

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\  
 Data File : VU027944.D  
 Acq On : 05 Nov 2018 10:07  
 Operator : MD/SY  
 Sample : VU1105WBSD01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 11/6/2018 12:06:53 PM

Quant Time: Nov 06 03:58:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 187170   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 319413   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 294012   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 140023   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 132832   | 47.73 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.46% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 95956    | 47.65 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.30% |      |
| 50) Toluene-d8            | 7.57   | 98  | 372486   | 47.88 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.76% |      |
| 62) 4-Bromofluorobenzene  | 10.31  | 95  | 136504   | 47.57 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.14% |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 40276  | 16.935 | ug/l | 98     |
| 3) Chloromethane              | 1.33 | 50  | 50666  | 17.615 | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 51169  | 17.924 | ug/l | 99     |
| 5) Bromomethane               | 1.63 | 94  | 24517  | 23.224 | ug/l | 100    |
| 6) Chloroethane               | 1.70 | 64  | 31075  | 18.889 | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.89 | 101 | 62276  | 18.878 | ug/l | 96     |
| 8) Diethyl Ether              | 2.11 | 74  | 26558  | 18.802 | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101 | 38647  | 19.721 | ug/l | 98     |
| 10) Methyl Iodide             | 2.41 | 142 | 31710  | 22.644 | ug/l | 96     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 63703  | 86.472 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.29 | 96  | 36816  | 18.768 | ug/l | 97     |
| 13) Acrolein                  | 2.20 | 56  | 19238  | 65.993 | ug/l | 94     |
| 14) Allyl chloride            | 2.59 | 41  | 86137  | 17.966 | ug/l | 98     |
| 15) Acrylonitrile             | 2.94 | 53  | 176487 | 97.528 | ug/l | 99     |
| 16) Acetone                   | 2.32 | 43  | 171852 | 99.537 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.48 | 76  | 115862 | 18.070 | ug/l | 99     |
| 18) Methyl Acetate            | 2.62 | 43  | 89308  | 18.804 | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 154583 | 19.541 | ug/l | 98     |
| 20) Methylene Chloride        | 2.70 | 84  | 48140  | 19.097 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 2.99 | 96  | 40398  | 17.845 | ug/l | 95     |
| 22) Diisopropyl ether         | 3.58 | 45  | 190211 | 19.217 | ug/l | 96     |
| 23) Vinyl Acetate             | 3.53 | 43  | 831354 | 97.730 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.45 | 63  | 93325  | 18.929 | ug/l | 100    |
| 25) 2-Butanone                | 4.26 | 43  | 268952 | 97.917 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 74390  | 20.106 | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96  | 50319  | 19.821 | ug/l | 100    |
| 28) Bromochloromethane        | 4.55 | 49  | 47661  | 20.621 | ug/l | 99     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 169805 | 92.582 | ug/l | 100    |
| 30) Chloroform                | 4.68 | 83  | 83738  | 18.524 | ug/l | 95     |
| 31) Cyclohexane               | 5.00 | 56  | 90916  | 17.700 | ug/l | 94     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 67886  | 18.865 | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.14 | 75  | 62974  | 18.825 | ug/l | 99     |
| 37) Ethyl Acetate             | 4.39 | 43  | 95526  | 19.489 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.14 | 117 | 57455  | 19.380 | ug/l | 95     |

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 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VU1105WBSD01

Manual Integrations  
 APPROVED

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 11/6/2018 12:06:53 PM

Quant Time: Nov 06 03:58:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 78664    | 19.496  | ug/l   | 98       |
| 40) Benzene                    | 5.39  | 78   | 198419   | 19.400  | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.54  | 41   | 52655    | 20.129  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 5.41  | 62   | 70499    | 19.392  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 152143   | 19.812  | ug/l   | 99       |
| 44) Trichloroethene            | 6.19  | 130  | 42424    | 19.297  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 57816    | 19.601  | ug/l   | 95       |
| 46) Dibromomethane             | 6.56  | 93   | 33372    | 19.683  | ug/l   | 97       |
| 47) Bromodichloromethane       | 6.76  | 83   | 65671    | 20.099  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 75236    | 19.992  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 6.62  | 88   | 20910    | 340.568 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 491833   | 95.901  | ug/l   | 100      |
| 52) Toluene                    | 7.64  | 92   | 114934   | 19.114  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 76586    | 19.597  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 83763    | 20.796  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 47788    | 19.535  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 85926    | 19.918  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 86668    | 19.449  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 227492   | 98.459  | ug/l   | 100      |
| 59) 2-Hexanone                 | 8.36  | 43   | 385822   | 97.268  | ug/l   | 100      |
| 60) Dibromochloromethane       | 8.48  | 129  | 48309    | 20.869  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 50804    | 19.545  | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.23  | 164  | 36462    | 19.126  | ug/l   | 99       |
| 65) Chlorobenzene              | 9.12  | 112  | 119642   | 19.261  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 43196    | 20.359  | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.25  | 91   | 225185   | 19.695  | ug/l   | 100      |
| 68) m/p-Xylenes                | 9.38  | 106  | 163663   | 39.450  | ug/l   | 100      |
| 69) o-Xylene                   | 9.78  | 106  | 80296    | 19.167  | ug/l   | 99       |
| 70) Styrene                    | 9.79  | 104  | 129609   | 19.363  | ug/l   | 100      |
| 71) Bromoform                  | 9.96  | 173  | 34867    | 19.609  | ug/l # | 100      |
| 73) Isopropylbenzene           | 10.17 | 105  | 219078   | 20.196  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.01 | 43   | 130362   | 19.874  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 86062    | 19.669  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 74355m   | 19.414  | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 50834    | 20.437  | ug/l   | 97       |
| 78) n-propylbenzene            | 10.59 | 91   | 259993   | 20.024  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 151882   | 19.515  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 180602   | 20.098  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 28905m   | 19.007  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 169820   | 19.220  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.10 | 119  | 174145   | 19.385  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 180452   | 19.943  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 218601   | 20.009  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 182172   | 19.946  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 89289    | 19.433  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 92306    | 19.600  | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 172169   | 19.835  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.14 | 117  | 33152    | 20.388  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 91232    | 19.744  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 18933    | 20.535  | ug/l   | 97       |

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Sample : VU1105WBSD01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Manual Integrations  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 02 02:28:20 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 59150    | 18.688 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 28910    | 19.686 | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 212008   | 18.344 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 62071    | 20.019 | ug/l  | 99       |

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

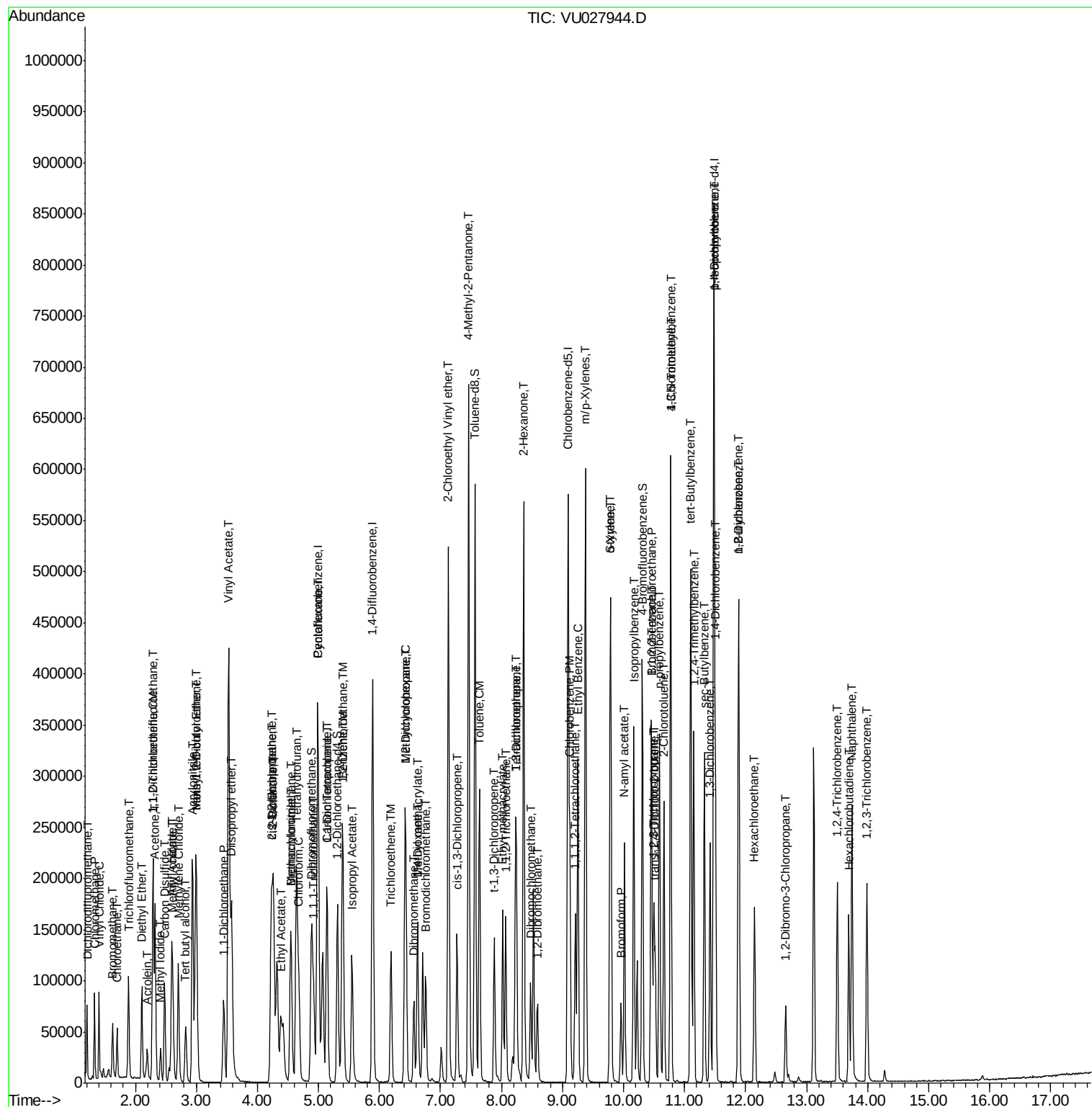
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110518\  
Data File : VU027944.D  
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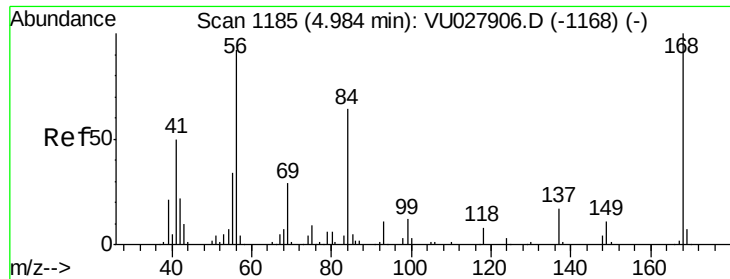
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

Manual Integrations  
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11/6/2018 12:06:53 PM

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Quant Title : SW846 8260  
QLast Update : Fri Nov 02 02:28:20 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBSD01

Tot Ion:168 Resp: 187170

Ion Ratio Lower Upper

168 100

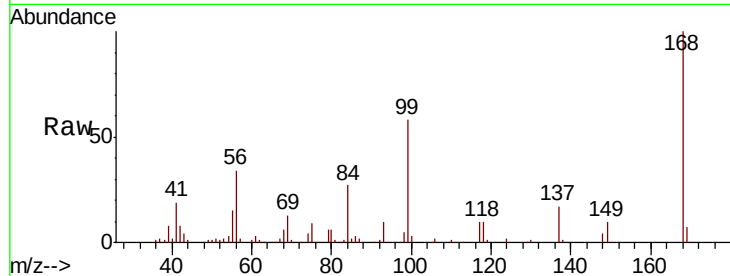
99 58.3 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

11/6/2018 12:06:53 PM



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

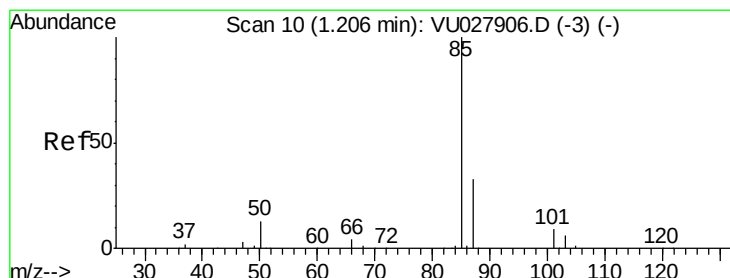
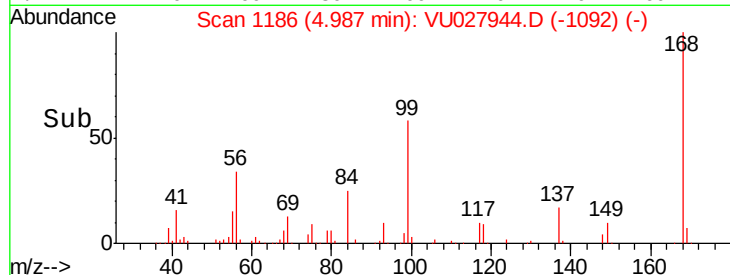
40000

20000

0

Time-->

4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 16.935 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027944.D

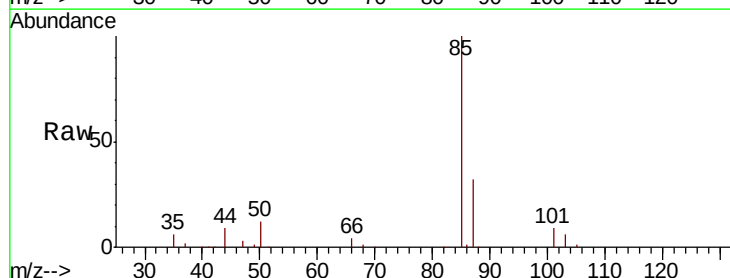
Acq: 05 Nov 2018 10:07

Tgt Ion: 85 Resp: 40276

Ion Ratio Lower Upper

85 100

87 31.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

40000

30000

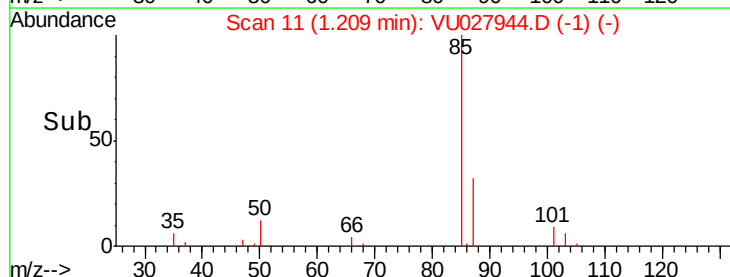
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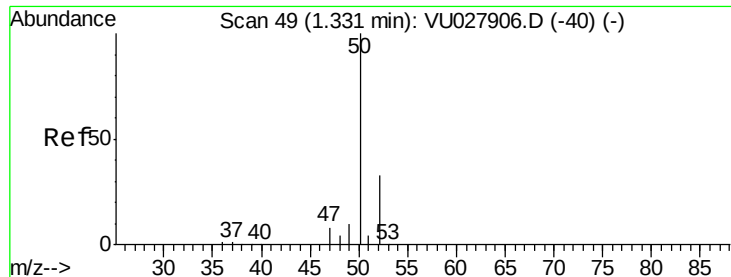
10000

0

Time-->

1.20 1.25





#3

Chloromethane

Concen: 17.615 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBSD01

Tot Ion: 50 Resp: 50666

Ion Ratio Lower Upper

50 100

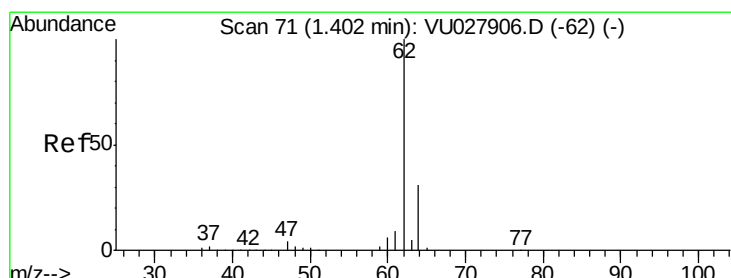
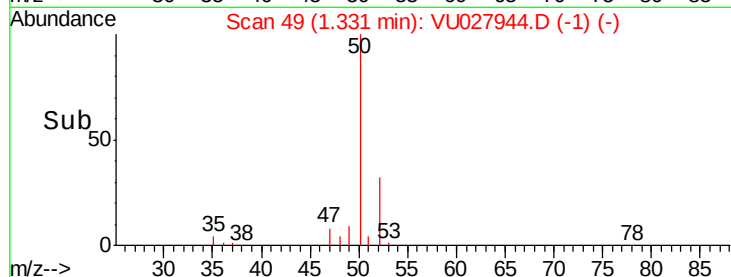
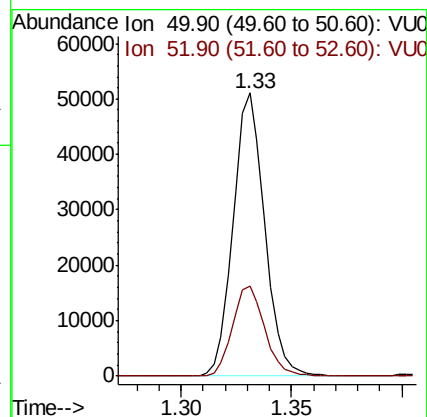
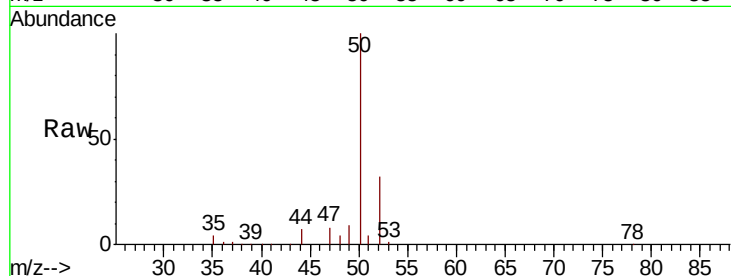
52 32.0 26.2 39.4

Manual Integrations

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11/6/2018 12:06:53 PM



#4

Vinyl Chloride

Concen: 17.924 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027944.D

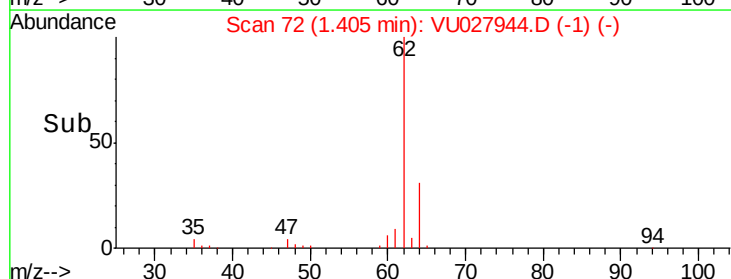
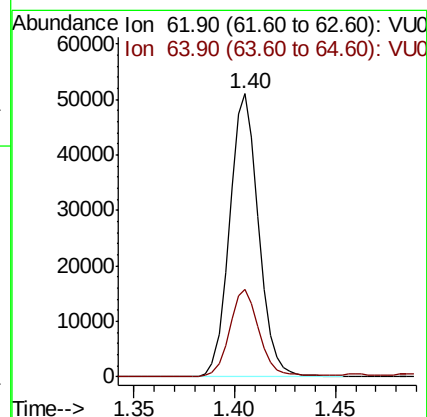
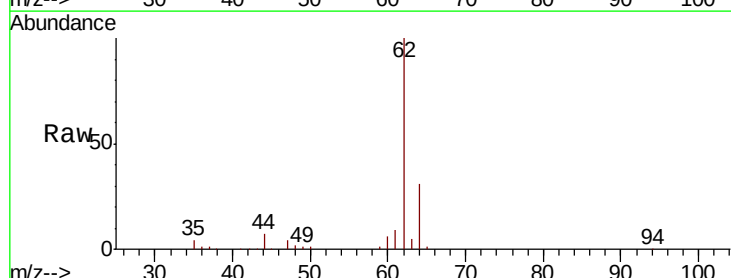
Acq: 05 Nov 2018 10:07

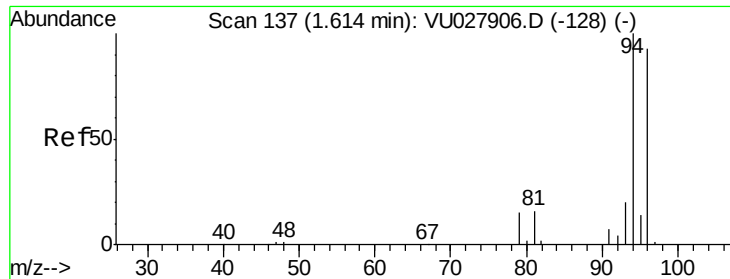
Tgt Ion: 62 Resp: 51169

Ion Ratio Lower Upper

62 100

64 30.7 25.2 37.8





#5

Bromomethane

Concen: 23.224 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBSD01

Tot Ion: 94 Resp: 24517

Ion Ratio Lower Upper

94 100

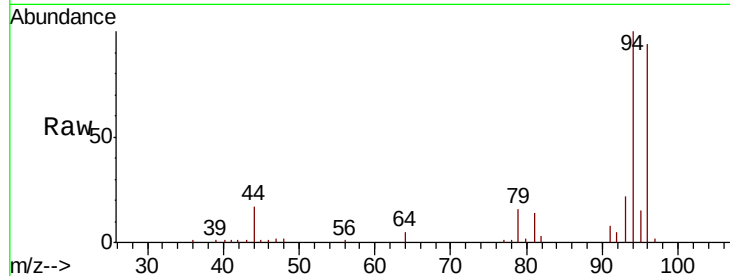
96 93.5 74.8 112.2

Manual Integrations

APPROVED

MMDadoda

11/6/2018 12:06:53 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

20000

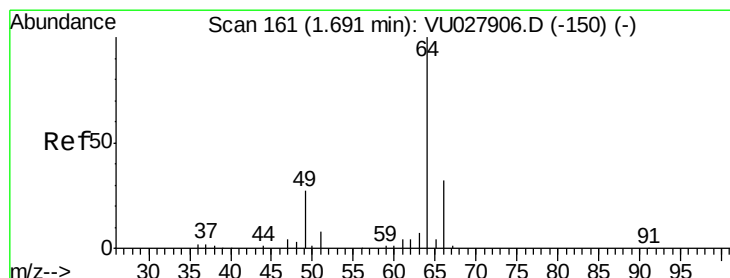
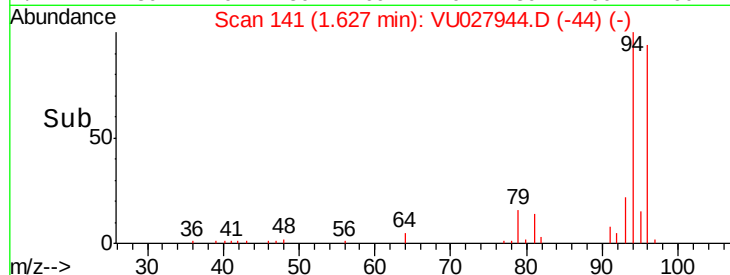
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.889 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027944.D

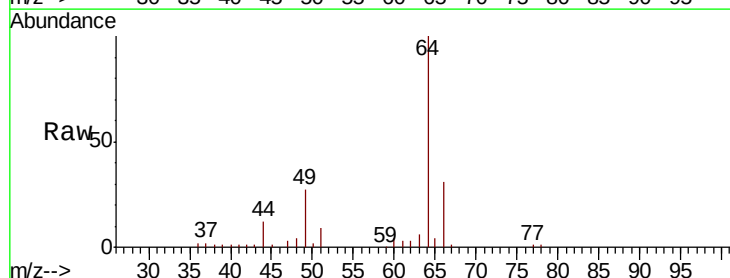
Acq: 05 Nov 2018 10:07

Tgt Ion: 64 Resp: 31075

Ion Ratio Lower Upper

64 100

66 31.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

25000

20000

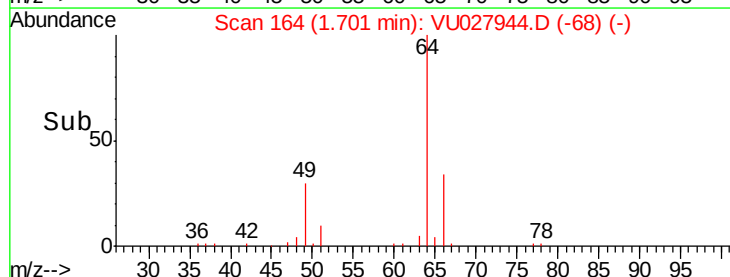
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10000

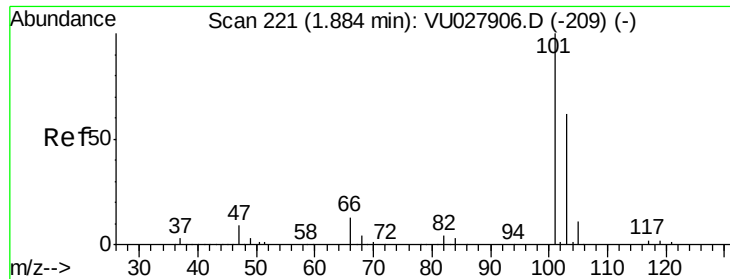
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0

Time-->







#7

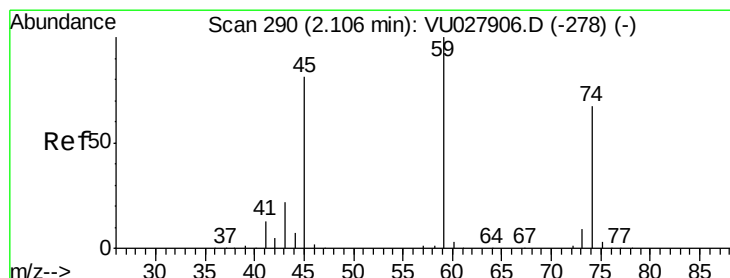
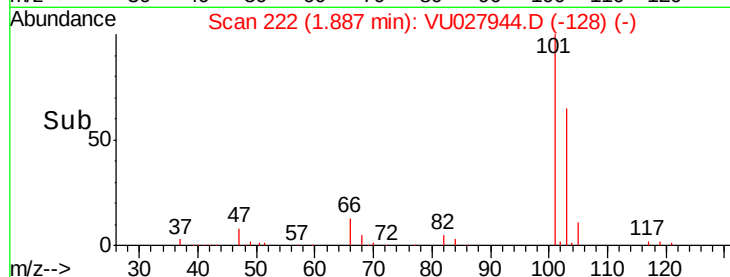
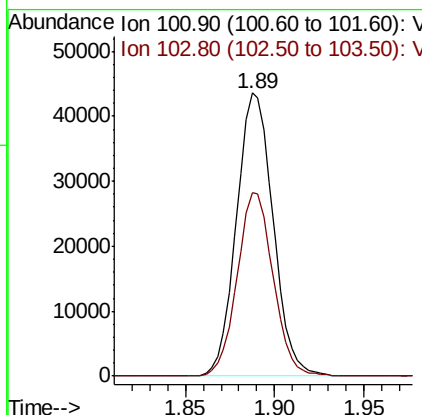
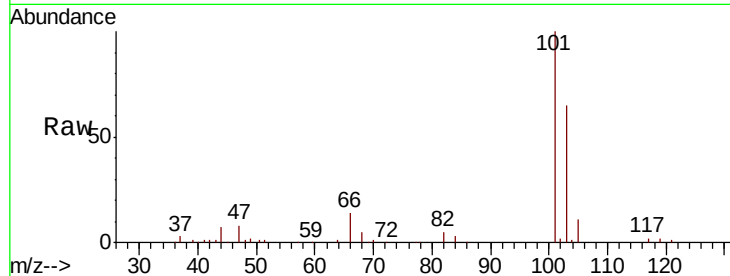
Trichlorofluoromethane  
 Concen: 18.878 ug/l  
 RT: 1.89 min Scan# 222  
 Delta R.T. 0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VU1105WBSD01

Tot Ion:101 Resp: 62276  
 Ion Ratio Lower Upper  
 101 100  
 103 65.1 49.4 74.2

Manual Integrations  
 APPROVED

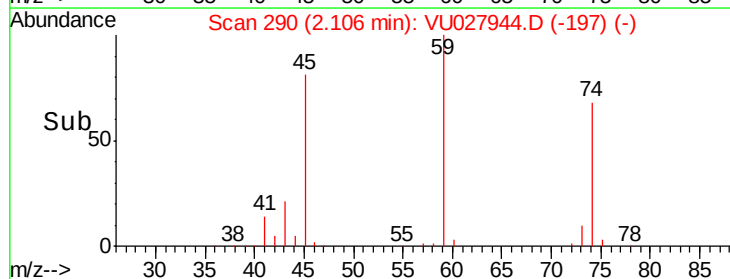
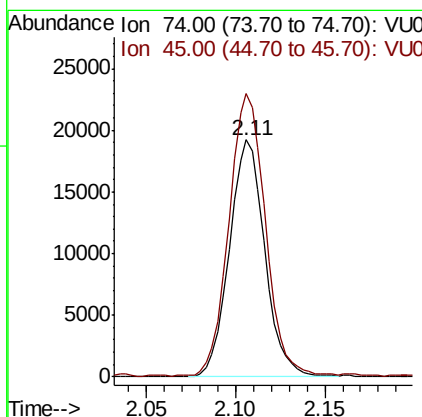
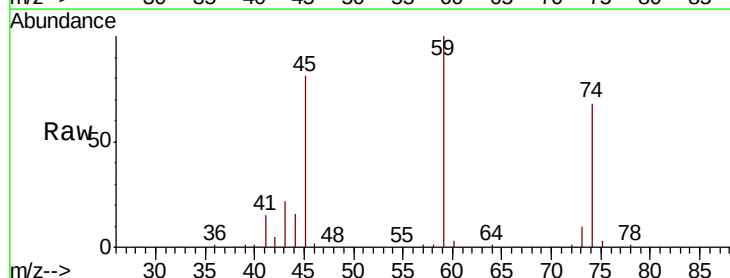
MMDadoda  
 11/6/2018 12:06:53 PM



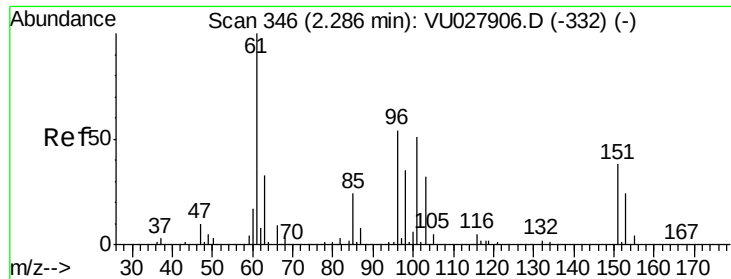
#8

Diethyl Ether  
 Concen: 18.802 ug/l  
 RT: 2.11 min Scan# 290  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Tgt Ion: 74 Resp: 26558  
 Ion Ratio Lower Upper  
 74 100  
 45 124.2 60.5 181.5







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.721 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

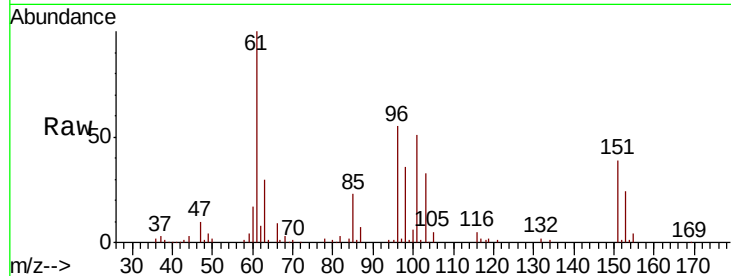
ClientSampleId :

VU1105WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 38647 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.4  | 36.9  | 55.3  |
| 151       | 75.3  | 58.0  | 87.0  |

Manual Integrations  
APPROVED

MMDadoda  
11/6/2018 12:06:53 PM

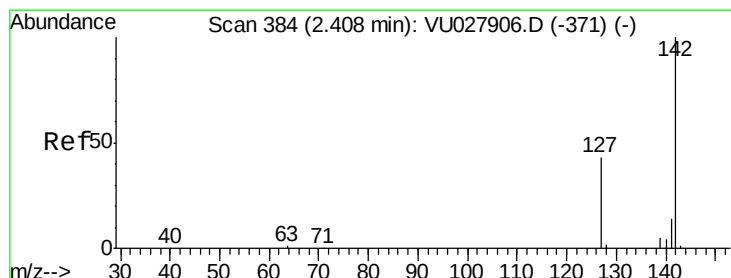
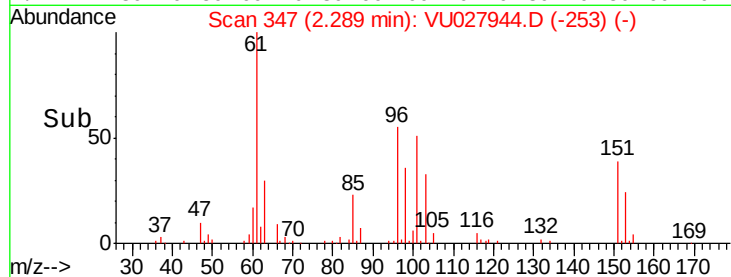
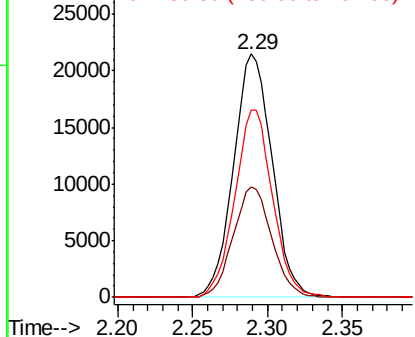


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.644 ug/l

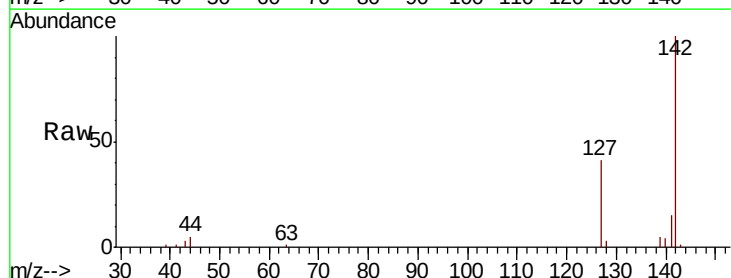
RT: 2.41 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 31710 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.1  | 35.2  | 52.8  |
| 141       | 15.3  | 11.8  | 17.8  |

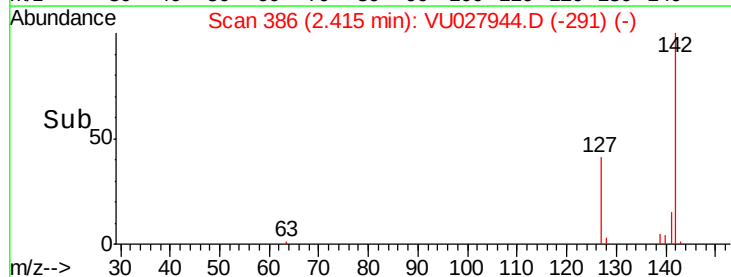
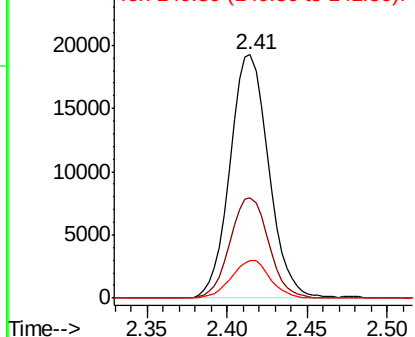


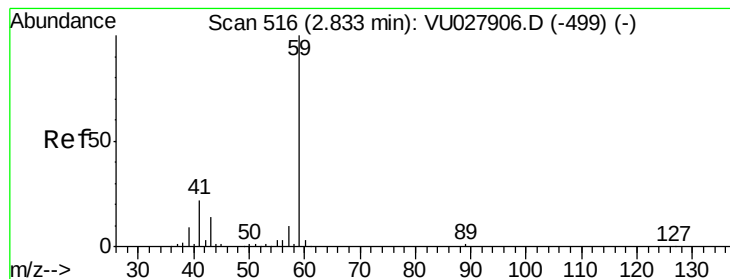
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

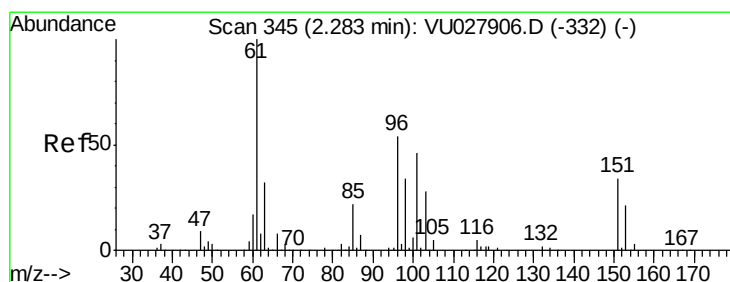
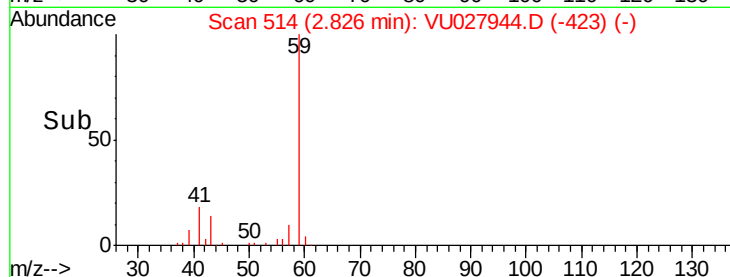
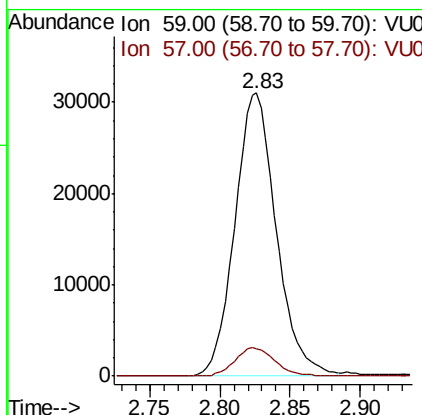
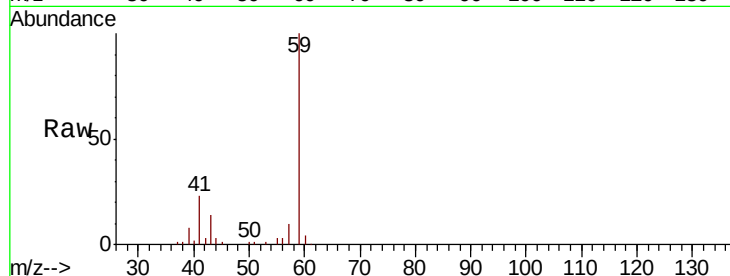
Tert butyl alcohol  
Concen: 86.472 ug/l  
RT: 2.83 min Scan# 514  
Delta R.T. -0.01 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.7   | 7.8   | 11.8  |

Manual Integrations  
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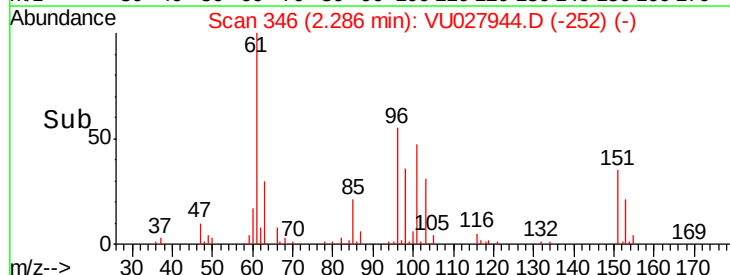
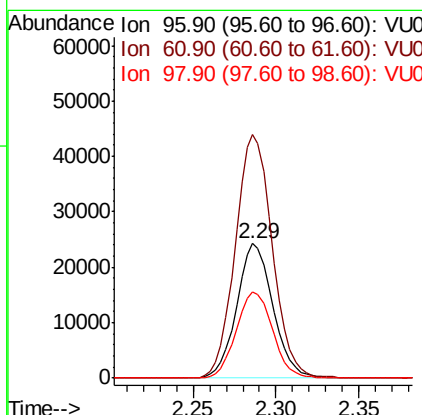
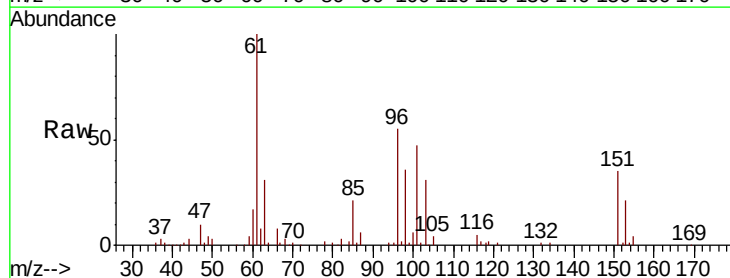
MMDadoda  
11/6/2018 12:06:53 PM

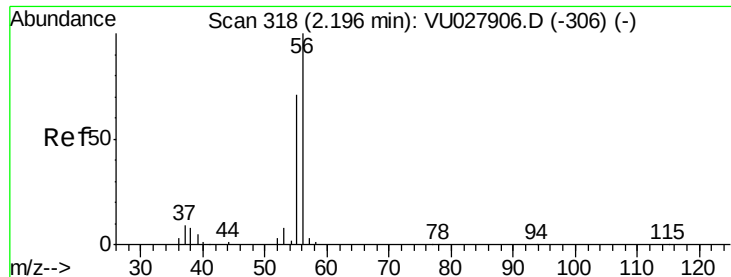


#12

1,1-Dichloroethene  
Concen: 18.768 ug/l  
RT: 2.29 min Scan# 346  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 181.1 | 149.3 | 223.9 |
| 98      | 64.3  | 50.6  | 75.8  |





#13

Acrolein

Concen: 65.993 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBSD01

Tot Ion: 56 Resp: 19238

Ion Ratio Lower Upper

56 100

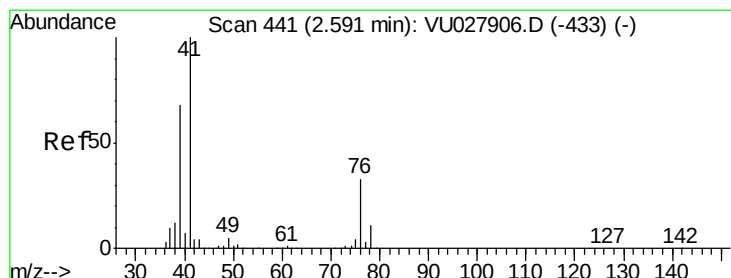
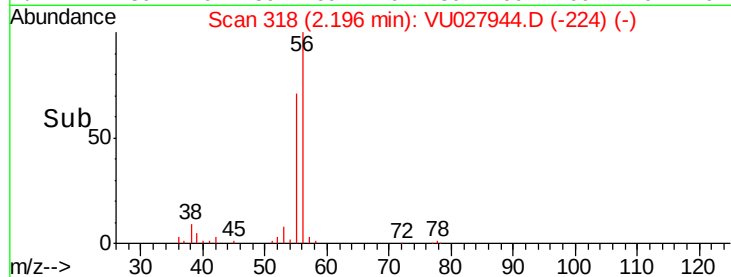
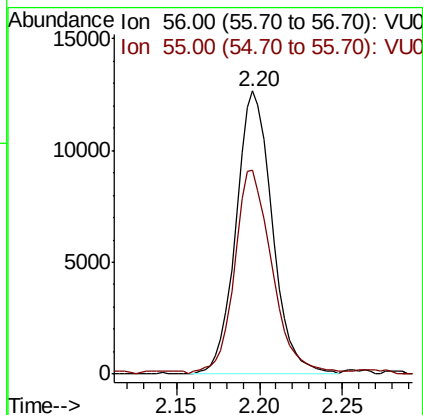
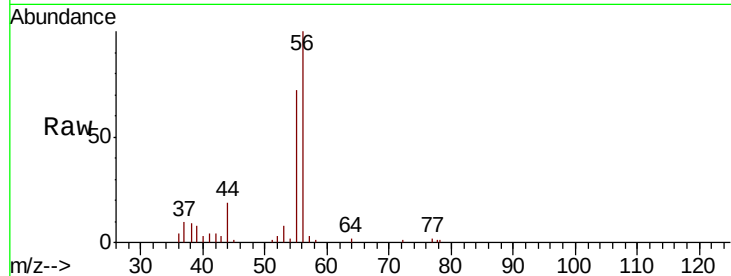
55 75.3 56.2 84.4

Manual Integrations

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#14

Allyl chloride

Concen: 17.966 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

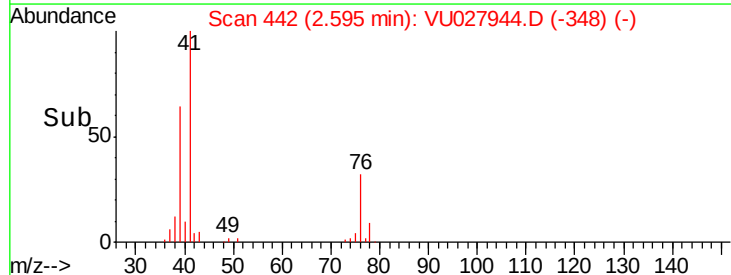
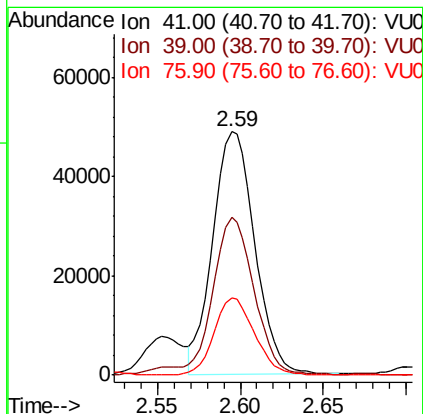
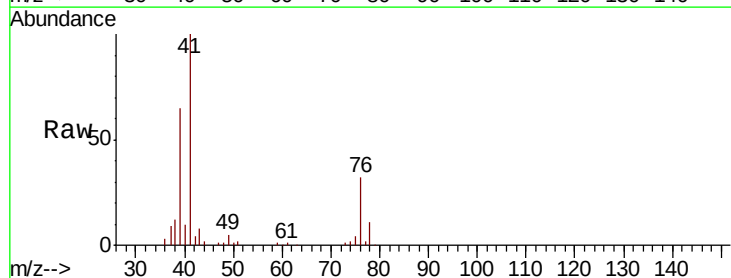
Tgt Ion: 41 Resp: 86137

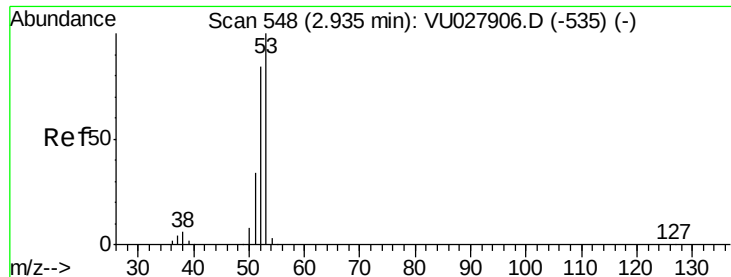
Ion Ratio Lower Upper

41 100

39 66.1 51.9 77.9

76 30.7 23.8 35.6





#15

Acrylonitrile

Concen: 97.528 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

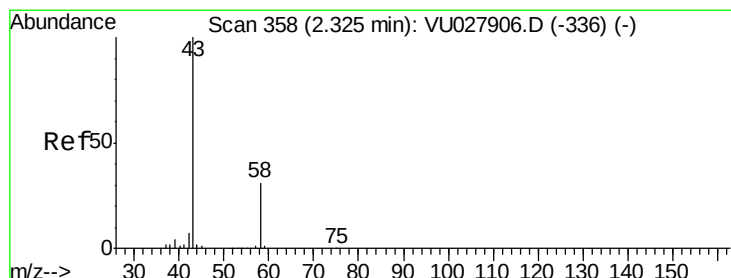
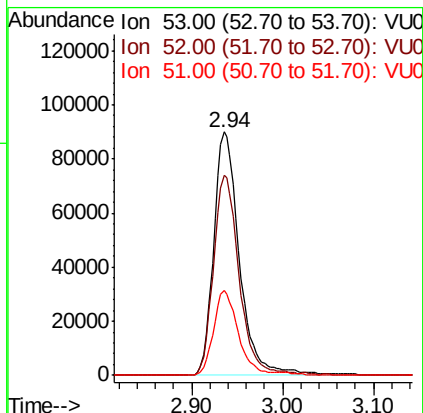
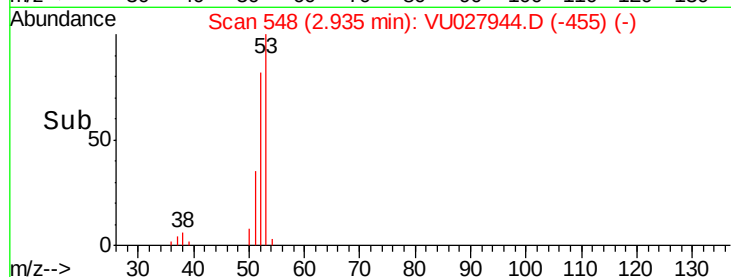
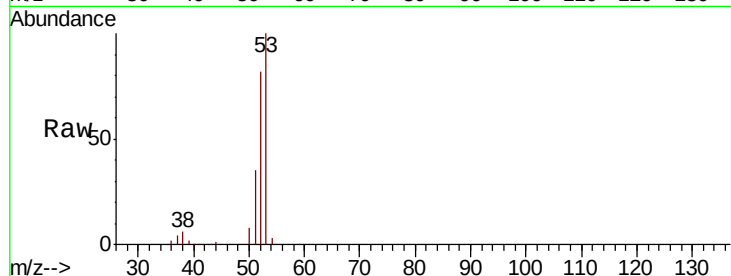
ClientSampleId :

VU1105WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 176487 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.7  | 66.2  | 99.2   |
| 51        | 34.5  | 27.0  | 40.4   |

Manual Integrations  
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#16

Acetone

Concen: 99.537 ug/l

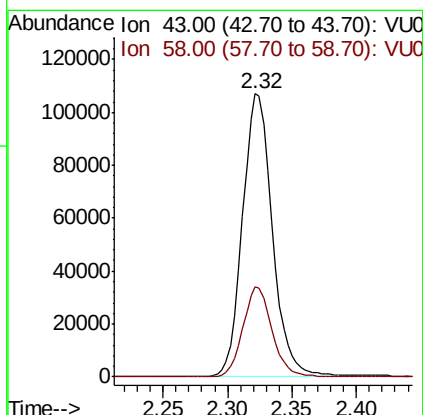
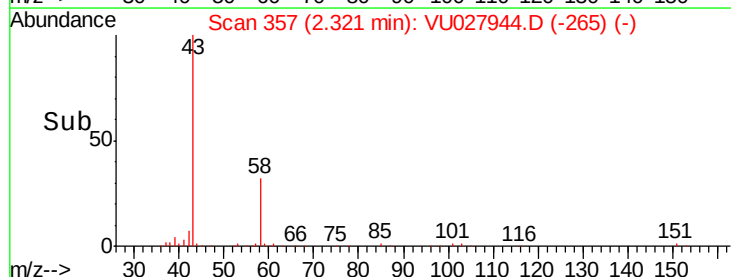
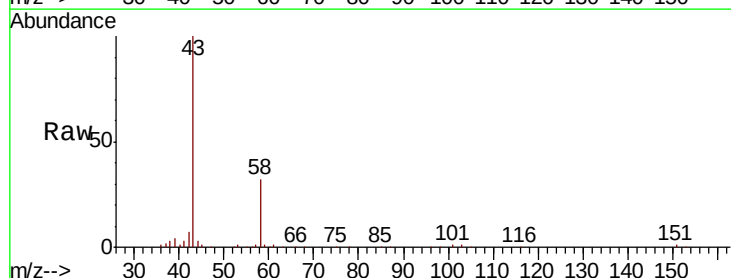
RT: 2.32 min Scan# 357

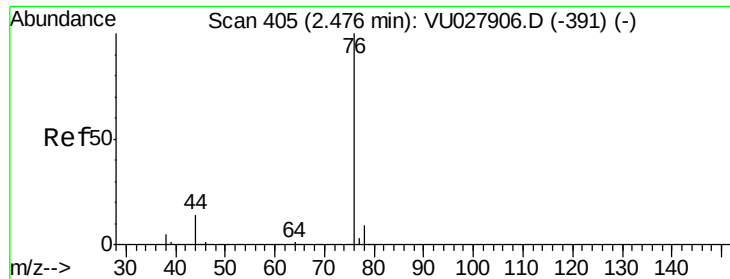
Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 171852 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 31.8  | 24.6  | 37.0   |





#17

Carbon Disulfide

Concen: 18.070 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBSD01

Tot Ion: 76 Resp: 115862

Ion Ratio Lower Upper

76 100

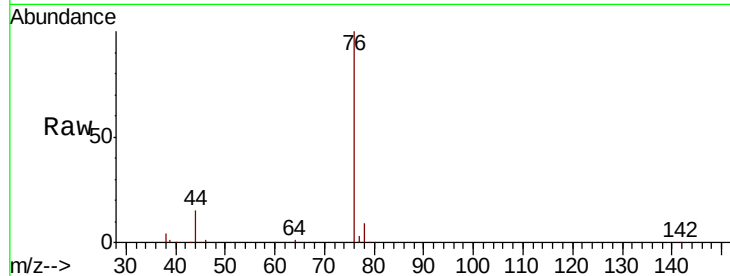
78 8.7 7.4 11.0

Manual Integrations

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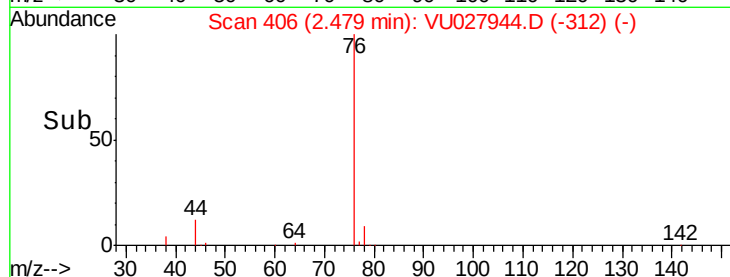


Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU027906.D (-391) (-)

2.48

Time-->

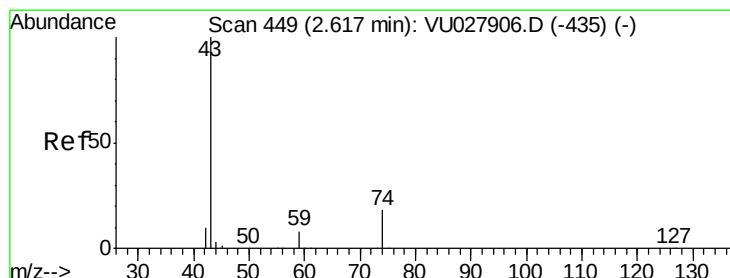


Abundance Ion 75.90 (75.60 to 76.60): VU027944.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027944.D (-312) (-)

2.48

Time-->



#18

Methyl Acetate

Concen: 18.804 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027944.D

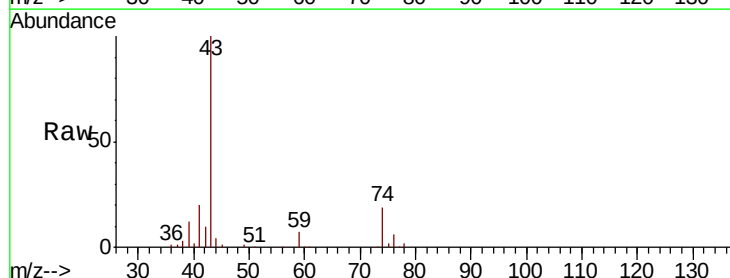
Acq: 05 Nov 2018 10:07

Tgt Ion: 43 Resp: 89308

Ion Ratio Lower Upper

43 100

74 19.5 14.9 22.3

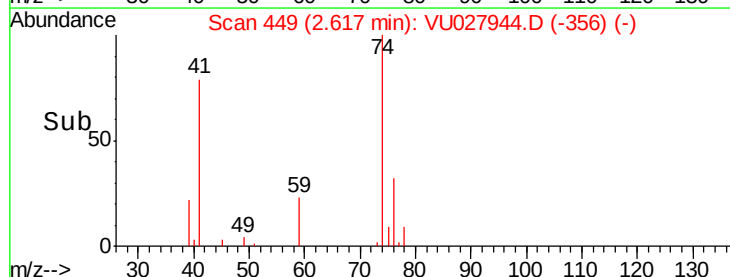


Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU027906.D (-435) (-)

2.62

Time-->

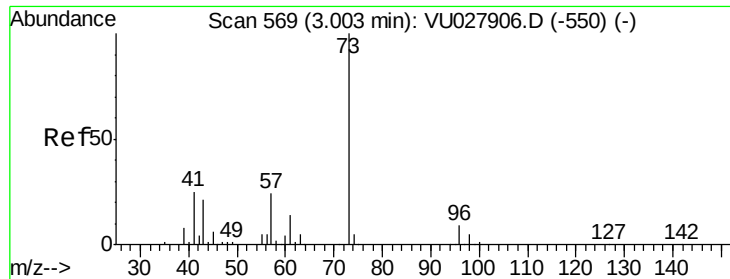


Abundance Ion 43.00 (42.70 to 43.70): VU027944.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027944.D (-356) (-)

2.62

Time-->



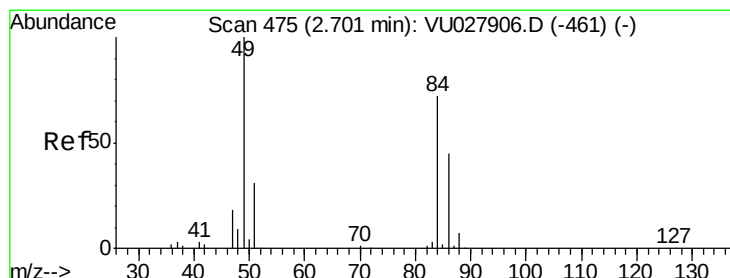
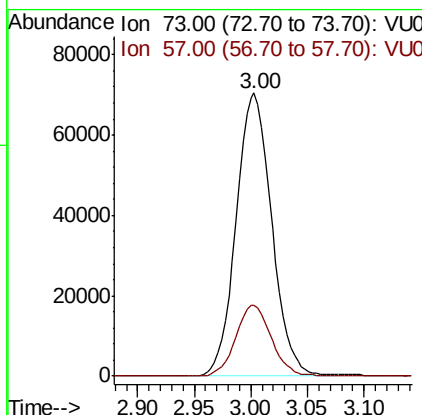
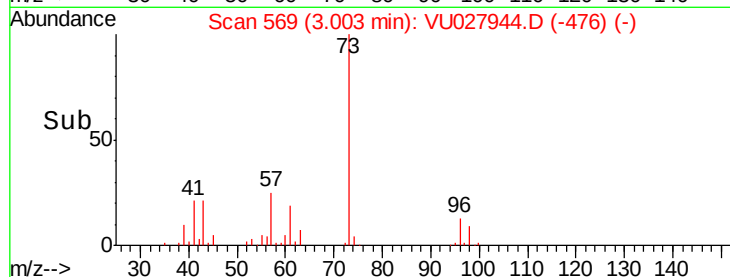
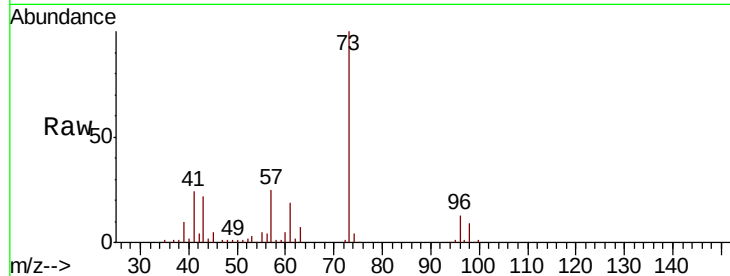
#19  
Methyl tert-butyl Ether  
Concen: 19.541 ug/l  
RT: 3.00 min Scan# 569  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 24.9  | 19.3  | 28.9  |

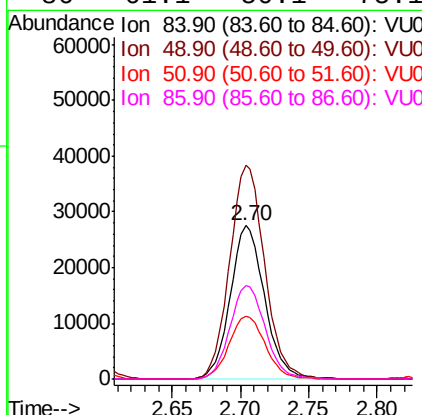
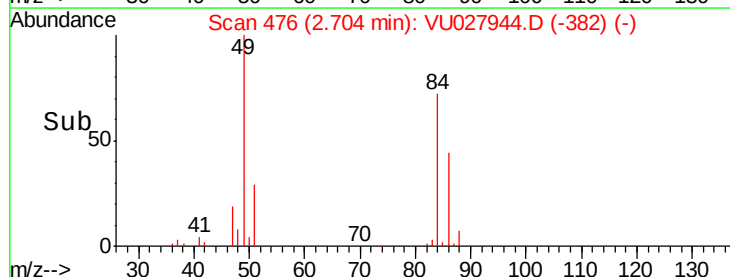
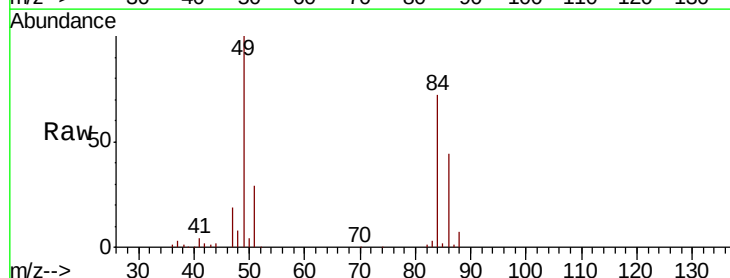
Manual Integrations  
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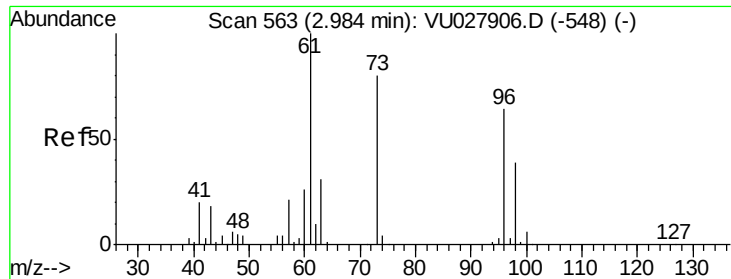
MMDadoda  
11/6/2018 12:06:53 PM



#20  
Methylene Chloride  
Concen: 19.097 ug/l  
RT: 2.70 min Scan# 476  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 139.2 | 111.6 | 167.4 |
| 51      | 40.5  | 34.8  | 52.2  |
| 86      | 61.1  | 50.1  | 75.1  |





#21

trans-1,2-Dichloroethene

Concen: 17.845 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBSD01

Tot Ion: 96 Resp: 40398

Ion Ratio Lower Upper

96 100

61 162.2 125.0 187.6

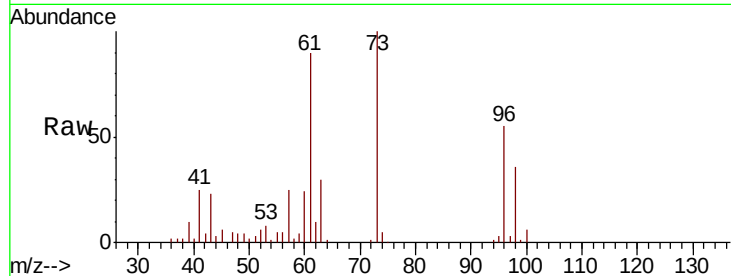
98 64.7 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

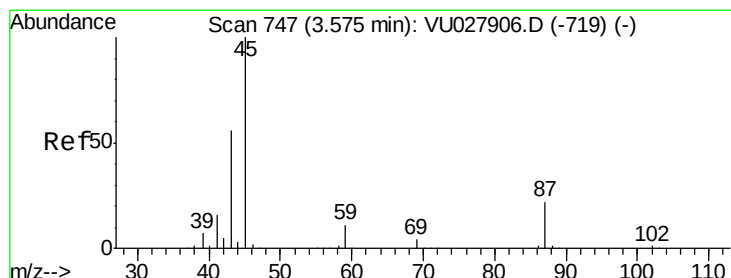
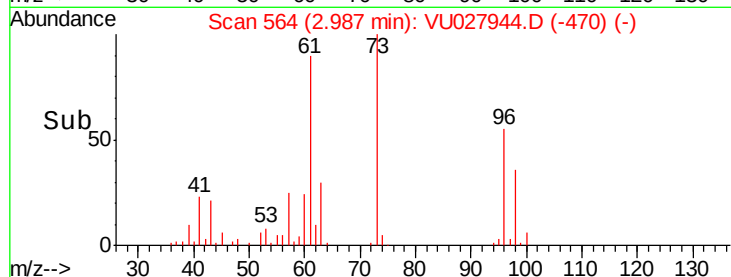
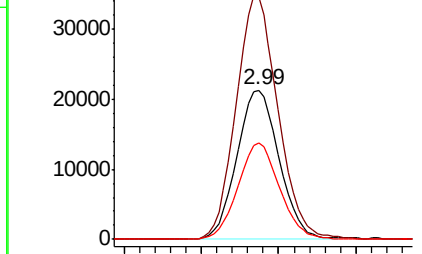
11/6/2018 12:06:53 PM



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-548) (-)



#22

Diisopropyl ether

Concen: 19.217 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Tgt Ion: 45 Resp: 190211

Ion Ratio Lower Upper

45 100

43 60.2 45.0 67.6

87 21.1 17.9 26.9

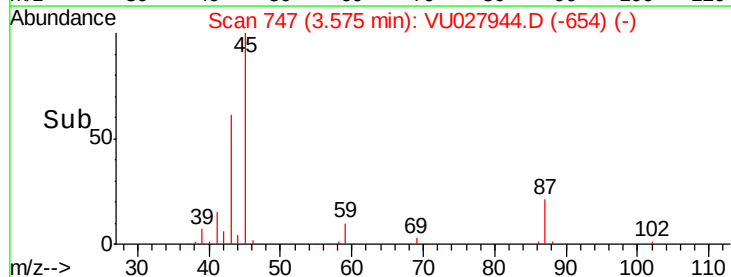
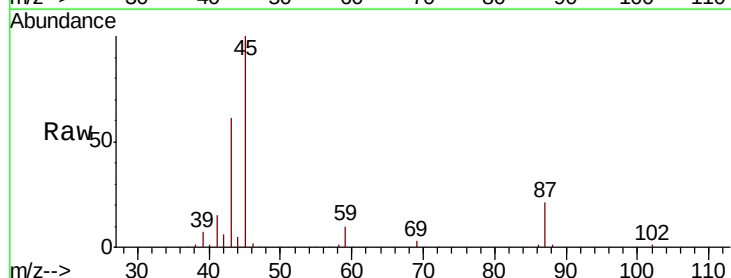
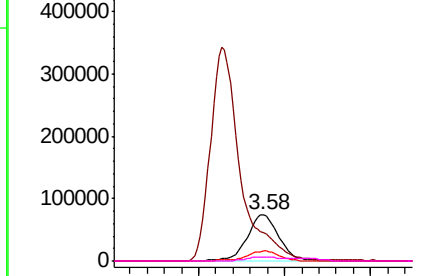
59 9.5 8.6 12.8

Abundance Ion 45.00 (44.70 to 45.70): VU027906.D (-719) (-)

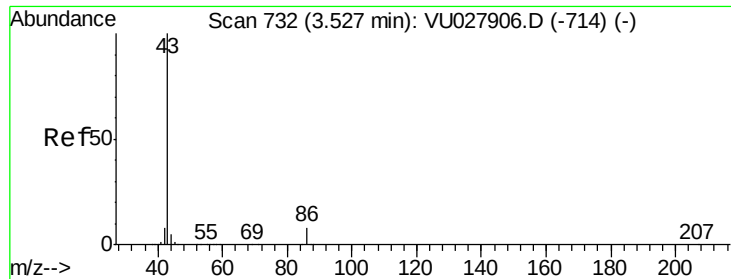
Ion 43.00 (42.70 to 43.70): VU027906.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027906.D (-719) (-)







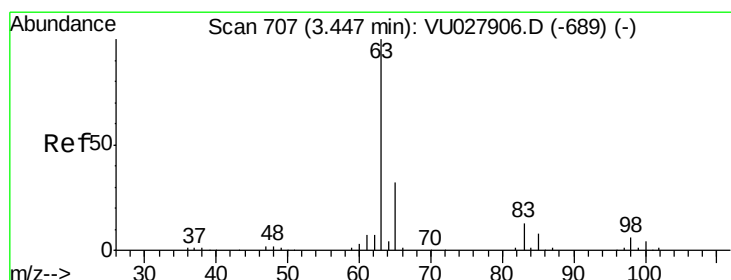
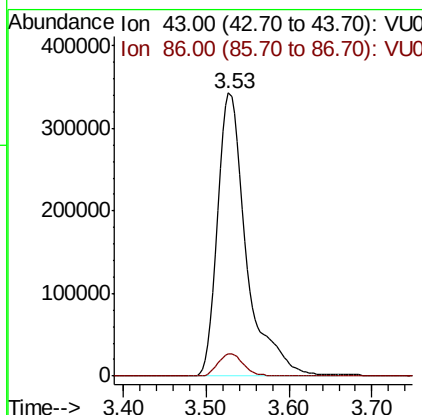
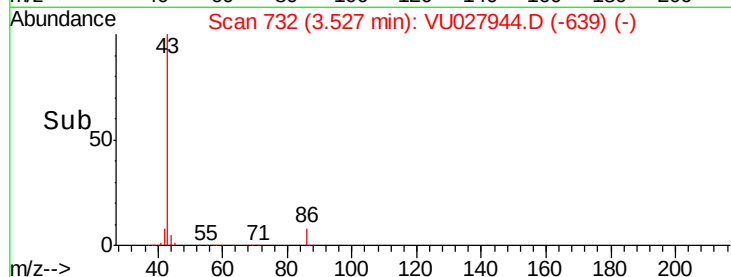
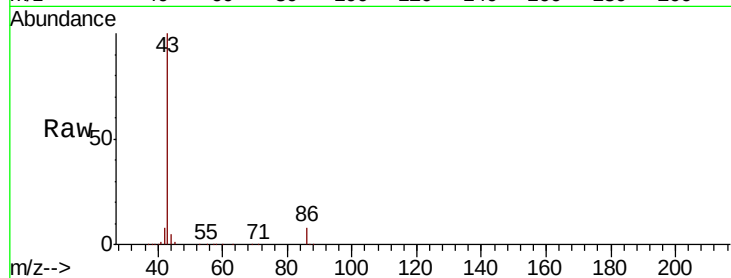
#23  
 Vinyl Acetate  
 Concen: 97.730 ug/l  
 RT: 3.53 min Scan# 732  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 7.9   | 6.6   | 9.8   |

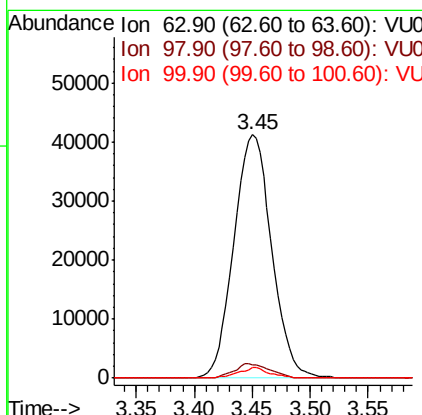
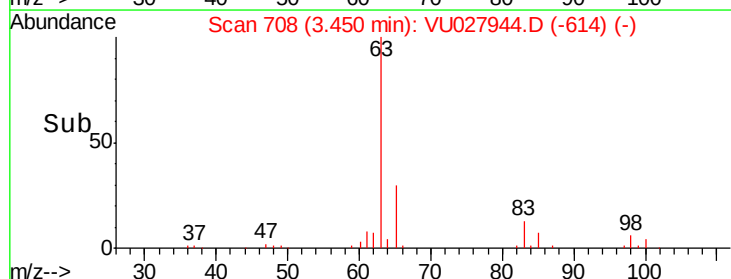
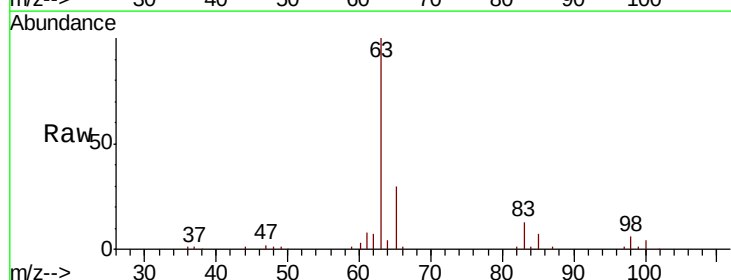
Manual Integrations  
 APPROVED

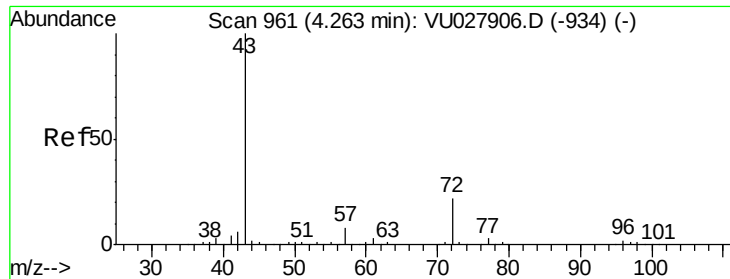
MMDadoda  
 11/6/2018 12:06:53 PM



#24  
 1,1-Dichloroethane  
 Concen: 18.929 ug/l  
 RT: 3.45 min Scan# 708  
 Delta R.T. 0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 5.7   | 2.9   | 8.6   |
| 100     | 4.1   | 2.0   | 6.0   |





#25

2-Butanone

Concen: 97.917 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBSD01

Tot Ion: 43 Resp: 268952

Ion Ratio Lower Upper

43 100

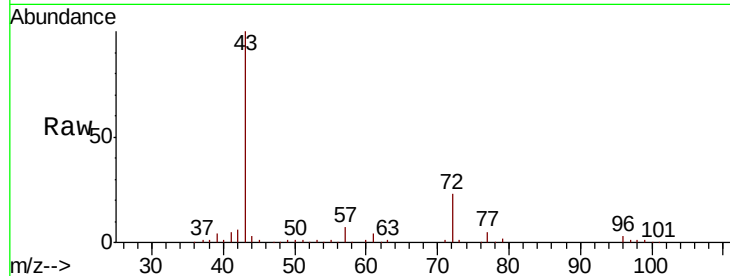
72 22.6 17.7 26.5

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

120000

100000

80000

60000

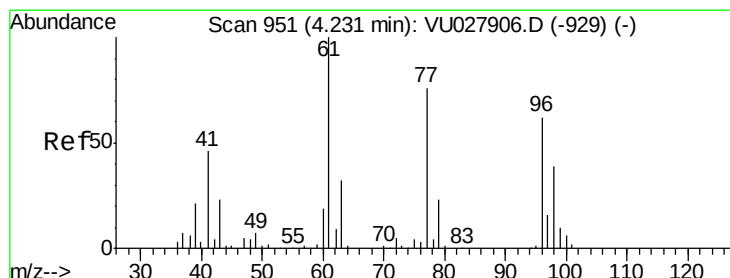
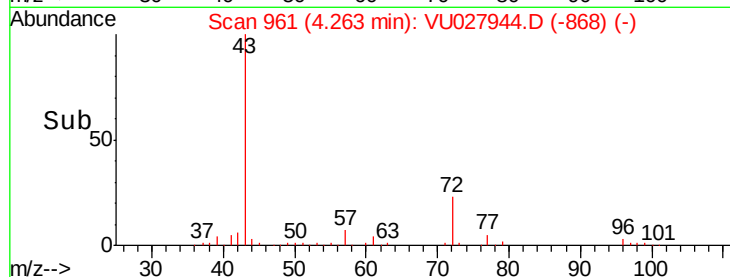
40000

20000

0

4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 20.106 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027944.D

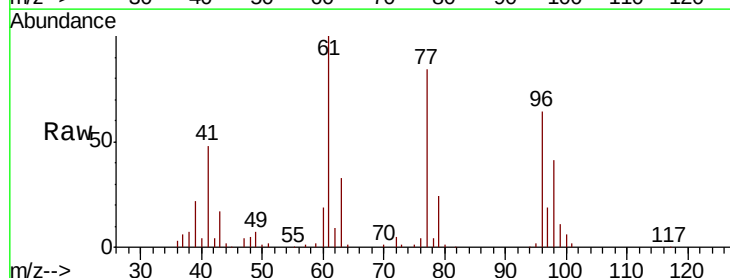
Acq: 05 Nov 2018 10:07

Tgt Ion: 77 Resp: 74390

Ion Ratio Lower Upper

77 100

97 21.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

25000

20000

15000

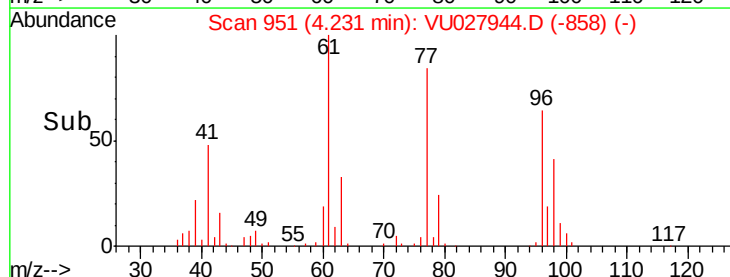
10000

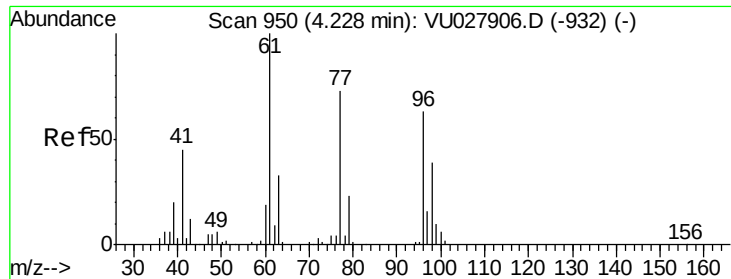
5000

0

4.10 4.20 4.30

Time-->





#27

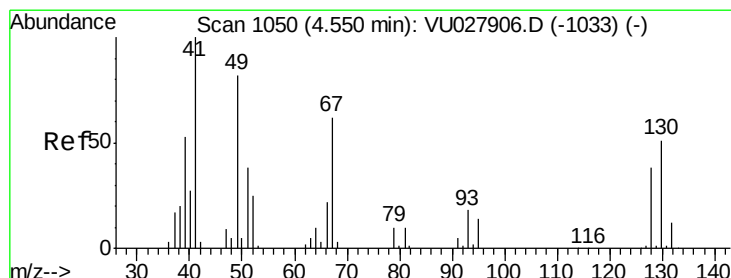
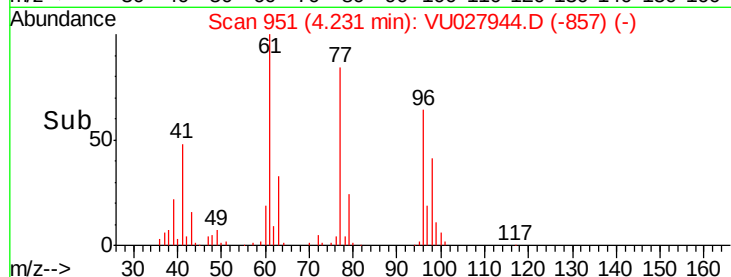
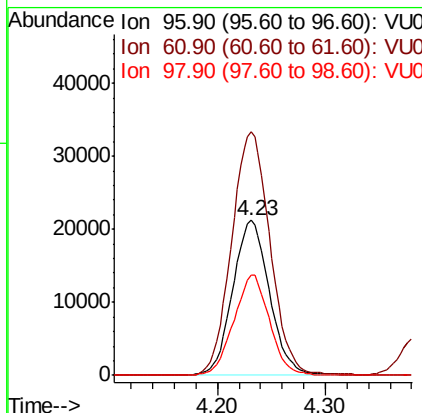
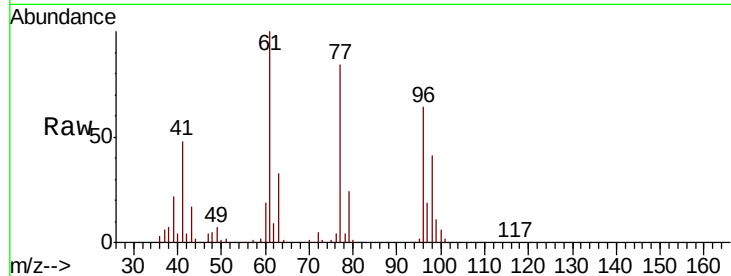
cis-1,2-Dichloroethene  
Concen: 19.821 ug/l  
RT: 4.23 min Scan# 951  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 164.6 | 0.0   | 329.6 |
| 98      | 62.8  | 0.0   | 127.2 |

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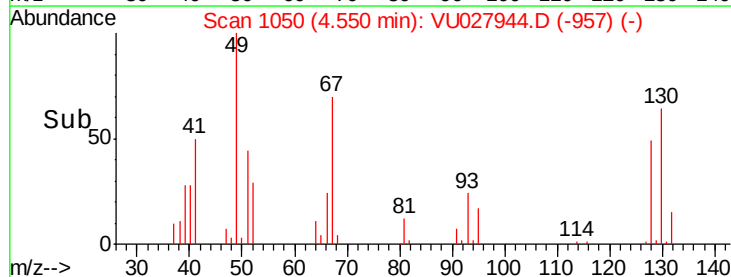
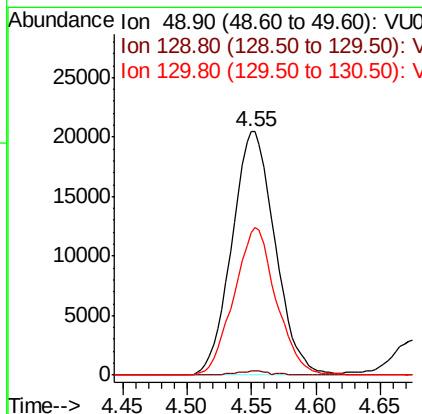
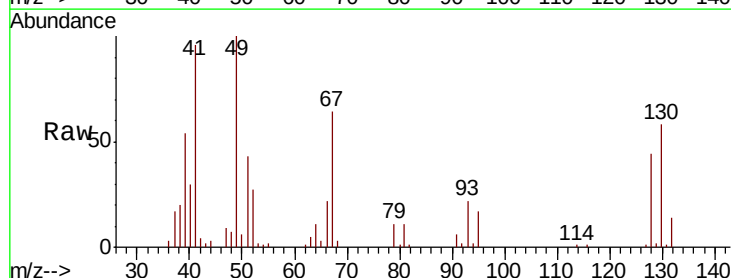
MMDadoda  
11/6/2018 12:06:53 PM

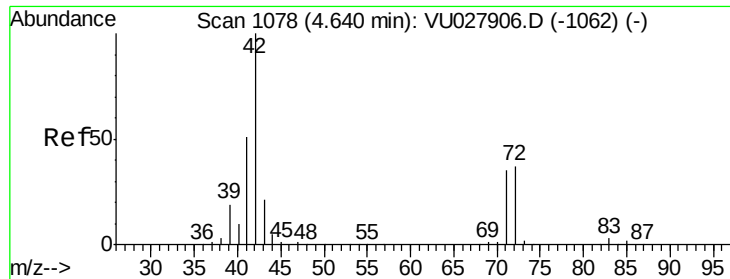


#28

Bromochloromethane  
Concen: 20.621 ug/l  
RT: 4.55 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.1   | 0.0   | 3.0   |
| 130     | 59.3  | 47.8  | 71.6  |





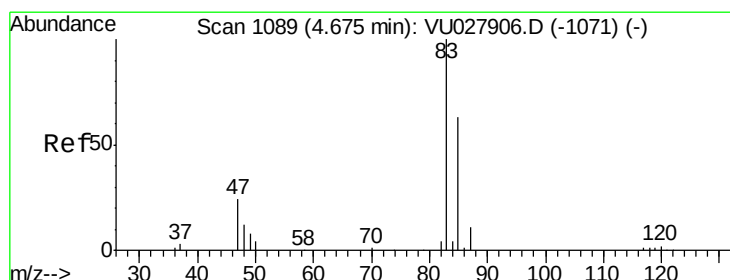
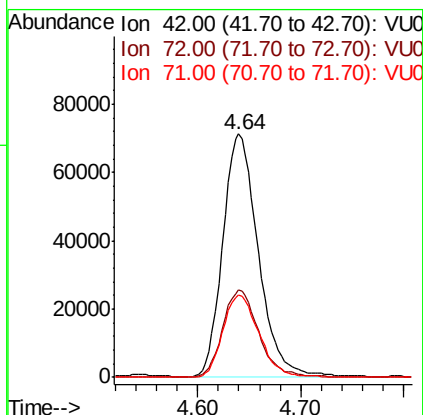
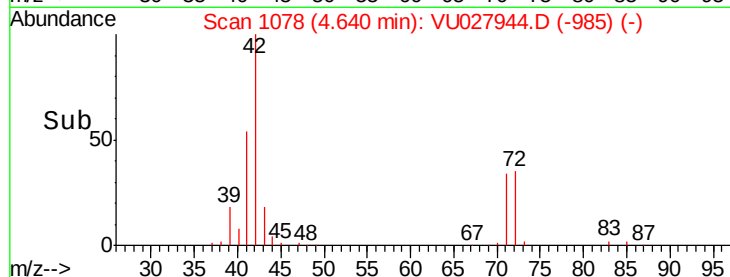
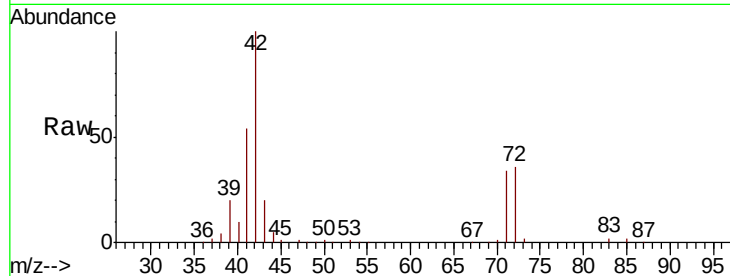
#29  
Tetrahydrofuran  
Concen: 92.582 ug/l  
RT: 4.64 min Scan# 1078  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 37.0  | 29.4  | 44.0  |
| 71      | 34.8  | 27.9  | 41.9  |

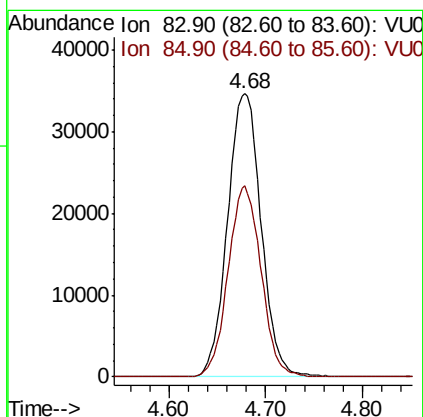
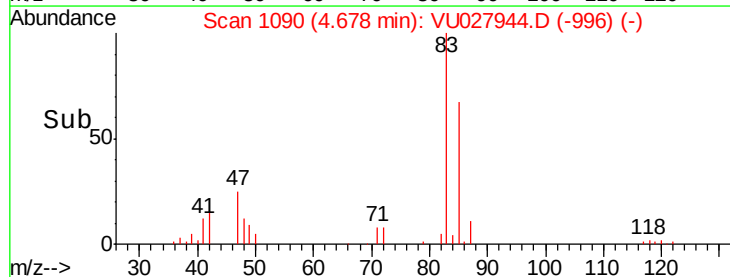
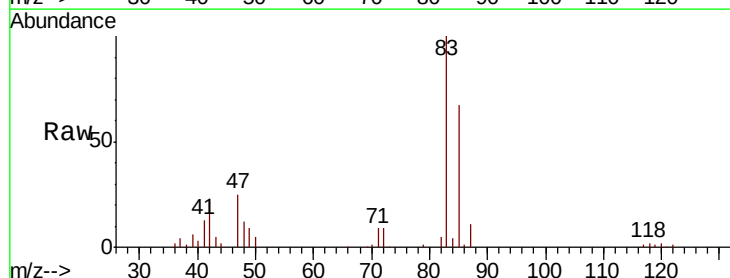
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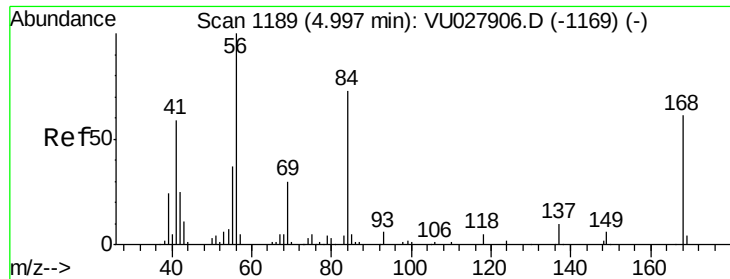
MMDadoda  
11/6/2018 12:06:53 PM



#30  
Chloroform  
Concen: 18.524 ug/l  
RT: 4.68 min Scan# 1090  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 67.4  | 50.6  | 76.0  |





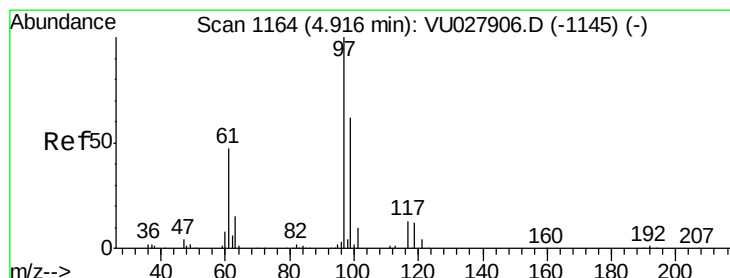
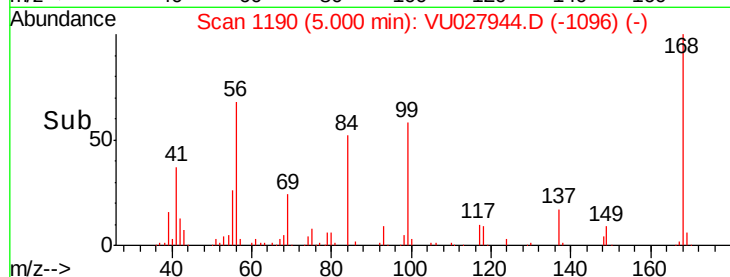
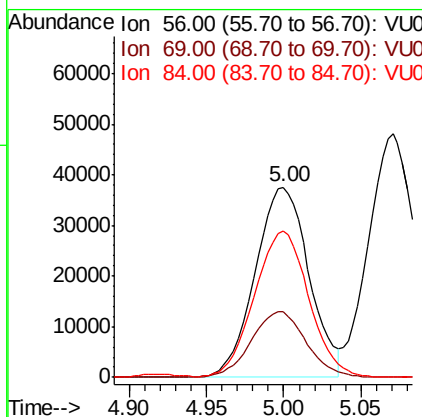
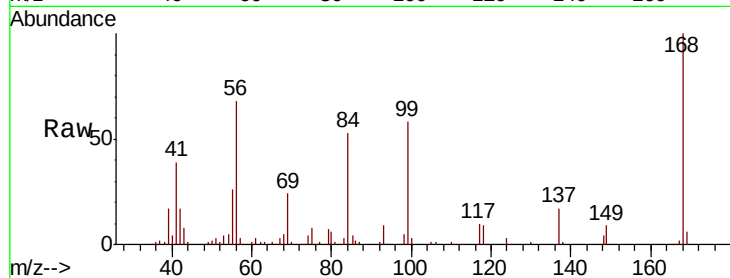
#31  
Cyclohexane  
Concen: 17.700 ug/l  
RT: 5.00 min Scan# 1190  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.5  | 23.7  | 35.5  |
| 84      | 76.3  | 58.2  | 87.4  |

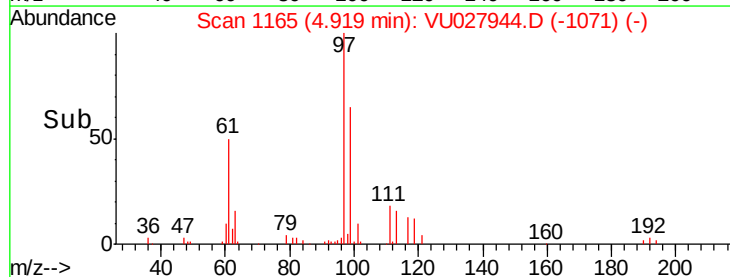
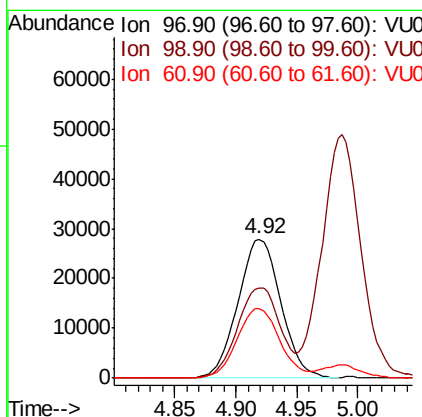
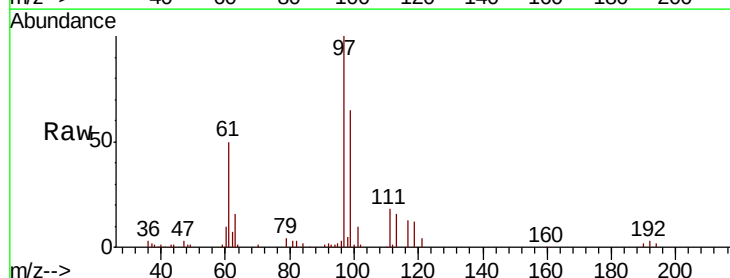
Manual Integrations  
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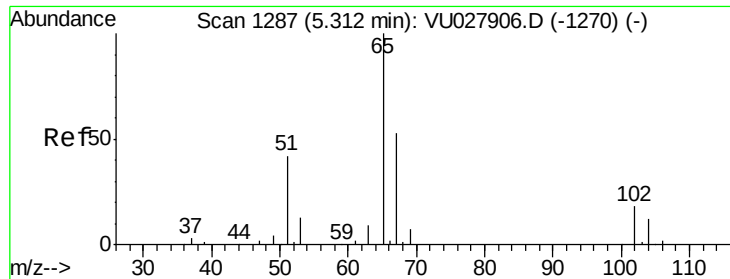
MMDadoda  
11/6/2018 12:06:53 PM



#32  
1,1,1-Trichloroethane  
Concen: 18.865 ug/l  
RT: 4.92 min Scan# 1165  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.6  | 50.5  | 75.7  |
| 61      | 49.5  | 38.3  | 57.5  |





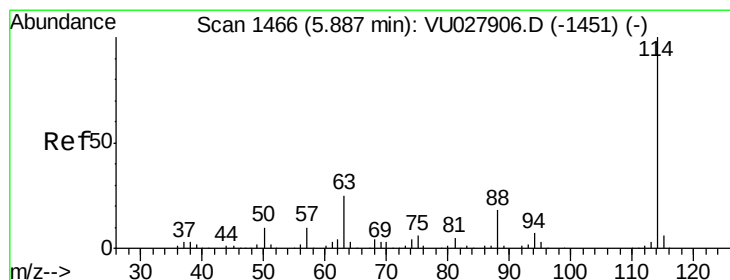
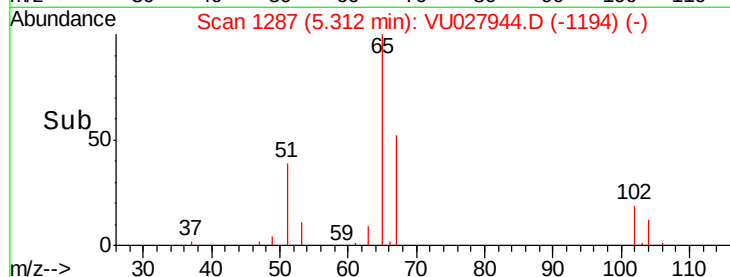
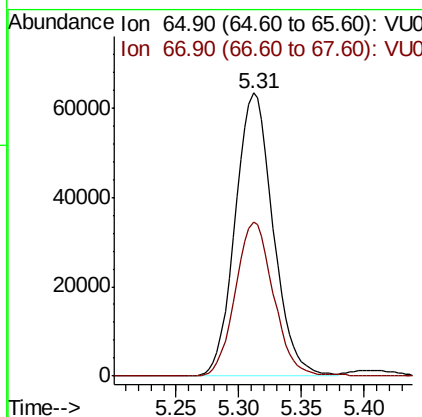
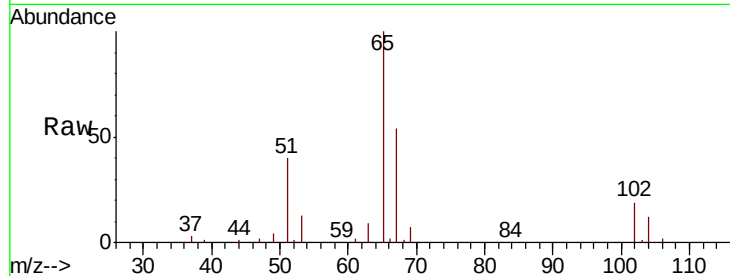
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.734 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.7  | 0.0   | 109.0 |

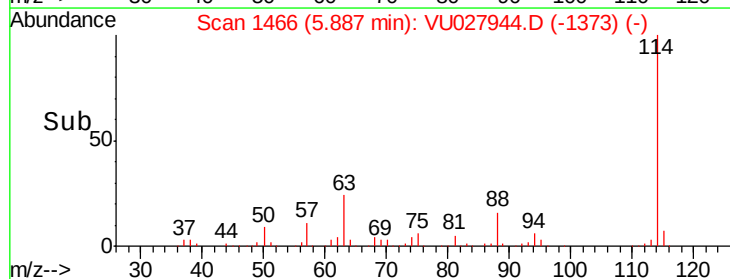
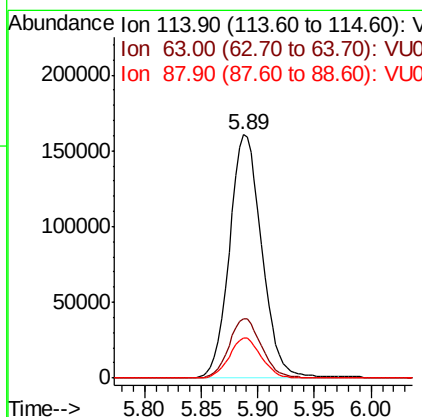
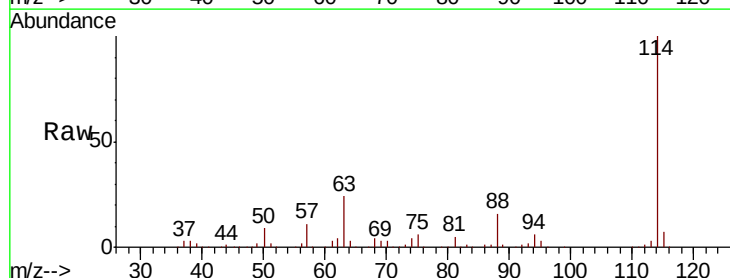
Manual Integrations  
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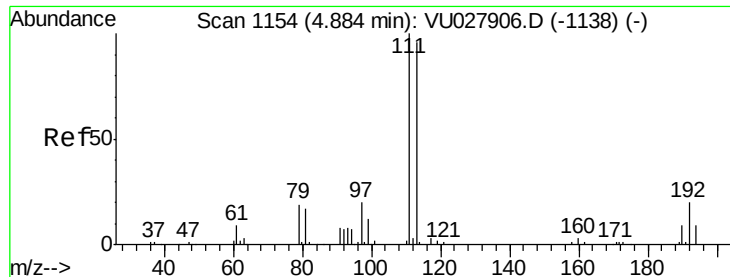
MMDadoda  
 11/6/2018 12:06:53 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.4  | 0.0   | 50.8  |
| 88      | 16.5  | 0.0   | 35.8  |





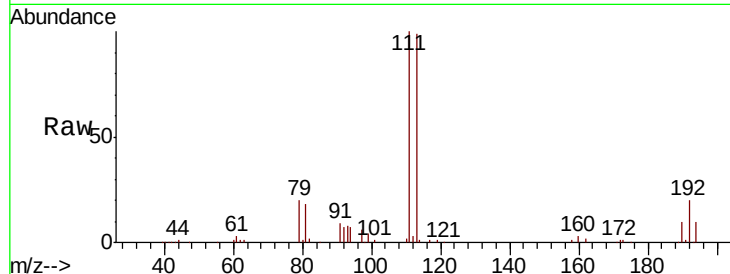
#35  
 Dibromofluoromethane  
 Concen: 47.646 ug/l  
 RT: 4.88 min Scan# 1154  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 103.8 | 83.0 | 124.6 |       |
| 192     | 19.5  | 15.6 | 23.4  |       |

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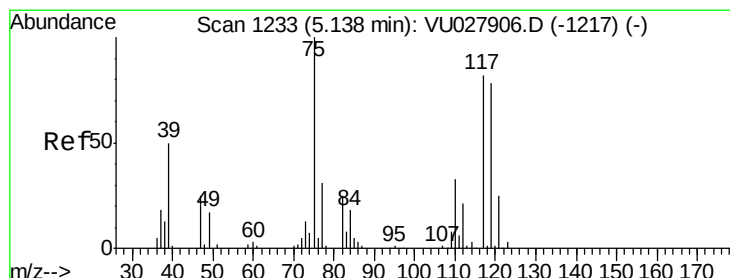
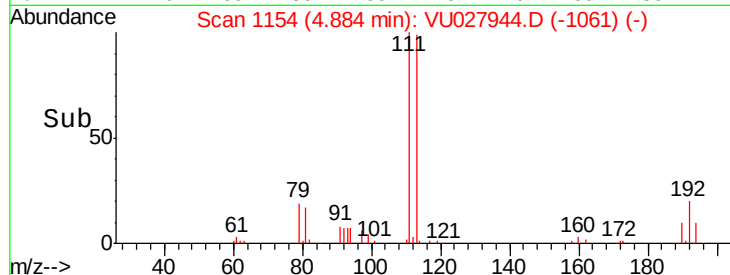
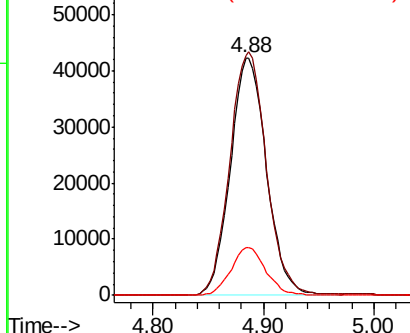


Abundance

Ion 112.80 (112.50 to 113.50): V

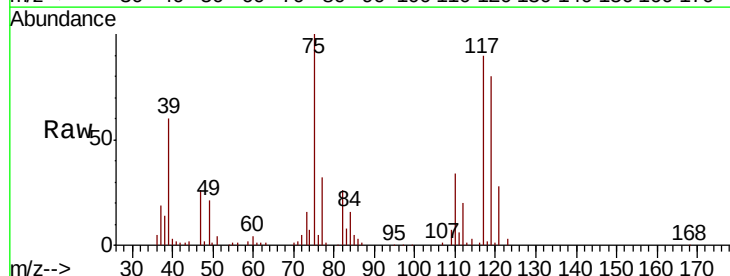
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 18.825 ug/l  
 RT: 5.14 min Scan# 1233  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 33.5  | 16.5 | 49.5  |       |
| 77      | 31.3  | 24.9 | 37.3  |       |

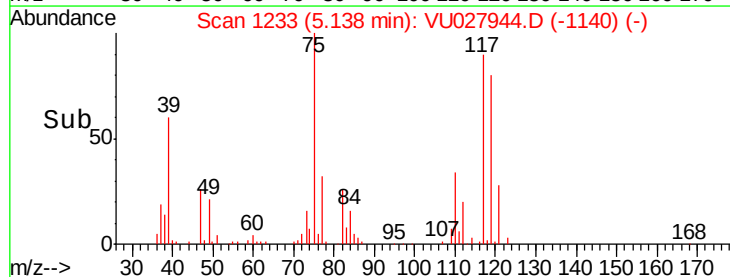
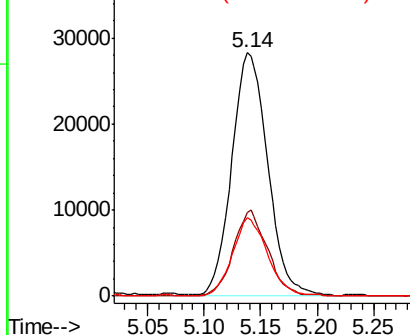


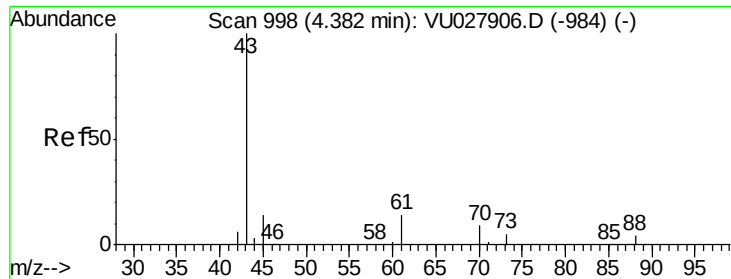
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 19.489 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

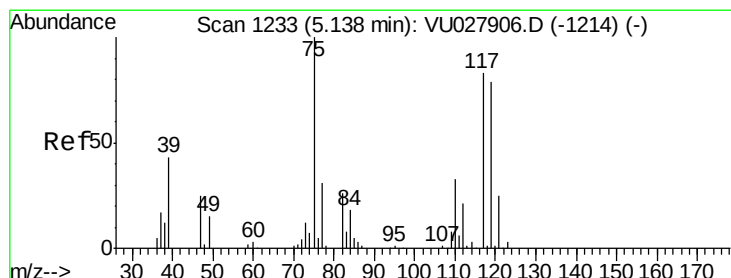
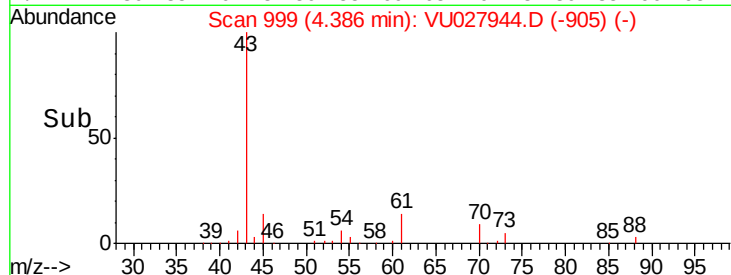
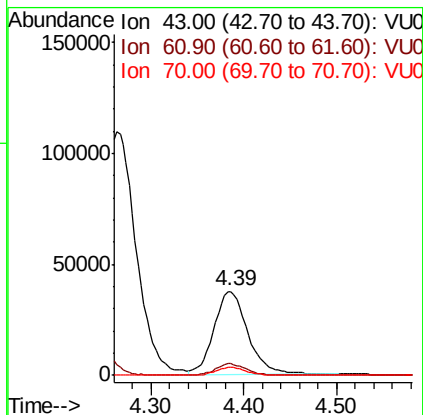
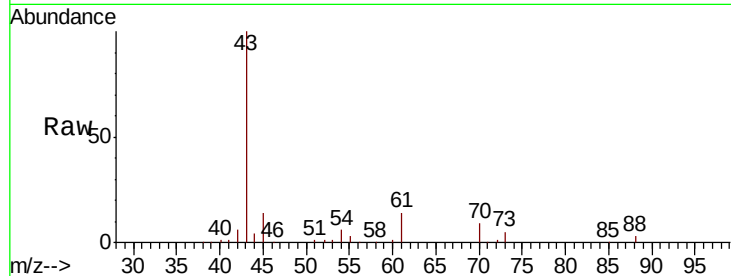
ClientSampleId :

VU1105WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 95526 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 12.1  | 10.3  | 15.5  |
| 70       | 8.5   | 7.0   | 10.6  |

Manual Integrations  
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#38

Carbon Tetrachloride

Concen: 19.380 ug/l

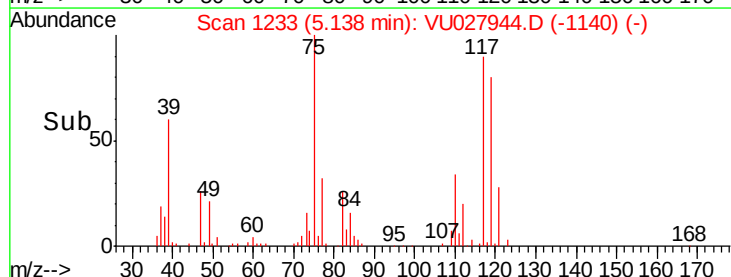
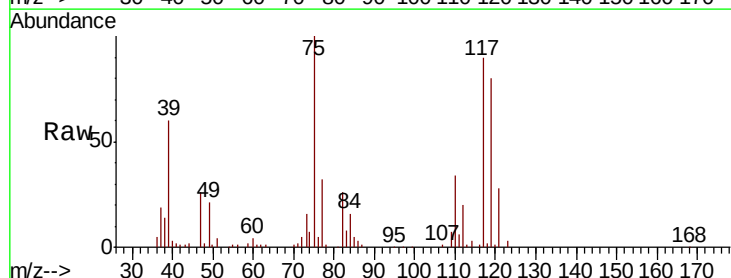
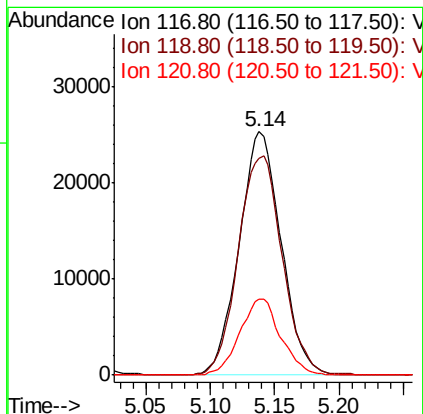
RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

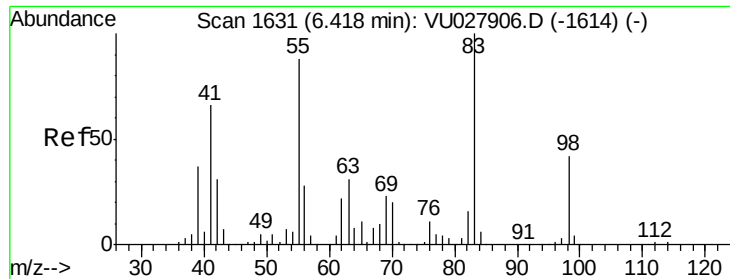
Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 57455 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 88.9  | 76.0  | 114.0 |
| 121      | 31.0  | 24.5  | 36.7  |







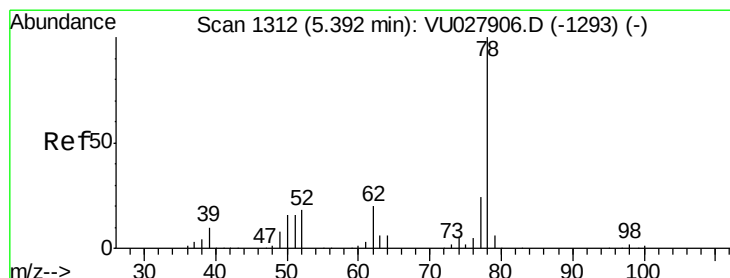
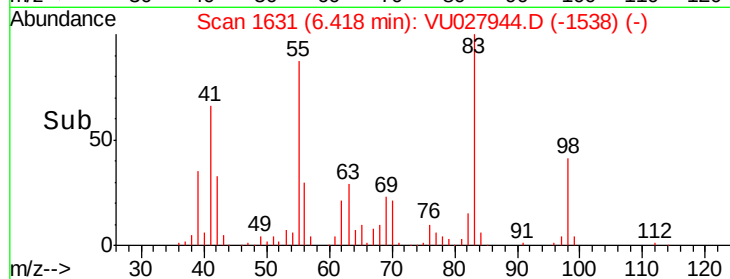
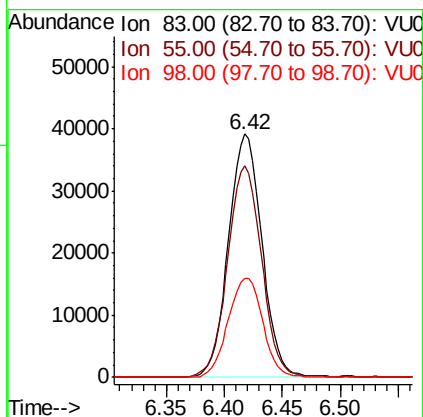
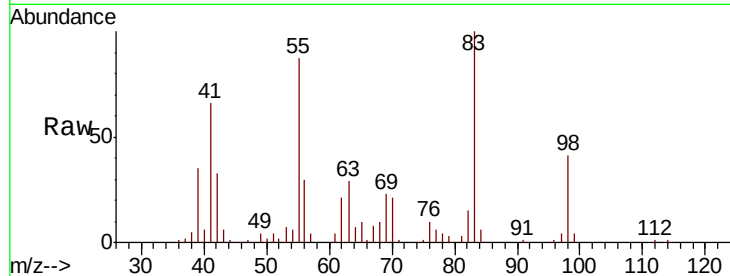
#39  
Methylvlcyclohexane  
Concen: 19.496 ug/l  
RT: 6.42 min Scan# 1631  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | 83.00 | Resp  | 78664 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 86.4  | 70.3  | 105.5 |
| 98      | 40.9  | 34.0  | 51.0  |

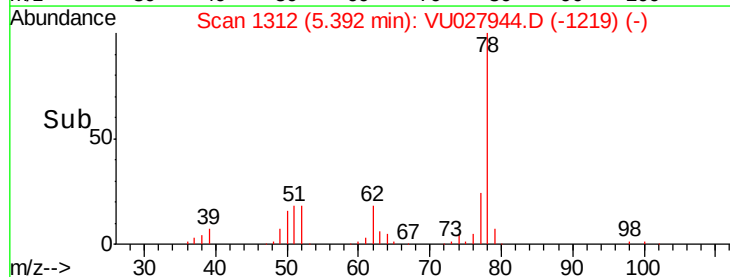
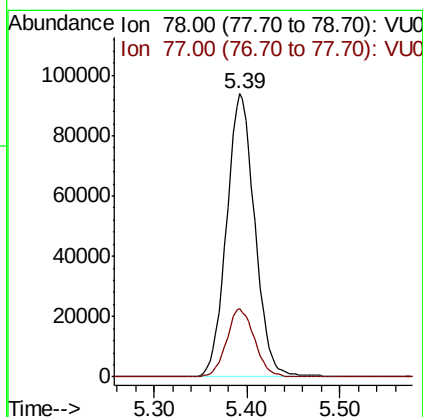
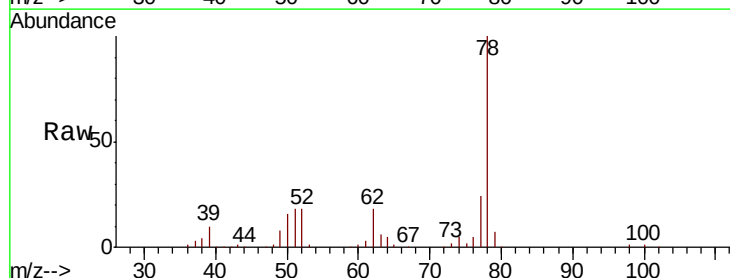
Manual Integrations  
APPROVED

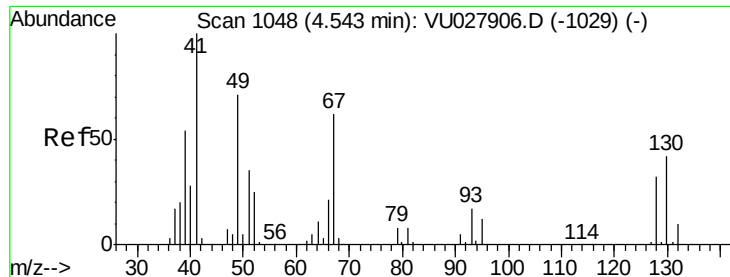
MMDadoda  
11/6/2018 12:06:53 PM



#40  
Benzene  
Concen: 19.400 ug/l  
RT: 5.39 min Scan# 1312  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | 78.00 | Resp  | 198419 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 23.9  | 19.3  | 28.9   |





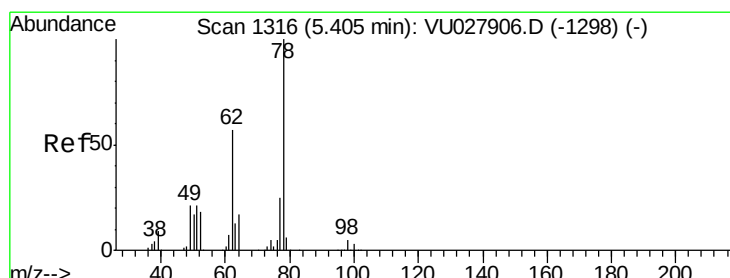
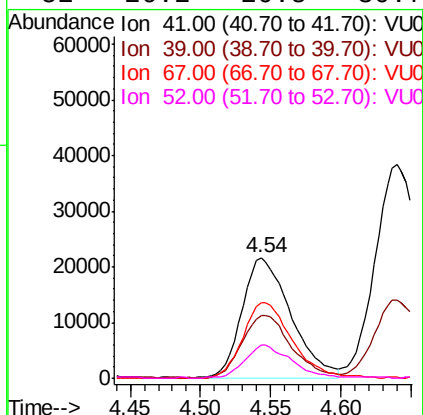
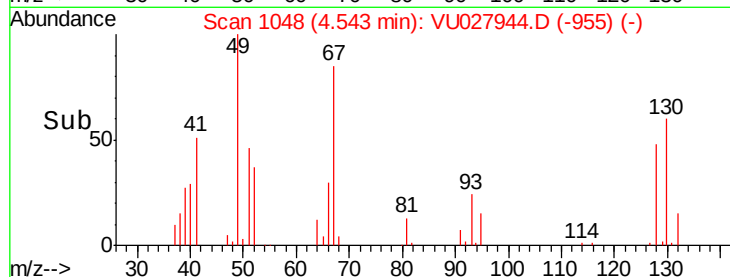
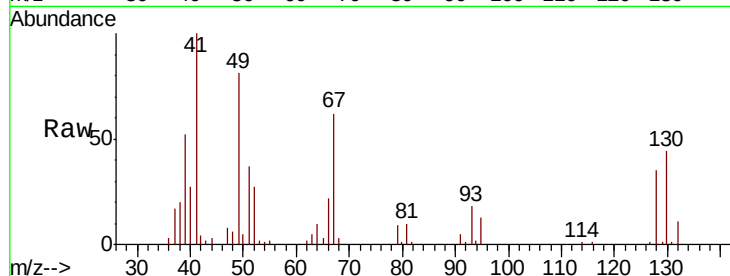
#41  
Methacrylonitrile  
Concen: 20.129 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 52.6  | 42.2  | 63.4  |
| 67      | 62.7  | 49.5  | 74.3  |
| 52      | 26.2  | 20.5  | 30.7  |

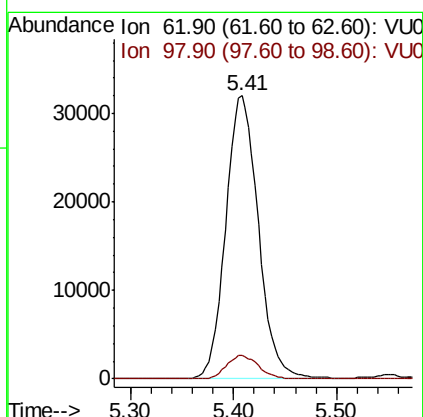
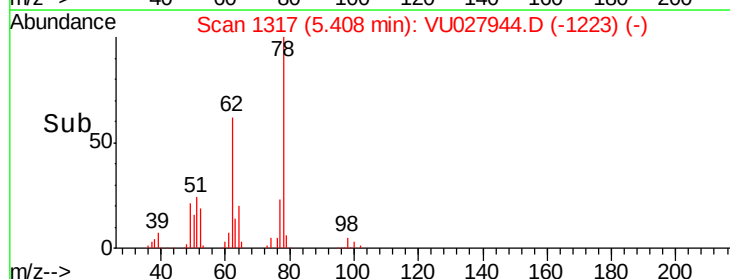
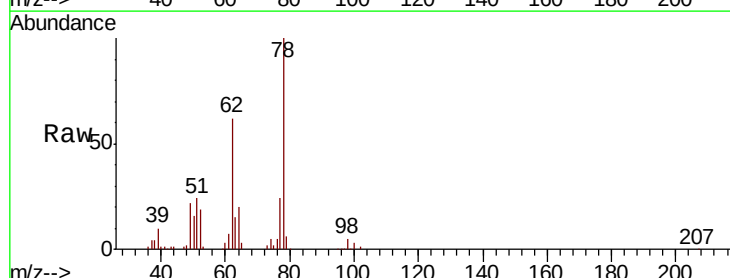
Manual Integrations  
APPROVED

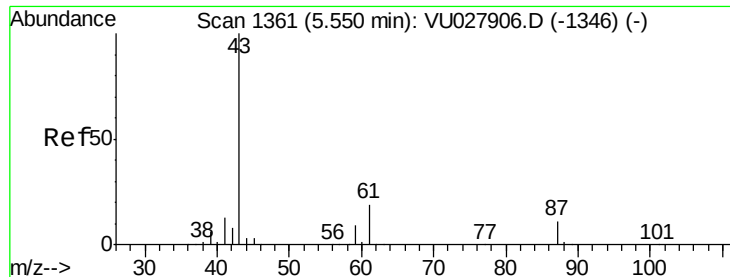
MMDadoda  
11/6/2018 12:06:53 PM



#42  
1,2-Dichloroethane  
Concen: 19.392 ug/l  
RT: 5.41 min Scan# 1317  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.0   | 0.0   | 17.2  |





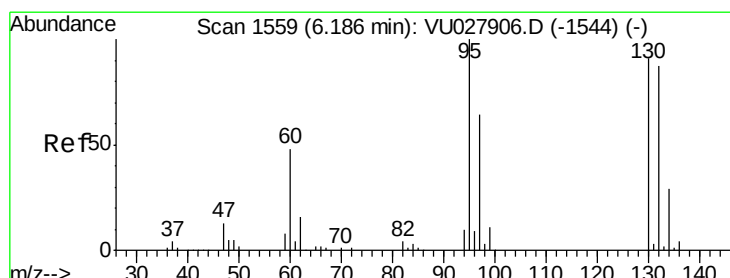
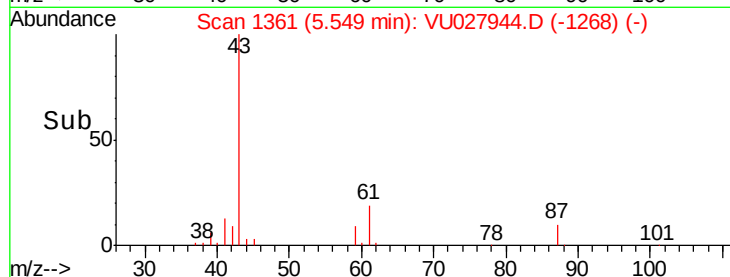
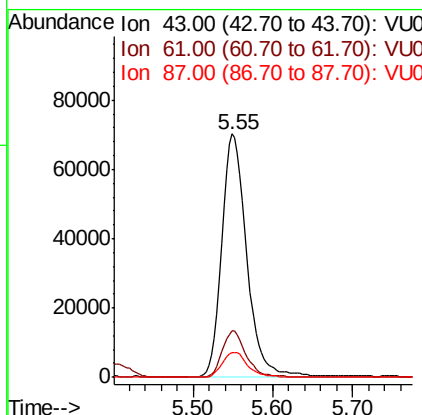
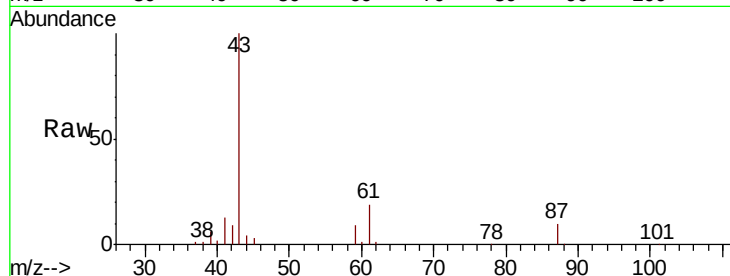
#43  
Isopropyl Acetate  
Concen: 19.812 ug/l  
RT: 5.55 min Scan# 1361  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.2  | 15.0  | 22.4  |
| 87      | 10.4  | 8.6   | 12.8  |

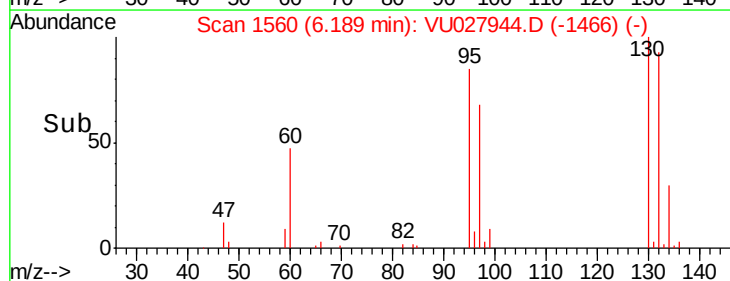
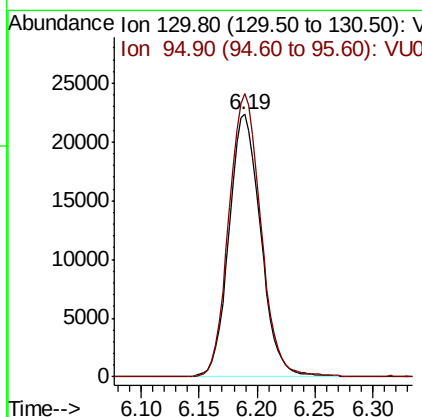
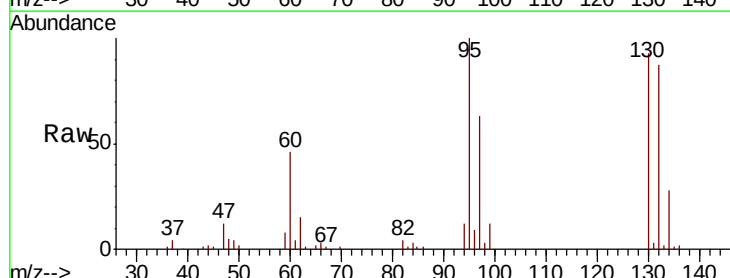
Manual Integrations  
APPROVED

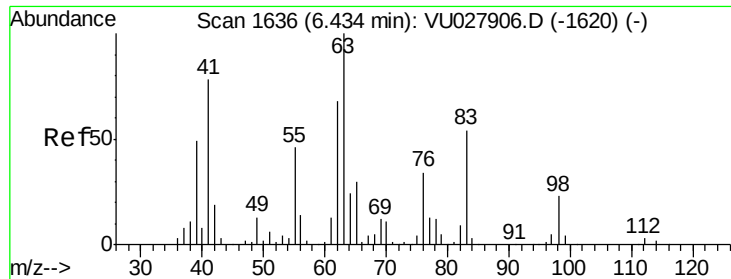
MMDadoda  
11/6/2018 12:06:53 PM



#44  
Trichloroethene  
Concen: 19.297 ug/l  
RT: 6.19 min Scan# 1560  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 107.9 | 0.0   | 219.2 |





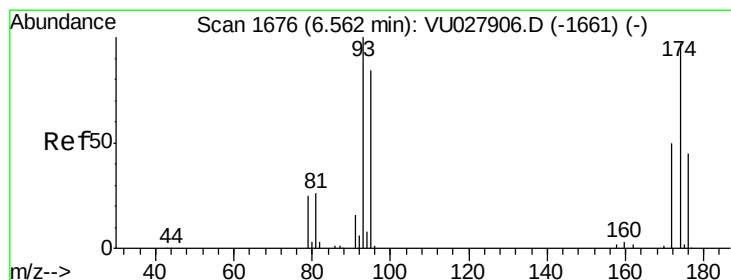
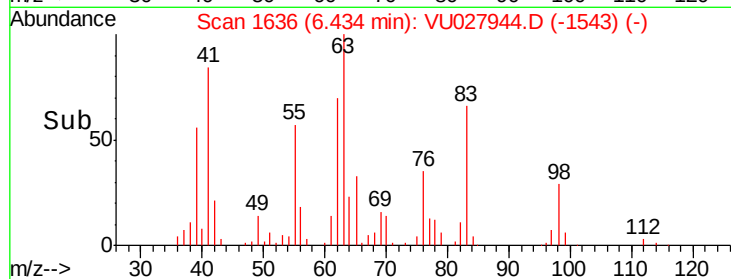
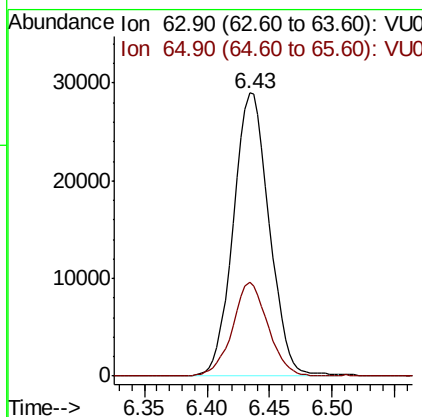
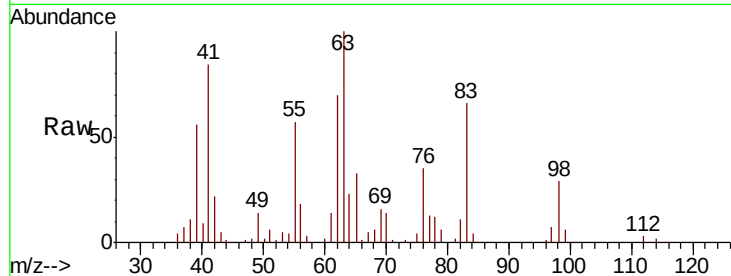
#45  
 1,2-Dichloropropane  
 Concen: 19.601 ug/l  
 RT: 6.43 min Scan# 1636  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBSD01

Tot Ion: 63 Resp: 57816  
 Ion Ratio Lower Upper  
 63 100  
 65 33.3 24.4 36.6

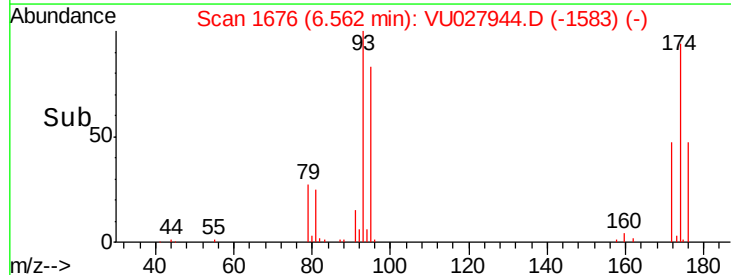
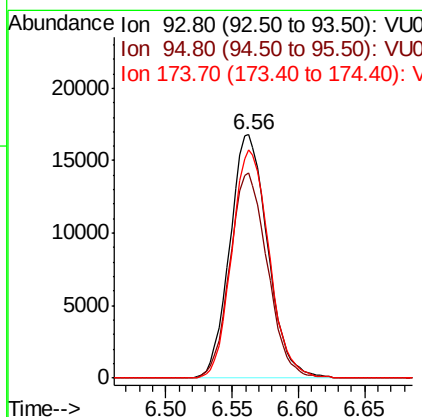
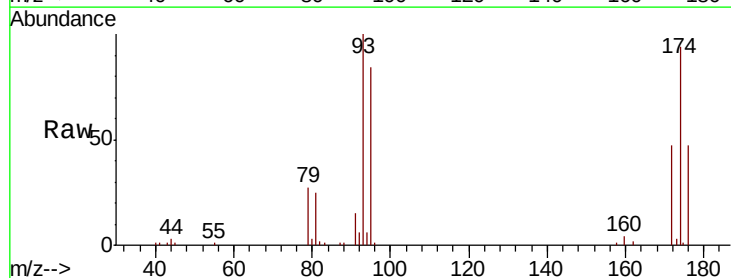
Manual Integrations  
 APPROVED

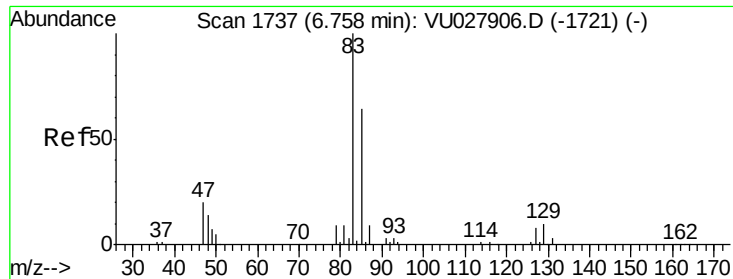
MMDadoda  
 11/6/2018 12:06:53 PM



#46  
 Dibromomethane  
 Concen: 19.683 ug/l  
 RT: 6.56 min Scan# 1676  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Tgt Ion: 93 Resp: 33372  
 Ion Ratio Lower Upper  
 93 100  
 95 83.1 68.5 102.7  
 174 92.1 76.1 114.1





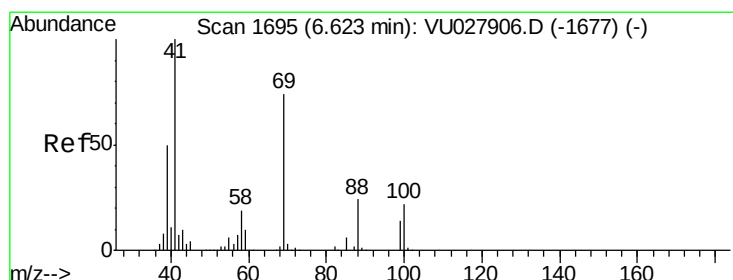
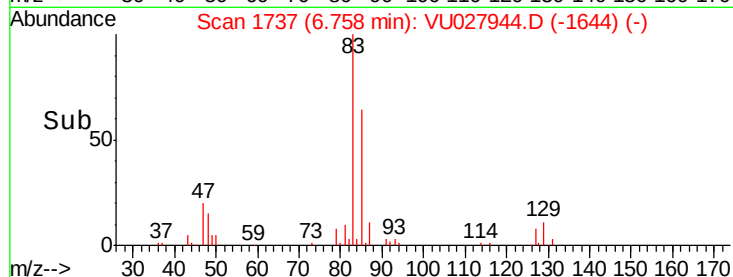
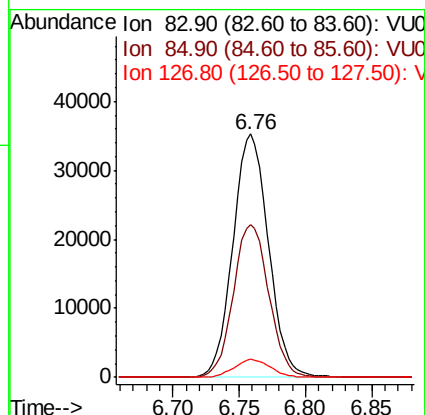
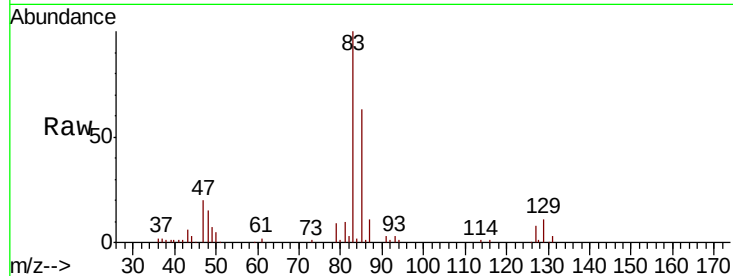
#47  
Bromodichloromethane  
Concen: 20.099 ug/l  
RT: 6.76 min Scan# 1737  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion   | 83   | Resp  | 65671 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 62.8 | 51.0  | 76.6  |
| 127       | 7.5  | 6.2   | 9.4   |

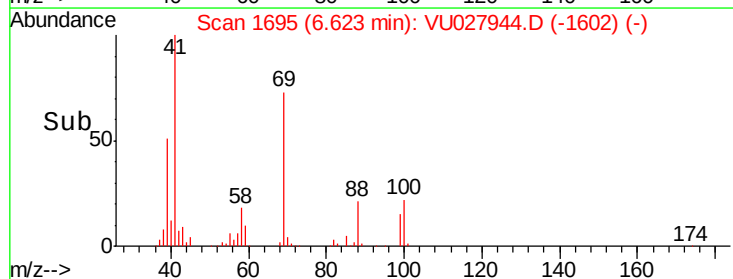
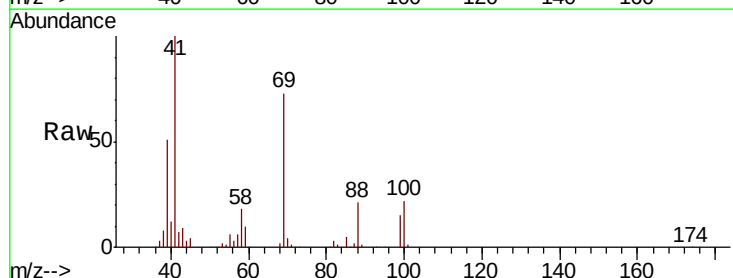
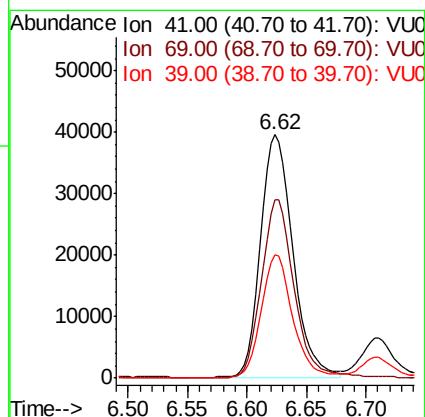
Manual Integrations  
APPROVED

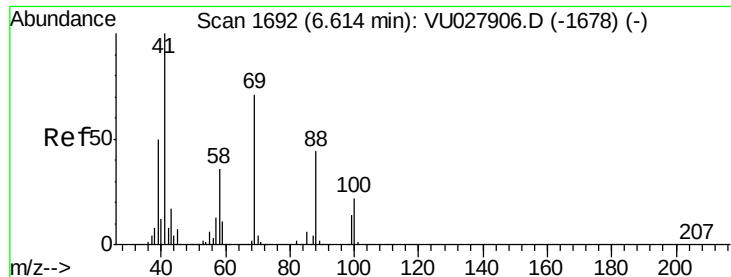
MMDadoda  
11/6/2018 12:06:53 PM



#48  
Methyl methacrylate  
Concen: 19.992 ug/l  
RT: 6.62 min Scan# 1695  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion   | 41   | Resp  | 75236 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 74.3 | 59.8  | 89.8  |
| 39        | 49.1 | 40.0  | 60.0  |





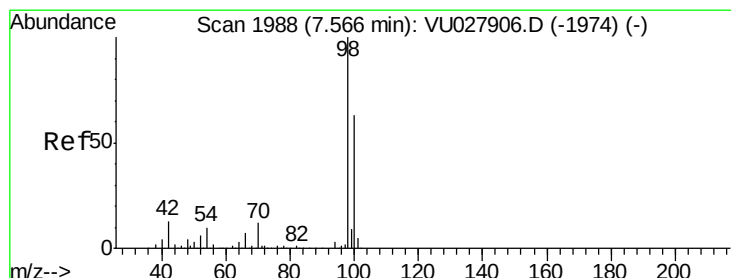
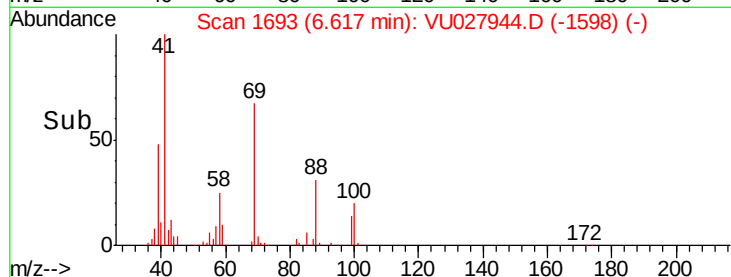
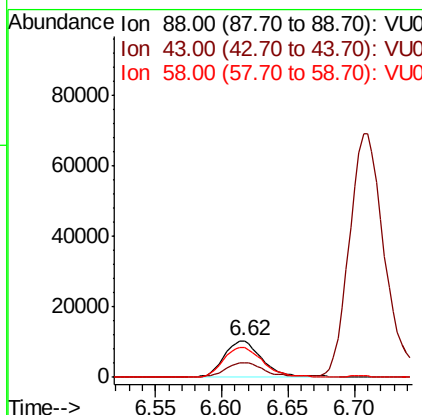
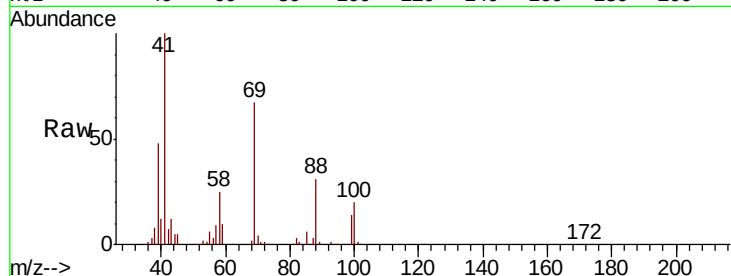
#49  
1,4-Dioxane  
Concen: 340.568 ug/l  
RT: 6.62 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.2  | 30.5  | 45.7  |
| 58      | 83.9  | 67.1  | 100.7 |

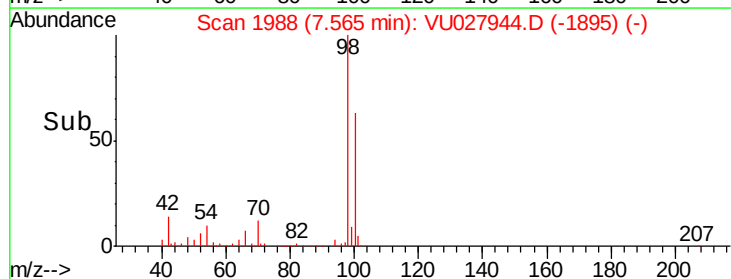
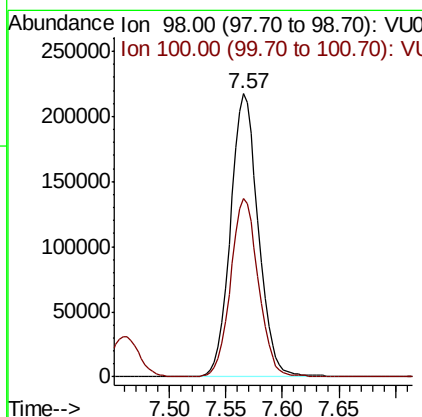
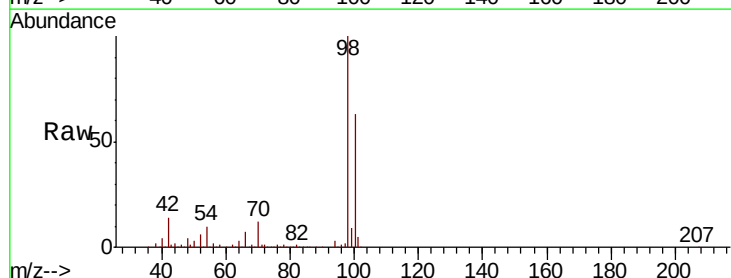
Manual Integrations  
APPROVED

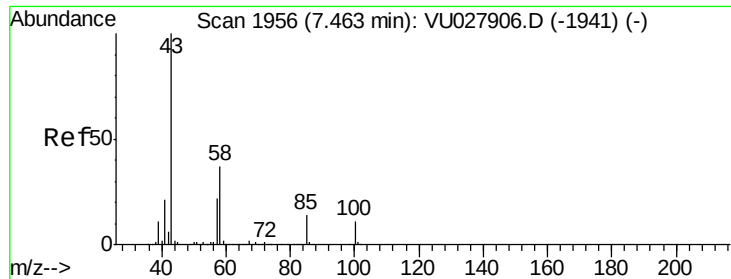
MMDadoda  
11/6/2018 12:06:53 PM



#50  
Toluene-d8  
Concen: 47.879 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.7  | 50.1  | 75.1  |





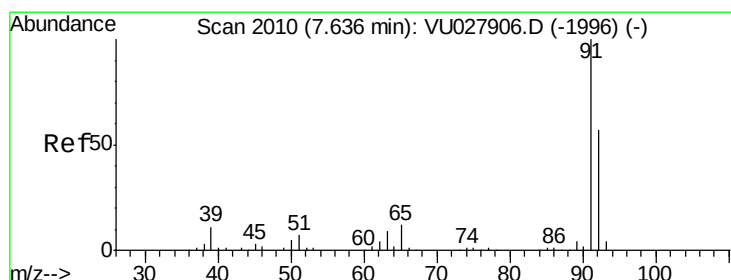
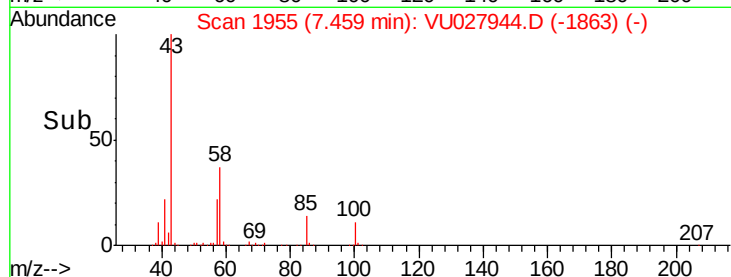
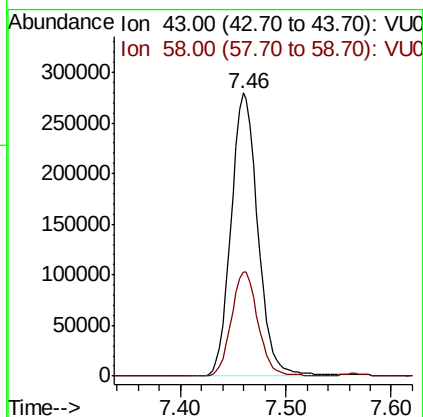
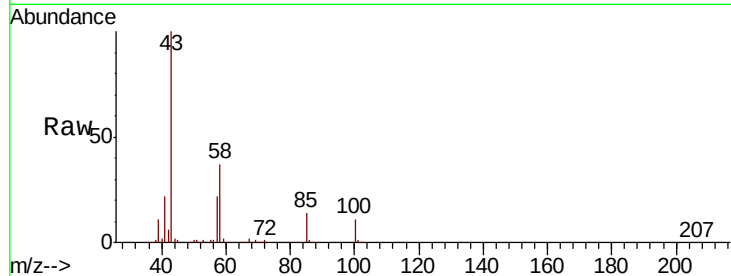
#51  
4-Methyl-2-Pentanone  
Concen: 95.901 ug/l  
RT: 7.46 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 36.7  | 29.5  | 44.3  |

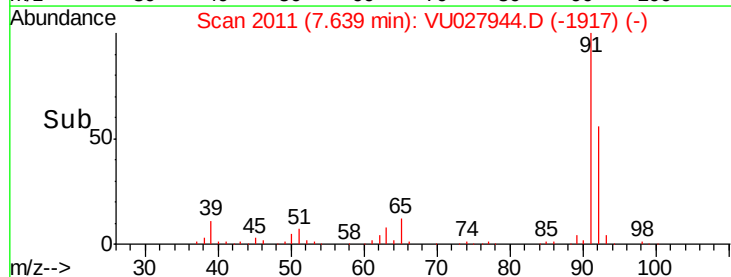
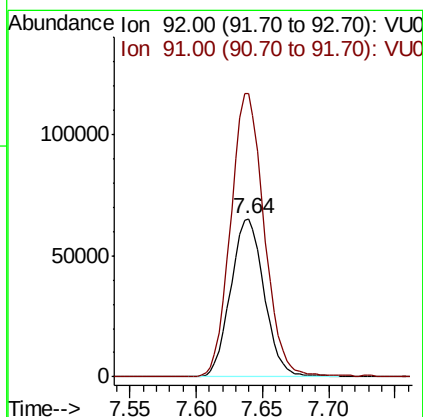
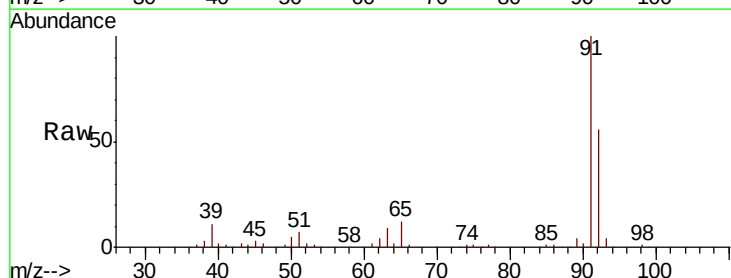
Manual Integrations  
APPROVED

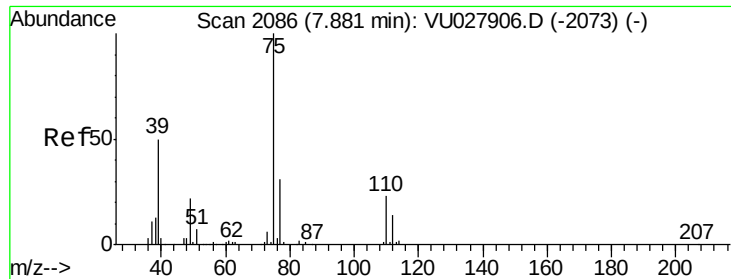
MMDadoda  
11/6/2018 12:06:53 PM



#52  
Toluene  
Concen: 19.114 ug/l  
RT: 7.64 min Scan# 2011  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 179.2 | 141.2 | 211.8 |





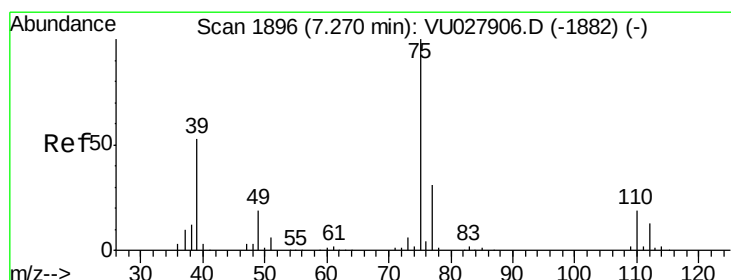
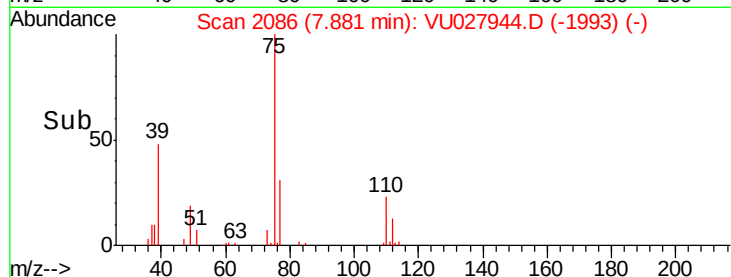
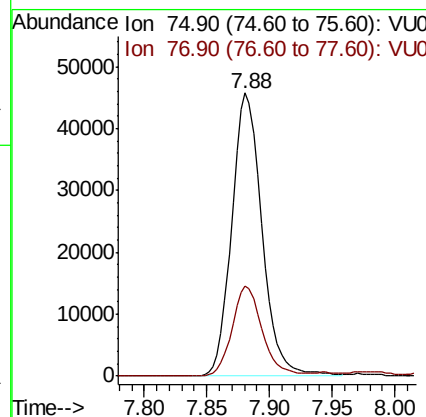
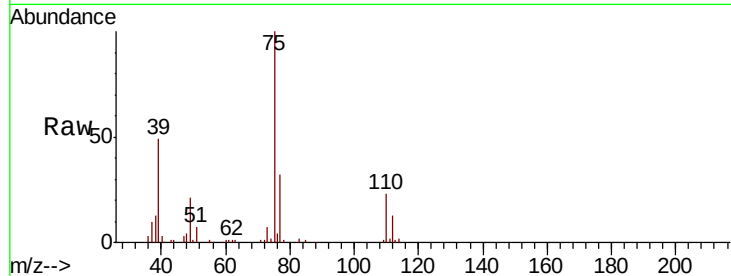
#53  
t-1,3-Dichloropropene  
Concen: 19.597 ug/l  
RT: 7.88 min Scan# 2086  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

Tot Ion: 75 Resp: 76586  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.1 37.7

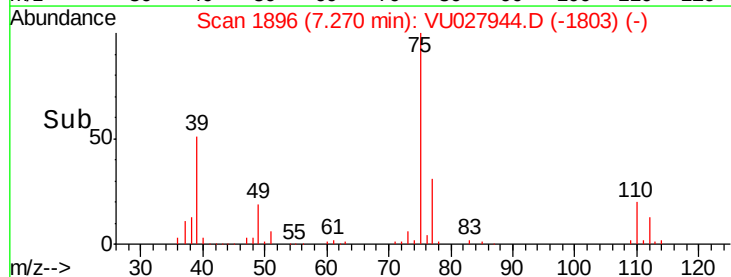
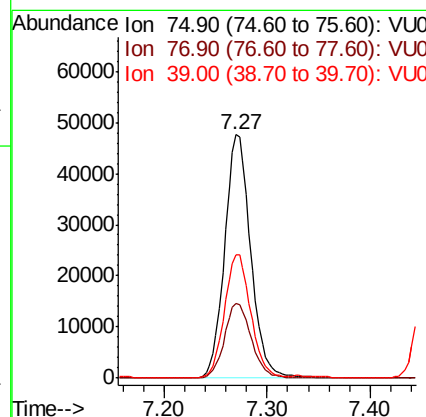
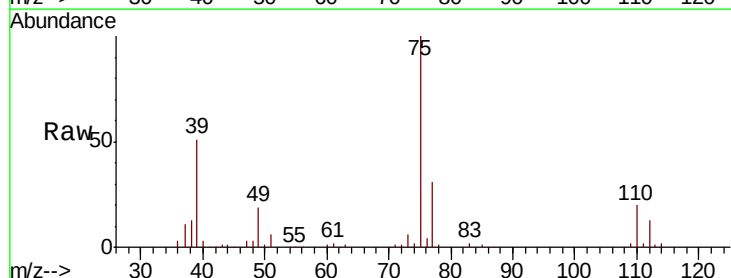
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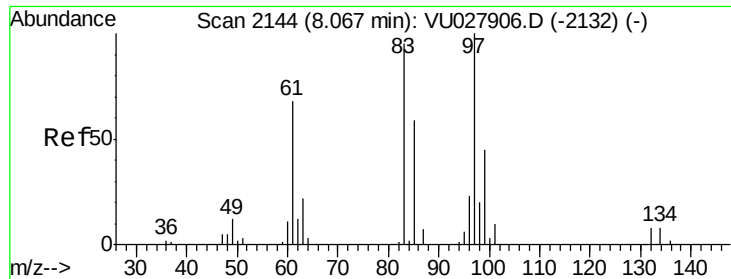


#54  
cis-1,3-Dichloropropene  
Concen: 20.796 ug/l  
RT: 7.27 min Scan# 1896  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Tgt Ion: 75 Resp: 83763  
Ion Ratio Lower Upper  
75 100  
77 30.6 24.6 37.0  
39 50.8 42.6 64.0







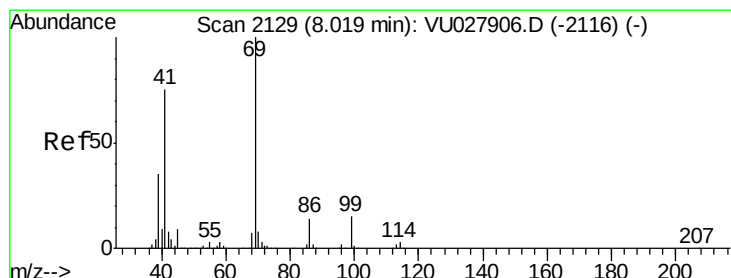
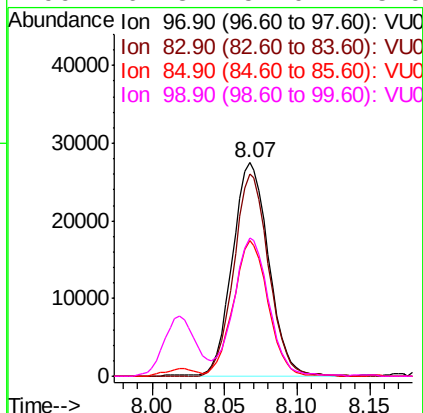
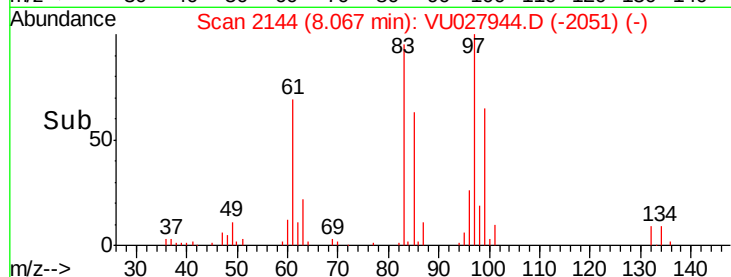
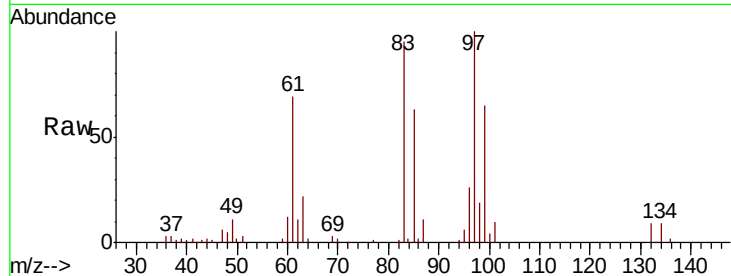
#55  
1,1,2-Trichloroethane  
Concen: 19.535 ug/l  
RT: 8.07 min Scan# 2144  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 47788 |       |       |
| 83      | 94.7 | 76.1  | 114.1 |       |       |
| 85      | 63.3 | 48.9  | 73.3  |       |       |
| 99      | 64.3 | 52.0  | 78.0  |       |       |

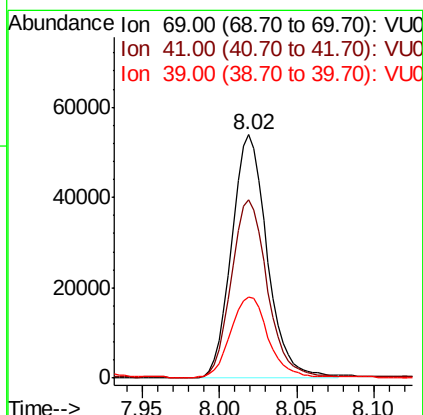
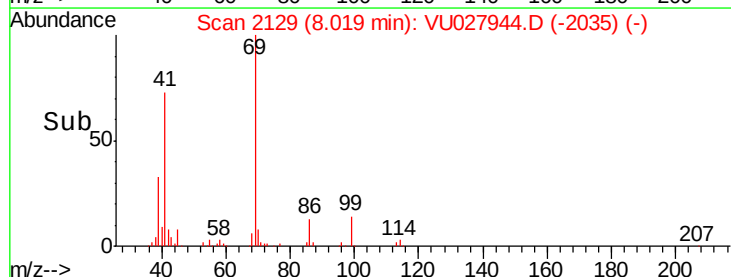
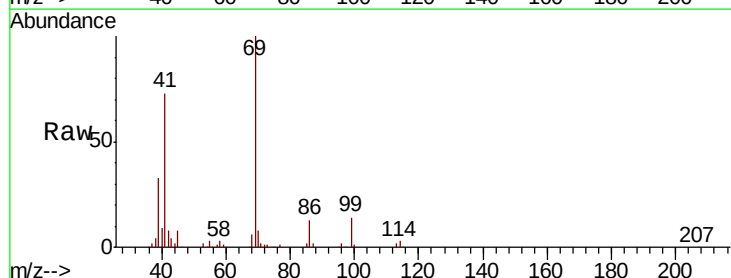
Manual Integrations  
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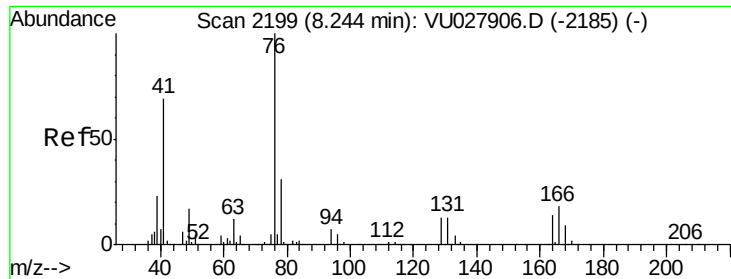
MMDadoda  
11/6/2018 12:06:53 PM



#56  
Ethyl methacrylate  
Concen: 19.918 ug/l  
RT: 8.02 min Scan# 2129  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 69      | 100  |       | 85926 |       |       |
| 41      | 75.2 | 59.8  | 89.6  |       |       |
| 39      | 35.1 | 28.6  | 42.8  |       |       |





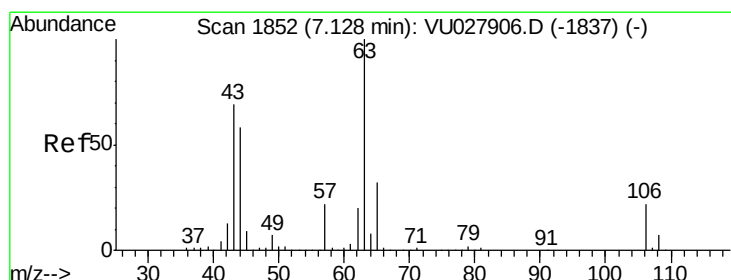
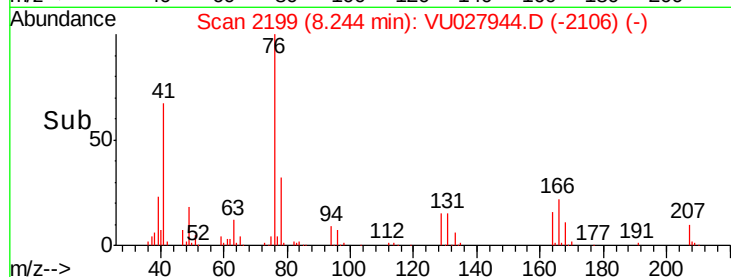
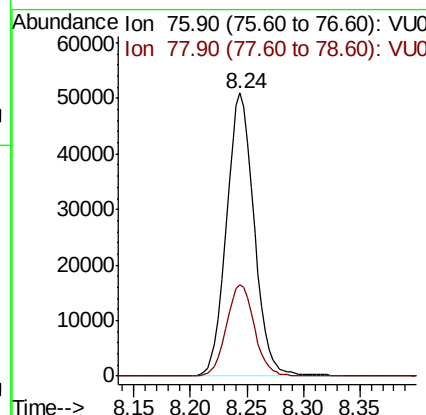
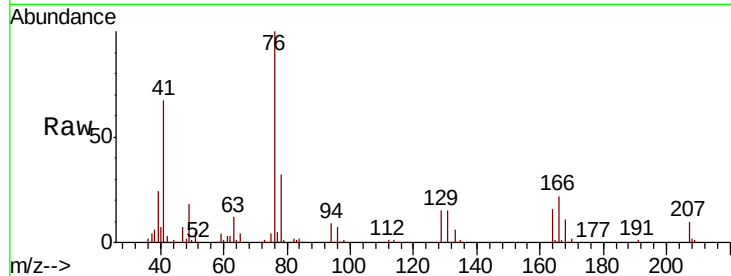
#57  
 1,3-Dichloropropane  
 Concen: 19.449 ug/l  
 RT: 8.24 min Scan# 2199  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBSD01

Tot Ion: 76 Resp: 86668  
 Ion Ratio Lower Upper  
 76 100  
 78 32.5 25.3 37.9

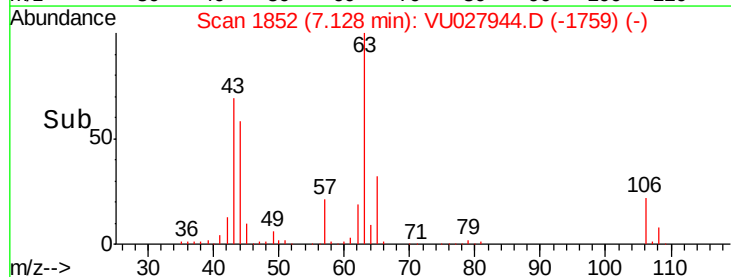
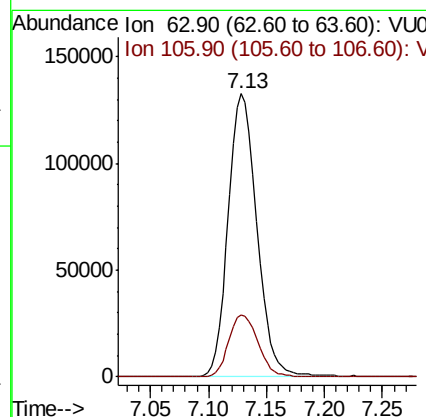
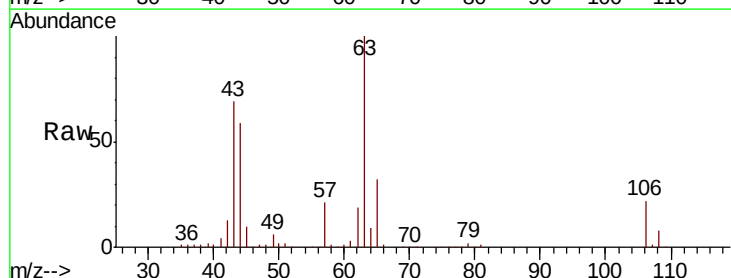
Manual Integrations  
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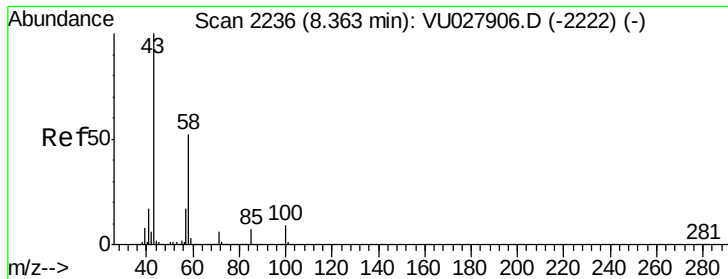
MMDadoda  
 11/6/2018 12:06:53 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 98.459 ug/l  
 RT: 7.13 min Scan# 1852  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Tgt Ion: 63 Resp: 227492  
 Ion Ratio Lower Upper  
 63 100  
 106 22.4 17.8 26.6





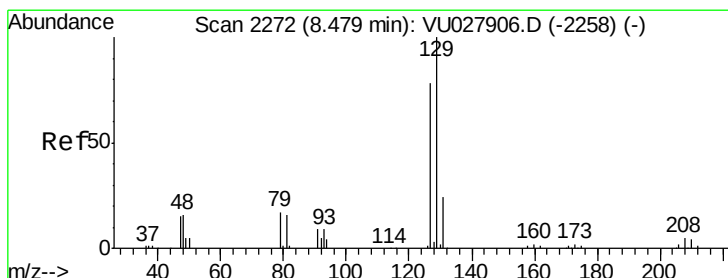
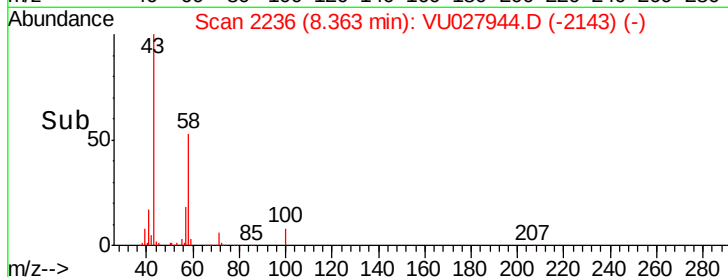
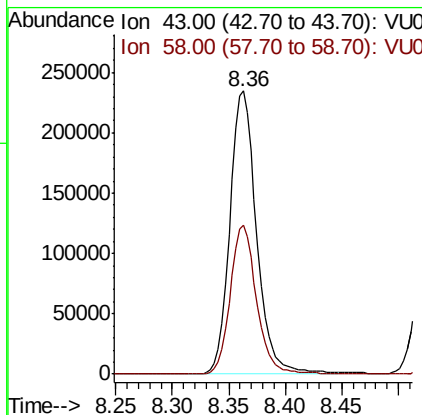
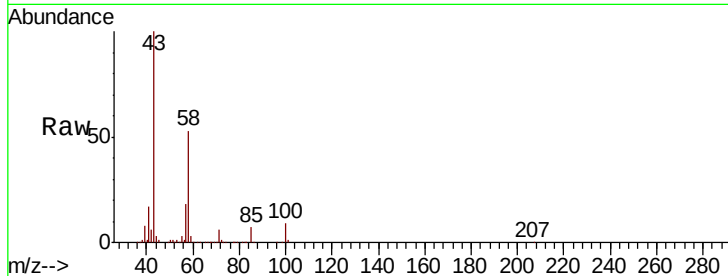
#59  
2-Hexanone  
Concen: 97.268 ug/l  
RT: 8.36 min Scan# 2236  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

Tot Ion: 43 Resp: 385822  
Ion Ratio Lower Upper  
43 100  
58 51.7 25.8 77.3

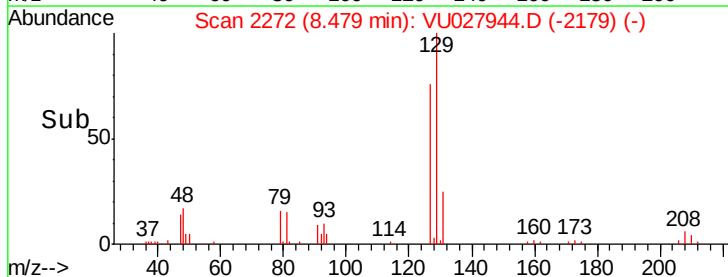
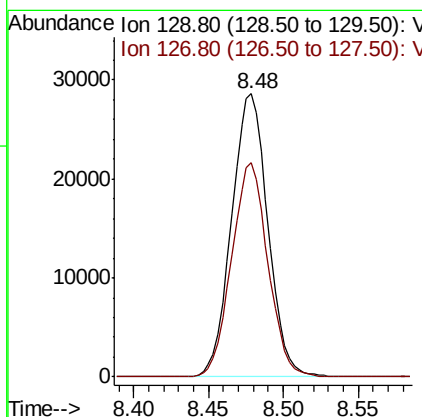
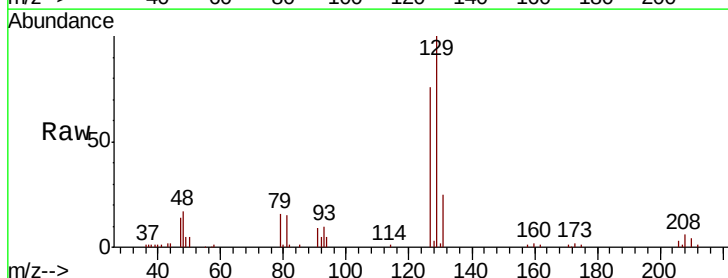
Manual Integrations  
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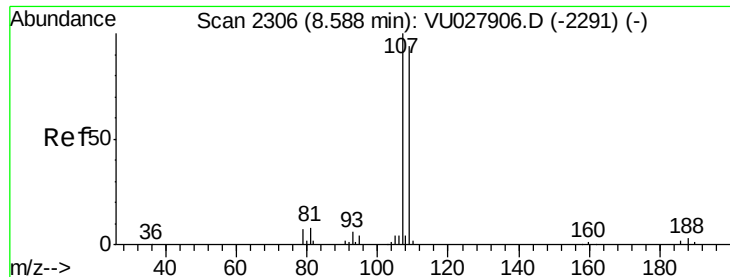
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 20.869 ug/l  
RT: 8.48 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Tgt Ion: 129 Resp: 48309  
Ion Ratio Lower Upper  
129 100  
127 75.6 39.2 117.6





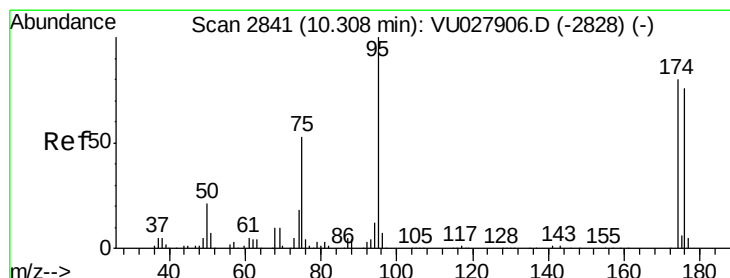
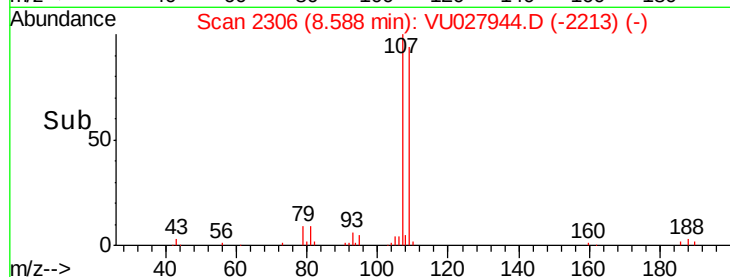
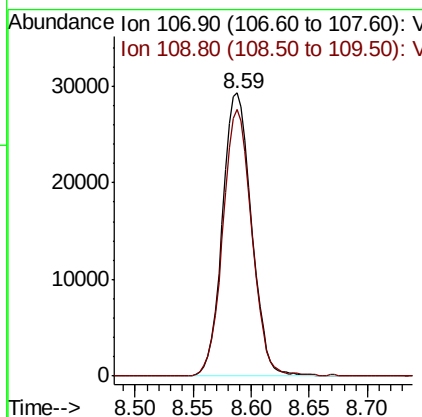
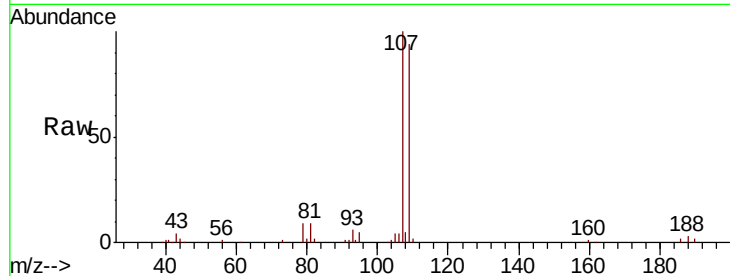
#61  
 1,2-Dibromoethane  
 Concen: 19.545 ug/l  
 RT: 8.59 min Scan# 2306  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.7  | 73.8  | 110.8 |

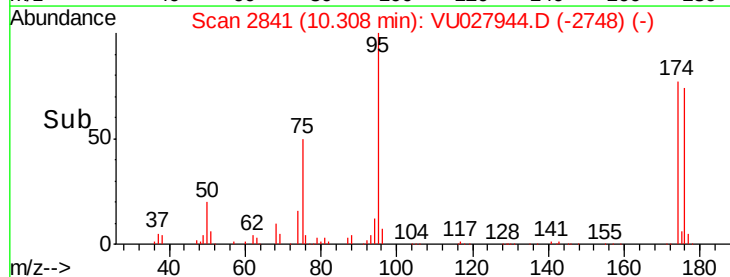
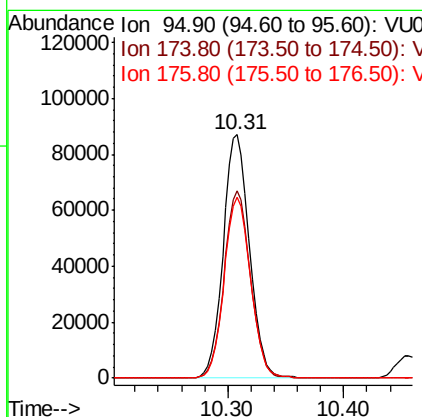
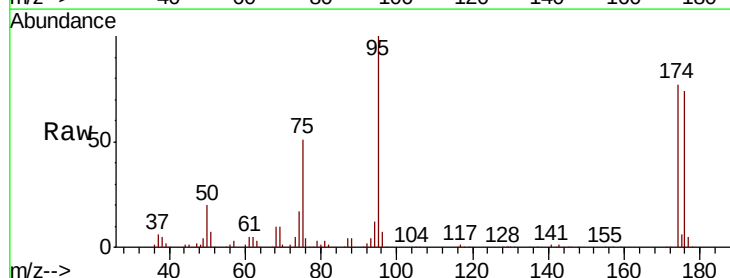
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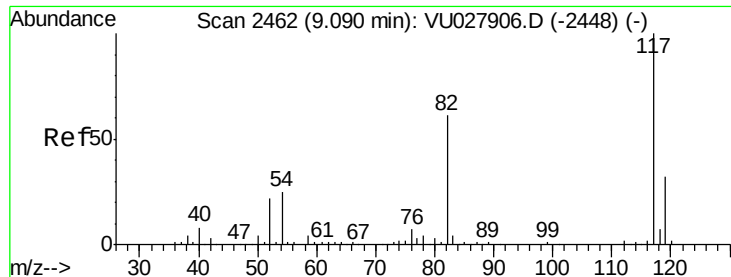
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 11/6/2018 12:06:53 PM



#62  
 4-Bromofluorobenzene  
 Concen: 47.571 ug/l  
 RT: 10.31 min Scan# 2841  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 77.2  | 0.0   | 156.4 |
| 176     | 74.9  | 0.0   | 150.8 |





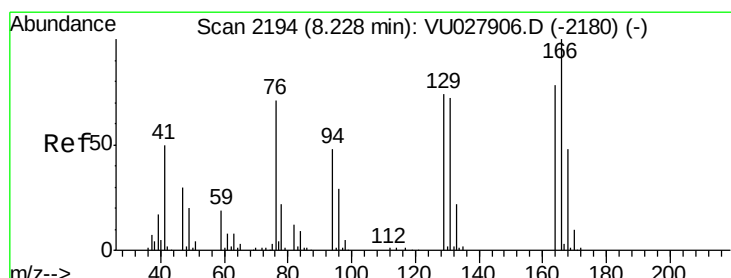
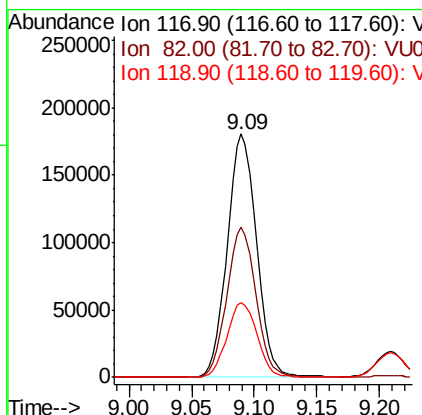
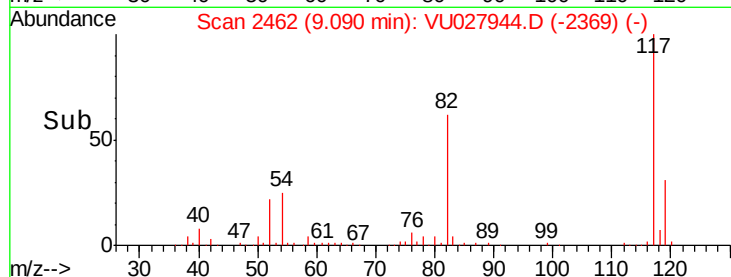
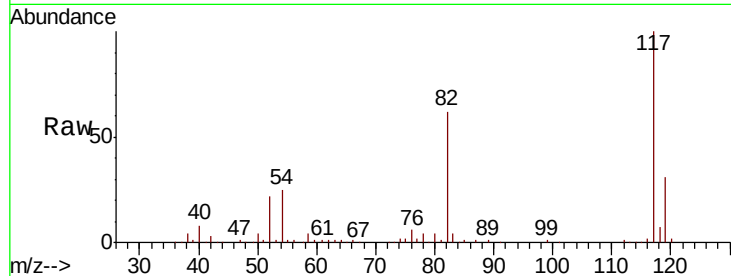
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 61.6  | 48.6  | 73.0  |
| 119     | 30.9  | 25.8  | 38.8  |

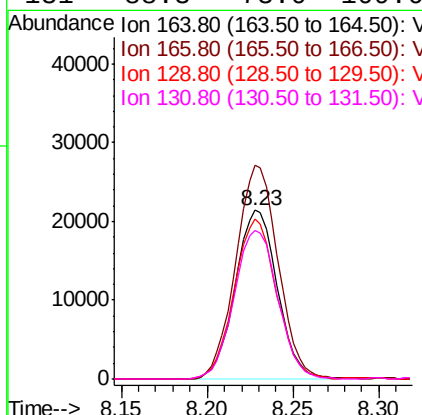
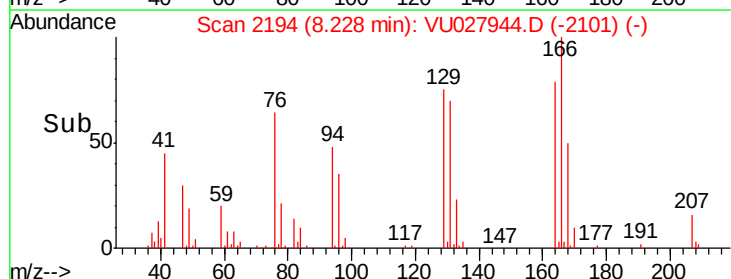
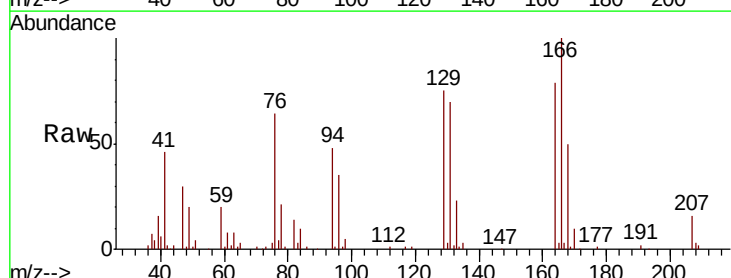
Manual Integrations  
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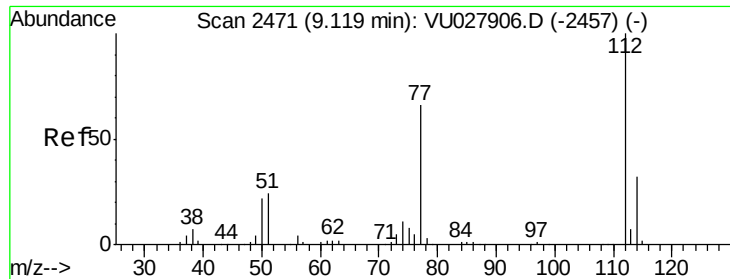
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#64  
Tetrachloroethene  
Concen: 19.126 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.5 | 102.1 | 153.1 |
| 129     | 94.7  | 75.9  | 113.9 |
| 131     | 88.3  | 73.0  | 109.6 |





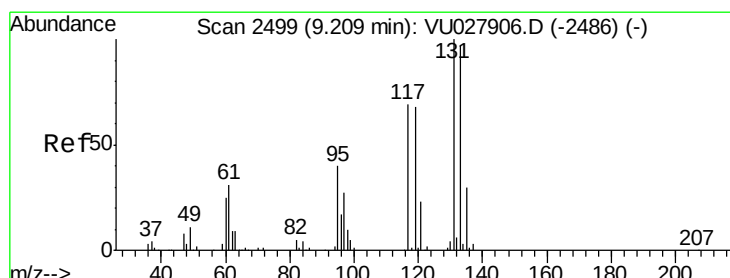
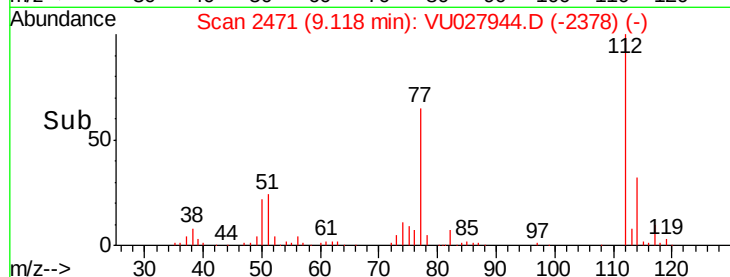
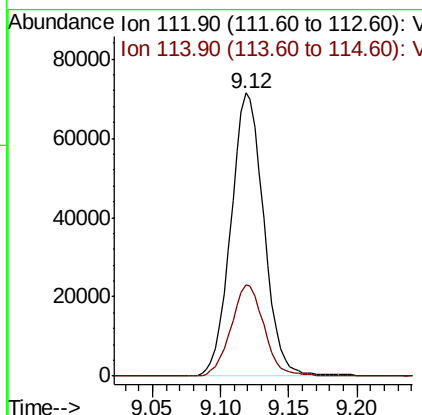
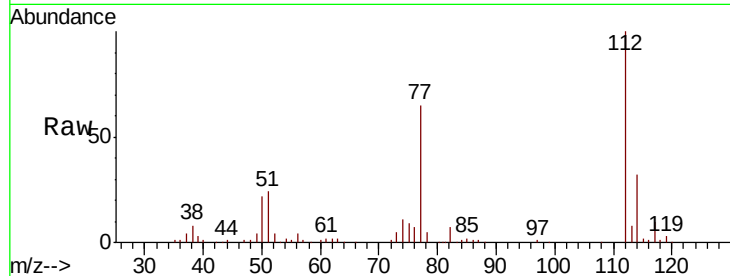
#65  
Chlorobenzene  
Concen: 19.261 ug/l  
RT: 9.12 min Scan# 2471  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

Tot Ion:112 Resp: 119642  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.2 37.8

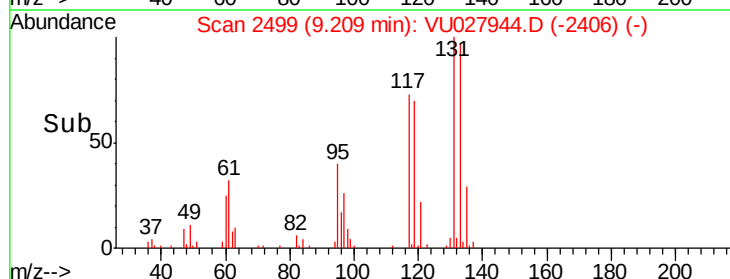
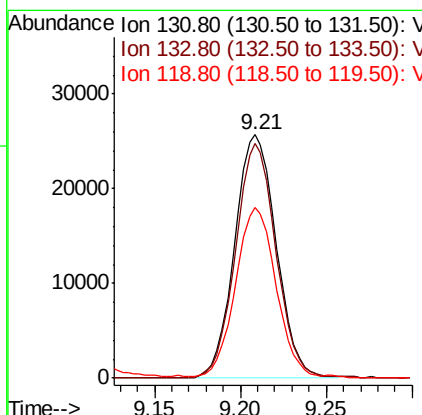
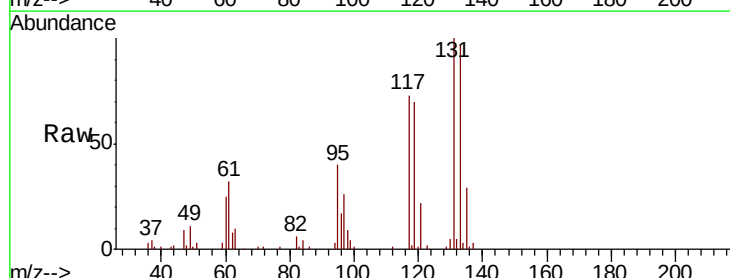
Manual Integrations  
APPROVED

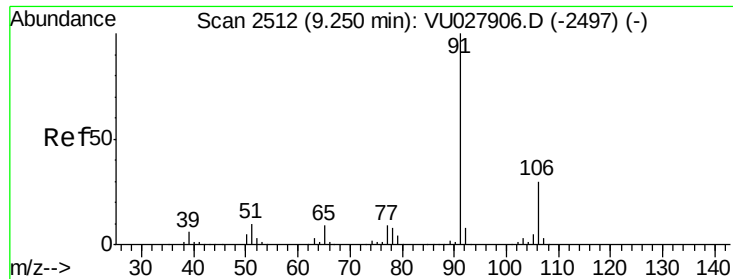
MMDadoda  
11/6/2018 12:06:53 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.359 ug/l  
RT: 9.21 min Scan# 2499  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Tgt Ion:131 Resp: 43196  
Ion Ratio Lower Upper  
131 100  
133 94.1 48.1 144.4  
119 66.6 34.0 101.8





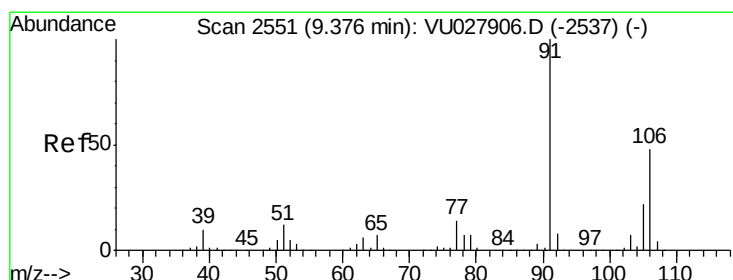
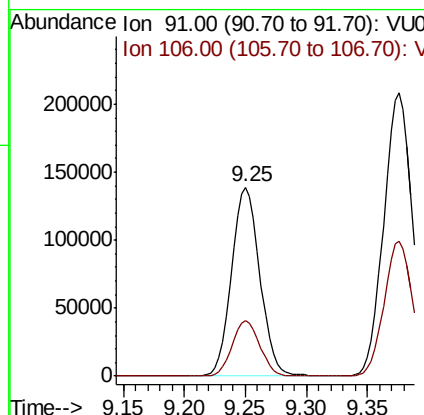
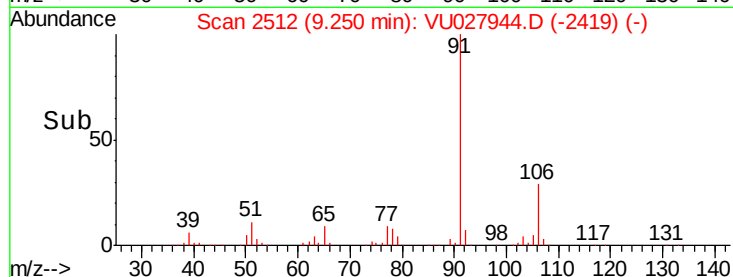
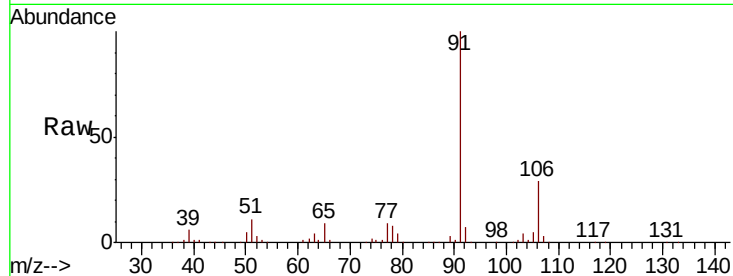
#67  
Ethyl Benzene  
Concen: 19.695 ug/l  
RT: 9.25 min Scan# 2512  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

Tot Ion: 91 Resp: 225185  
Ion Ratio Lower Upper  
91 100  
106 29.5 23.6 35.4

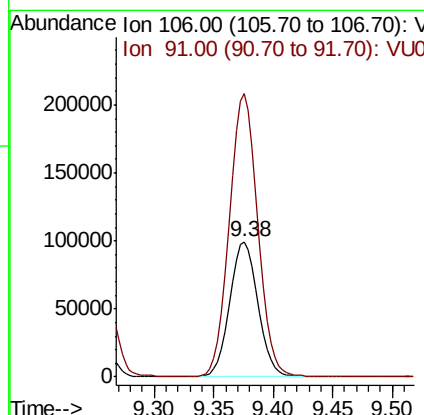
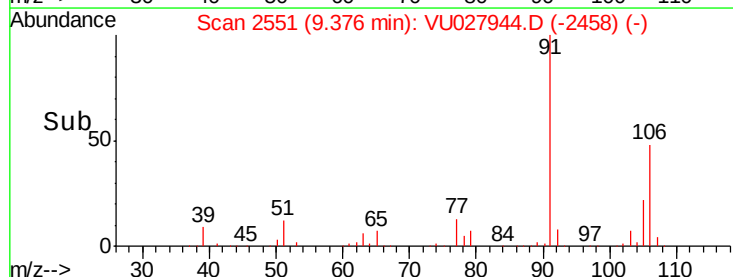
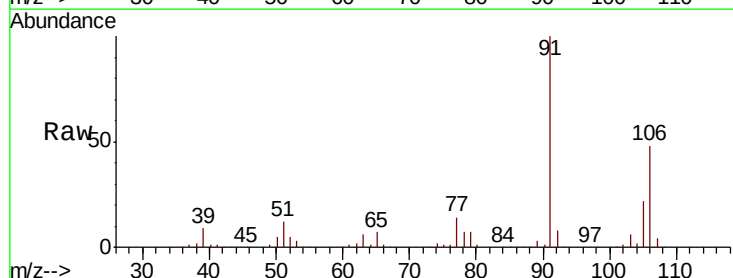
Manual Integrations  
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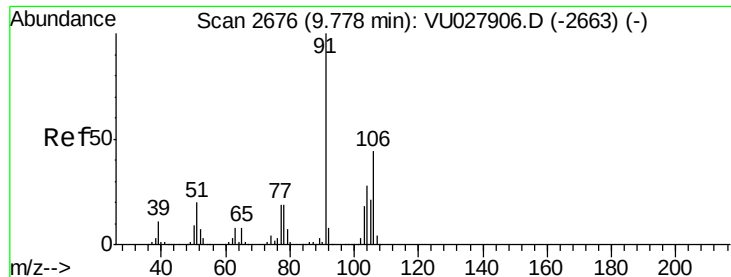
MMDadoda  
11/6/2018 12:06:53 PM



#68  
m/p-Xylenes  
Concen: 39.450 ug/l  
RT: 9.38 min Scan# 2551  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Tgt Ion: 106 Resp: 163663  
Ion Ratio Lower Upper  
106 100  
91 210.7 168.2 252.4





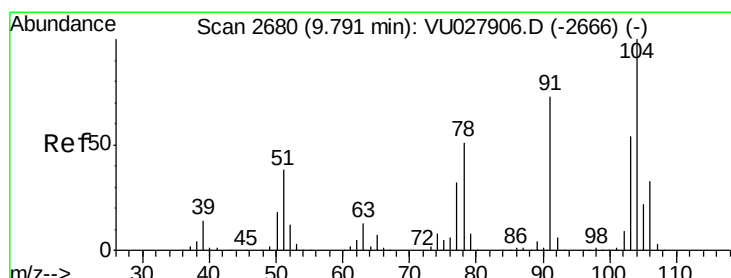
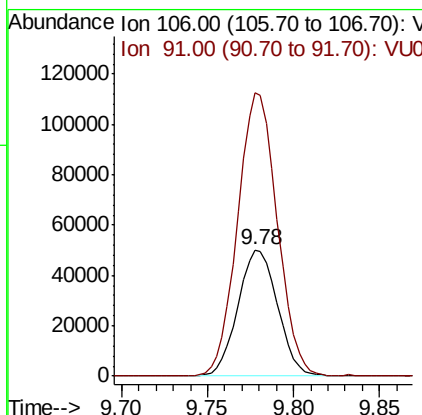
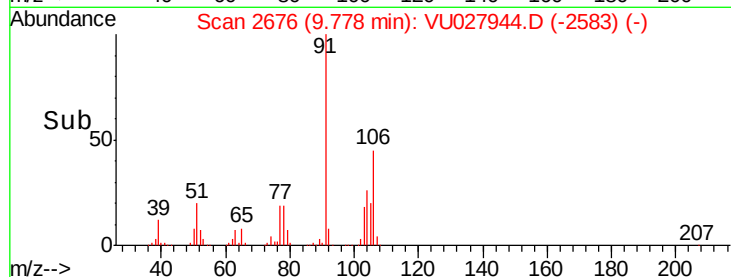
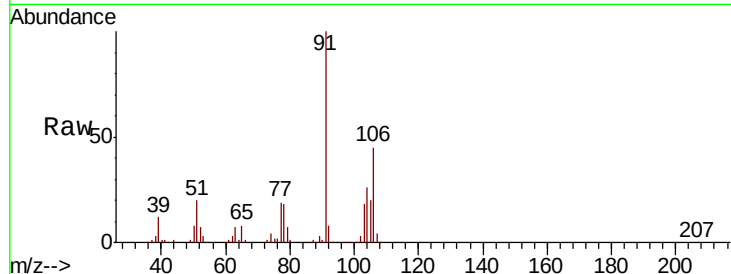
#69  
o-Xylene  
Concen: 19.167 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

Tot Ion:106 Resp: 80296  
Ion Ratio Lower Upper  
106 100  
91 224.0 111.1 333.4

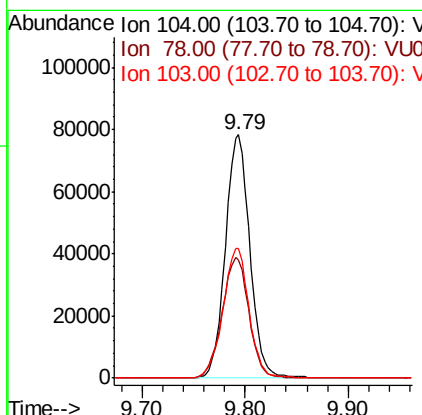
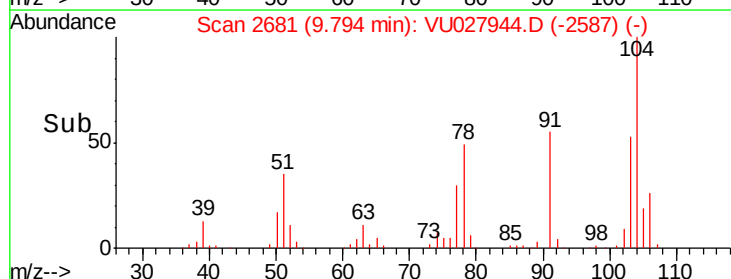
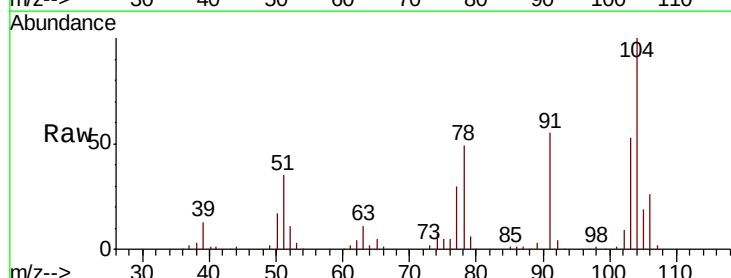
Manual Integrations  
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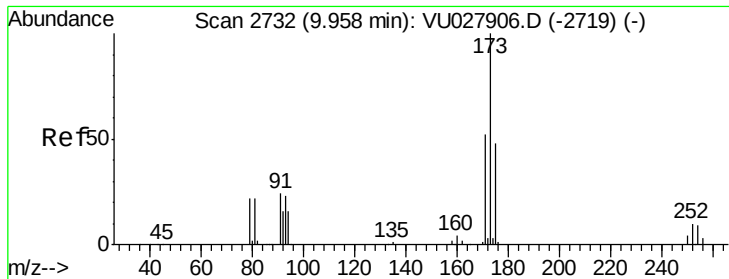


#70  
Styrene  
Concen: 19.363 ug/l  
RT: 9.79 min Scan# 2681  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Tgt Ion:104 Resp: 129609  
Ion Ratio Lower Upper  
104 100  
78 54.0 43.0 64.4  
103 56.7 45.1 67.7







#71

Bromoform

Concen: 19.609 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBSD01

Tot Ion:173 Resp: 34867

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

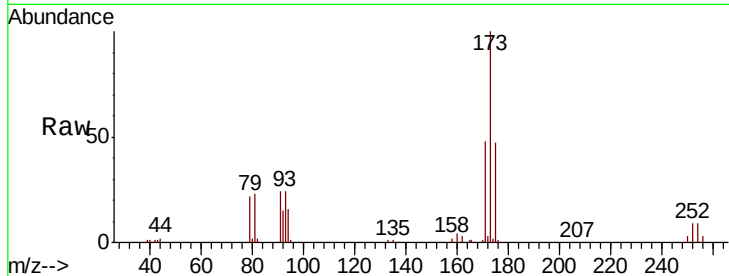
254 0.0 0.0 0.0

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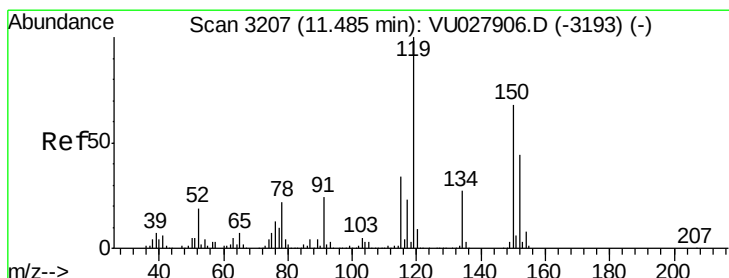
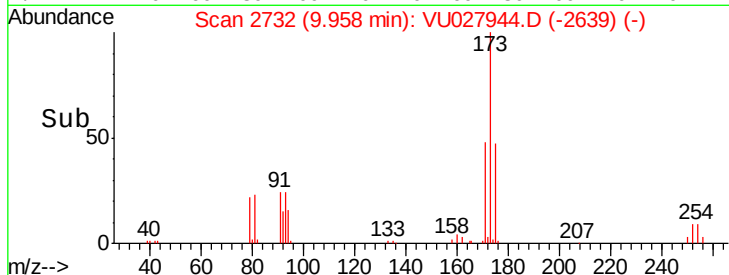
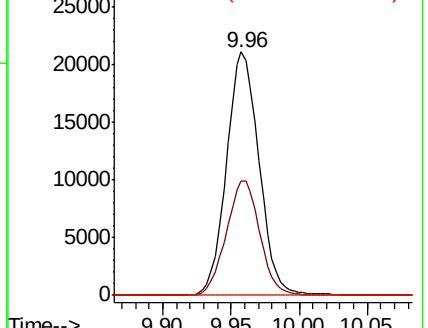
11/6/2018 12:06:53 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

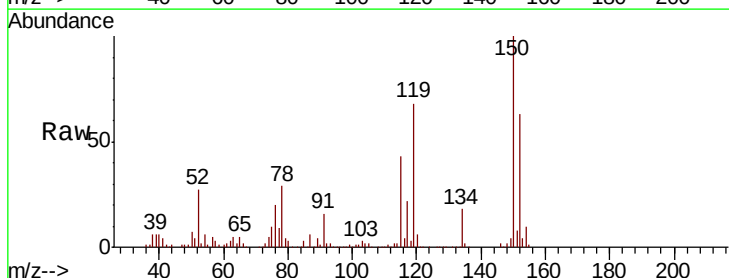
Tgt Ion:152 Resp: 140023

Ion Ratio Lower Upper

152 100

115 68.8 43.0 129.0

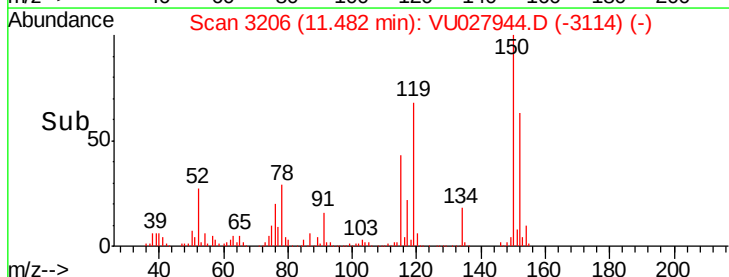
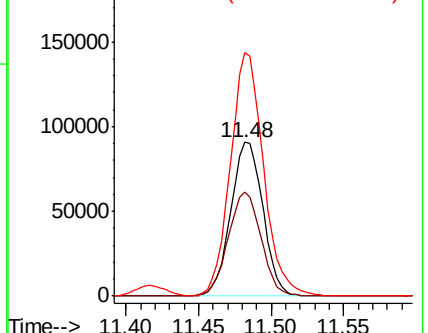
150 162.2 0.0 349.4

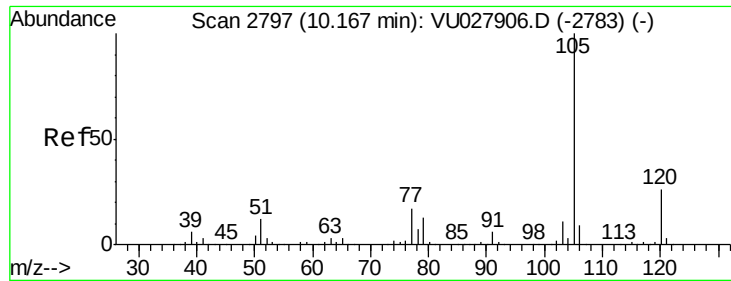


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.196 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBSD01

Tot Ion: 105 Resp: 219078

Ion Ratio Lower Upper

105 100

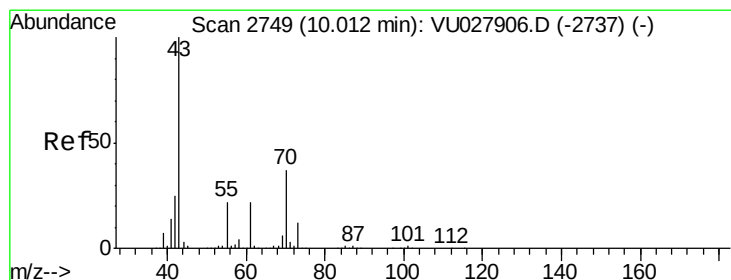
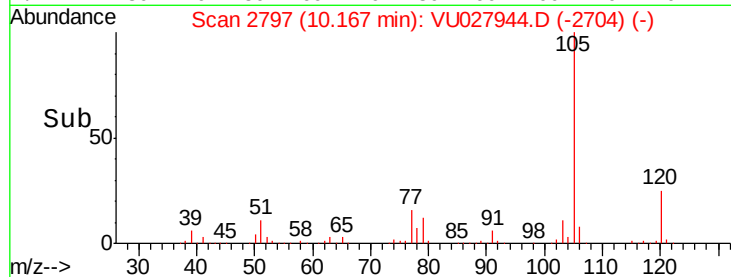
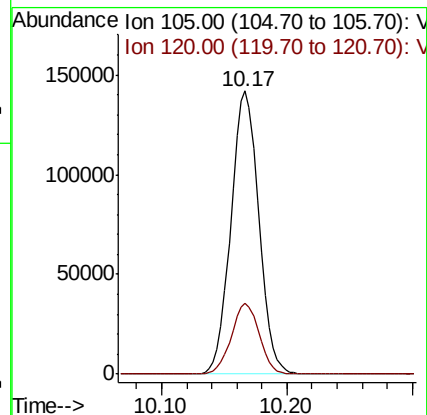
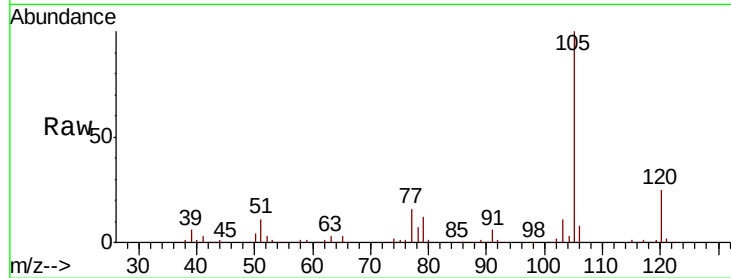
120 24.9 12.7 38.0

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#74

N-ethyl acetate

Concen: 19.874 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Tgt Ion: 43 Resp: 130362

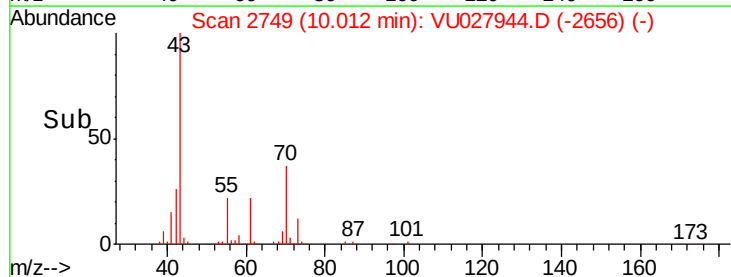
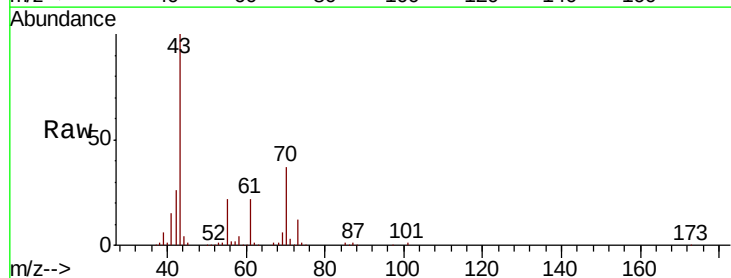
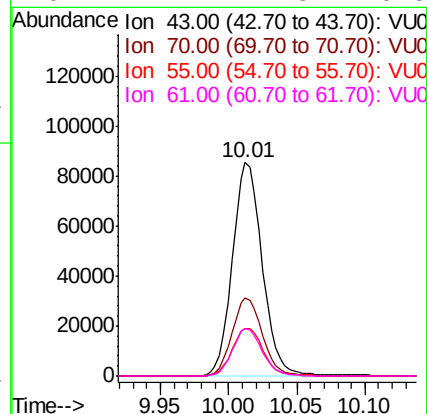
Ion Ratio Lower Upper

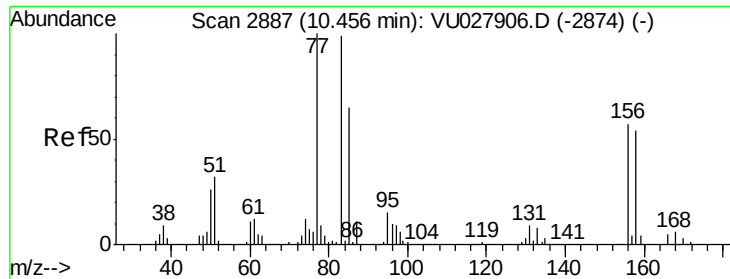
43 100

70 37.0 29.2 43.8

55 23.3 17.8 26.6

61 22.1 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.669 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

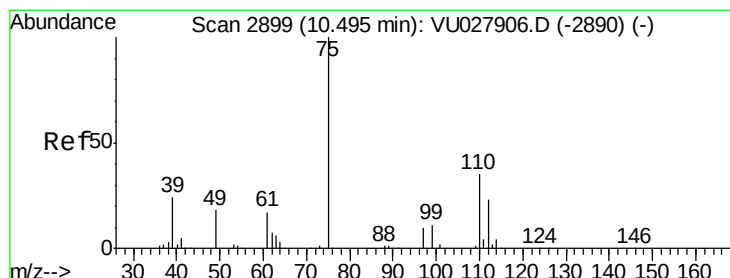
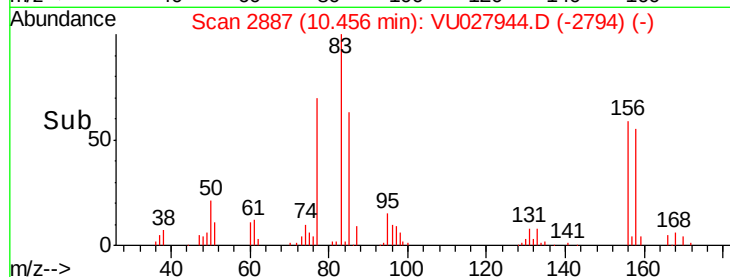
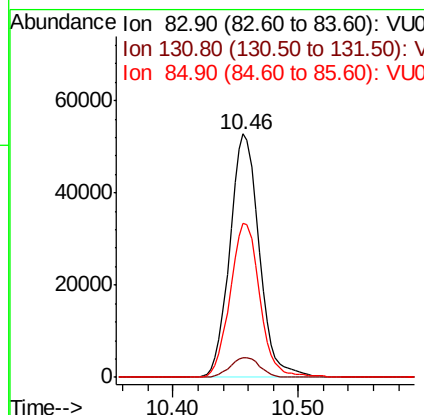
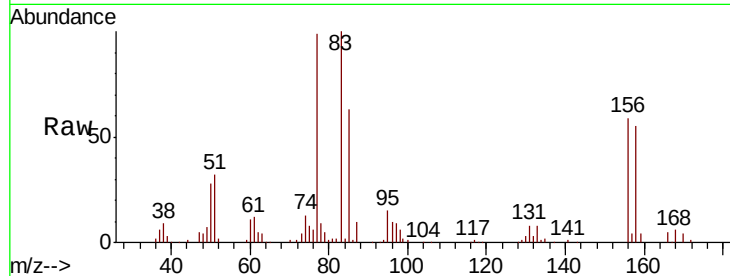
ClientSampleId :

VU1105WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 86062 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 8.1   | 4.3   | 13.1  |
| 85        | 63.9  | 32.4  | 97.2  |

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#76

1,2,3-Trichloropropane

Concen: 19.414 ug/l m

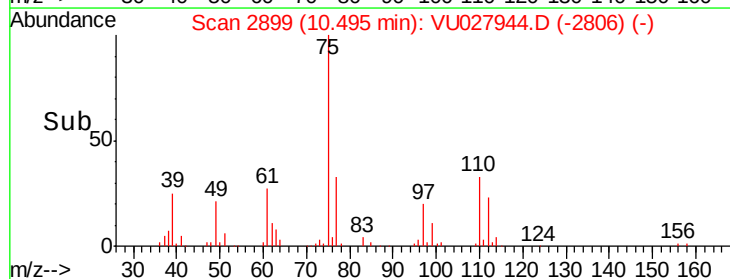
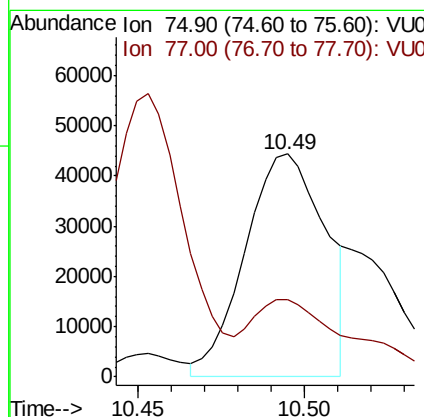
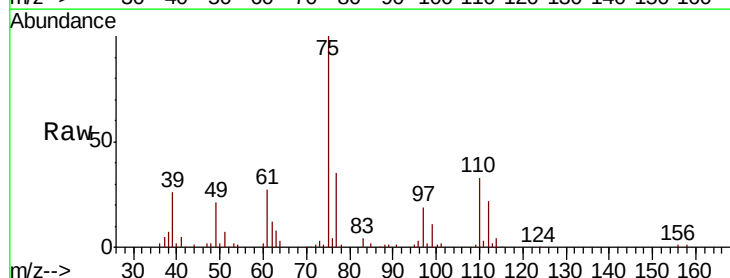
RT: 10.49 min Scan# 2899

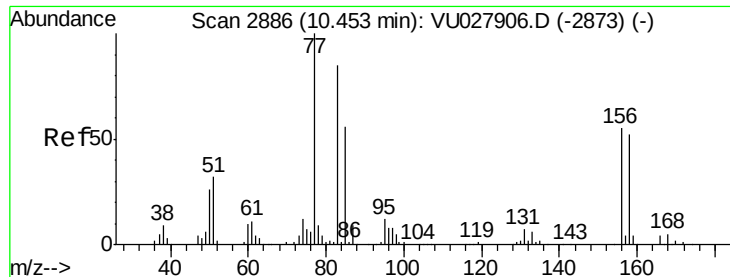
Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 74355 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 44.1  | 21.6  | 64.6  |





#77

Bromobenzene

Concen: 20.437 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

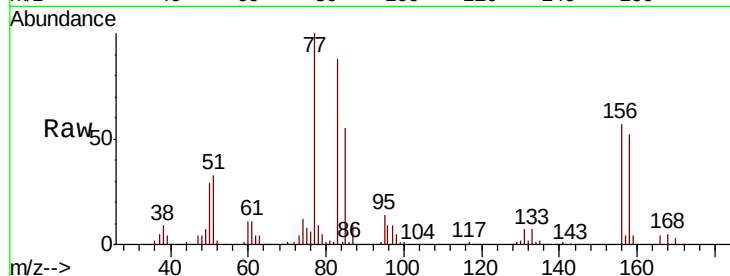
ClientSampleId :

VU1105WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 50834 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 179.1 | 91.8  | 275.6 |
| 158       | 94.4  | 48.4  | 145.2 |

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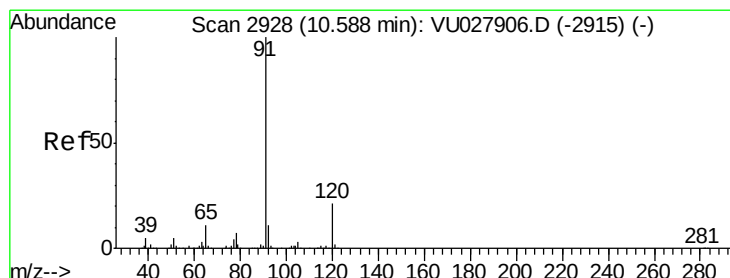
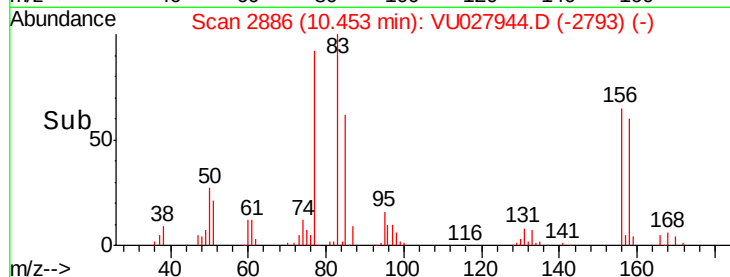
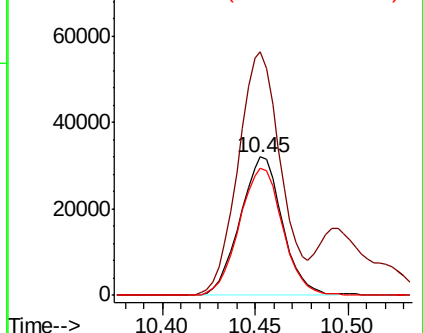
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.024 ug/l

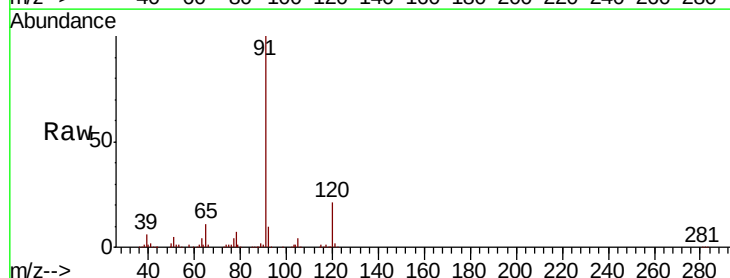
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027944.D

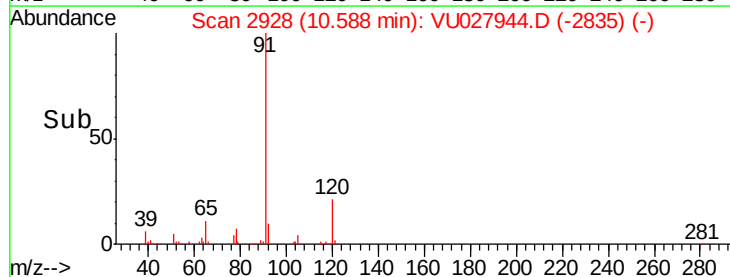
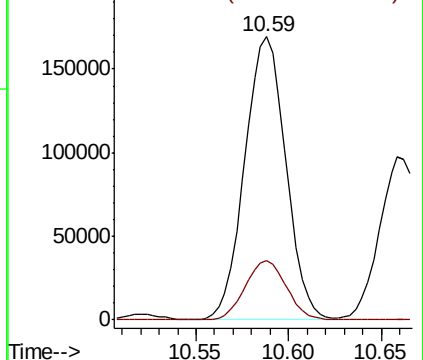
Acq: 05 Nov 2018 10:07

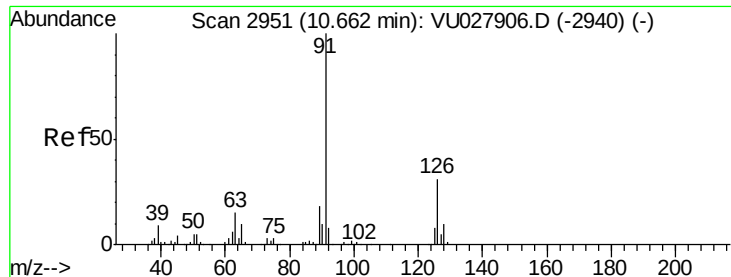
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 259993 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 20.9  | 10.6  | 31.8   |



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.515 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBSD01

Tot Ion: 91 Resp: 151882

Ion Ratio Lower Upper

91 100

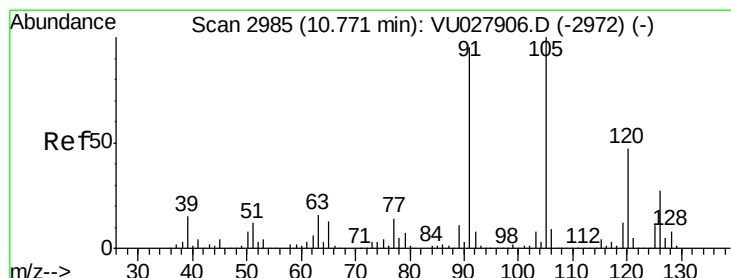
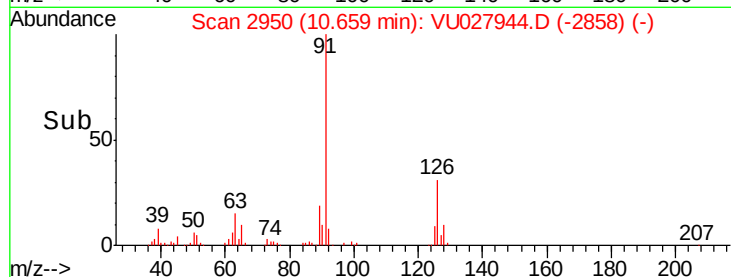
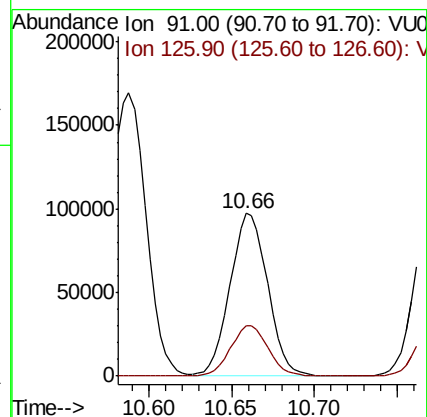
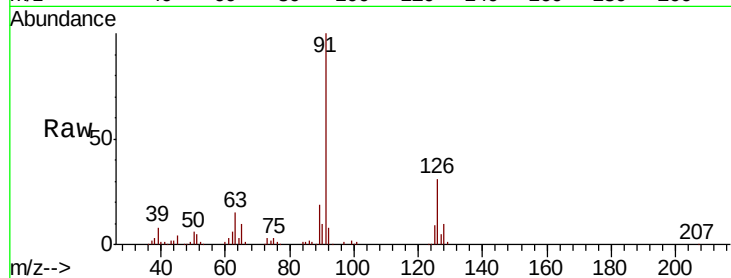
126 31.3 16.0 47.9

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#80

1,3,5-Trimethylbenzene

Concen: 20.098 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027944.D

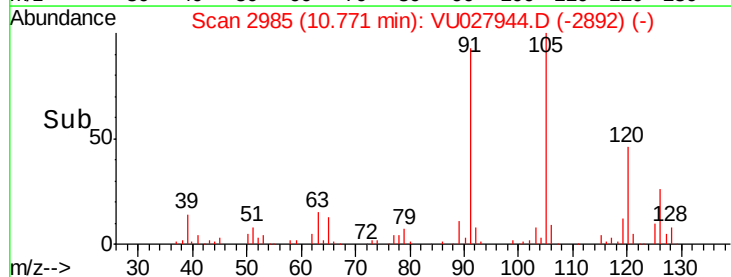
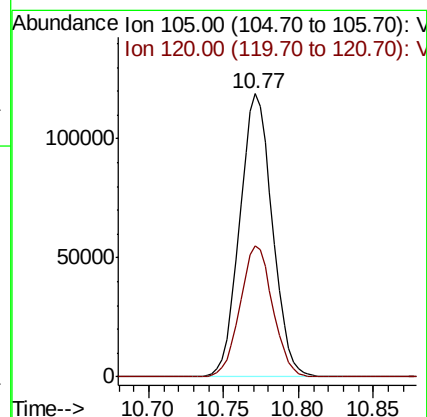
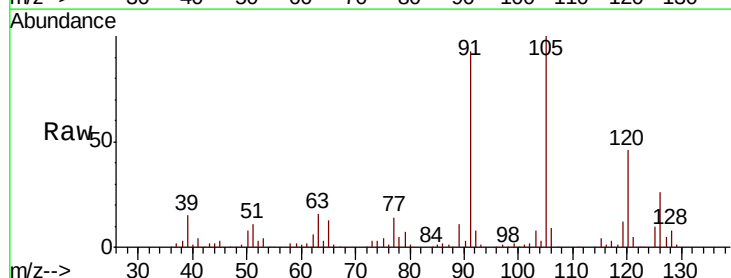
Acq: 05 Nov 2018 10:07

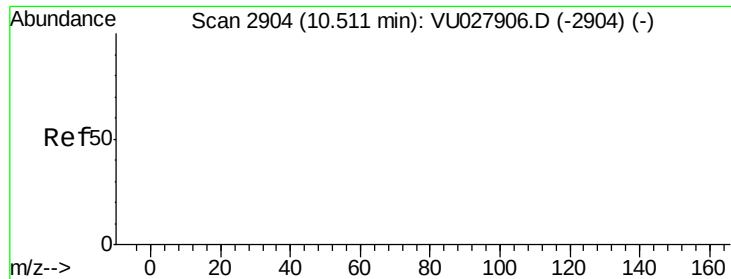
Tgt Ion: 105 Resp: 180602

Ion Ratio Lower Upper

105 100

120 46.4 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.007 ug/l

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

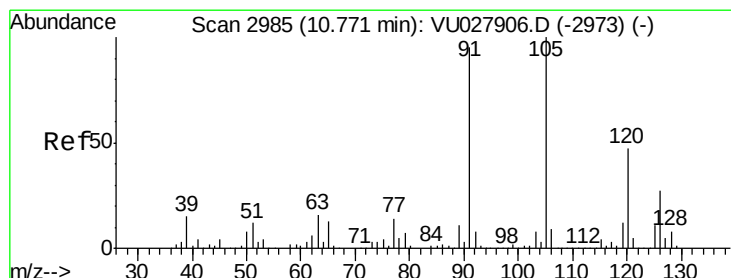
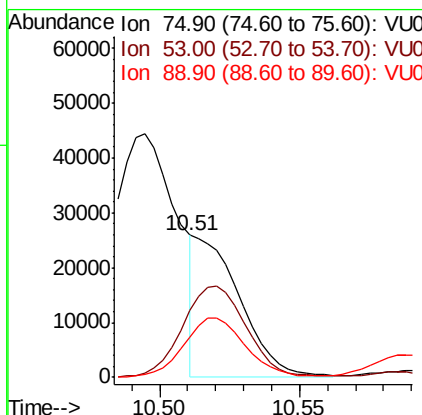
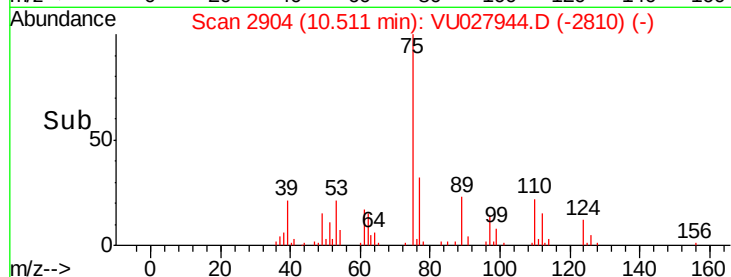
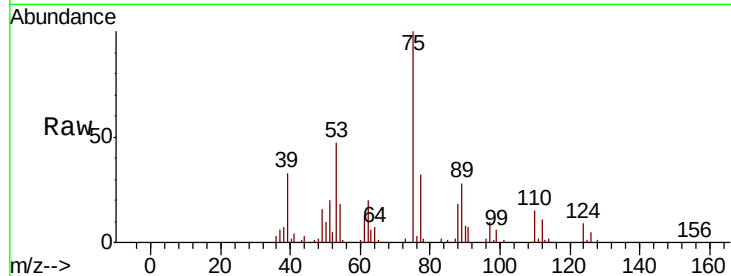
Instrument :  
MSVOA\_U

ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 0.0   | 0.0   | 0.0   |
| 89      | 0.0   | 0.0   | 0.0   |

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#82

4-Chlorotoluene

Concen: 19.220 ug/l

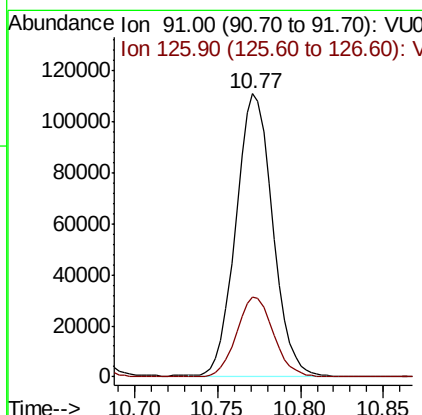
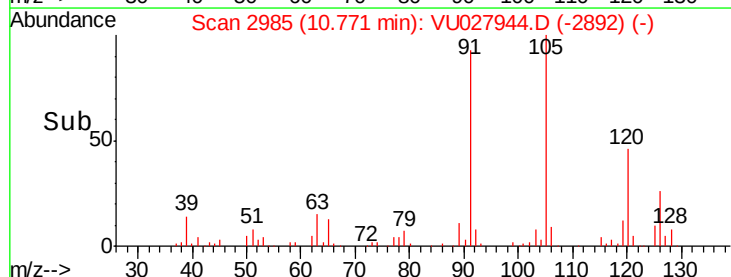
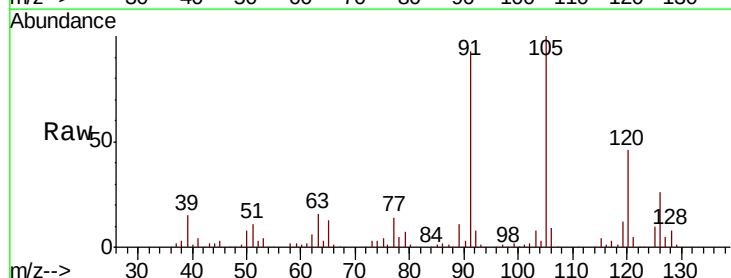
RT: 10.77 min Scan# 2985

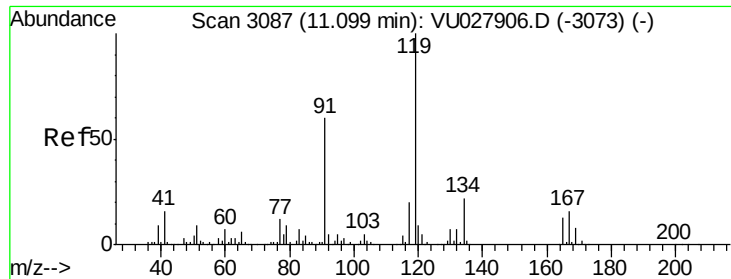
Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 28.5  | 14.2  | 42.6  |





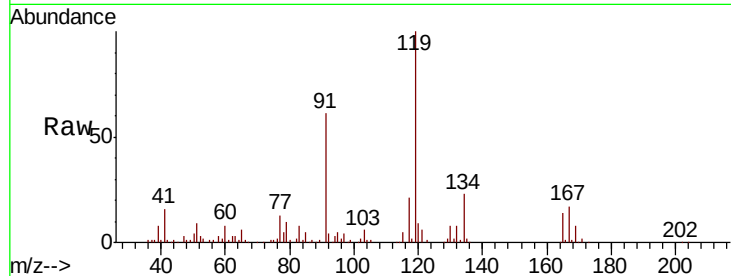
#83  
 tert-Butylbenzene  
 Concen: 19.385 ug/l  
 RT: 11.10 min Scan# 3087  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBSD01

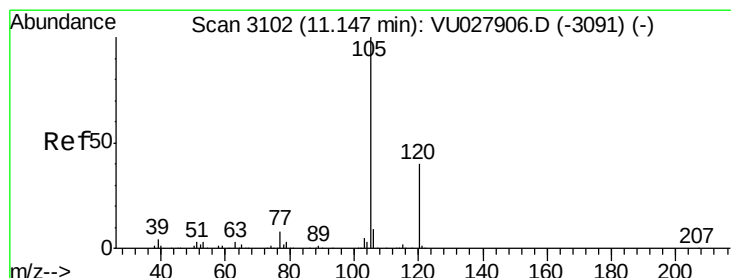
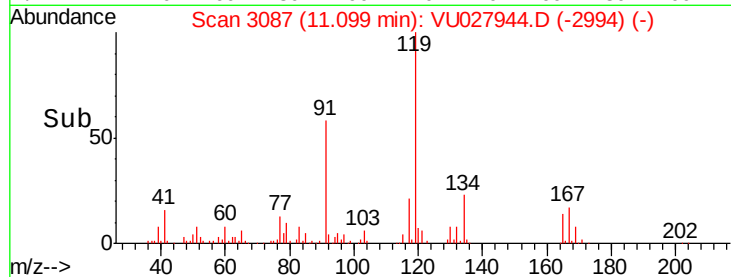
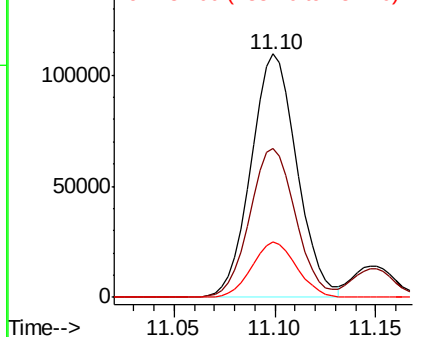
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 174145 |       |       |
| 91      | 61.1  | 29.8   | 89.3  |       |
| 134     | 22.0  | 11.1   | 33.1  |       |

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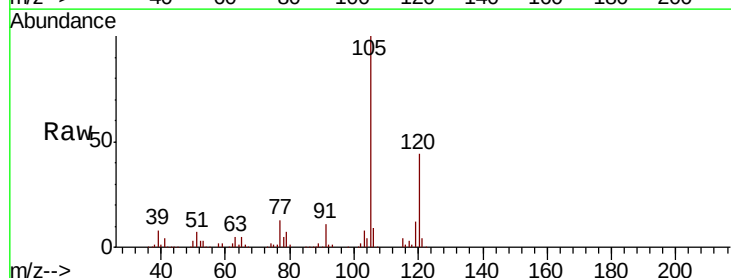


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

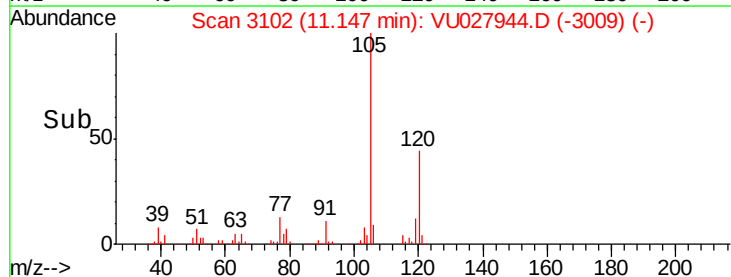
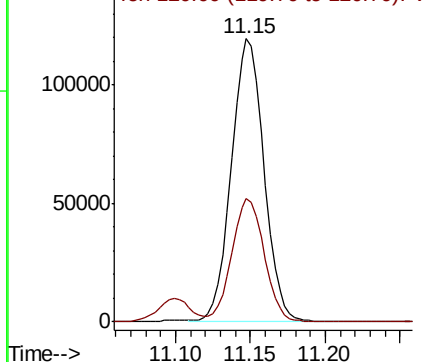


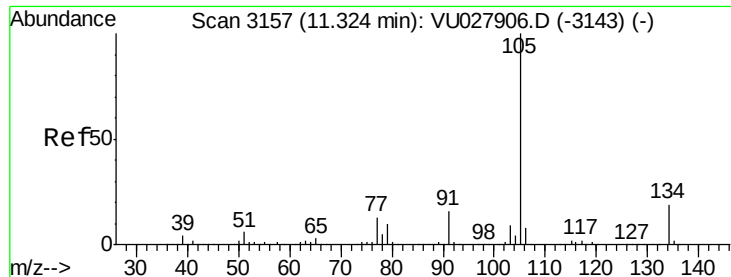
#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.943 ug/l  
 RT: 11.15 min Scan# 3102  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 180452 |       |       |
| 120     | 43.8  | 22.1   | 66.1  |       |



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.009 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

ClientSampleId :

VU1105WBSD01

Tot Ion:105 Resp: 218601

Ion Ratio Lower Upper

105 100

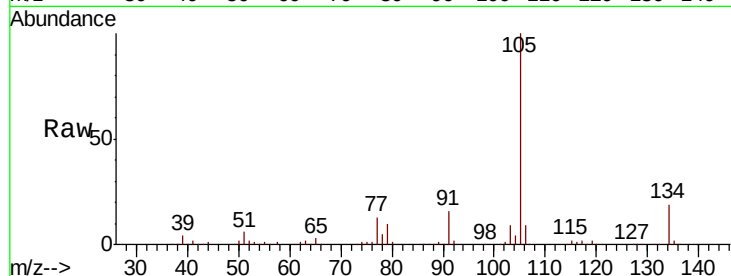
134 18.2 9.2 27.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

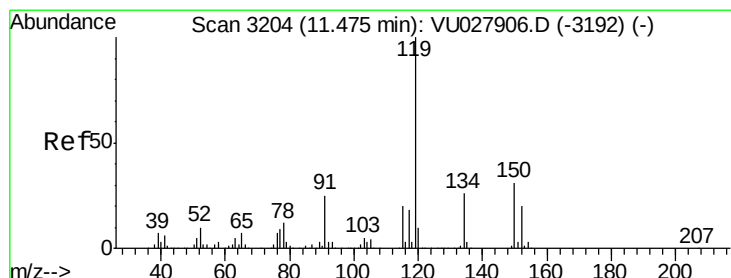
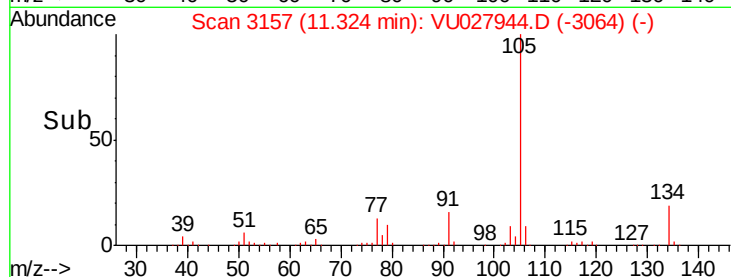
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.946 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

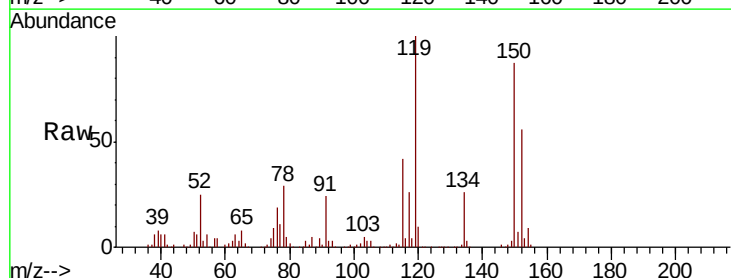
Tgt Ion:119 Resp: 182172

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 24.5 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

11.48

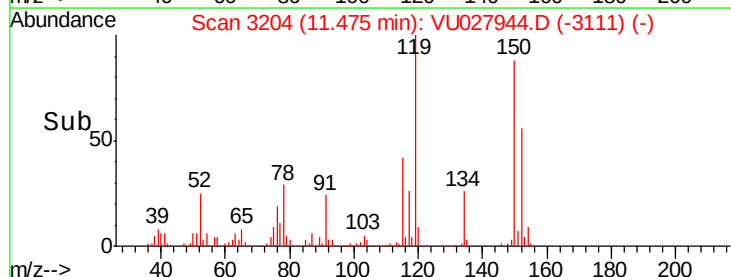
150000

100000

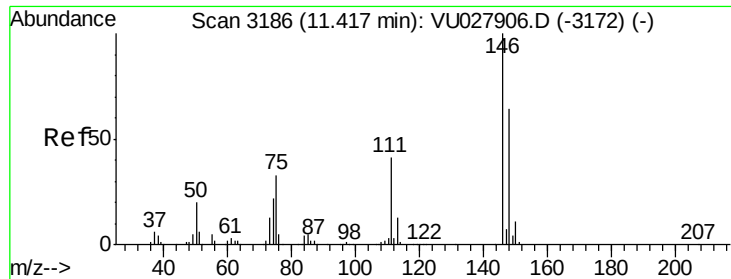
50000

0

Time-->







#87

1,3-Dichlorobenzene

Concen: 19.433 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA\_U

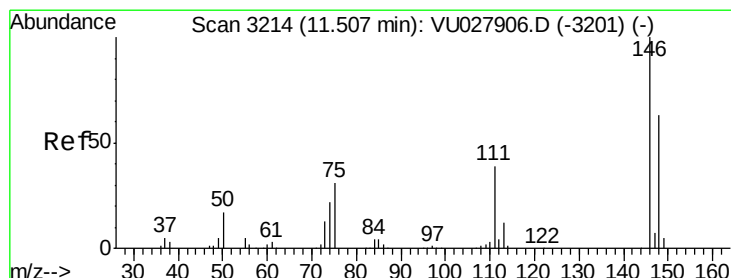
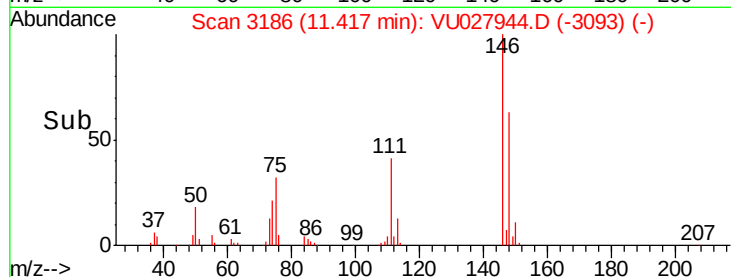
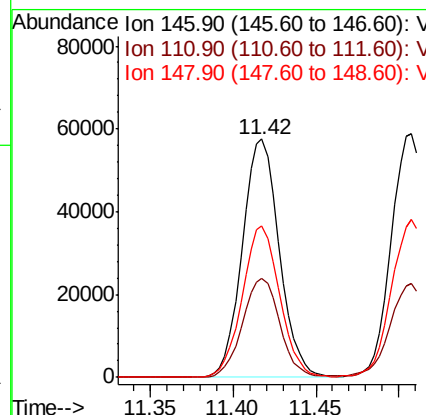
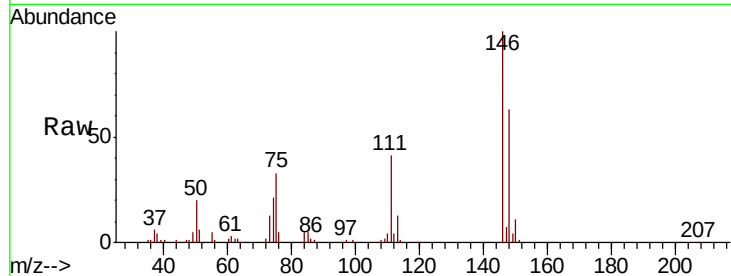
ClientSampleId :

VU1105WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 89289 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 41.8  | 20.3  | 61.0  |
| 148       | 64.1  | 31.8  | 95.4  |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 19.600 ug/l

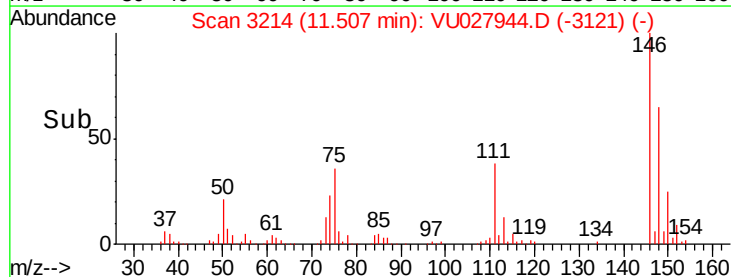
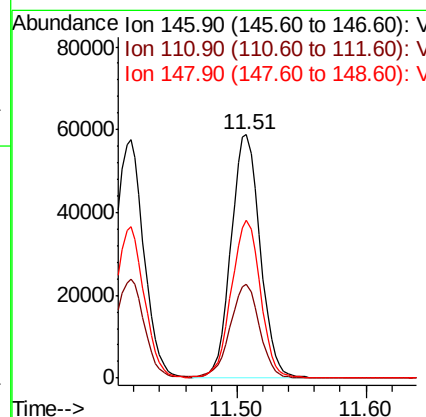
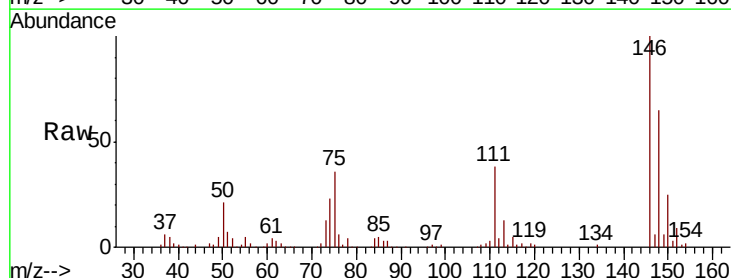
RT: 11.51 min Scan# 3214

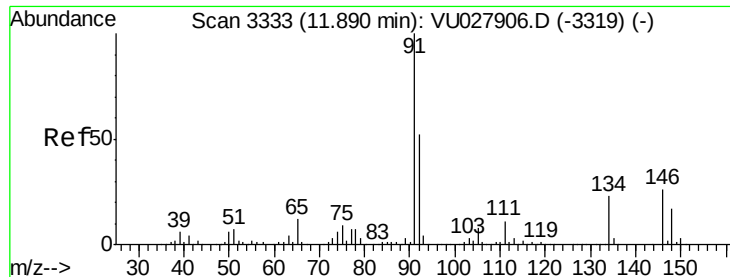
Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 92306 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 39.5  | 20.3  | 60.9  |
| 148       | 64.8  | 32.0  | 96.2  |





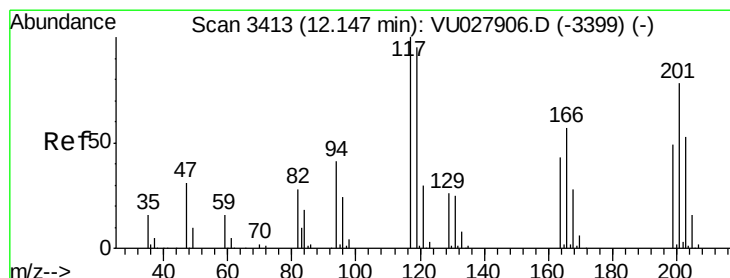
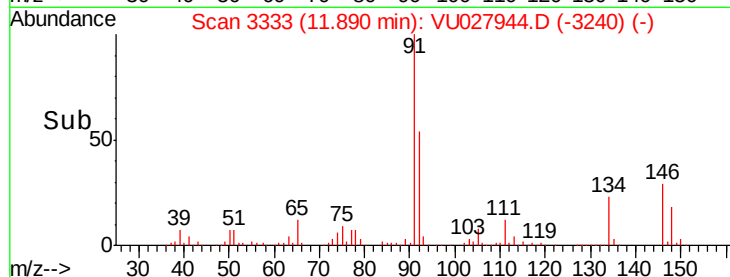
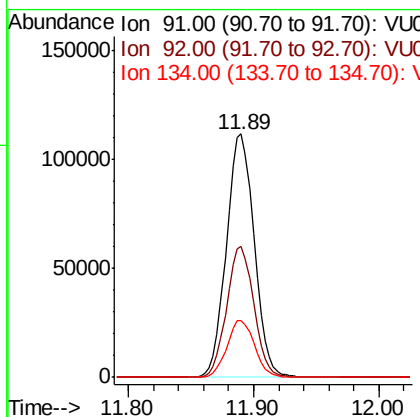
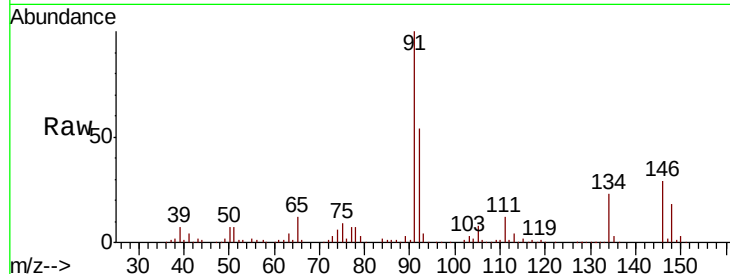
#89  
n-Butylbenzene  
Concen: 19.835 ug/l  
RT: 11.89 min Scan# 3333  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.6  | 26.2  | 78.5  |
| 134     | 23.1  | 11.5  | 34.5  |

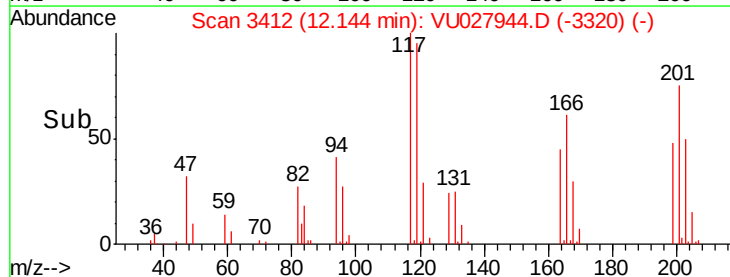
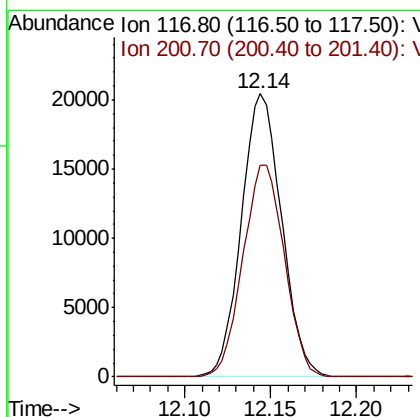
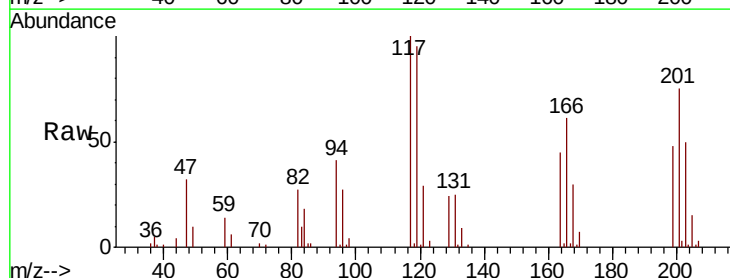
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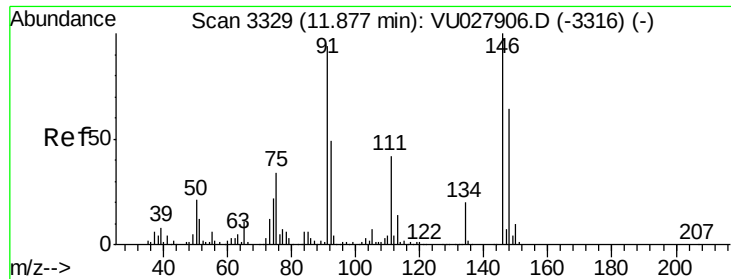
MMDadoda  
11/6/2018 12:06:53 PM



#90  
Hexachloroethane  
Concen: 20.388 ug/l  
RT: 12.14 min Scan# 3412  
Delta R.T. -0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 77.1  | 38.5  | 115.5 |





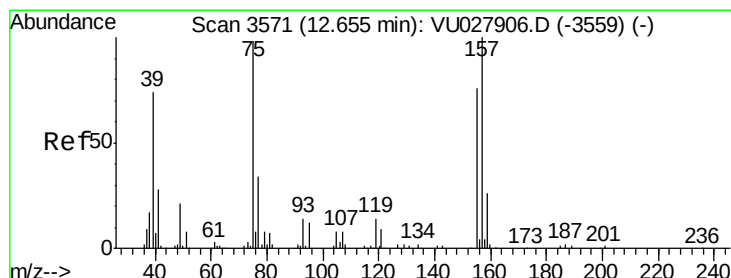
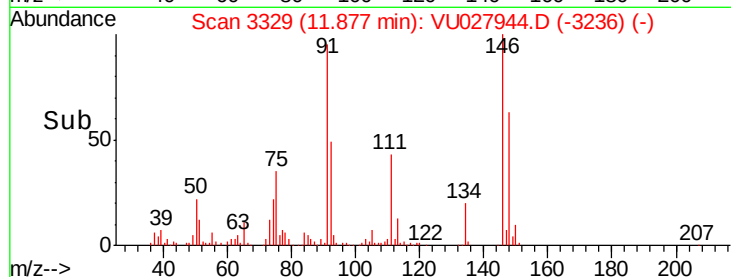
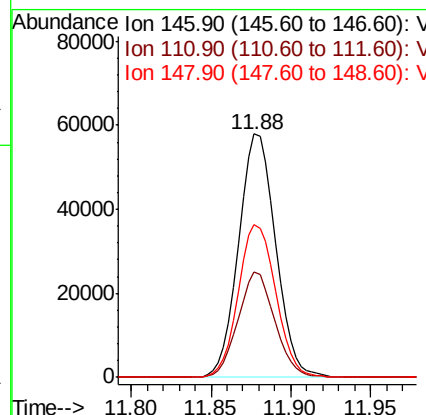
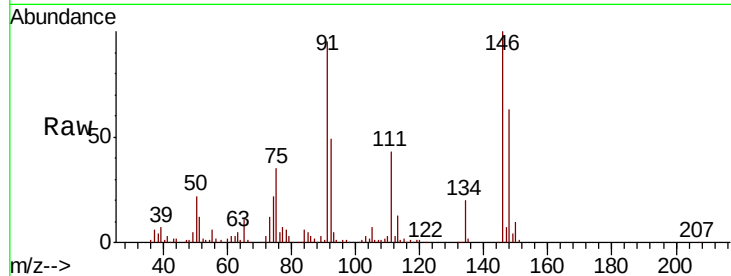
#91  
 1,2-Dichlorobenzene  
 Concen: 19.744 ug/l  
 RT: 11.88 min Scan# 3329  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.8  | 21.3  | 64.0  |
| 148     | 63.5  | 31.8  | 95.3  |

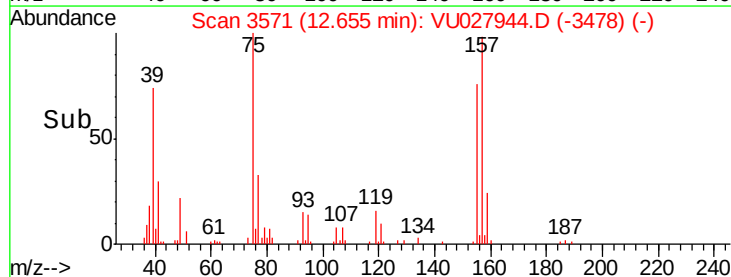
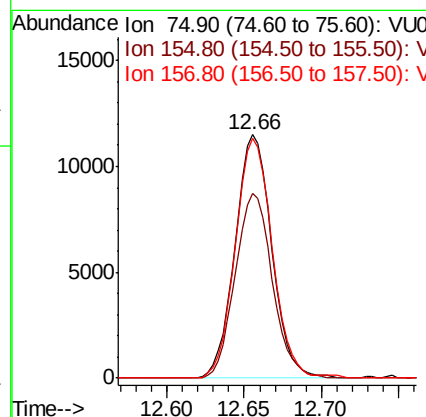
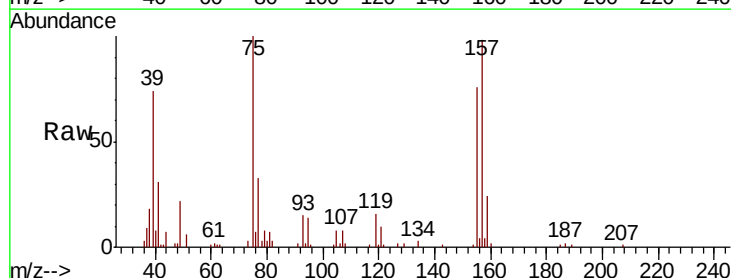
Manual Integrations  
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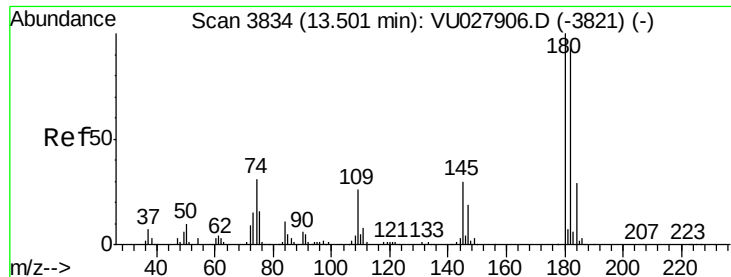
MMDadoda  
 11/6/2018 12:06:53 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.535 ug/l  
 RT: 12.66 min Scan# 3571  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 76.6  | 39.8  | 119.3 |
| 157     | 98.7  | 50.6  | 151.9 |





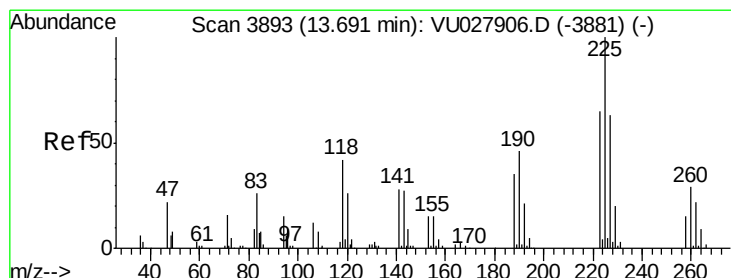
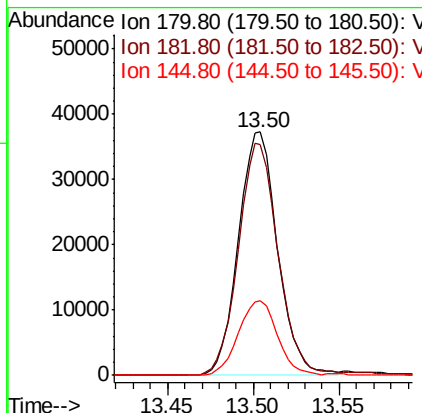
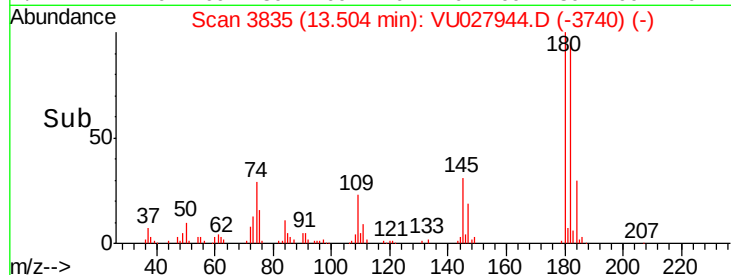
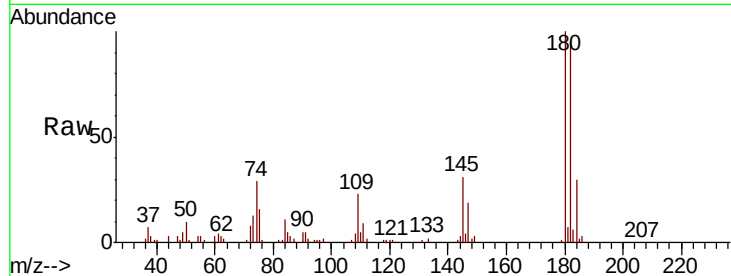
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.688 ug/l  
 RT: 13.50 min Scan# 3835  
 Delta R.T. 0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1105WBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 59150 |       |       |
| 182     | 96.7  | 48.4  | 145.2 |       |
| 145     | 30.5  | 14.9  | 44.5  |       |

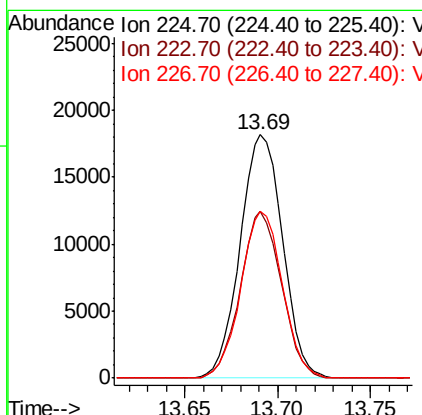
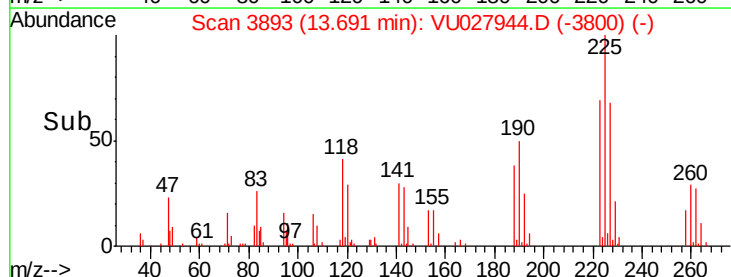
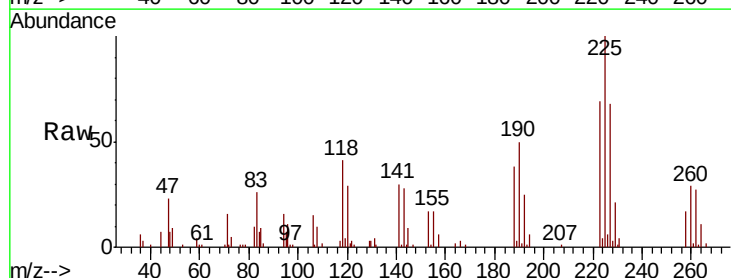
Manual Integrations  
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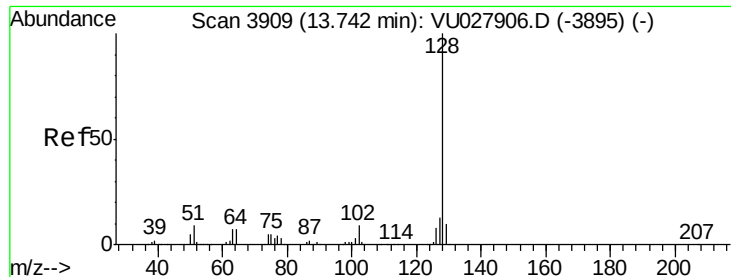
MMDadoda  
 11/6/2018 12:06:53 PM



#94  
 Hexachlorobutadiene  
 Concen: 19.686 ug/l  
 RT: 13.69 min Scan# 3893  
 Delta R.T. -0.00 min  
 Lab File: VU027944.D  
 Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 28910 |       |       |
| 223     | 66.1  | 32.2  | 96.6  |       |
| 227     | 66.8  | 32.5  | 97.4  |       |





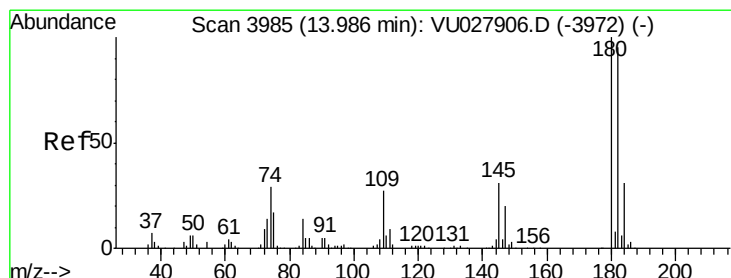
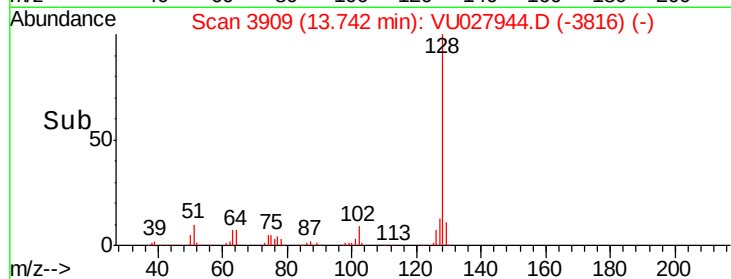
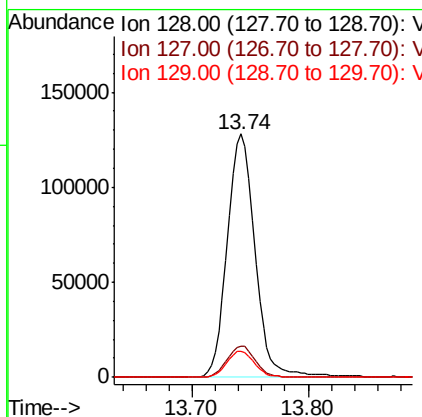
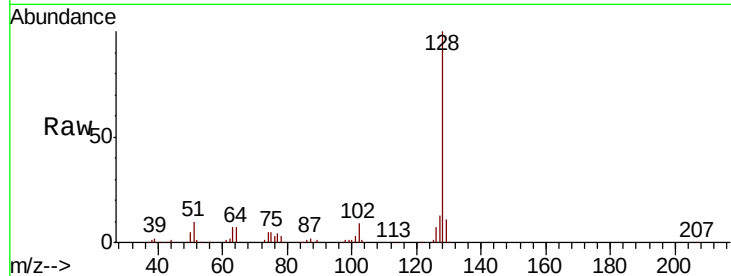
#95  
Naphthalene  
Concen: 18.344 ug/l  
RT: 13.74 min Scan# 3909  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1105WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.4  | 15.6  |
| 129     | 10.4  | 8.3   | 12.5  |

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11/6/2018 12:06:53 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 20.019 ug/l  
RT: 13.99 min Scan# 3985  
Delta R.T. 0.00 min  
Lab File: VU027944.D  
Acq: 05 Nov 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.5  | 47.4  | 142.3 |
| 145     | 31.1  | 16.0  | 47.9  |

