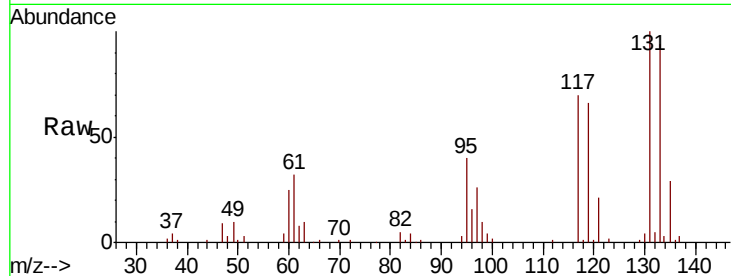
ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 131   | Resp: | 53750 |
| Ion Ratio | Lower | Upper |       |
| 131       | 100   |       |       |
| 133       | 94.2  | 48.0  | 144.0 |
| 119       | 67.3  | 34.6  | 103.9 |

Manual Integrations  
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#67

Ethyl Benzene

Concen: 49.334 ug/l

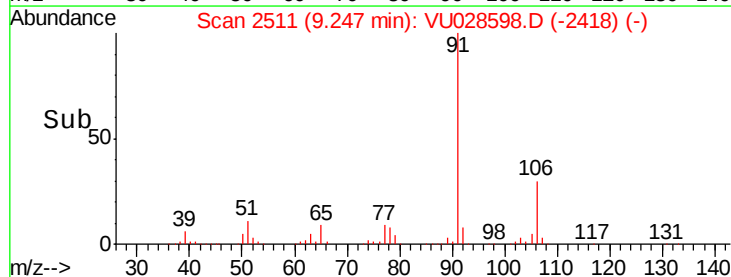
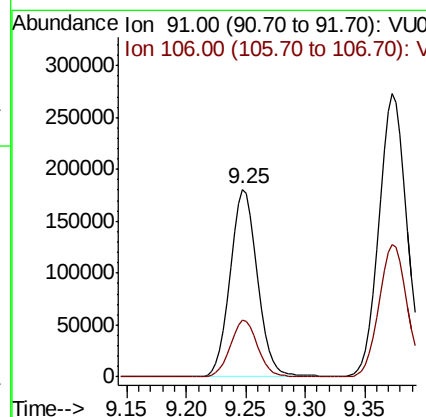
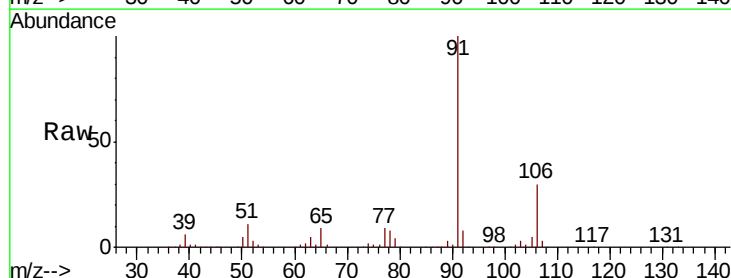
RT: 9.25 min Scan# 2511

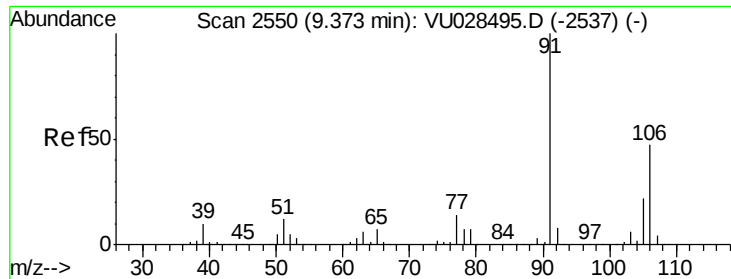
Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 288652 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 30.2  | 24.1  | 36.1   |





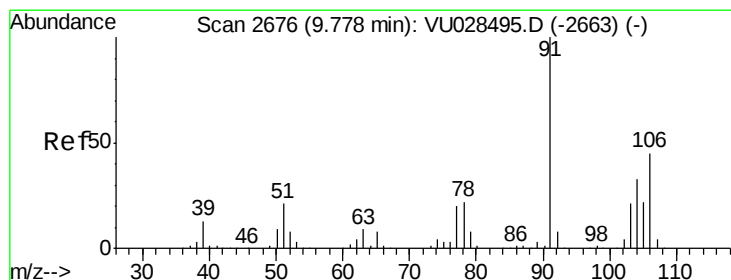
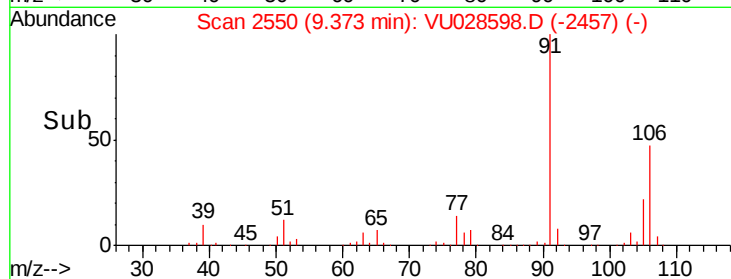
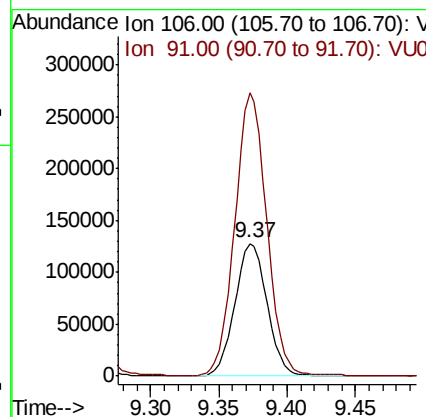
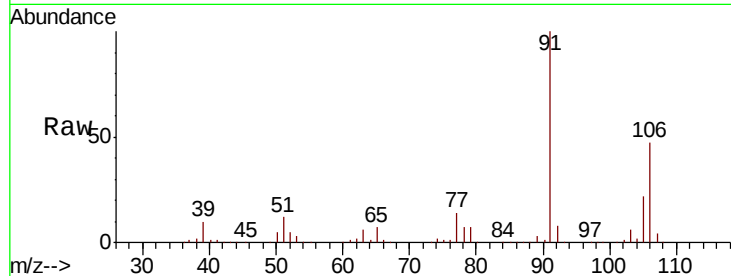
#68  
m/p-Xylenes  
Concen: 98.294 ug/l  
RT: 9.37 min Scan# 2550  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

Tot Ion:106 Resp: 209270  
Ion Ratio Lower Upper  
106 100  
91 212.5 167.4 251.0

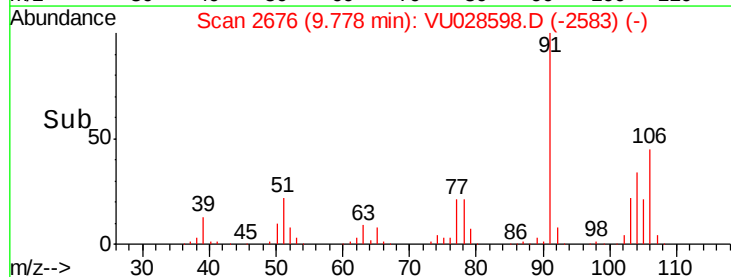
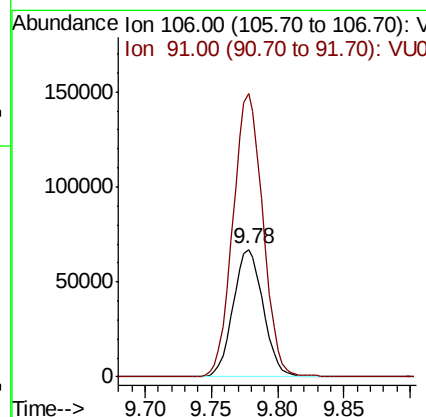
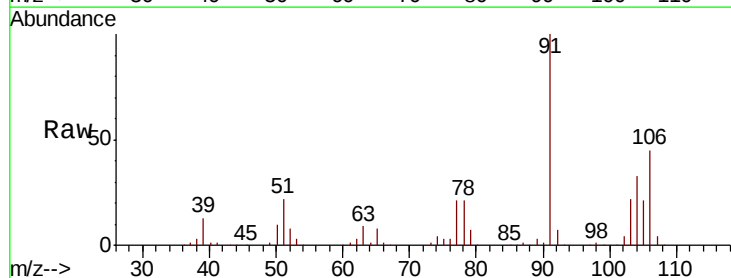
Manual Integrations  
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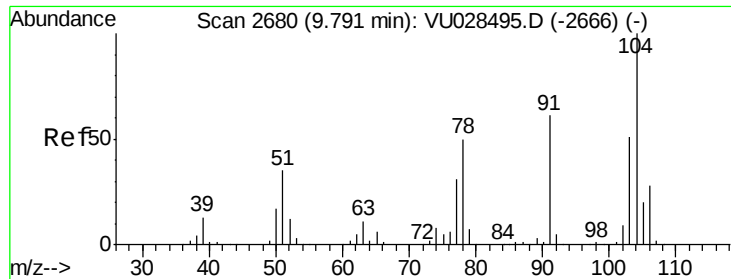
MMDadoda  
12/11/2018 3:02:58 PM



#69  
o-Xylene  
Concen: 51.140 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

Tgt Ion:106 Resp: 105808  
Ion Ratio Lower Upper  
106 100  
91 221.4 111.3 334.0





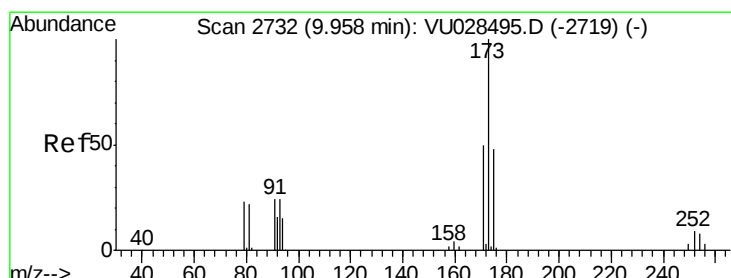
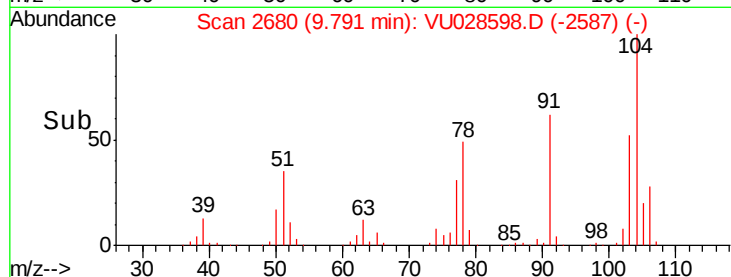
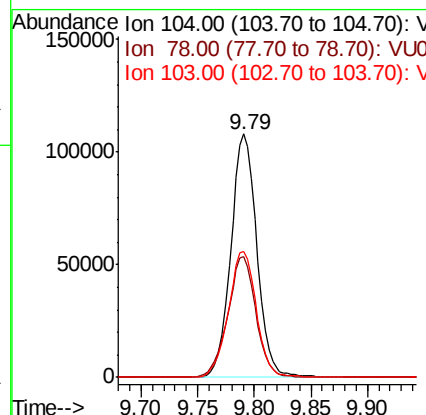
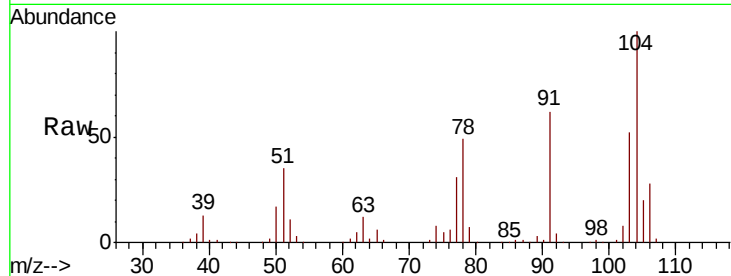
#70  
Stvrene  
Concen: 50.479 ug/l  
RT: 9.79 min Scan# 2680  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 172839 |       |       |
| 78      | 53.4  |        | 43.0  | 64.6  |
| 103     | 55.8  |        | 44.2  | 66.4  |

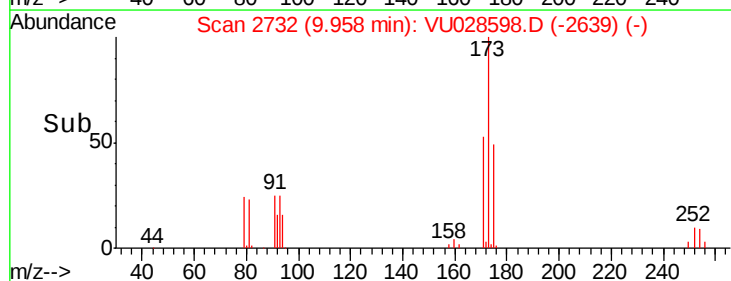
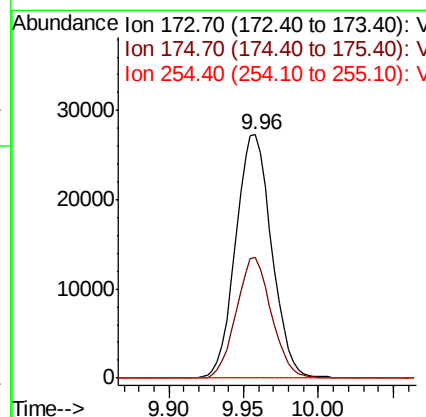
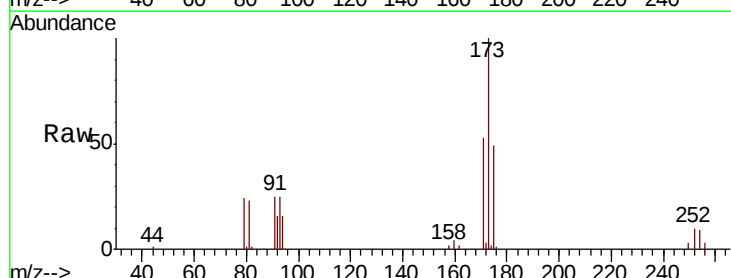
Manual Integrations  
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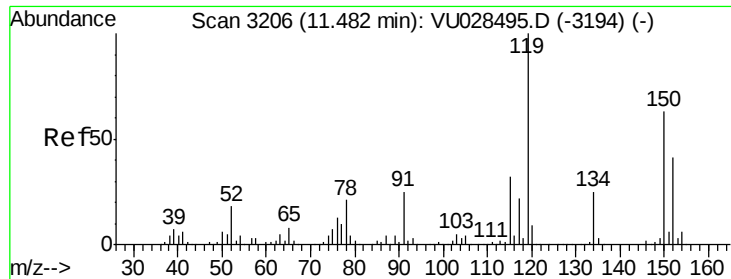
MMDadoda  
12/11/2018 3:02:58 PM



#71  
Bromoform  
Concen: 52.850 ug/l  
RT: 9.96 min Scan# 2732  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 173     | 100   | 45695 |       |       |
| 175     | 48.4  |       | 23.9  | 71.8  |
| 254     | 0.0   |       | 0.0   | 0.0   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW30312-20181207MSD

Tot Ion:152 Resp: 71113

Ion Ratio Lower Upper

152 100

115 86.0 42.7 128.1

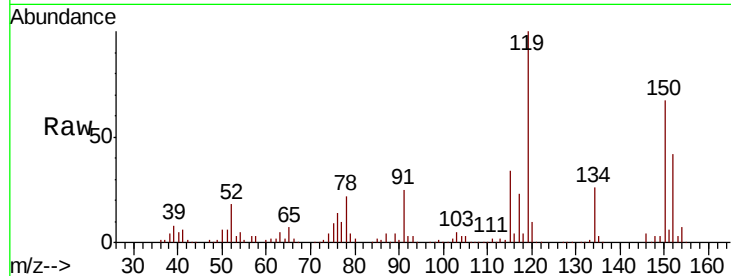
150 175.6 0.0 346.0

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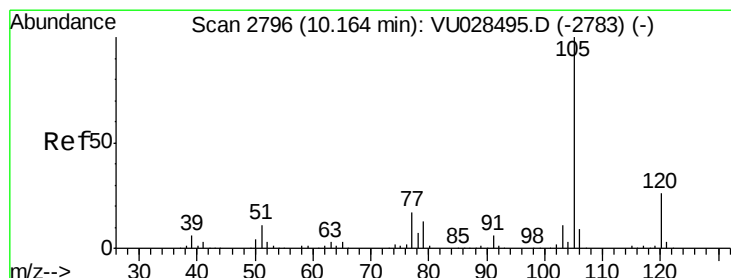
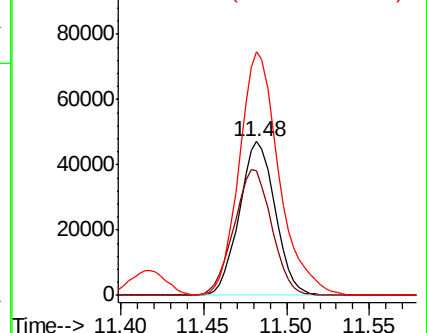
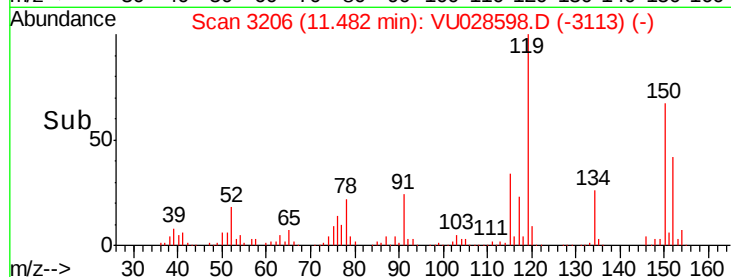
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 49.982 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028598.D

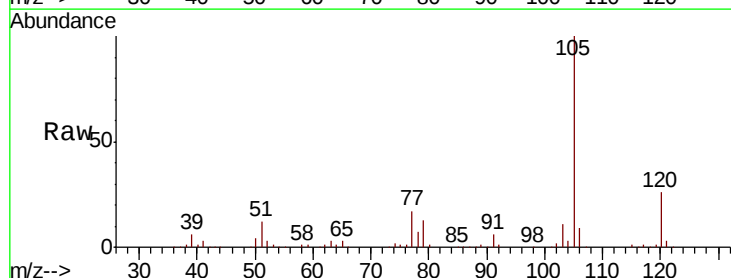
Acq: 11 Dec 2018 10:54

Tgt Ion:105 Resp: 272737

Ion Ratio Lower Upper

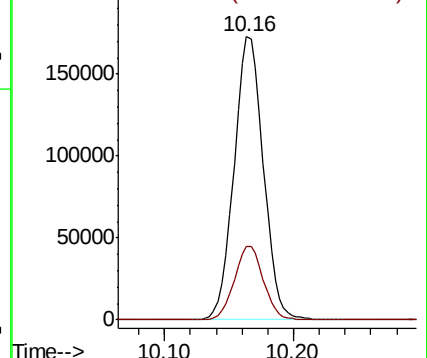
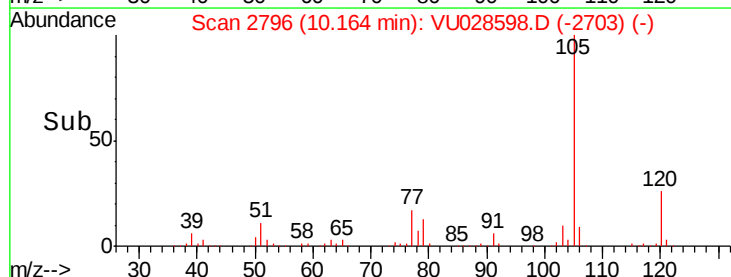
105 100

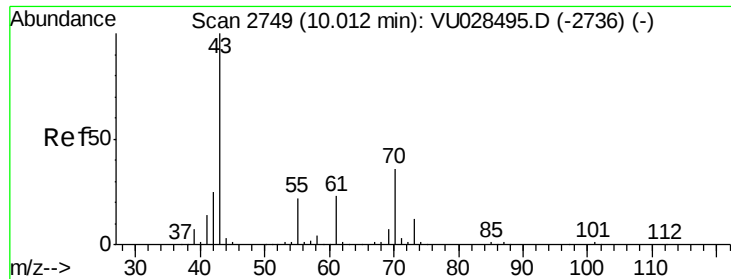
120 25.8 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 50.247 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

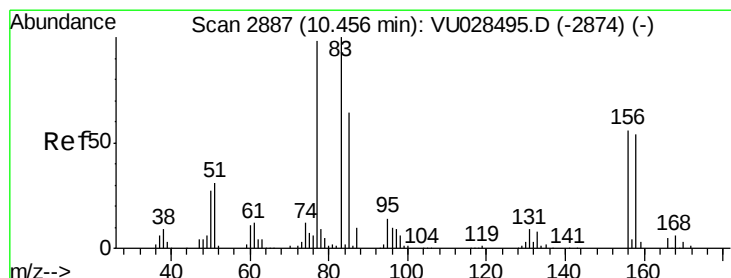
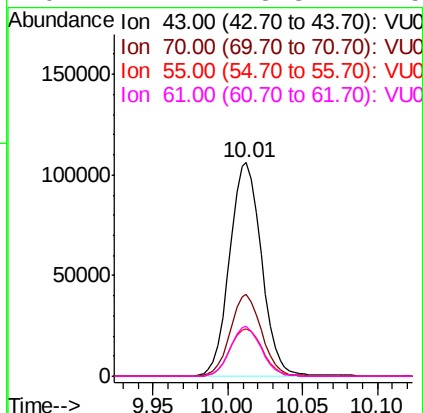
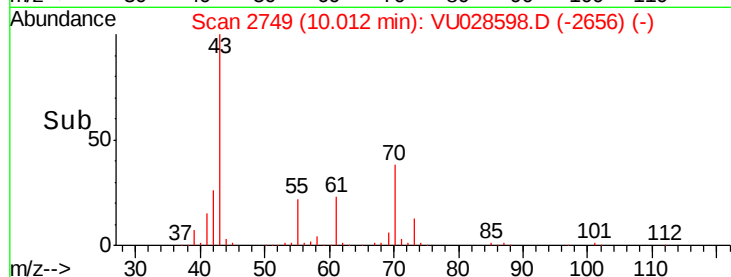
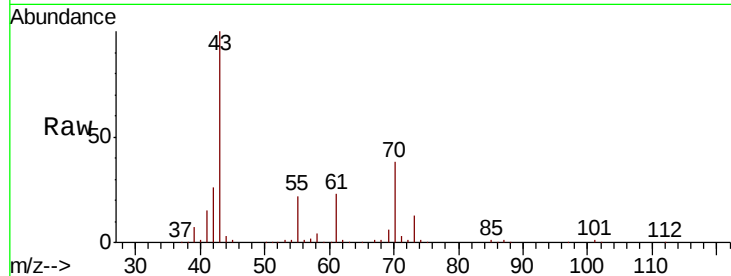
ClientSampleId :

BPS1-TT-MW303I2-20181207MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 158159 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 70       | 37.5  | 29.3  | 43.9   |
| 55       | 22.8  | 18.0  | 27.0   |
| 61       | 22.7  | 18.3  | 27.5   |

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#75

1,1,2,2-Tetrachloroethane

Concen: 54.505 ug/l

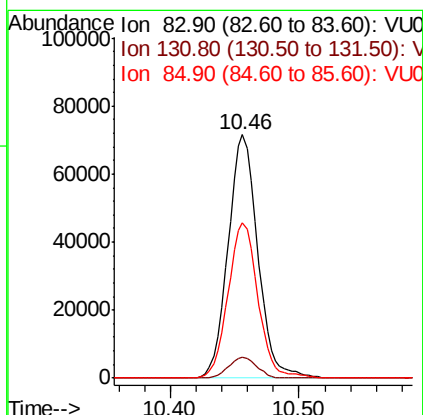
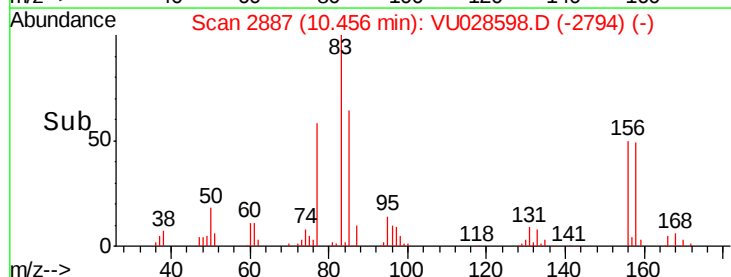
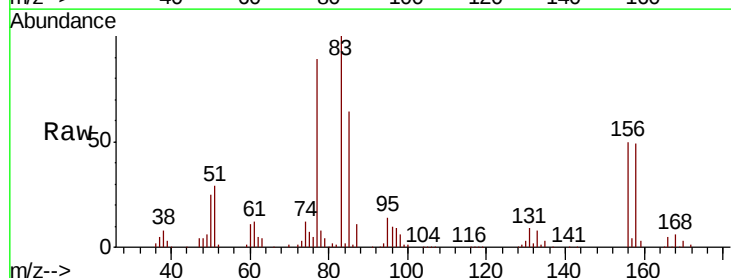
RT: 10.46 min Scan# 2887

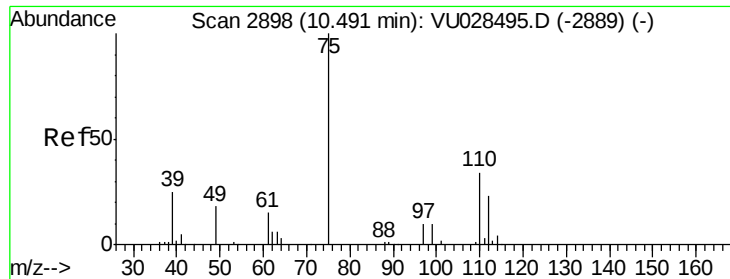
Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 114252 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 8.3   | 4.2   | 12.4   |
| 85       | 64.6  | 31.8  | 95.4   |





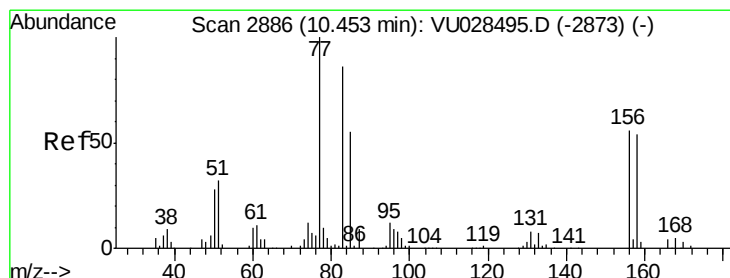
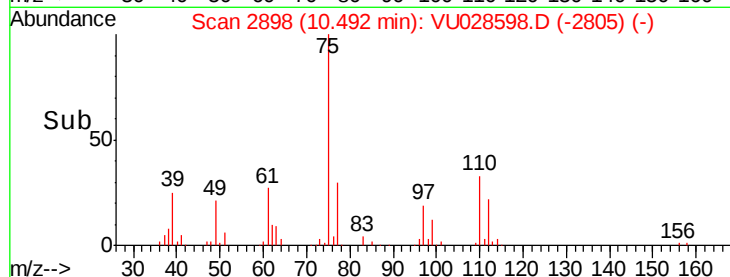
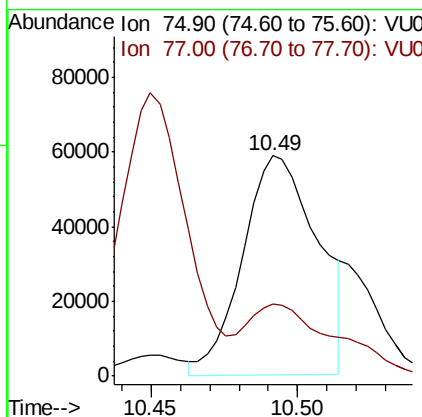
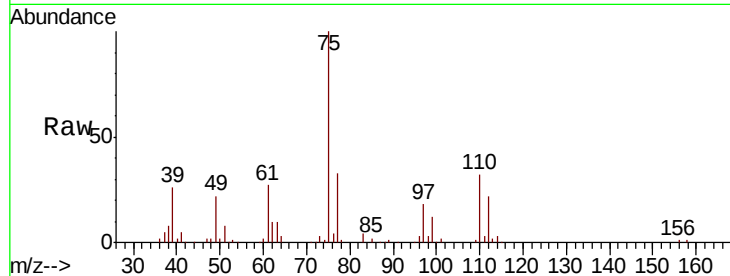
#76  
 1,2,3-Trichloropropane  
 Concen: 57.926 ug/l m  
 RT: 10.49 min Scan# 2898  
 Delta R.T. 0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

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

Tot Ion: 75 Resp: 105187  
 Ion Ratio Lower Upper  
 75 100  
 77 38.4 20.8 62.4

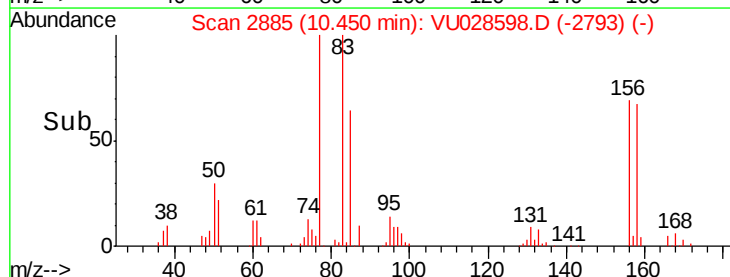
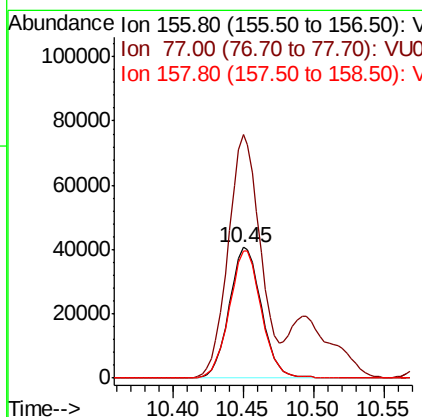
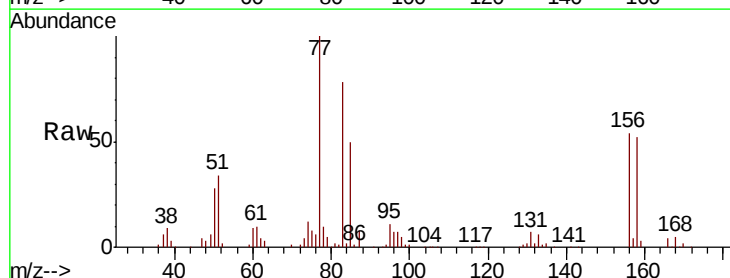
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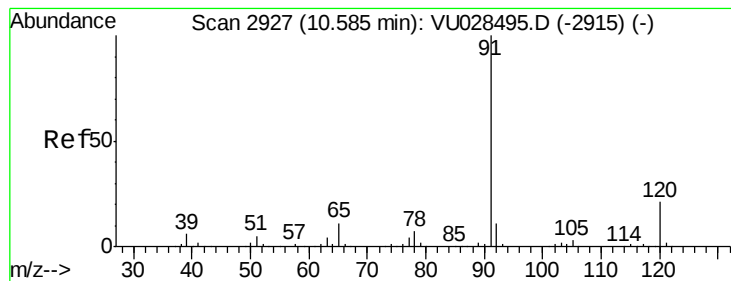
MMDadoda  
 12/11/2018 3:02:58 PM



#77  
 Bromobenzene  
 Concen: 50.886 ug/l  
 RT: 10.45 min Scan# 2885  
 Delta R.T. -0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

Tgt Ion: 156 Resp: 64940  
 Ion Ratio Lower Upper  
 156 100  
 77 186.0 92.4 277.2  
 158 97.2 48.4 145.3





#78

n-propylbenzene

Concen: 48.985 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

ClientSampleId :

BPS1-TT-MW30312-20181207MSD

Tot Ion: 91 Resp: 332145

Ion Ratio Lower Upper

91 100

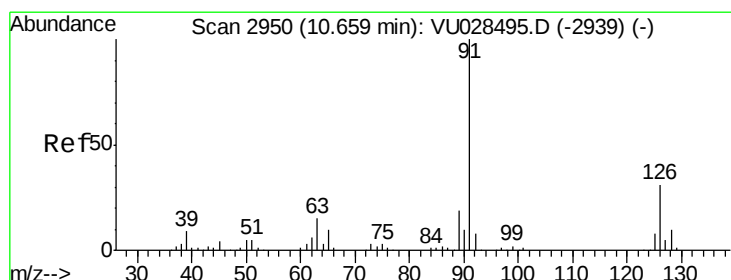
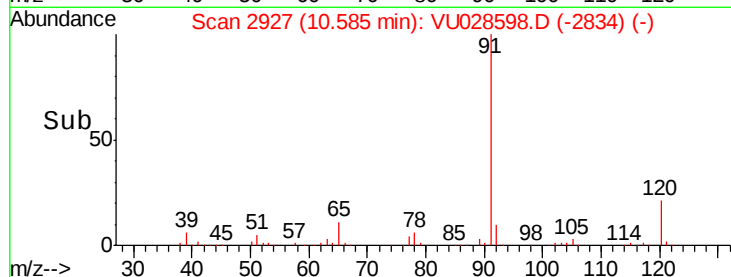
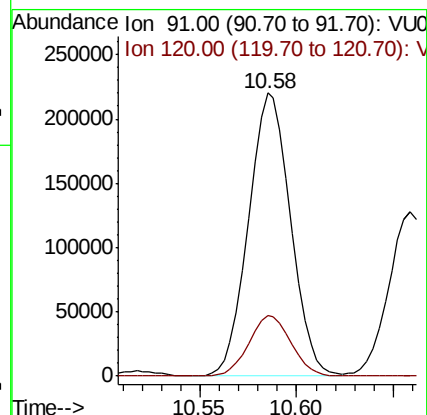
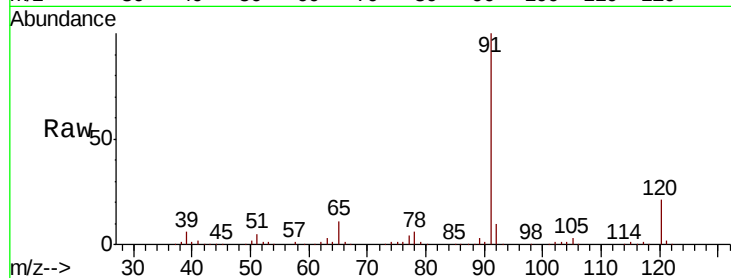
120 21.5 10.6 31.8

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12/11/2018 3:02:58 PM



#79

2-Chlorotoluene

Concen: 50.820 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028598.D

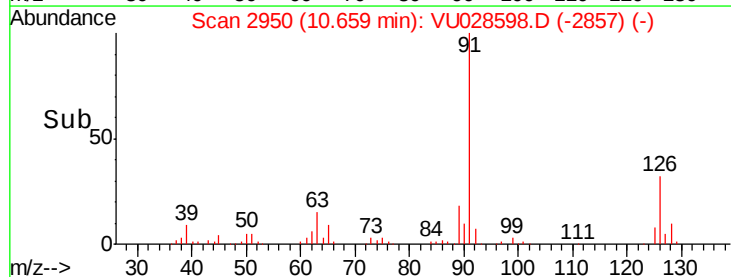
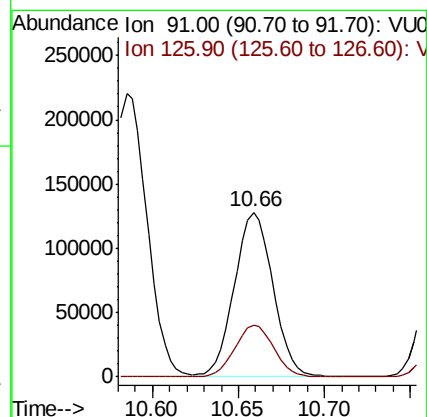
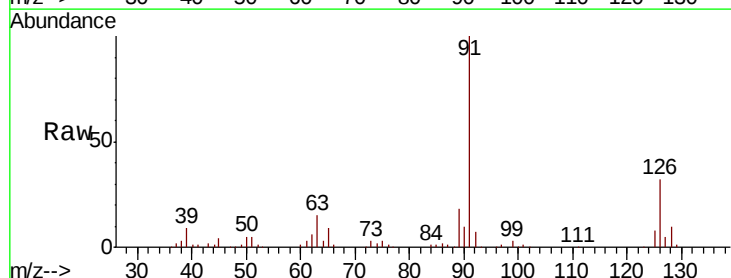
Acq: 11 Dec 2018 10:54

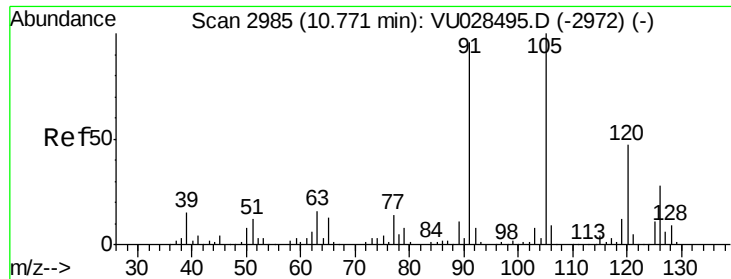
Tgt Ion: 91 Resp: 198491

Ion Ratio Lower Upper

91 100

126 32.0 15.6 46.8





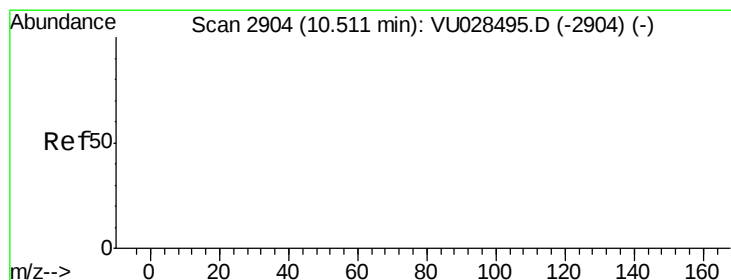
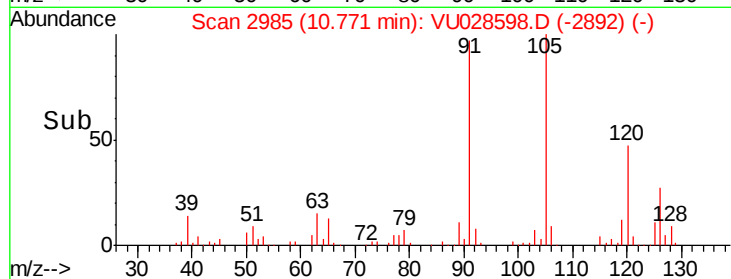
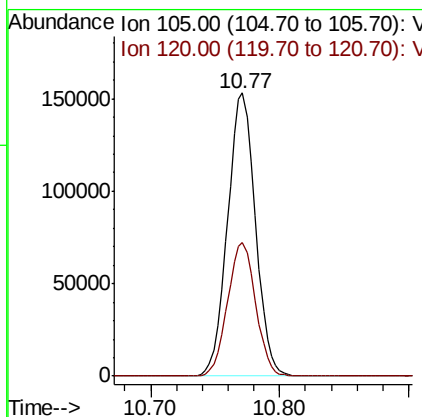
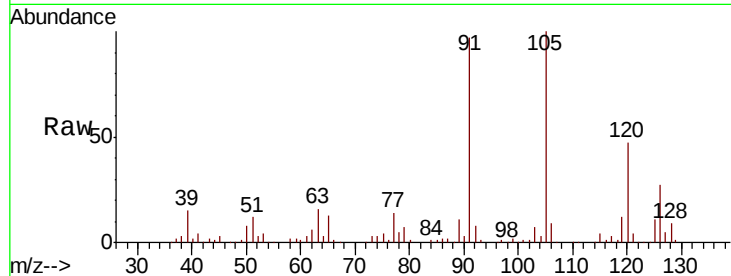
#80  
 1,3,5-Trimethylbenzene  
 Concen: 50.743 ug/l  
 RT: 10.77 min Scan# 2985  
 Delta R.T. 0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

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

Tot Ion:105 Resp: 229202  
 Ion Ratio Lower Upper  
 105 100  
 120 47.6 23.7 71.1

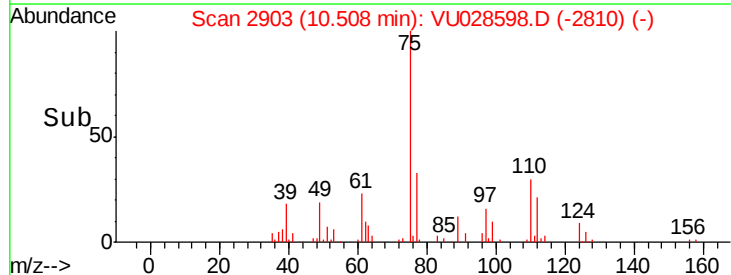
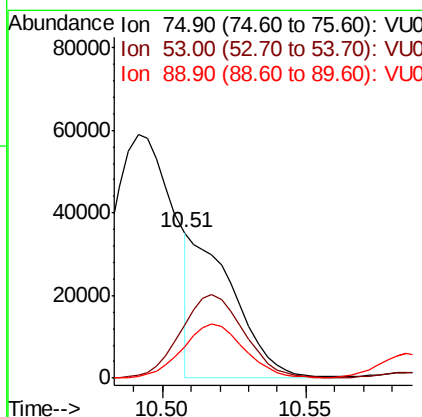
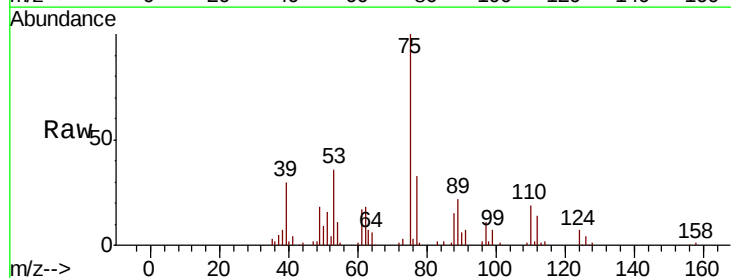
Manual Integrations  
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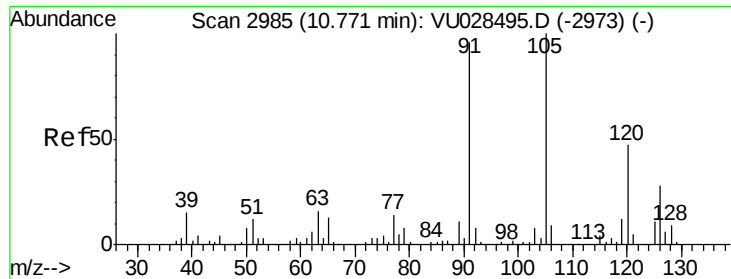
MMDadoda  
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#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 51.089 ug/l m  
 RT: 10.51 min Scan# 2903  
 Delta R.T. -0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

Tgt Ion: 75 Resp: 37741  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 0.0 0.0  
 89 0.0 0.0 0.0





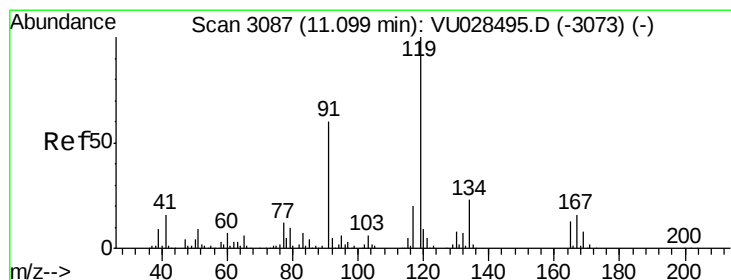
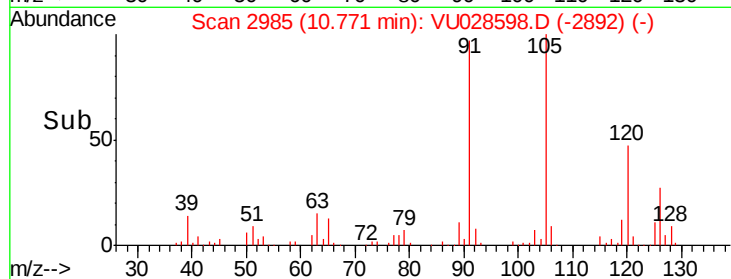
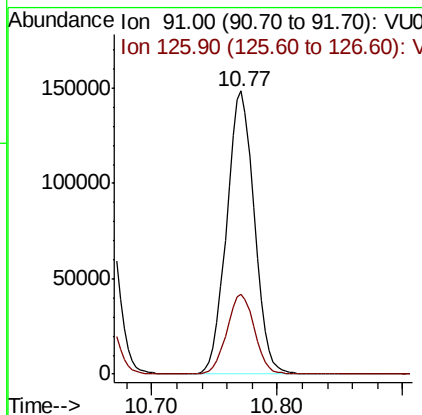
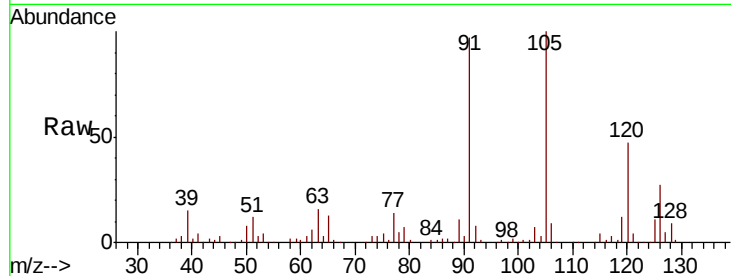
#82  
4-Chlorotoluene  
Concen: 48.803 ug/l  
RT: 10.77 min Scan# 2985  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

Tot Ion: 91 Resp: 225879  
Ion Ratio Lower Upper  
91 100  
126 28.2 14.1 42.3

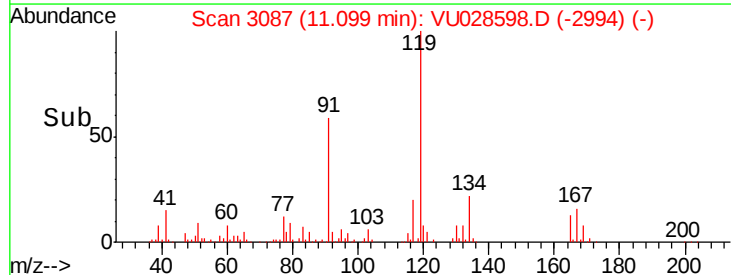
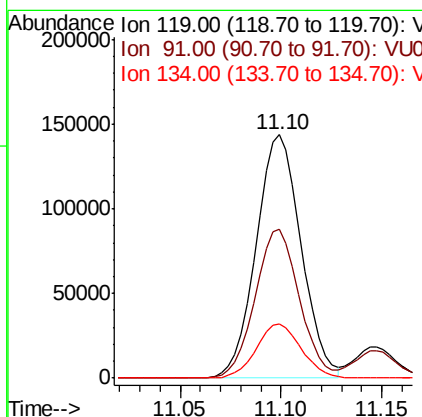
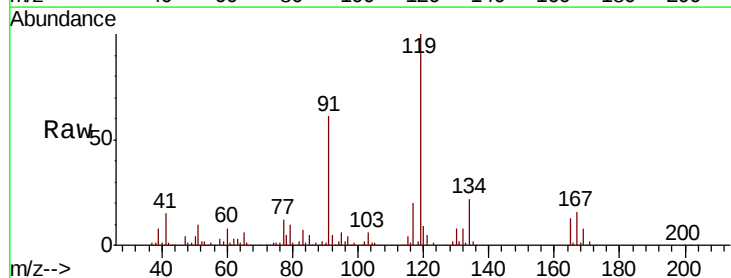
Manual Integrations  
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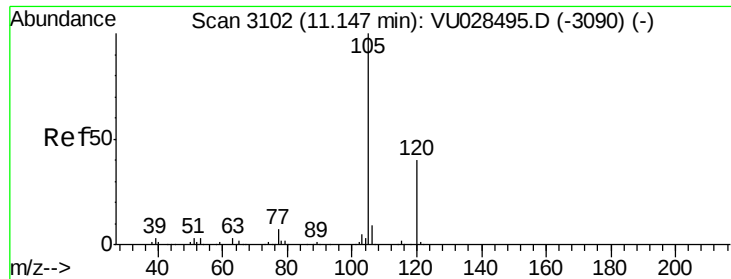
MMDadoda  
12/11/2018 3:02:58 PM



#83  
tert-Butylbenzene  
Concen: 51.414 ug/l  
RT: 11.10 min Scan# 3087  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

Tgt Ion: 119 Resp: 223840  
Ion Ratio Lower Upper  
119 100  
91 60.3 30.3 91.0  
134 22.0 11.2 33.5





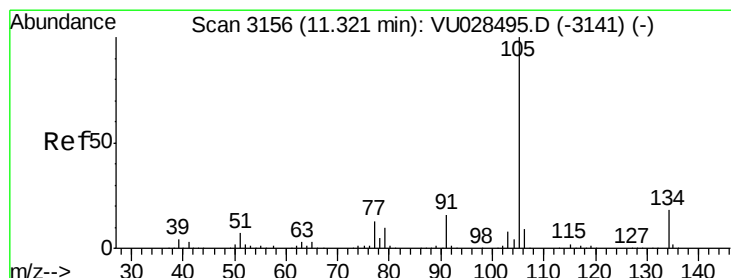
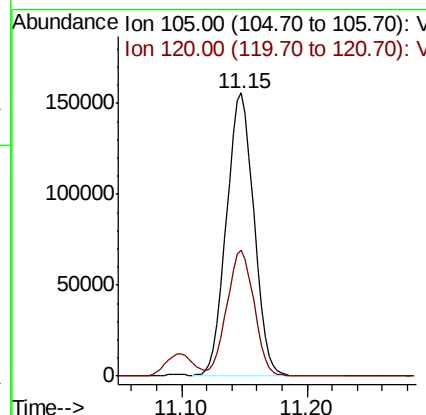
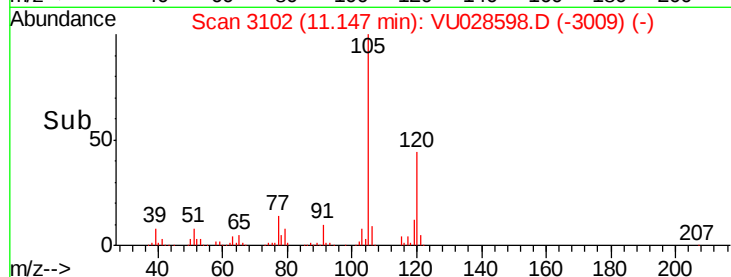
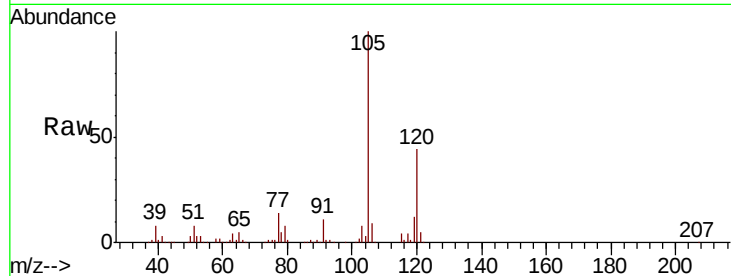
#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.808 ug/l  
 RT: 11.15 min Scan# 3102  
 Delta R.T. 0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.1  | 21.8  | 65.4  |

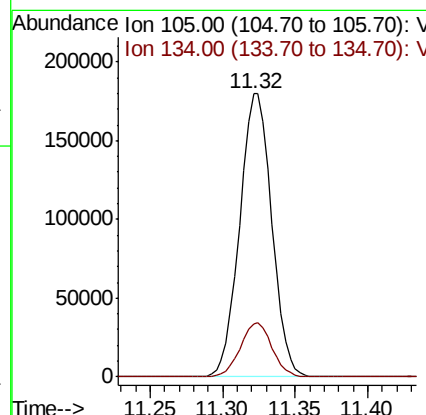
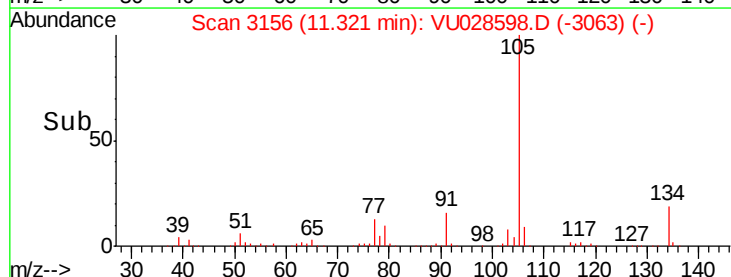
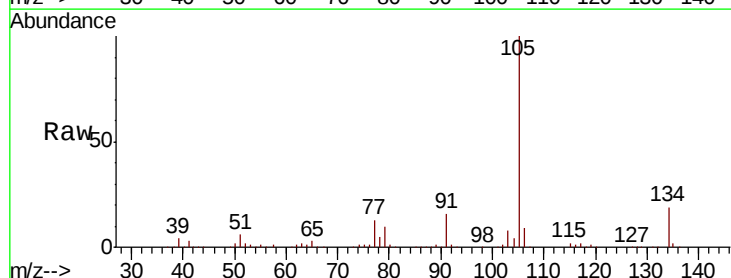
Manual Integrations  
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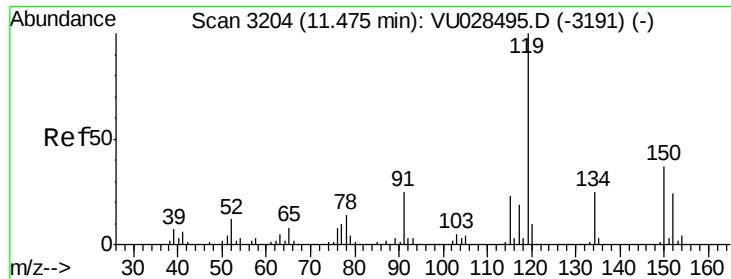
MMDadoda  
 12/11/2018 3:02:58 PM



#85  
 sec-Butylbenzene  
 Concen: 49.378 ug/l  
 RT: 11.32 min Scan# 3156  
 Delta R.T. 0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 18.7  | 9.2   | 27.6  |





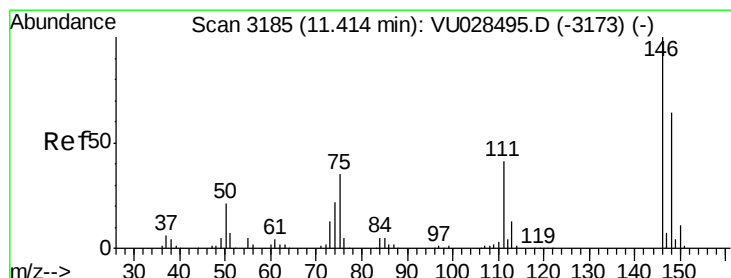
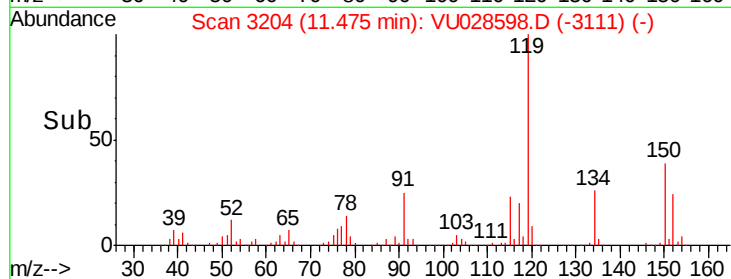
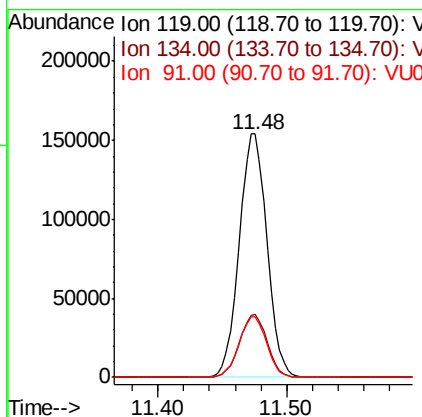
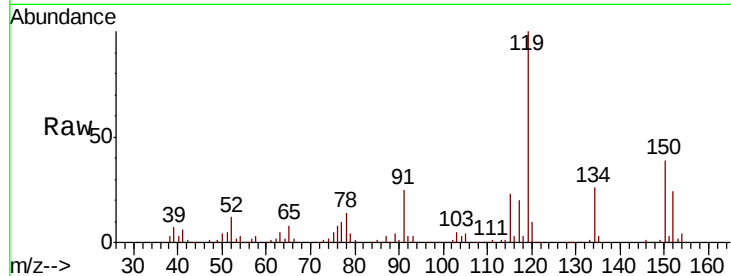
#86  
p-Isopropyltoluene  
Concen: 48.410 ug/l  
RT: 11.48 min Scan# 3204  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.7  | 12.7  | 38.1  |
| 91      | 24.7  | 12.6  | 37.6  |

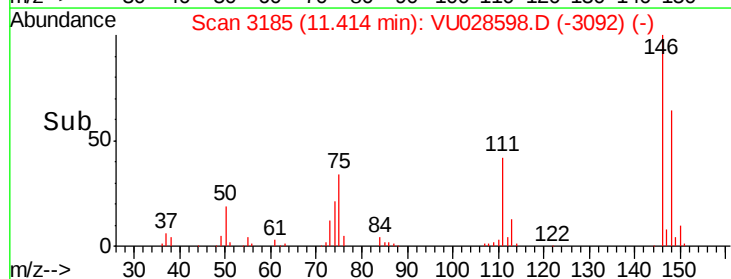
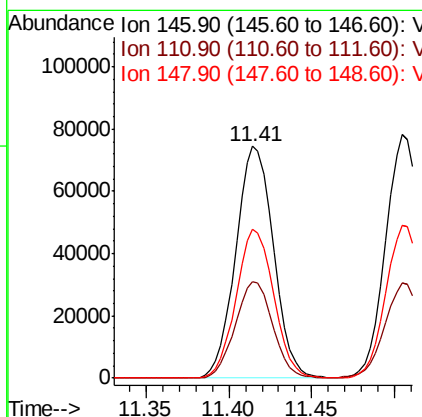
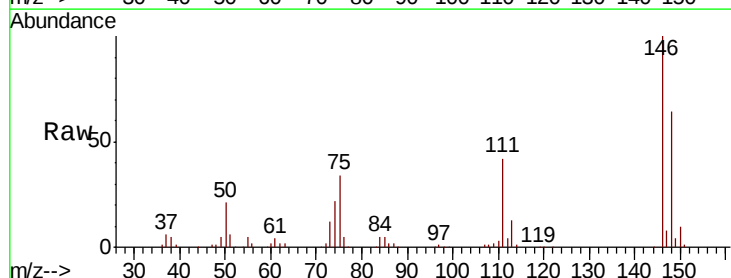
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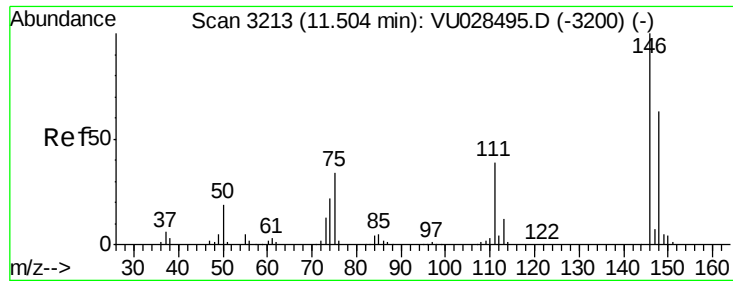
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#87  
1,3-Dichlorobenzene  
Concen: 49.010 ug/l  
RT: 11.41 min Scan# 3185  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.2  | 20.7  | 62.1  |
| 148     | 63.9  | 31.9  | 95.7  |





#88

1,4-Dichlorobenzene

Concen: 48.496 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

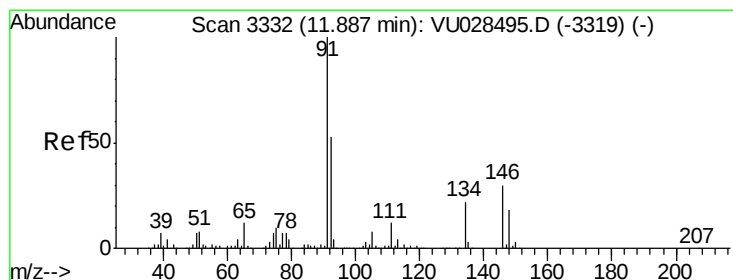
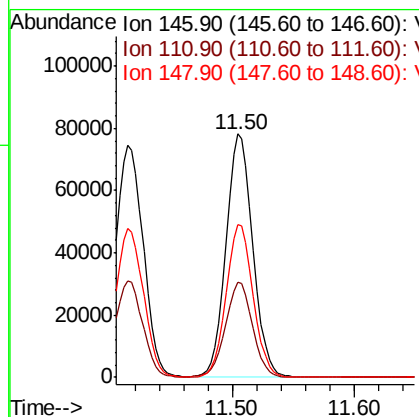
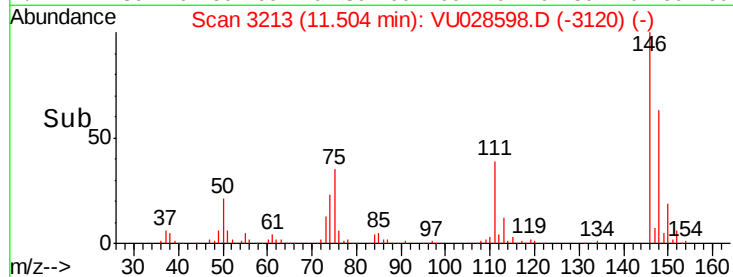
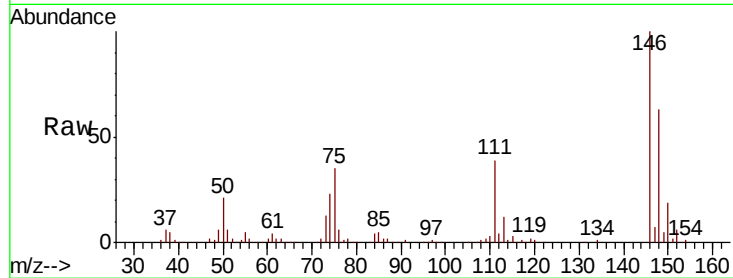
ClientSampleId :

BPS1-TT-MW30312-20181207MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 120910 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.7  | 20.2  | 60.5   |
| 148       | 63.1  | 31.6  | 95.0   |

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#89

n-Butylbenzene

Concen: 45.814 ug/l

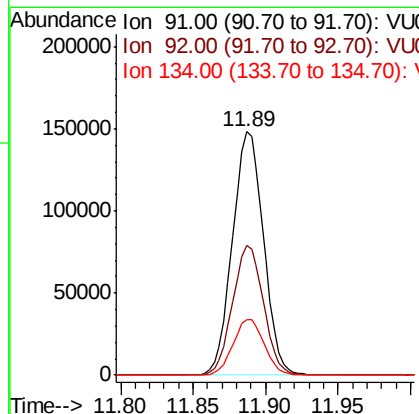
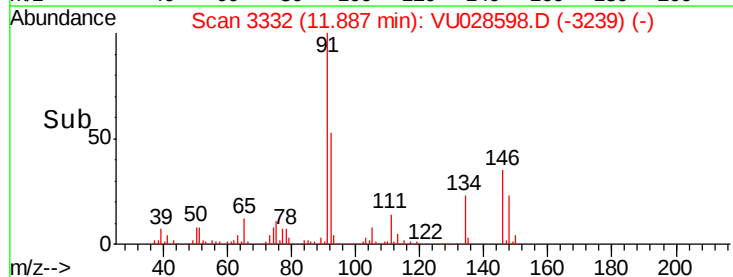
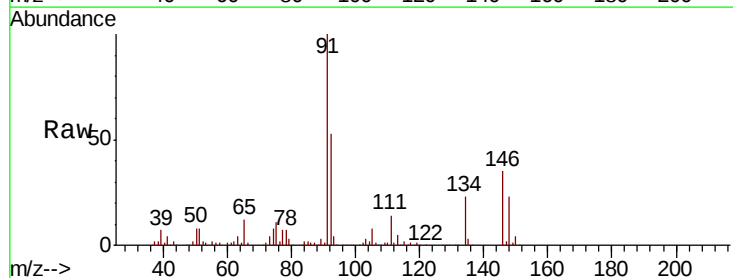
RT: 11.89 min Scan# 3332

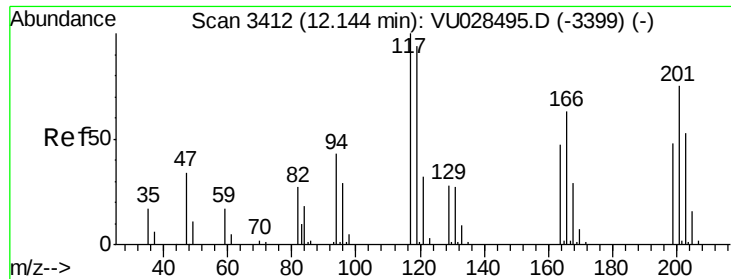
Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 220289 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 52.9  | 26.3  | 78.9   |
| 134       | 22.8  | 11.3  | 33.8   |





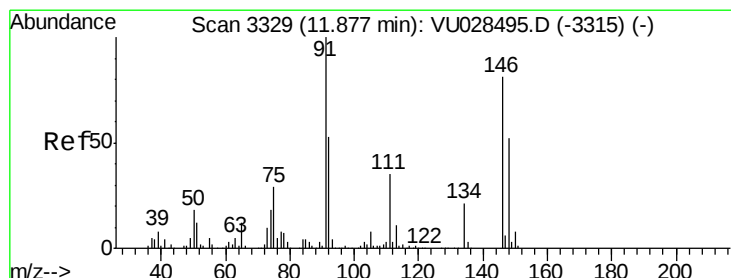
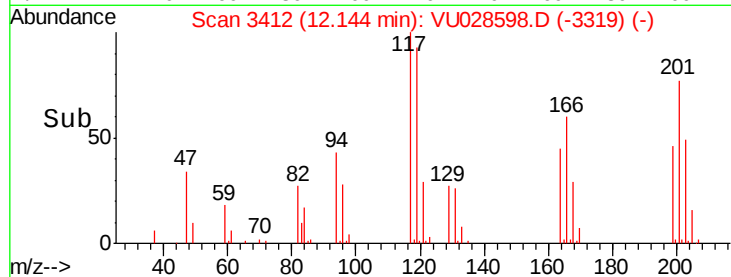
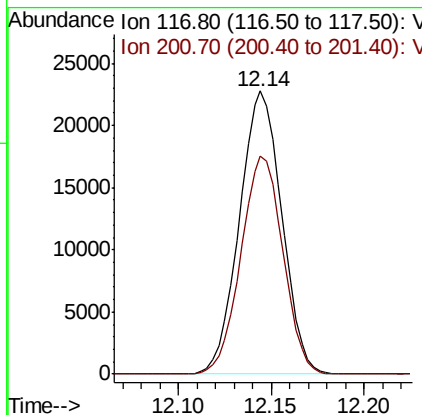
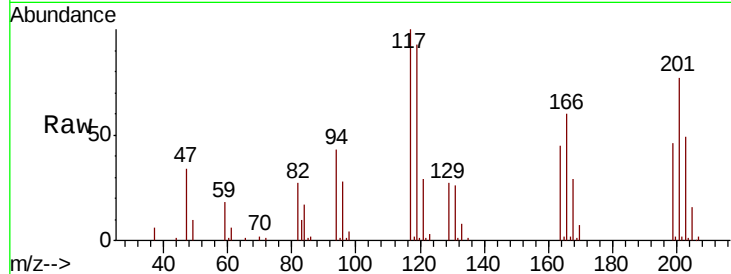
#90  
Hexachloroethane  
Concen: 50.316 ug/l  
RT: 12.14 min Scan# 3412  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

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

Tot Ion:117 Resp: 36133  
Ion Ratio Lower Upper  
117 100  
201 76.2 38.1 114.5

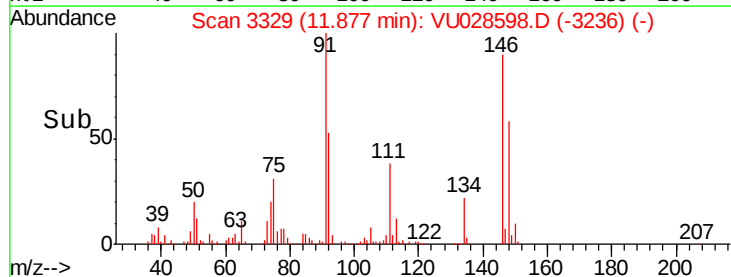
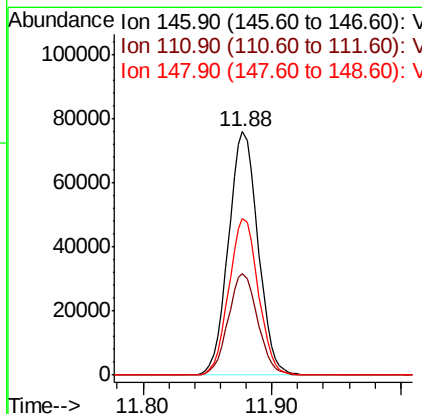
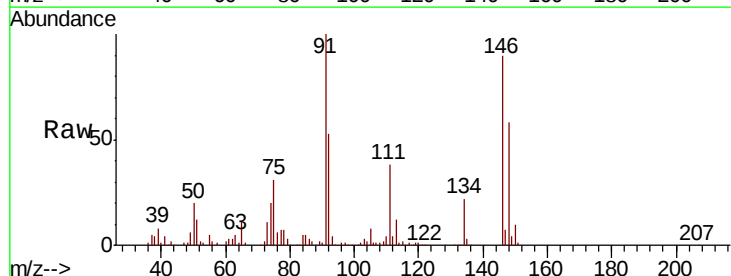
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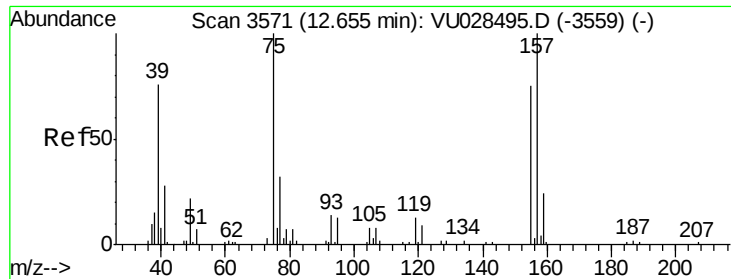
MMDadoda  
12/11/2018 3:02:58 PM



#91  
1,2-Dichlorobenzene  
Concen: 50.091 ug/l  
RT: 11.88 min Scan# 3329  
Delta R.T. 0.00 min  
Lab File: VU028598.D  
Acq: 11 Dec 2018 10:54

Tgt Ion:146 Resp: 120742  
Ion Ratio Lower Upper  
146 100  
111 41.6 21.1 63.4  
148 64.0 31.4 94.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 55.967 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

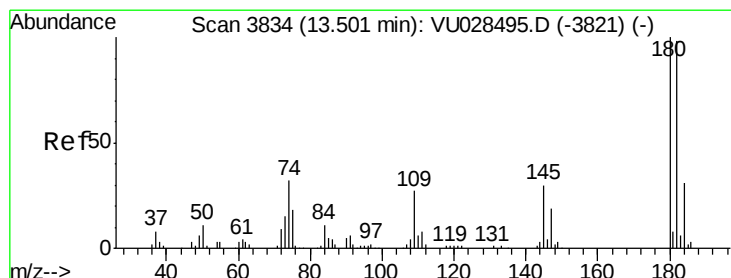
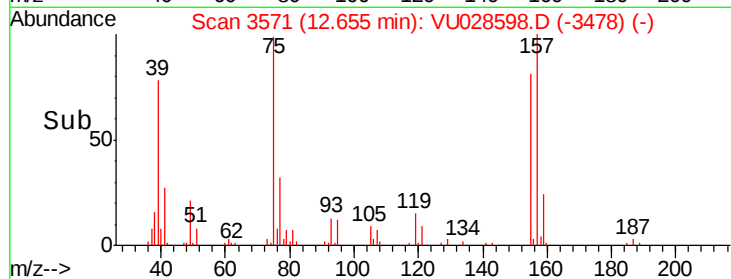
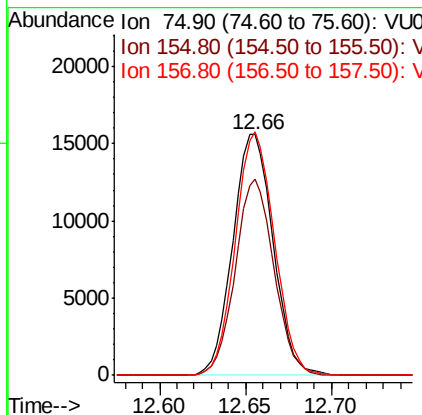
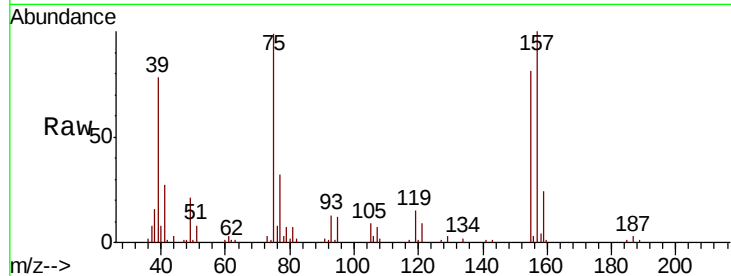
ClientSampleId :

BPS1-TT-MW30312-20181207MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 25399 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 77.8  | 38.1  | 114.5 |
| 157      | 97.8  | 48.7  | 146.1 |

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12/11/2018 3:02:58 PM



#93

1,2,4-Trichlorobenzene

Concen: 46.772 ug/l

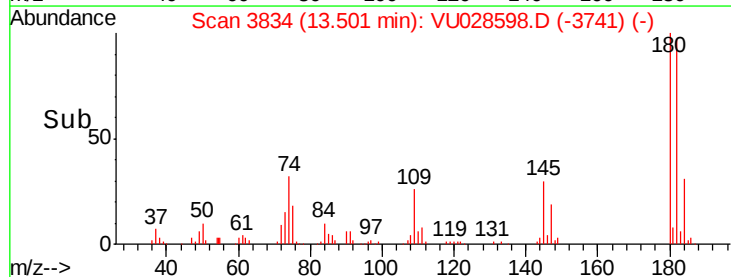
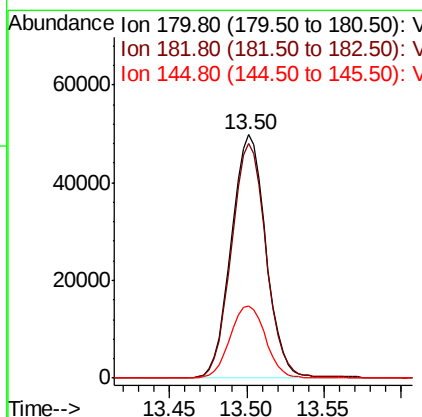
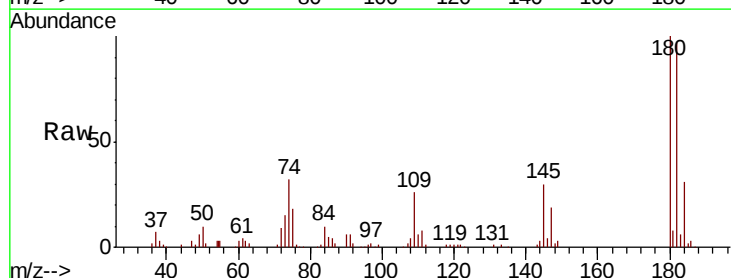
RT: 13.50 min Scan# 3834

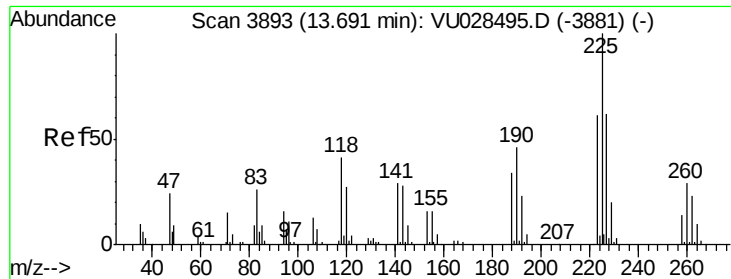
Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 77381 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 96.7  | 47.9  | 143.8 |
| 145      | 30.3  | 15.0  | 45.1  |





#94

Hexachlorobutadiene

Concen: 43.551 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

Instrument :

MSVOA\_U

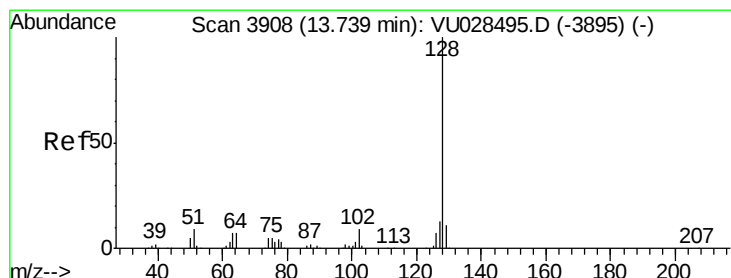
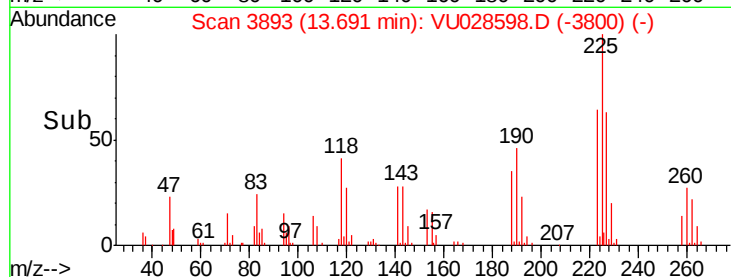
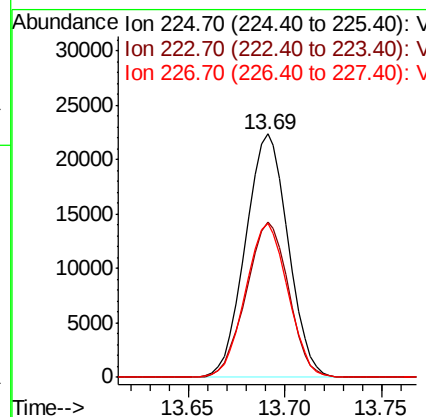
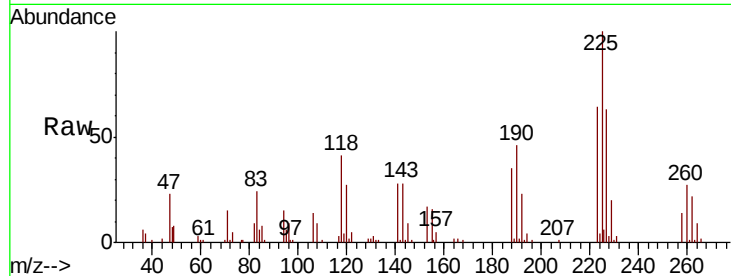
ClientSampleId :

BPS1-TT-MW30312-20181207MSD

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 225  | Resp: | 34387 |
| Ion Ratio |      | Lower | Upper |
| 225       | 100  |       |       |
| 223       | 63.3 | 30.4  | 91.2  |
| 227       | 62.8 | 30.7  | 92.1  |

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#95

Naphthalene

Concen: 49.495 ug/l

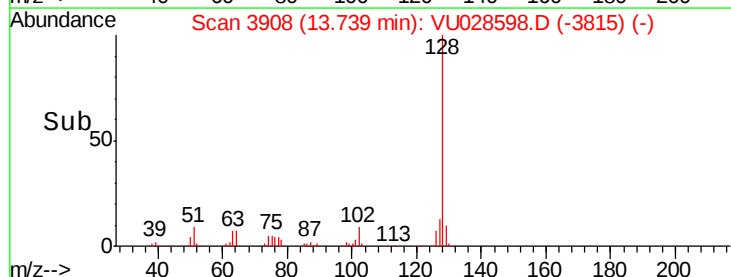
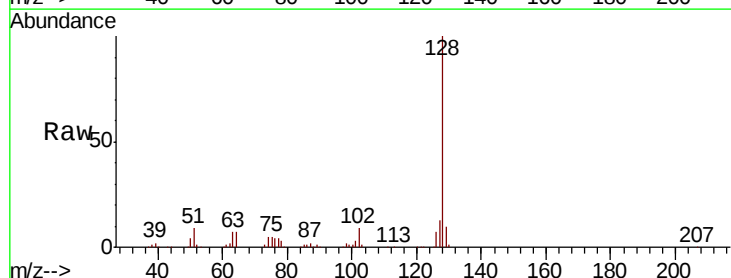
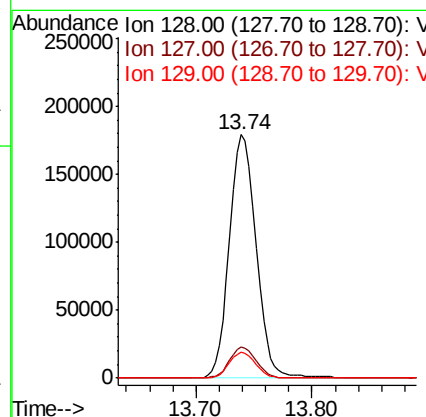
RT: 13.74 min Scan# 3908

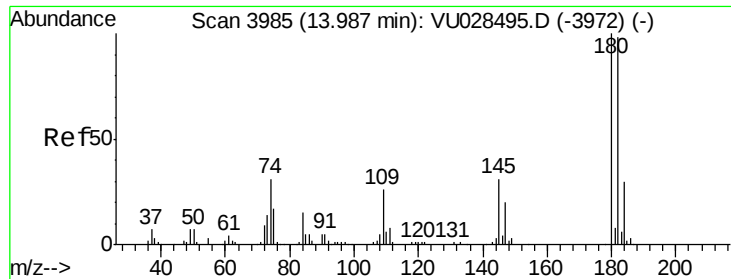
Delta R.T. 0.00 min

Lab File: VU028598.D

Acq: 11 Dec 2018 10:54

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 128  | Resp: | 286291 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 12.7 | 10.4  | 15.6   |
| 129       | 10.7 | 8.6   | 13.0   |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 48.691 ug/l  
 RT: 13.99 min Scan# 3985  
 Delta R.T. 0.00 min  
 Lab File: VU028598.D  
 Acq: 11 Dec 2018 10:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.3  | 48.2  | 144.6 |
| 145     | 31.3  | 15.8  | 47.3  |

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