

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\  
 Data File : VU027282.D  
 Acq On : 28 Sep 2018 19:21  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2018 1:08:11 PM

Quant Time: Sep 29 01:04:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 22 01:31:57 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 102726   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 171400   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 165910   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 90633    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 88403    | 42.76 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 85.52% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 67860    | 45.68 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.36% |      |
| 50) Toluene-d8            | 7.57   | 98  | 250896   | 44.31 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.62% |      |
| 62) 4-Bromofluorobenzene  | 10.31  | 95  | 95363    | 49.08 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.16% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 62089   | 46.293  | ug/l | 96     |
| 3) Chloromethane              | 1.33 | 50  | 92005   | 39.787  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 94236   | 43.658  | ug/l | 100    |
| 5) Bromomethane               | 1.61 | 94  | 45698   | 37.177  | ug/l | 96     |
| 6) Chloroethane               | 1.69 | 64  | 59498   | 43.140  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 105528  | 43.045  | ug/l | 100    |
| 8) Diethyl Ether              | 2.10 | 74  | 53036   | 44.945  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101 | 65556   | 43.490  | ug/l | 98     |
| 10) Methyl Iodide             | 2.41 | 142 | 19375   | 10.364  | ug/l | 98     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 106211  | 224.124 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 64349   | 45.354  | ug/l | 97     |
| 13) Acrolein                  | 2.20 | 56  | 51502   | 201.605 | ug/l | 99     |
| 14) Allyl chloride            | 2.59 | 41  | 141854  | 49.295  | ug/l | 97     |
| 15) Acrylonitrile             | 2.94 | 53  | 281015  | 235.279 | ug/l | 99     |
| 16) Acetone                   | 2.32 | 43  | 246478  | 222.610 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.48 | 76  | 211861  | 45.838  | ug/l | 99     |
| 18) Methyl Acetate            | 2.62 | 43  | 150816  | 51.250  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 264102  | 50.655  | ug/l | 98     |
| 20) Methylene Chloride        | 2.70 | 84  | 80534   | 43.494  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 71518   | 47.213  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.58 | 45  | 310390  | 50.428  | ug/l | 96     |
| 23) Vinyl Acetate             | 3.53 | 43  | 1321606 | 251.892 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.45 | 63  | 160773  | 47.426  | ug/l | 100    |
| 25) 2-Butanone                | 4.26 | 43  | 397484  | 228.764 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 120936  | 45.744  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96  | 83625   | 48.883  | ug/l | 99     |
| 28) Bromochloromethane        | 4.55 | 49  | 75251   | 46.050  | ug/l | 99     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 258518  | 245.953 | ug/l | 100    |
| 30) Chloroform                | 4.67 | 83  | 142652  | 45.334  | ug/l | 99     |
| 31) Cyclohexane               | 5.00 | 56  | 150167  | 48.716  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 119102  | 47.406  | ug/l | 97     |
| 36) 1,1-Dichloropropene       | 5.14 | 75  | 110882  | 48.472  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.38 | 43  | 143053  | 46.195  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 5.13 | 117 | 99500   | 45.707  | ug/l | 98     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2018 1:08:11 PM

Quant Time: Sep 29 01:04:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 22 01:31:57 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 131135   | 52.752  | ug/l   | 98       |
| 40) Benzene                    | 5.39  | 78   | 327847   | 47.145  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.54  | 41   | 81893    | 50.920  | ug/l   | 100      |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 120994   | 46.052  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 232100   | 51.393  | ug/l   | 99       |
| 44) Trichloroethene            | 6.19  | 130  | 74547    | 50.354  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 95264    | 48.078  | ug/l   | 98       |
| 46) Dibromomethane             | 6.56  | 93   | 56120    | 46.896  | ug/l   | 97       |
| 47) Bromodichloromethane       | 6.76  | 83   | 111593   | 46.117  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 115424   | 47.019  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 39465    | 808.110 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 759716   | 250.121 | ug/l   | 98       |
| 52) Toluene                    | 7.64  | 92   | 205549   | 51.567  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 132790   | 51.076  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 144058   | 50.395  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 80461    | 47.638  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 141016   | 48.201  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 152547   | 48.560  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 362613   | 218.649 | ug/l   | 98       |
| 59) 2-Hexanone                 | 8.36  | 43   | 580450   | 244.132 | ug/l   | 97       |
| 60) Dibromochloromethane       | 8.48  | 129  | 80376    | 48.515  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 85193    | 48.478  | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.23  | 164  | 61376    | 48.008  | ug/l   | 99       |
| 65) Chlorobenzene              | 9.12  | 112  | 209300   | 47.578  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 74597    | 49.232  | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.25  | 91   | 391552   | 54.128  | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.38  | 106  | 295479   | 100.847 | ug/l   | 98       |
| 69) o-Xylene                   | 9.78  | 106  | 140391   | 54.775  | ug/l   | 99       |
| 70) Styrene                    | 9.79  | 104  | 227968   | 47.721  | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 60696    | 51.801  | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.17 | 105  | 371853   | 53.936  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.02 | 43   | 209749   | 52.559  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 138221   | 43.605  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 120662m  | 43.823  | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 84654    | 50.247  | ug/l   | 99       |
| 78) n-propylbenzene            | 10.59 | 91   | 442752   | 54.275  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 258526   | 50.454  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 304813   | 53.559  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 38352m   | 44.575  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 294947   | 51.335  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 298740   | 53.094  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 319753   | 55.208  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.32 | 105  | 371908   | 54.148  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 317130   | 49.222  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 155298   | 49.535  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 157740   | 46.164  | ug/l   | 100      |
| 89) n-Butylbenzene             | 11.89 | 91   | 293594   | 47.138  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.15 | 117  | 56648    | 45.355  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 154848   | 46.497  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 31363    | 48.500  | ug/l   | 95       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

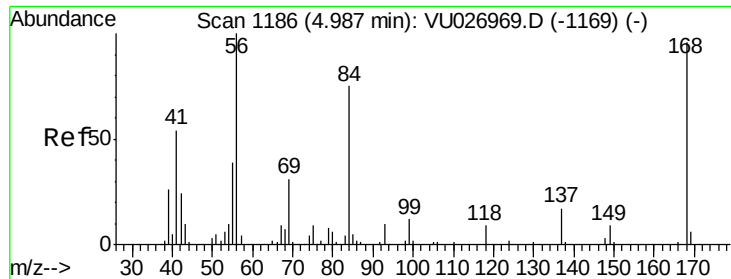
MMDadoda  
10/2/2018 1:08:11 PM

Quant Time: Sep 29 01:04:54 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 22 01:31:57 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 103853   | 54.114 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 50435    | 49.668 | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 374336   | 49.892 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 107911   | 52.433 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 102726

Ion Ratio Lower Upper

168 100

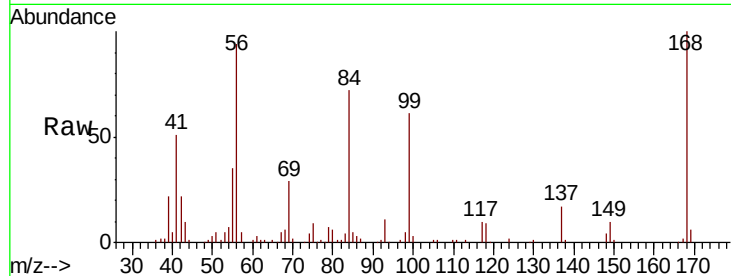
99 60.1 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

50000

40000

30000

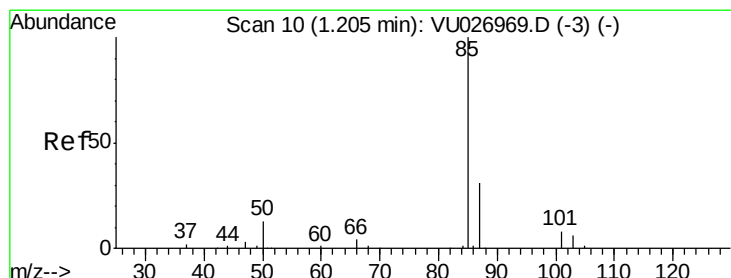
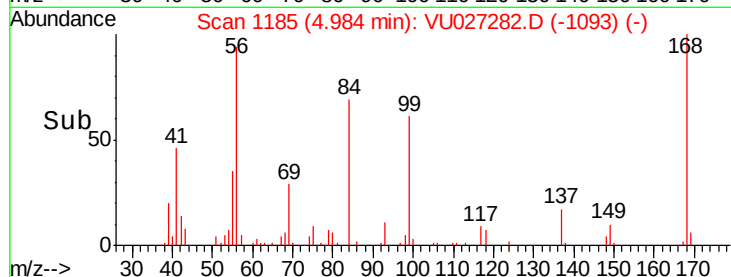
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.293 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027282.D

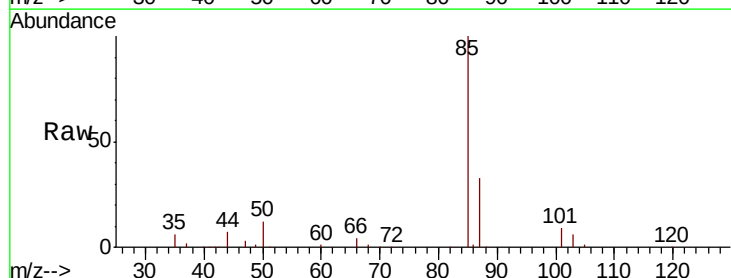
Acq: 28 Sep 2018 19:21

Tgt Ion: 85 Resp: 62089

Ion Ratio Lower Upper

85 100

87 33.4 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

60000

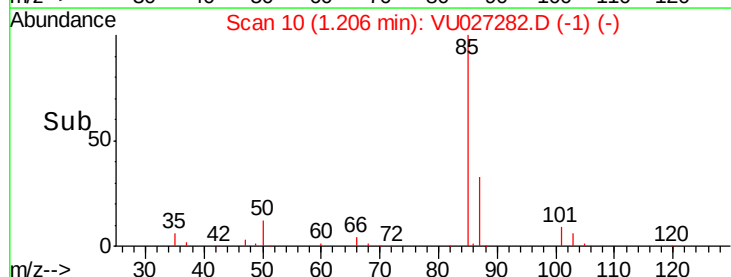
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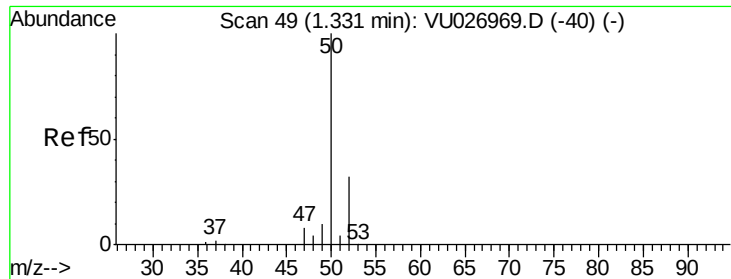
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 39.787 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Tot Ion: 50 Resp: 92005

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9

Instrument :

MSVOA\_U

ClientSampleId :

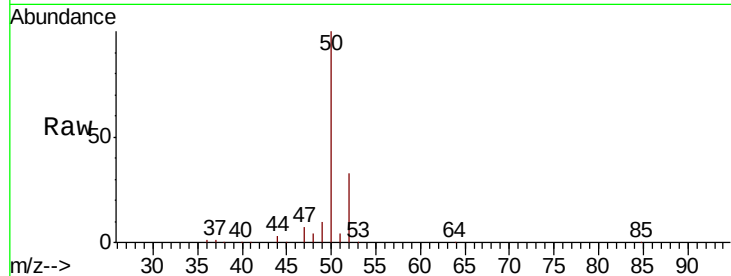
VSTDCCC050EC

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Abundance Ion 49.90 (49.60 to 50.60): VU027282.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU027282.D (-1) (-)

1.33

80000

60000

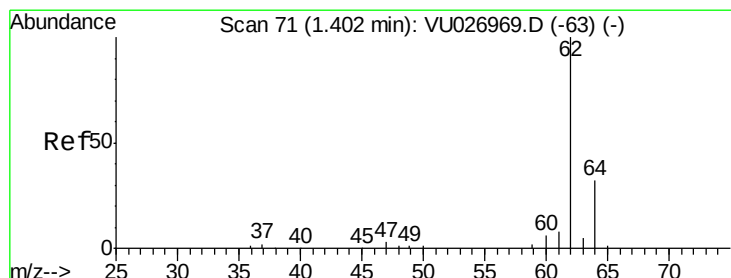
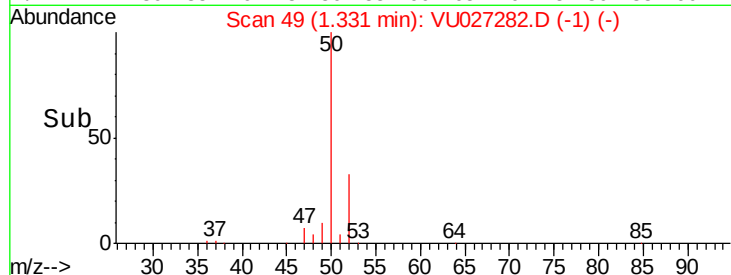
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 43.658 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027282.D

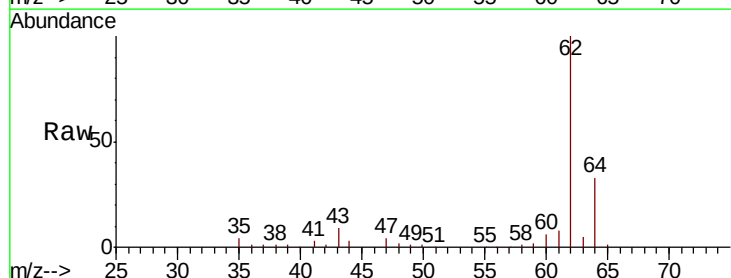
Acq: 28 Sep 2018 19:21

Tgt Ion: 62 Resp: 94236

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU027282.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU027282.D (-1) (-)

1.40

100000

80000

60000

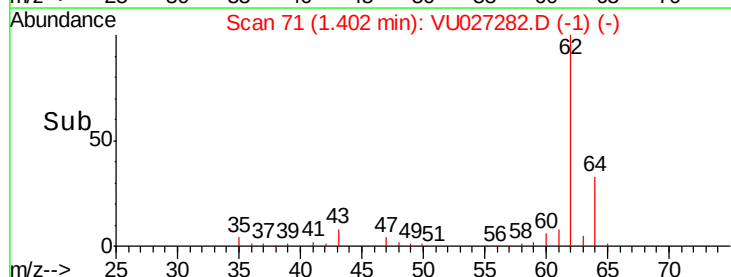
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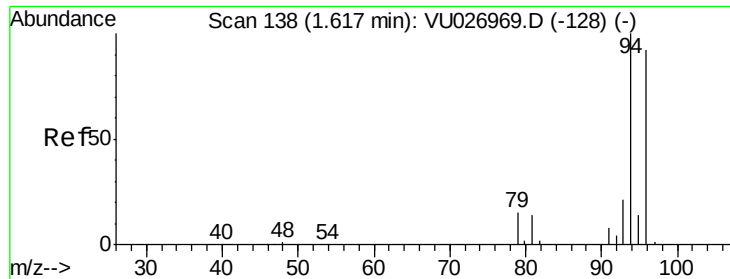
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0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 37.177 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 45698

Ion Ratio Lower Upper

94 100

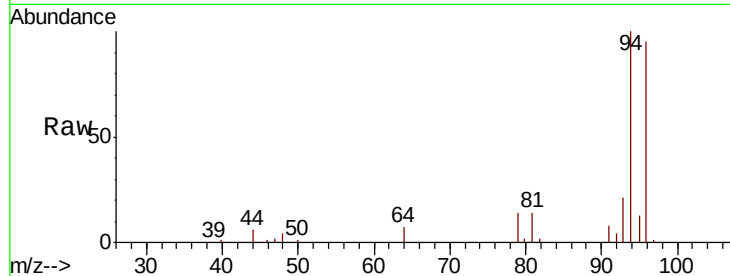
96 95.0 73.2 109.8

Manual Integrations

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10/2/2018 1:08:11 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

40000

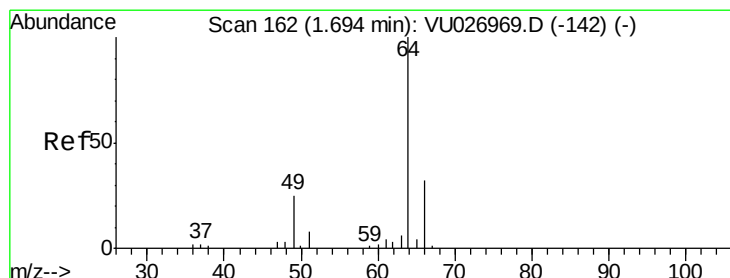
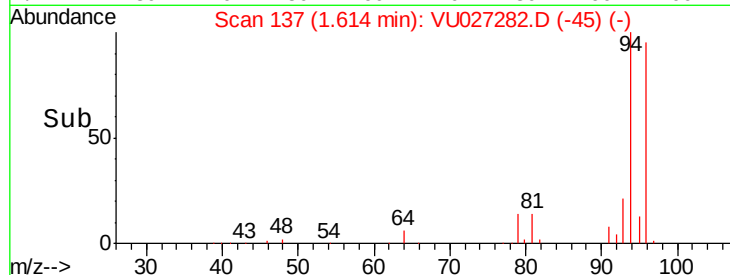
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 43.140 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027282.D

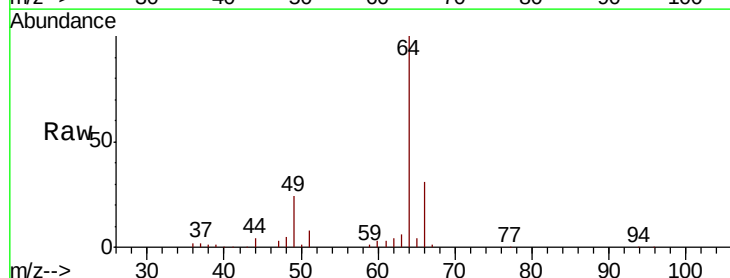
Acq: 28 Sep 2018 19:21

Tgt Ion: 64 Resp: 59498

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

50000

40000

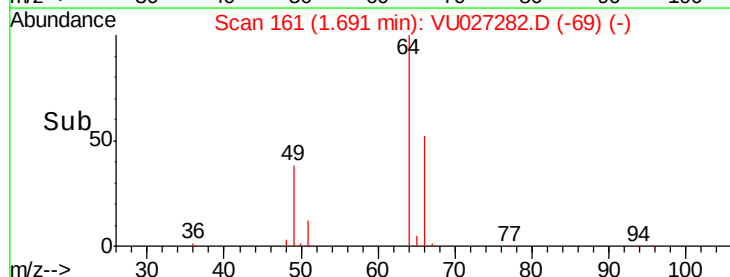
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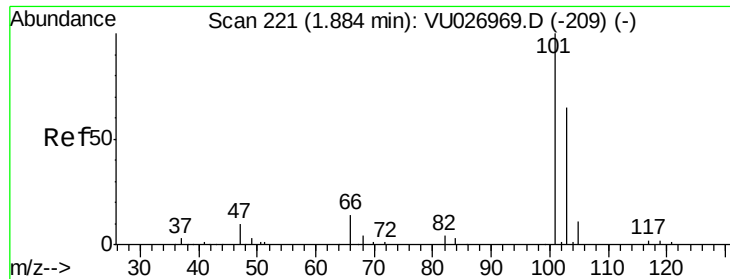
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0

Time-->







#7

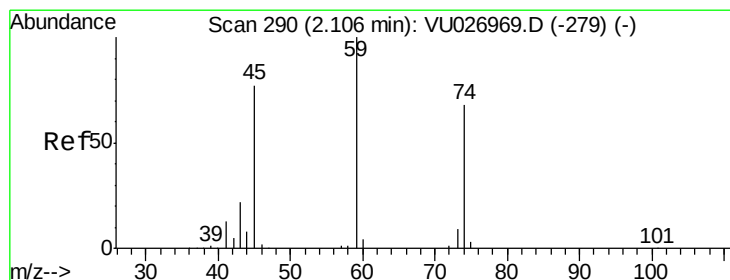
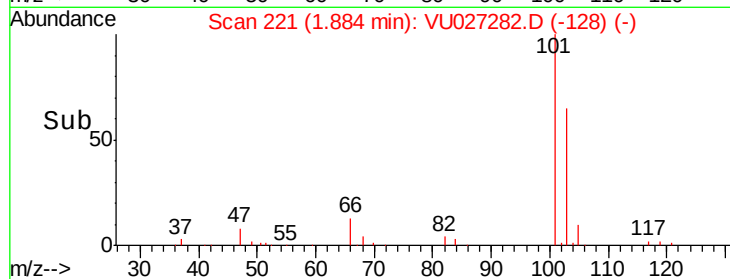
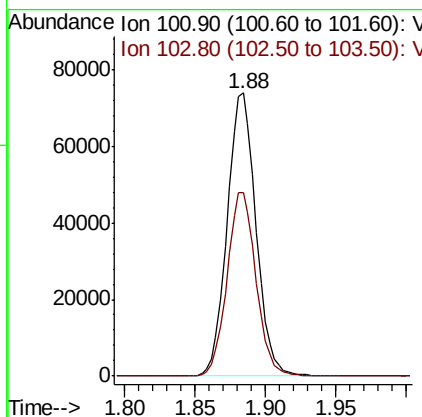
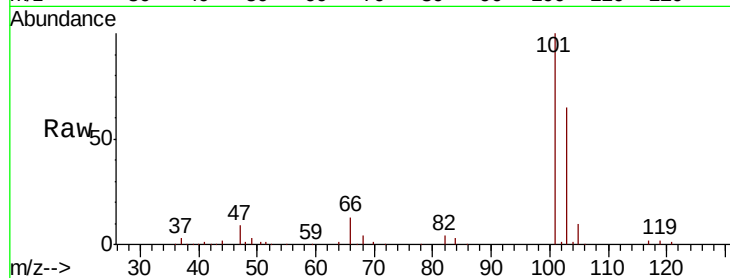
Trichlorofluoromethane  
 Concen: 43.045 ug/l  
 RT: 1.88 min Scan# 221  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.0  | 52.2  | 78.2  |

Manual Integrations  
 APPROVED

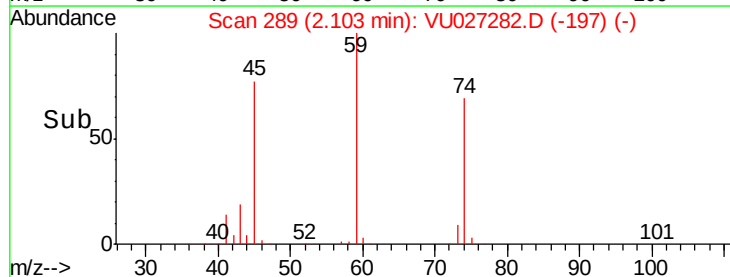
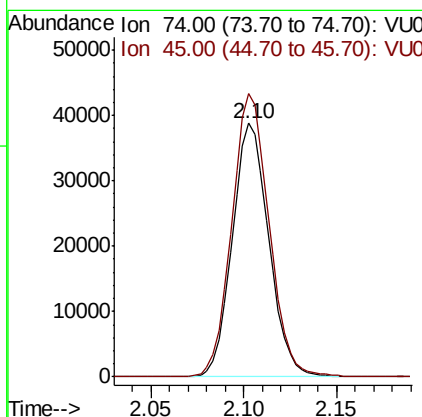
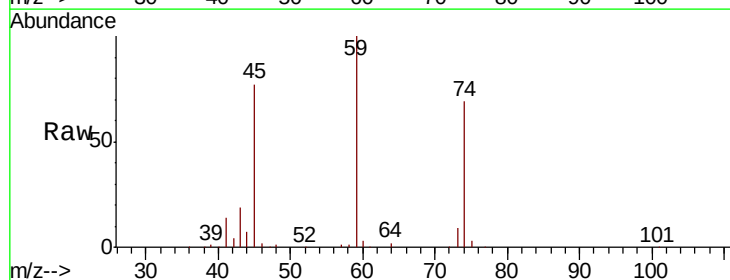
MMDadoda  
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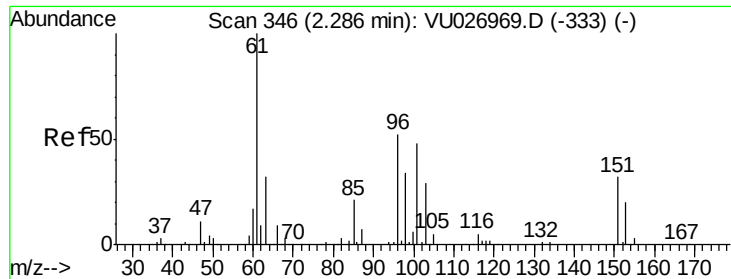
#8

Diethyl Ether  
 Concen: 44.945 ug/l  
 RT: 2.10 min Scan# 289  
 Delta R.T. -0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 114.1 | 56.9  | 170.7 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.490 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

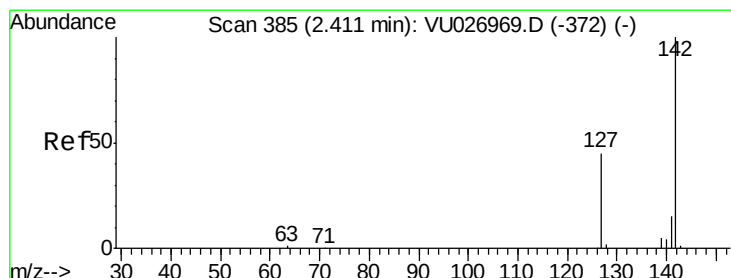
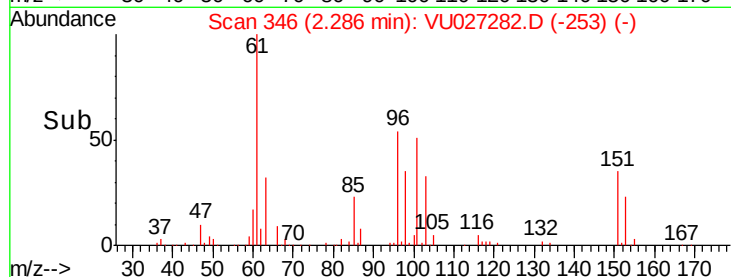
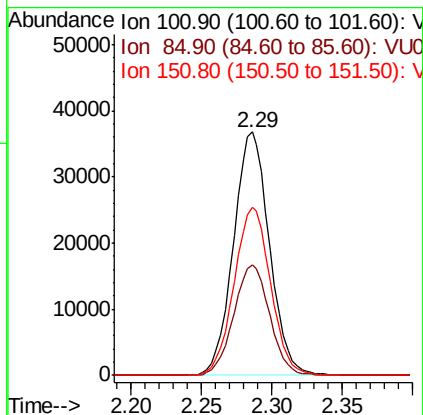
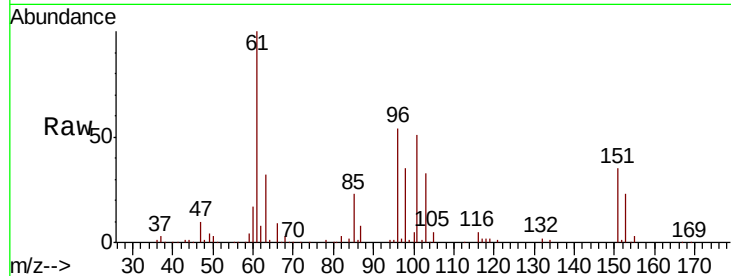
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 65556 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.4  | 36.2  | 54.2  |
| 151       | 70.0  | 54.5  | 81.7  |

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#10

Methyl Iodide

Concen: 10.364 ug/l

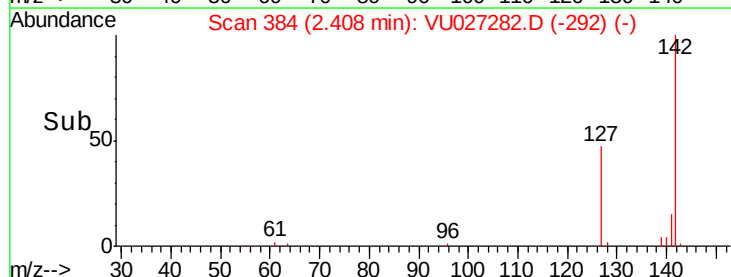
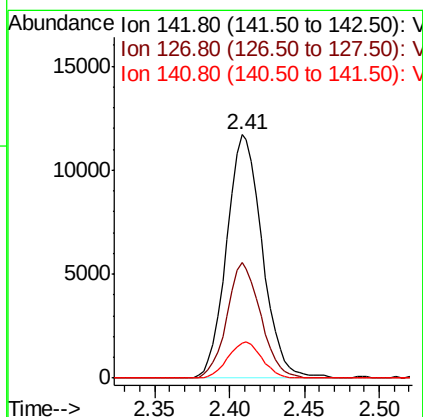
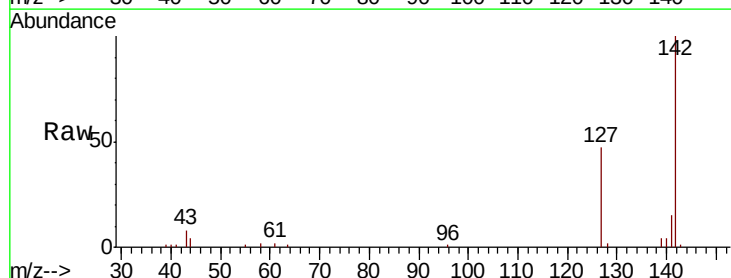
RT: 2.41 min Scan# 384

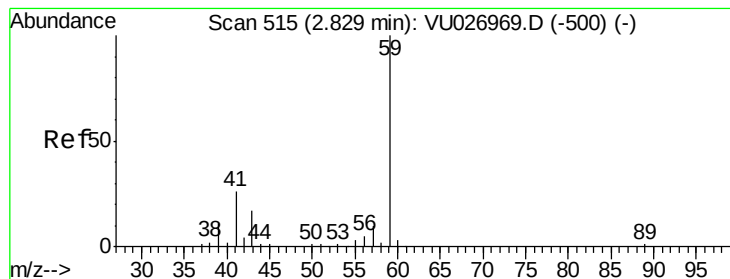
Delta R.T. -0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 19375 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 44.7  | 36.7  | 55.1  |
| 141       | 14.1  | 11.8  | 17.6  |





#11

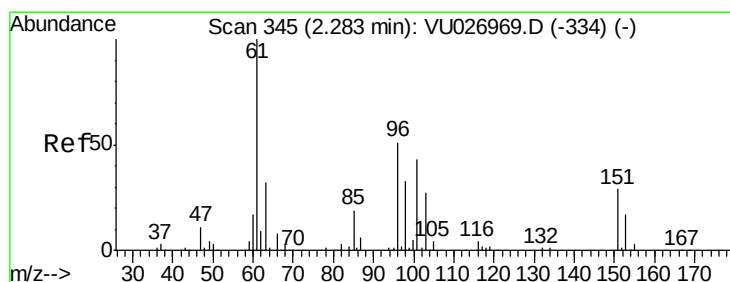
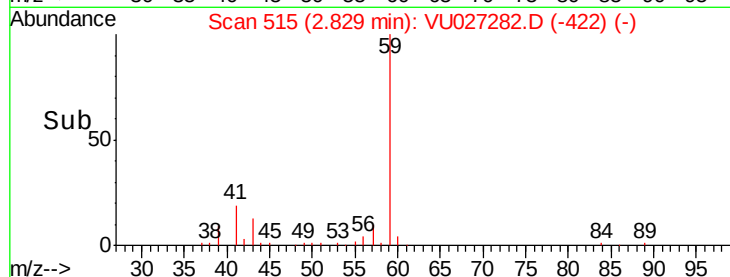
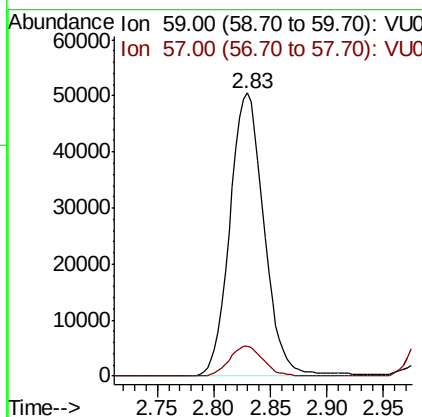
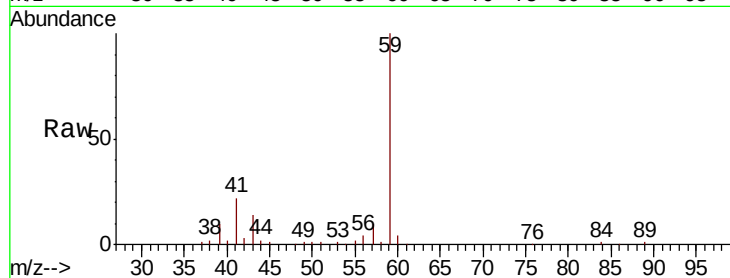
Tert butyl alcohol  
 Concen: 224.124 ug/l  
 RT: 2.83 min Scan# 515  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion   | 59   | Resp  | 106211 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.5 | 8.5   | 12.7   |

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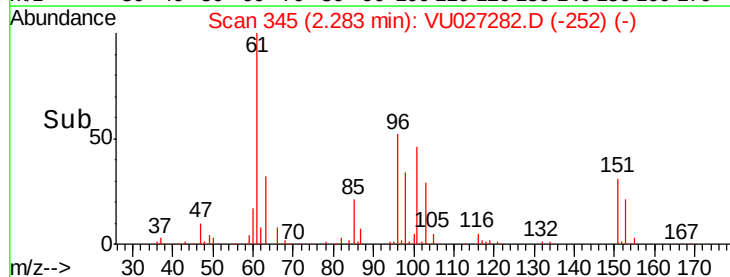
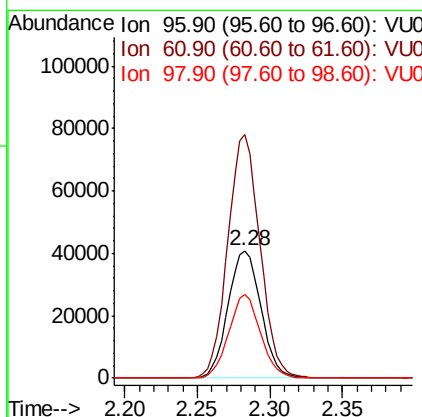
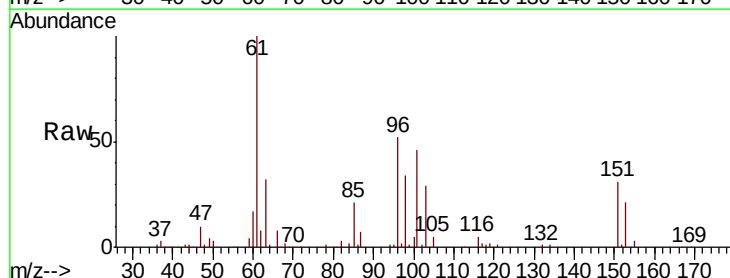
MMDadoda  
 10/2/2018 1:08:11 PM

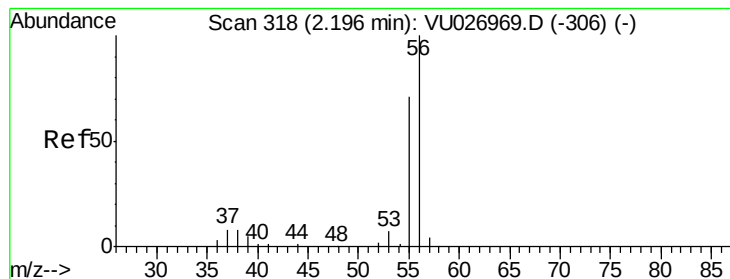


#12

1,1-Dichloroethene  
 Concen: 45.354 ug/l  
 RT: 2.28 min Scan# 345  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion   | 96    | Resp  | 64349 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 190.6 | 156.1 | 234.1 |
| 98        | 65.3  | 51.4  | 77.0  |





#13

Acrolein

Concen: 201.605 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 51502

Ion Ratio Lower Upper

56 100

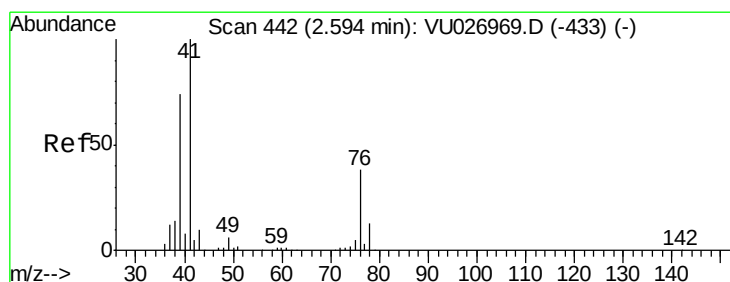
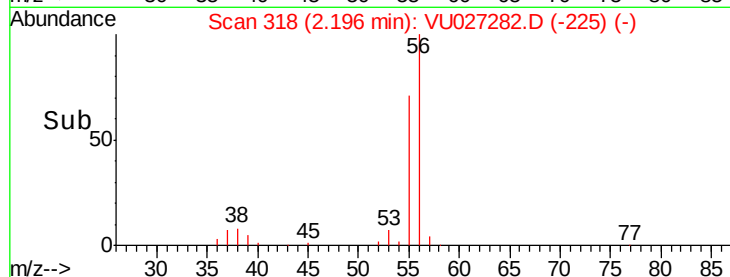
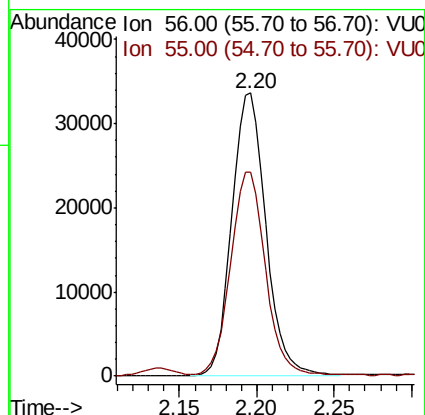
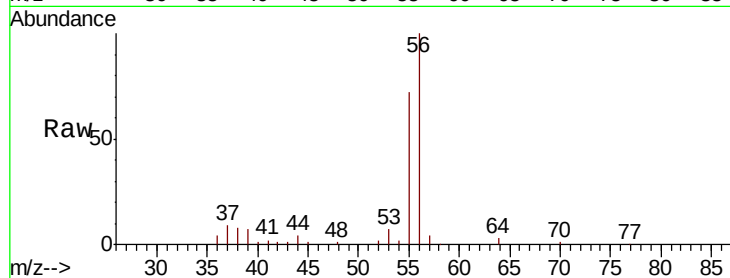
55 72.6 57.1 85.7

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#14

Allyl chloride

Concen: 49.295 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

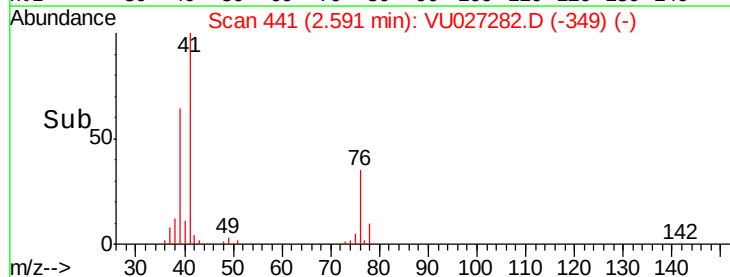
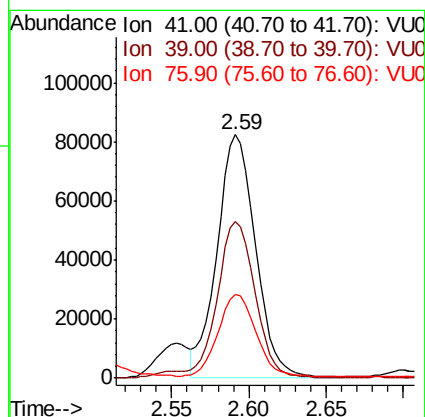
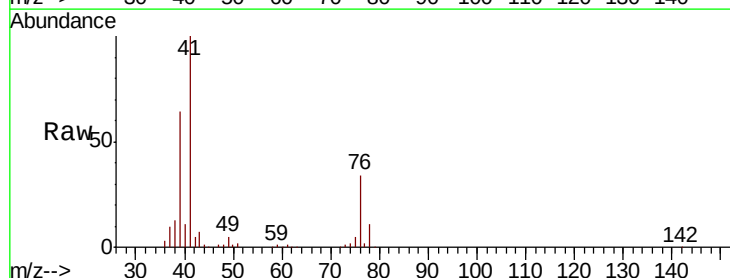
Tgt Ion: 41 Resp: 141854

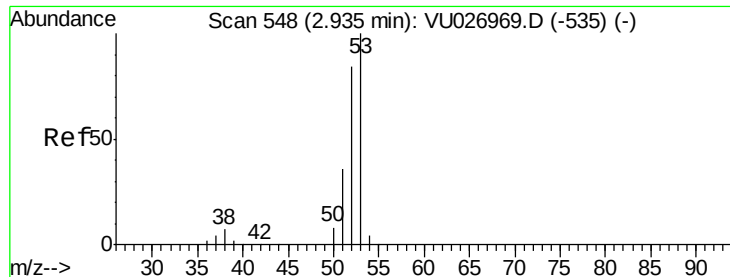
Ion Ratio Lower Upper

41 100

39 65.6 55.7 83.5

76 33.4 26.5 39.7





#15

Acrylonitrile

Concen: 235.279 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

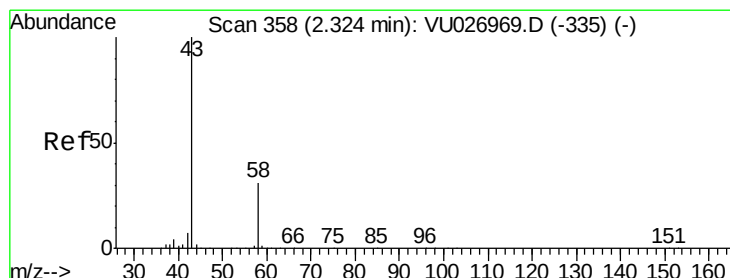
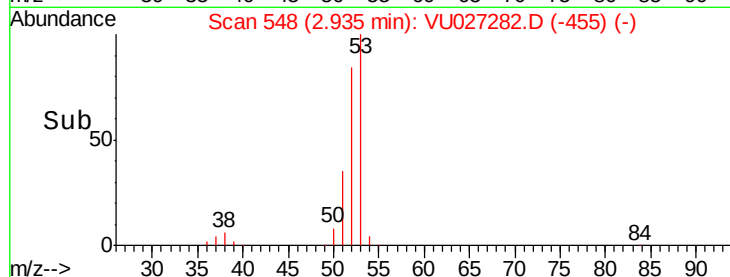
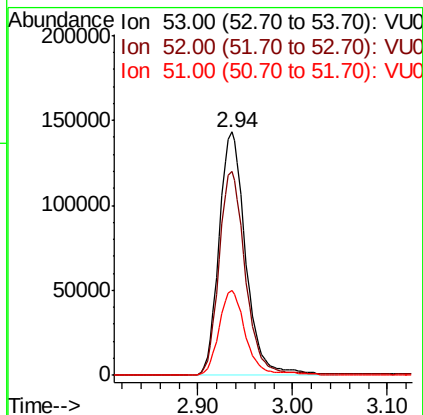
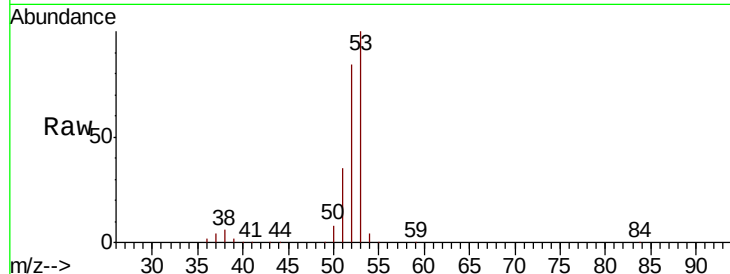
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 281015 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.9  | 65.7  | 98.5   |
| 51        | 35.1  | 27.4  | 41.2   |

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#16

Acetone

Concen: 222.610 ug/l

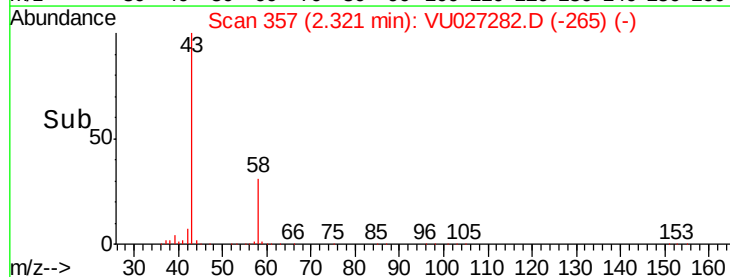
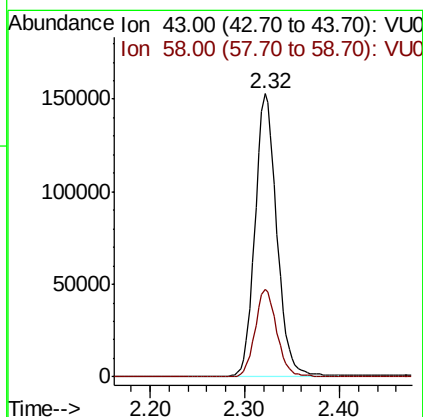
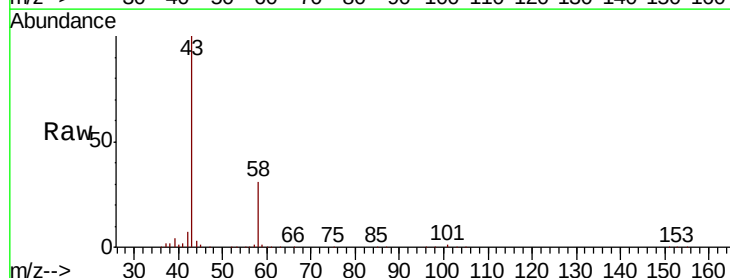
RT: 2.32 min Scan# 357

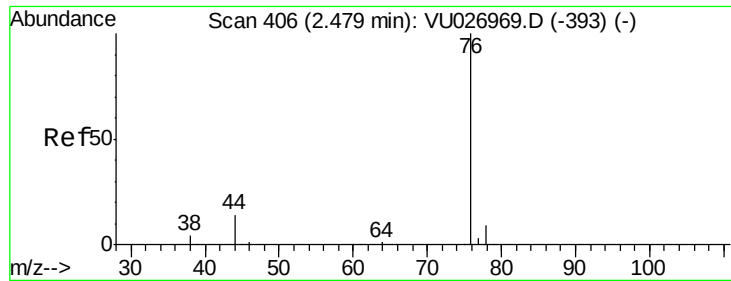
Delta R.T. -0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 246478 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 31.0  | 24.6  | 36.8   |





#17

Carbon Disulfide

Concen: 45.838 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 211861

Ion Ratio Lower Upper

76 100

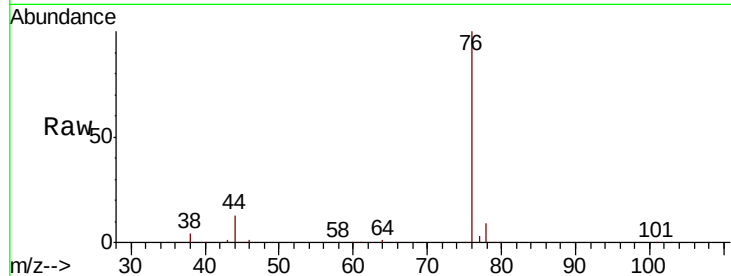
78 9.1 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU027282.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU027282.D (-313) (-)

2.48

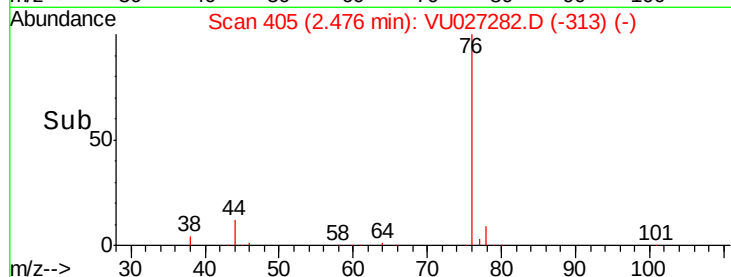
150000

100000

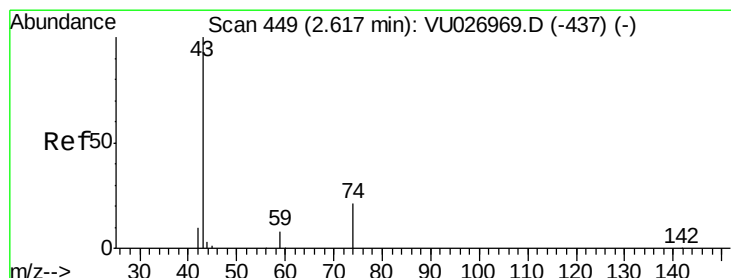
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 51.250 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027282.D

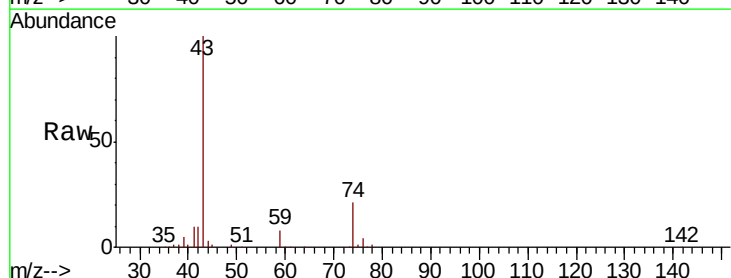
Acq: 28 Sep 2018 19:21

Tgt Ion: 43 Resp: 150816

Ion Ratio Lower Upper

43 100

74 21.1 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU027282.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027282.D (-356) (-)

2.62

100000

80000

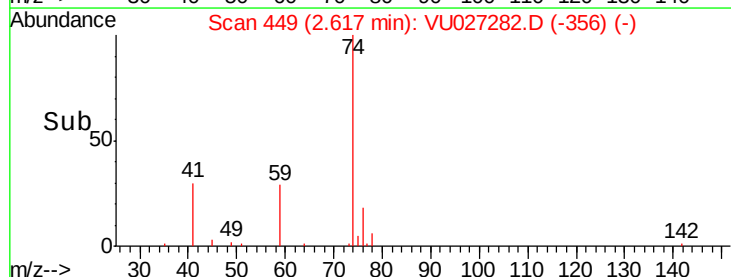
60000

40000

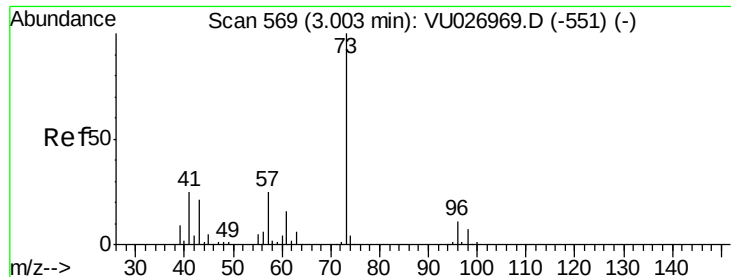
20000

0

Time-->



Time-->



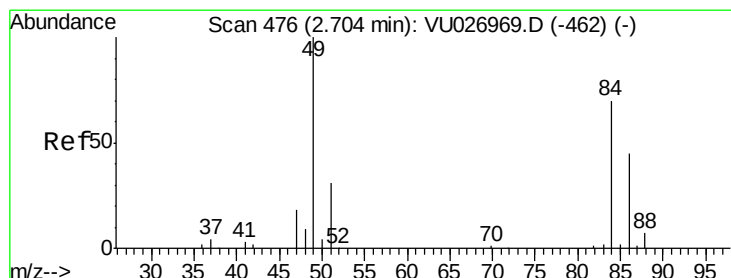
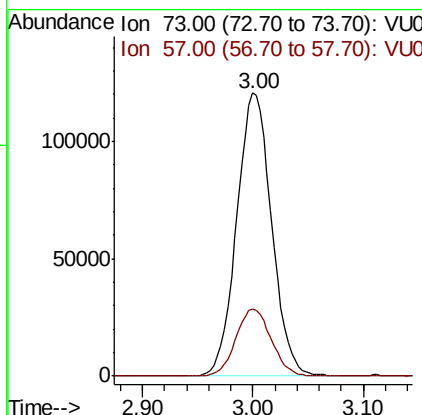
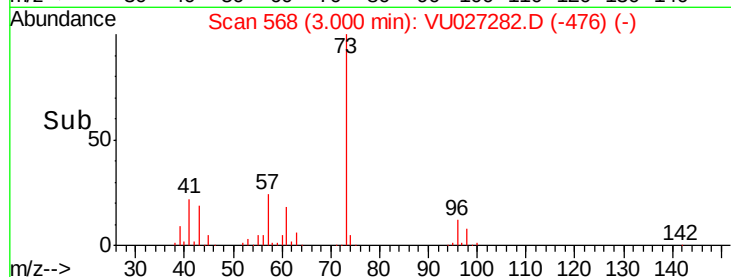
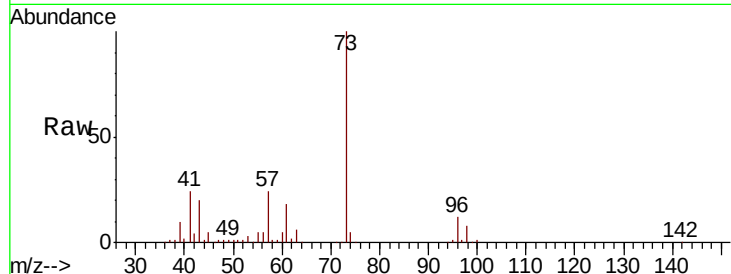
#19  
Methyl tert-butyl Ether  
Concen: 50.655 ug/l  
RT: 3.00 min Scan# 568  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 23.9  | 19.8  | 29.6  |

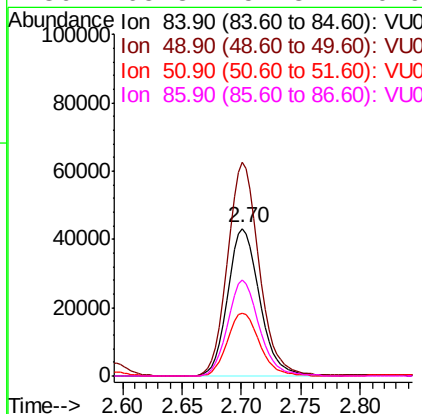
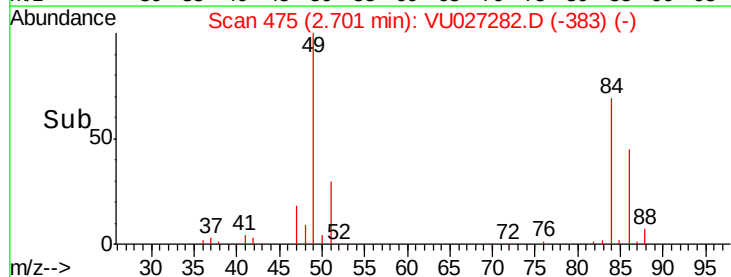
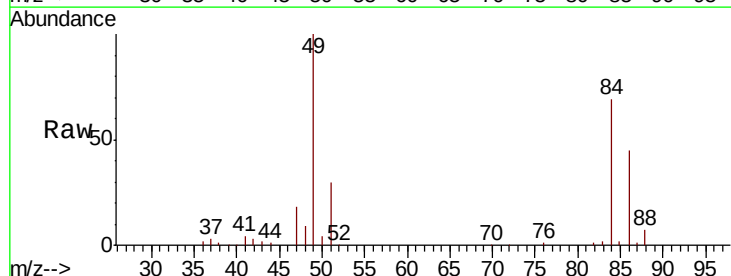
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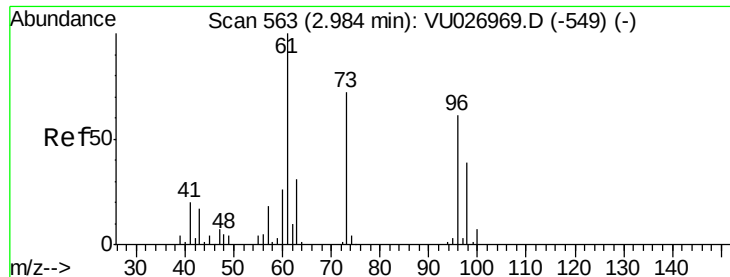
MMDadoda  
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#20  
Methylene Chloride  
Concen: 43.494 ug/l  
RT: 2.70 min Scan# 475  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 144.8 | 114.9 | 172.3 |
| 51      | 42.9  | 35.8  | 53.8  |
| 86      | 65.3  | 51.3  | 76.9  |





#21

trans-1,2-Dichloroethene

Concen: 47.213 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 71518

Ion Ratio Lower Upper

96 100

61 159.1 131.8 197.6

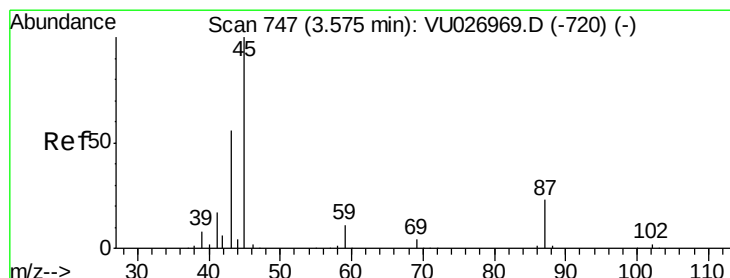
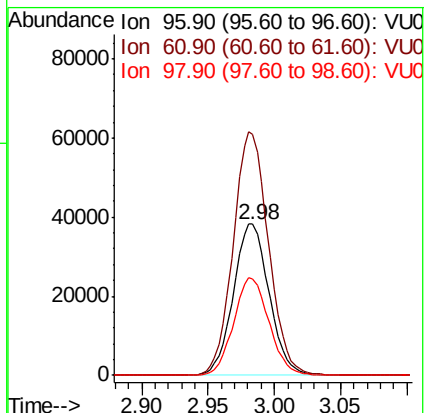
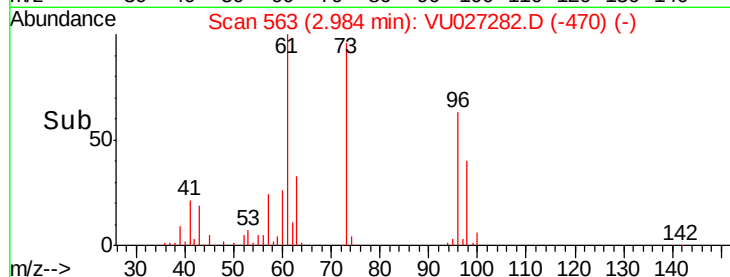
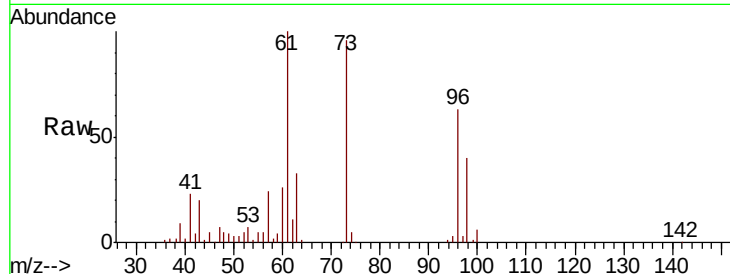
98 63.9 50.9 76.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.428 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Tgt Ion: 45 Resp: 310390

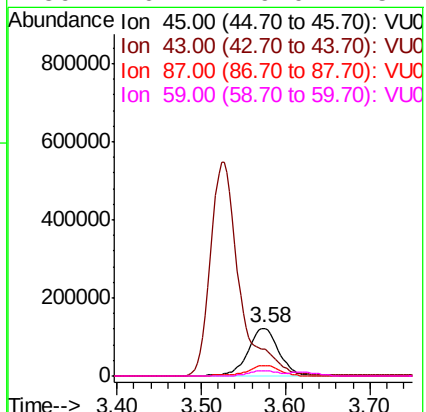
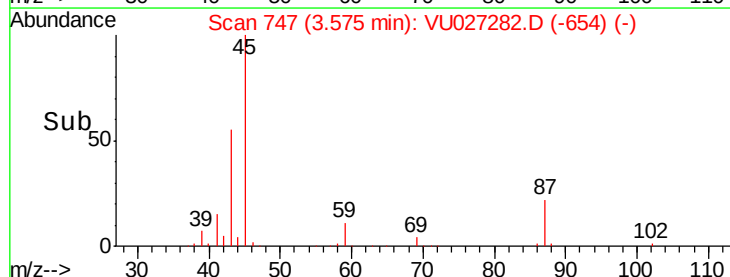
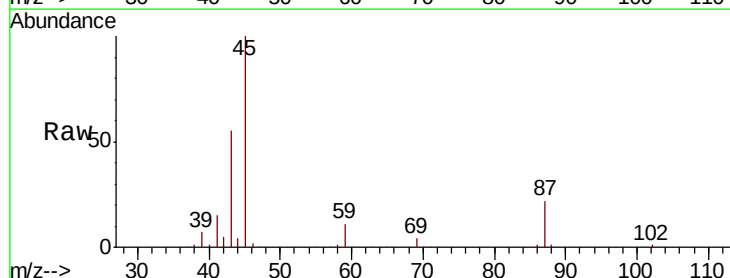
Ion Ratio Lower Upper

45 100

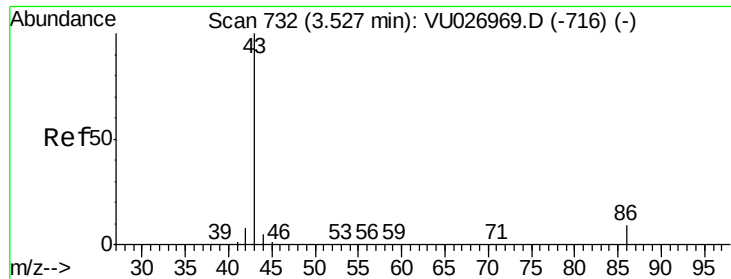
43 52.7 45.8 68.6

87 22.5 18.6 28.0

59 10.7 9.0 13.4







#23

Vinyl Acetate

Concen: 251.892 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Tot Ion: 43 Resp: 1321606

Ion Ratio Lower Upper

43 100

86 9.3 7.2 10.8

Instrument :

MSVOA\_U

ClientSampleId :

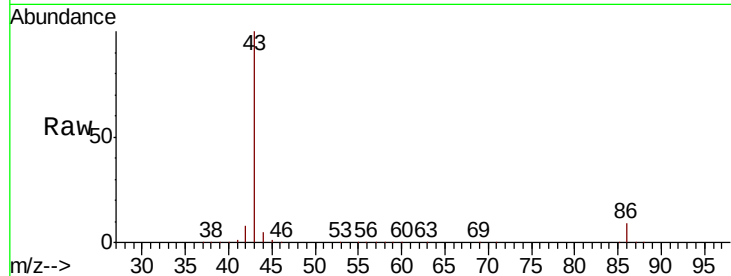
VSTDCCC050EC

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027282.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027282.D (-639) (-)

3.53

600000

500000

400000

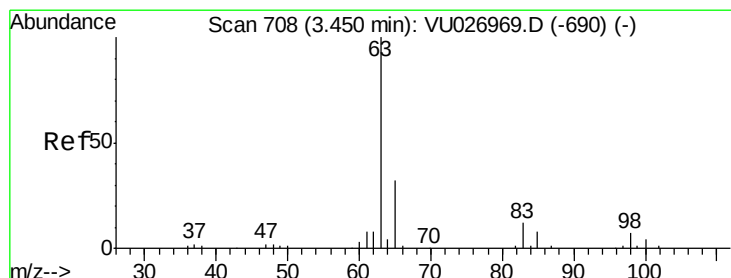
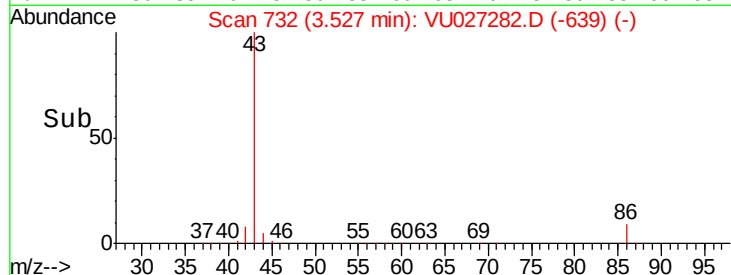
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.426 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

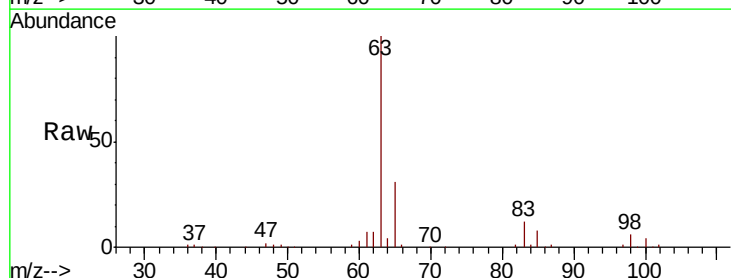
Tgt Ion: 63 Resp: 160773

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027282.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027282.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027282.D (-615) (-)

3.45

100000

80000

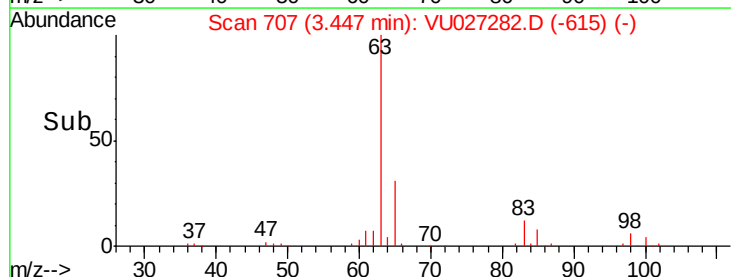
60000

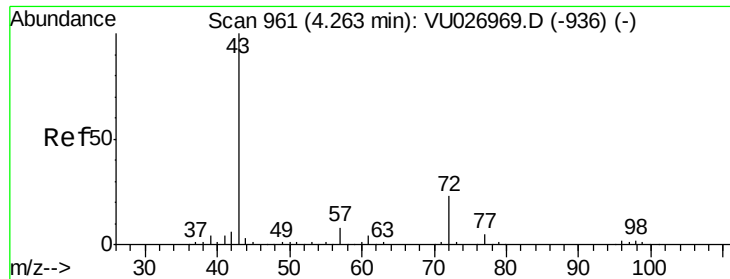
40000

20000

0

Time-->





#25

2-Butanone

Concen: 228.764 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 397484

Ion Ratio Lower Upper

43 100

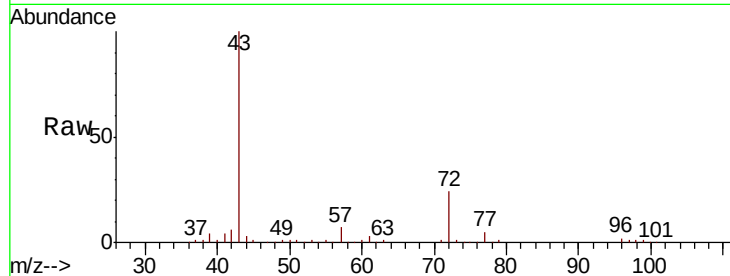
72 23.9 18.4 27.6

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

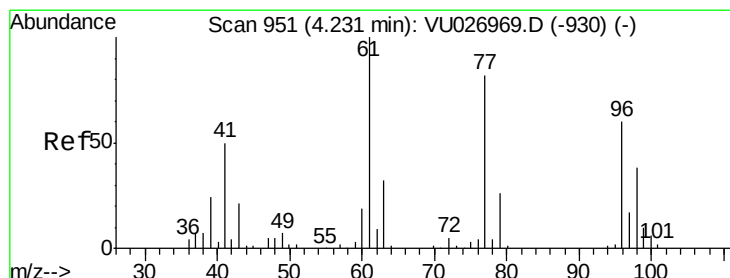
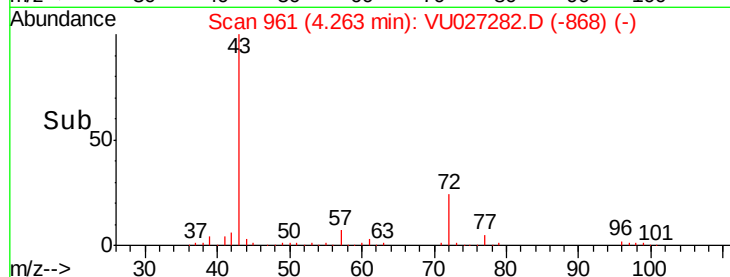
150000

100000

50000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 45.744 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027282.D

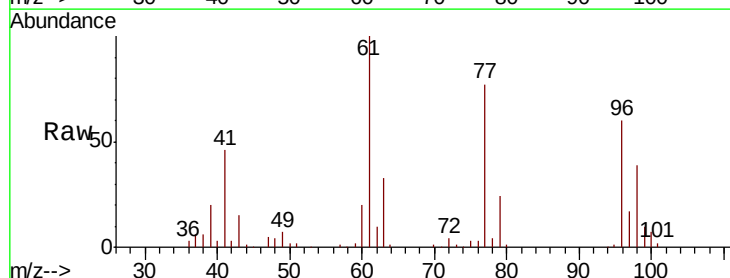
Acq: 28 Sep 2018 19:21

Tgt Ion: 77 Resp: 120936

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

50000

40000

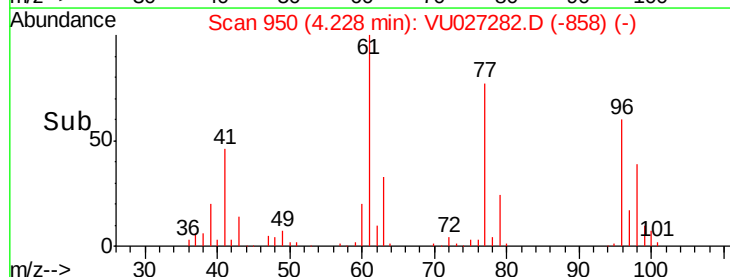
30000

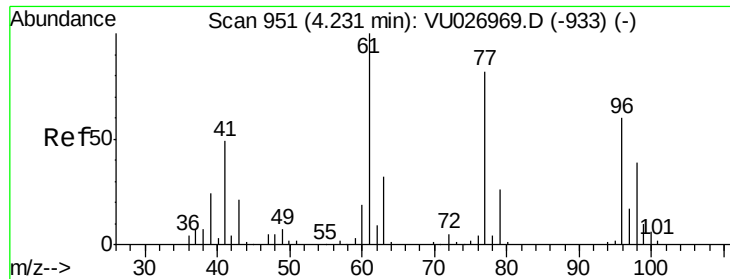
20000

10000

0

Time--> 4.10 4.20 4.30





#27

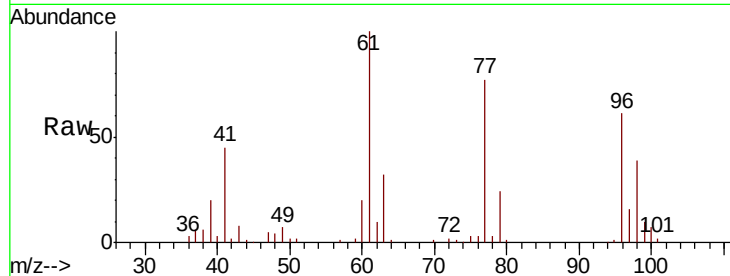
cis-1,2-Dichloroethene  
 Concen: 48.883 ug/l  
 RT: 4.22 min Scan# 949  
 Delta R.T. -0.01 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

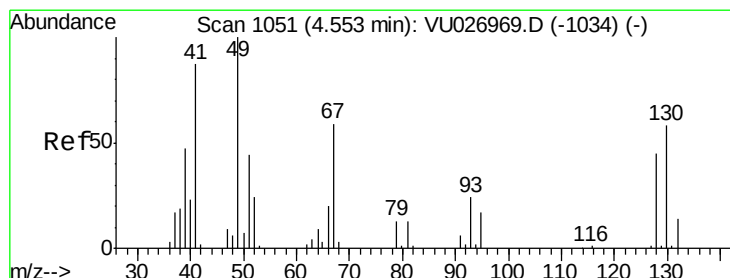
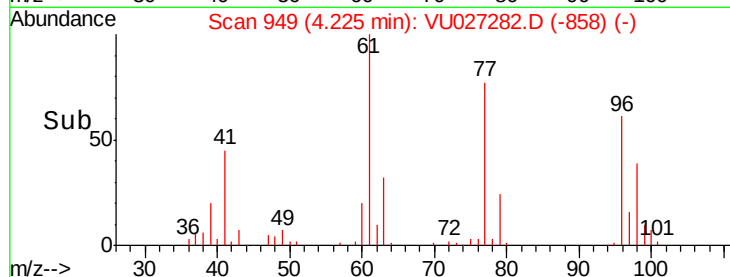
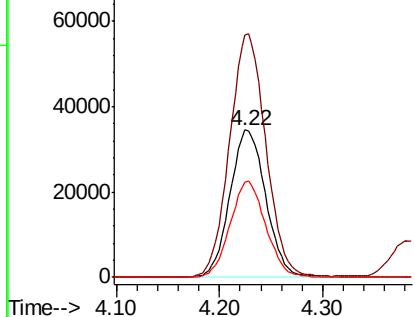
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 167.0 | 0.0   | 337.2 |
| 98      | 64.6  | 0.0   | 127.6 |

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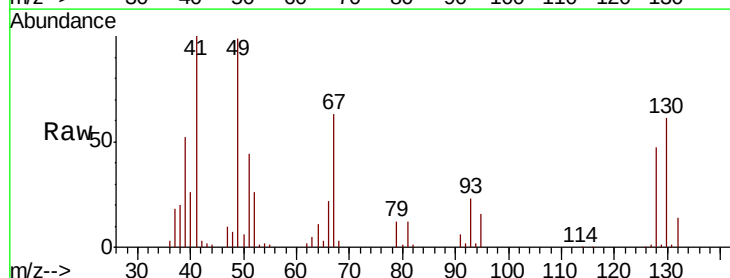
Abundance Ion 95.90 (95.60 to 96.60): VU0  
 Ion 60.90 (60.60 to 61.60): VU0  
 Ion 97.90 (97.60 to 98.60): VU0



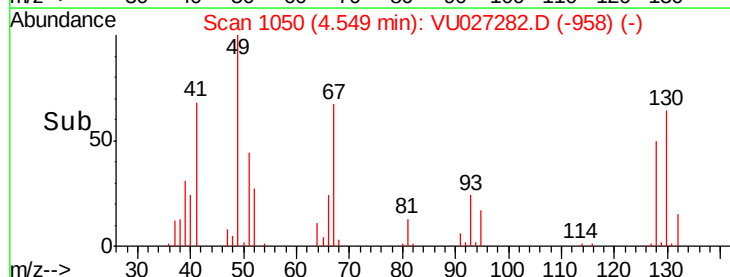
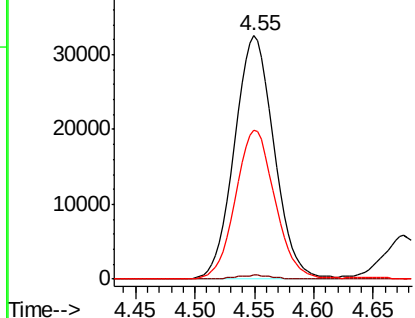
#28

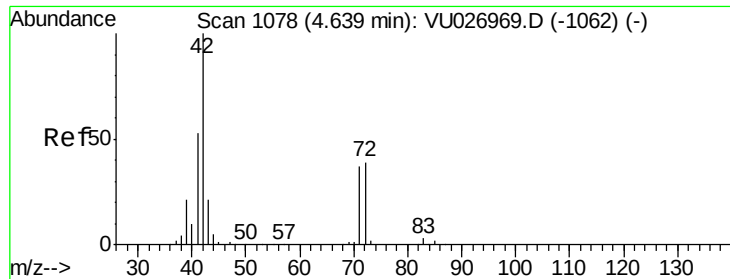
Bromochloromethane  
 Concen: 46.050 ug/l  
 RT: 4.55 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.5   | 0.0   | 3.0   |
| 130     | 60.7  | 47.8  | 71.8  |



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





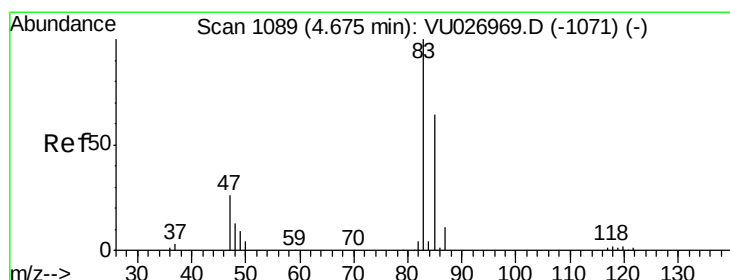
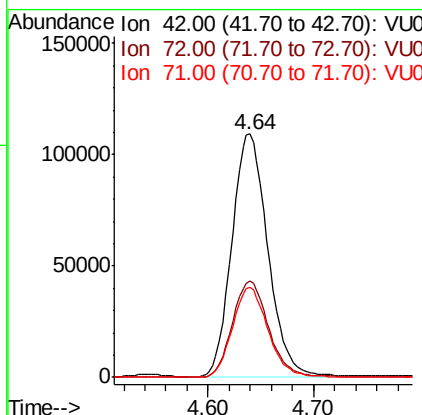
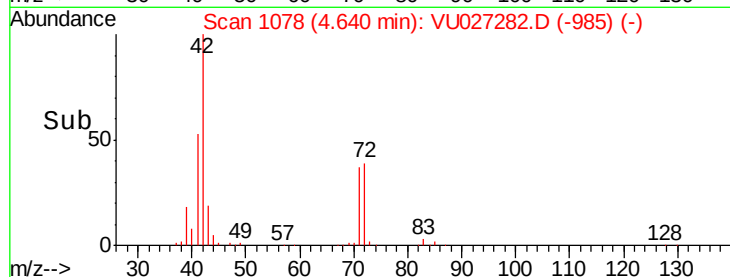
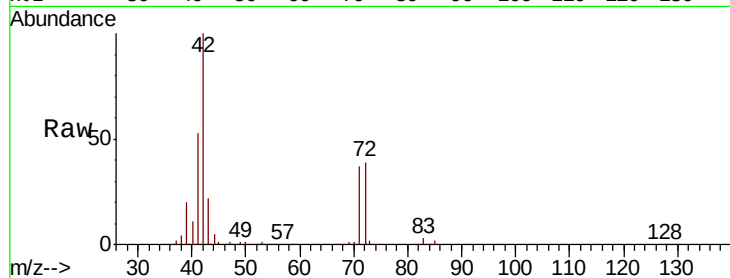
#29  
Tetrahydrofuran  
Concen: 245.953 ug/l  
RT: 4.64 min Scan# 1078  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.0  | 31.7  | 47.5  |
| 71      | 36.9  | 29.6  | 44.4  |

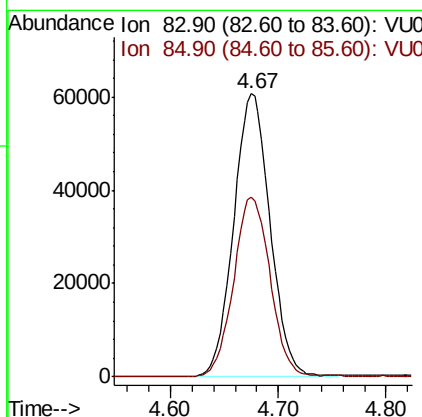
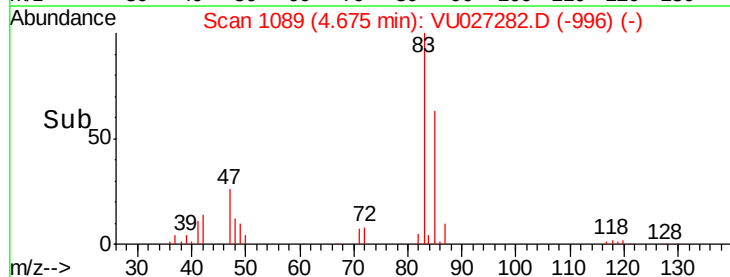
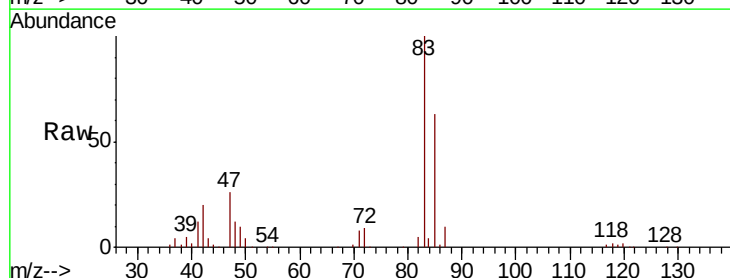
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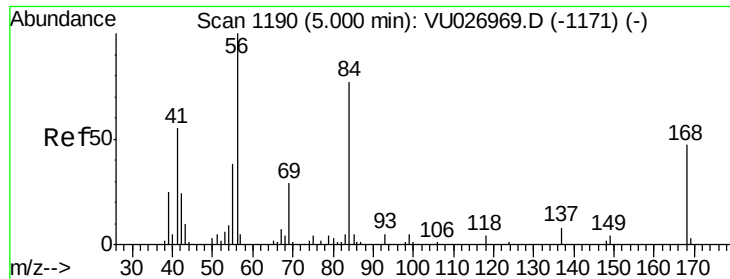
MMDadoda  
10/2/2018 1:08:11 PM



#30  
Chloroform  
Concen: 45.334 ug/l  
RT: 4.67 min Scan# 1089  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.5  | 51.5  | 77.3  |





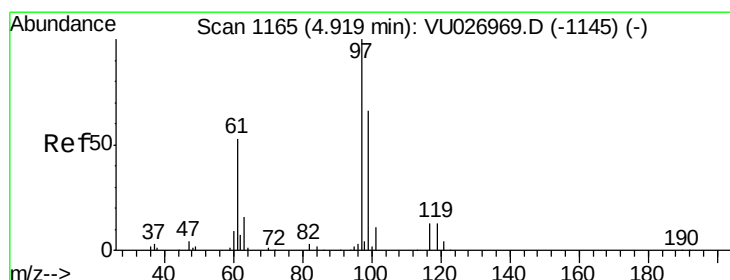
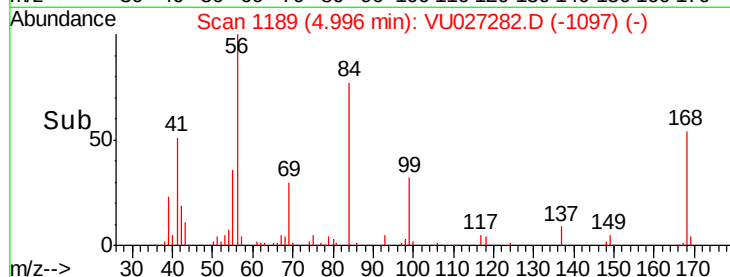
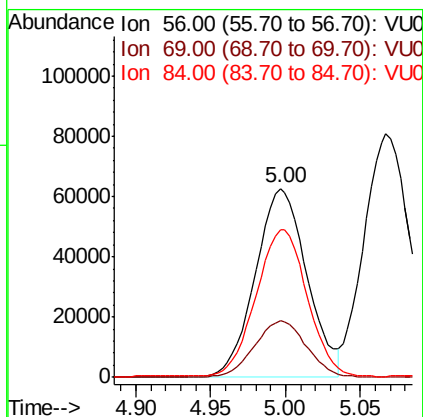
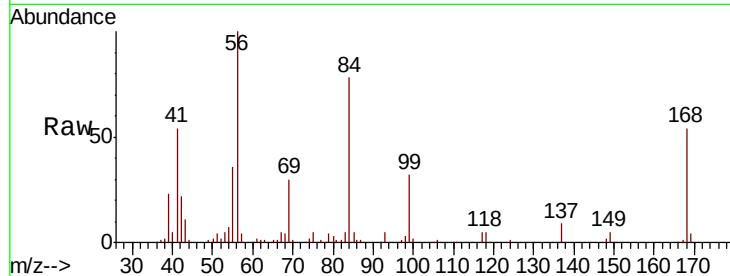
#31  
Cyclohexane  
Concen: 48.716 ug/l  
RT: 5.00 min Scan# 1189  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.7  | 23.0  | 34.4  |
| 84      | 77.3  | 61.4  | 92.2  |

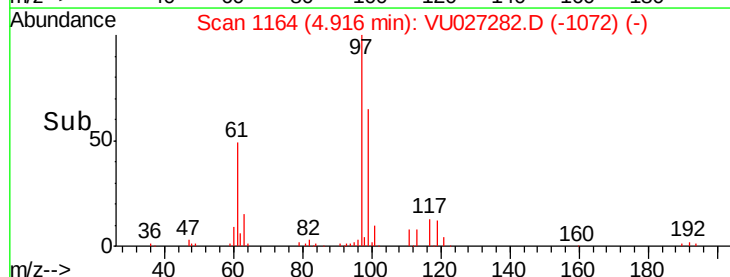
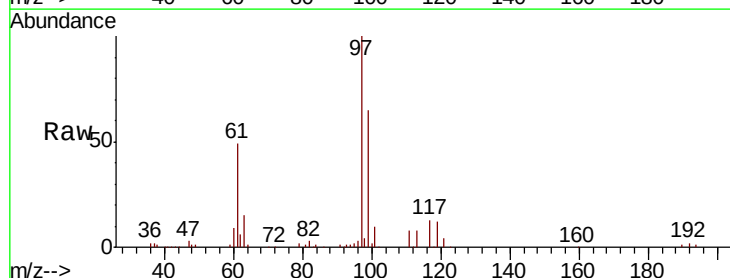
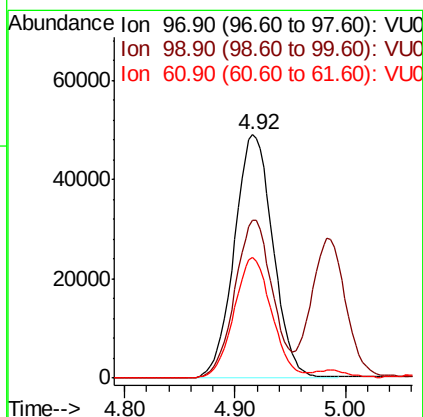
Manual Integrations  
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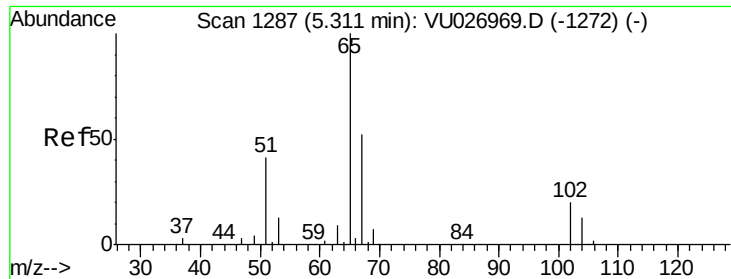
MMDadoda  
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#32  
1,1,1-Trichloroethane  
Concen: 47.406 ug/l  
RT: 4.92 min Scan# 1164  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.1  | 51.8  | 77.6  |
| 61      | 48.5  | 41.1  | 61.7  |





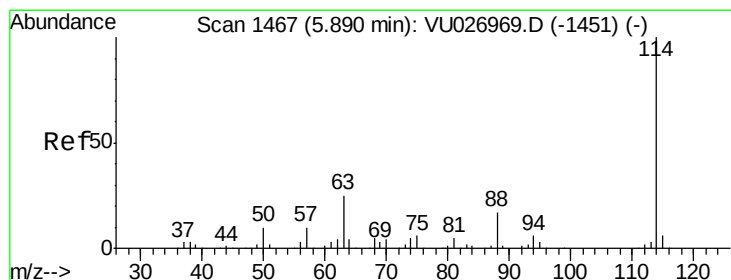
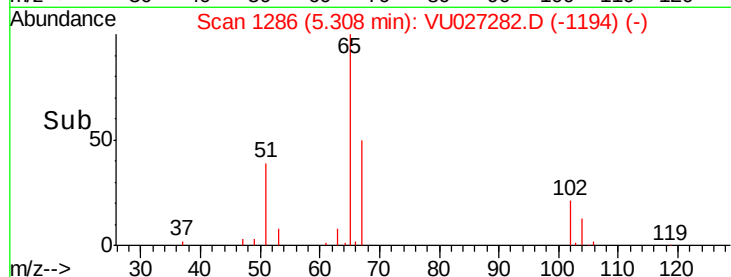
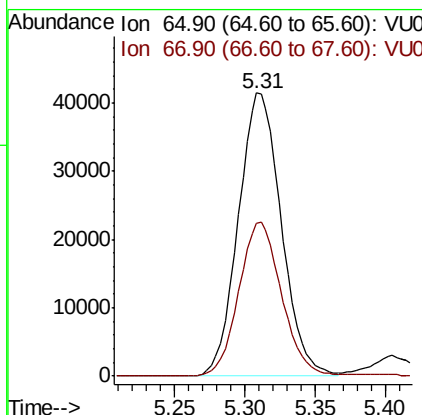
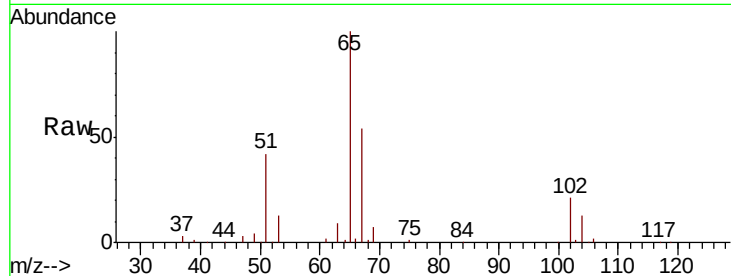
#33  
 1,2-Dichloroethane-d4  
 Concen: 42.758 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. -0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.4  | 0.0   | 105.6 |

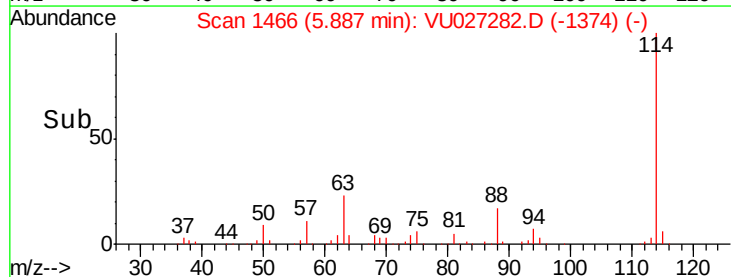
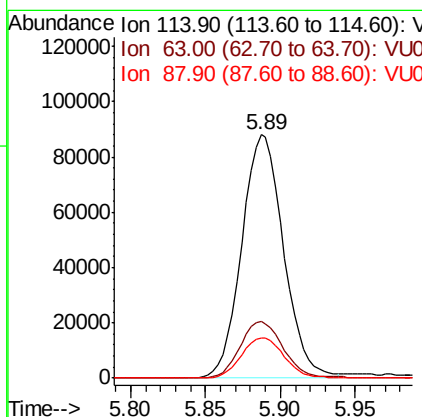
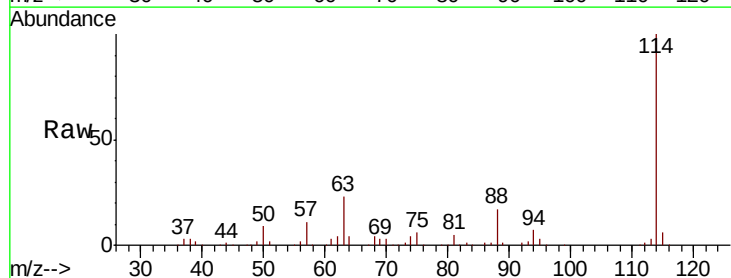
Manual Integrations  
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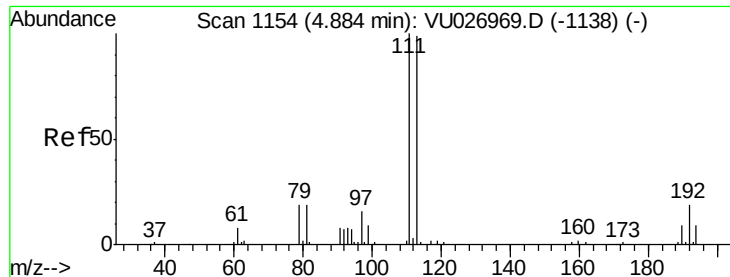
MMDadoda  
 10/2/2018 1:08:11 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.4  | 0.0   | 49.2  |
| 88      | 16.6  | 0.0   | 33.8  |





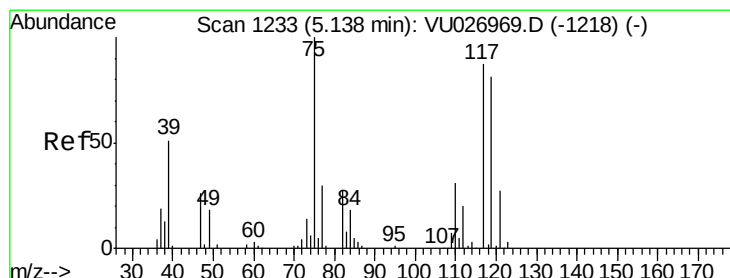
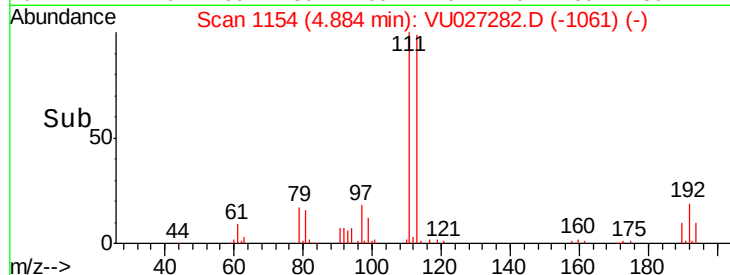
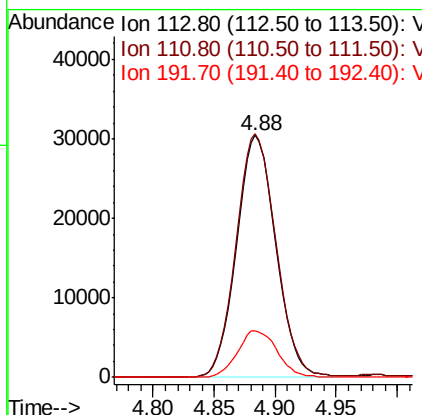
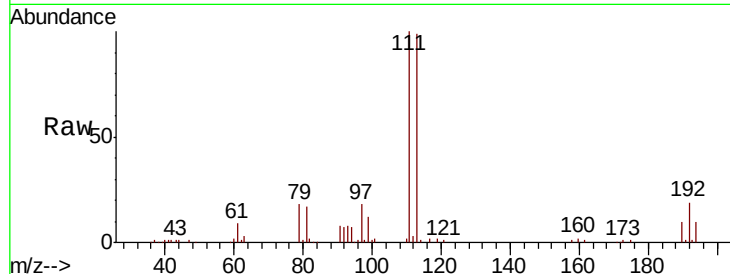
#35  
 Dibromofluoromethane  
 Concen: 45.675 ug/l  
 RT: 4.88 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 82.2  | 123.4 |
| 192     | 19.5  | 15.2  | 22.8  |

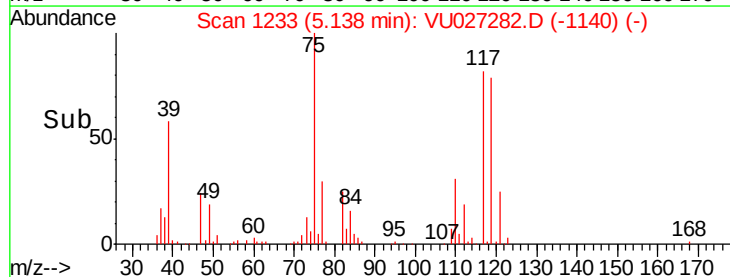
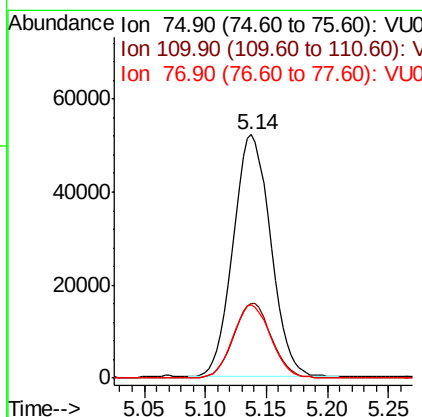
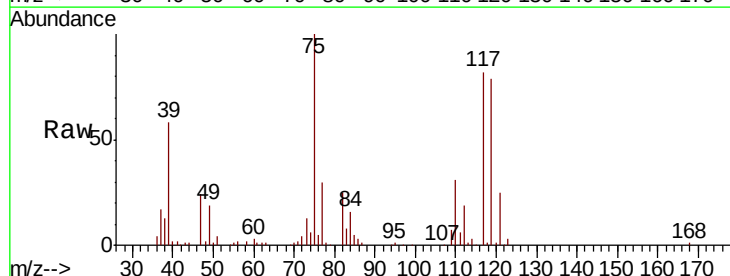
Manual Integrations  
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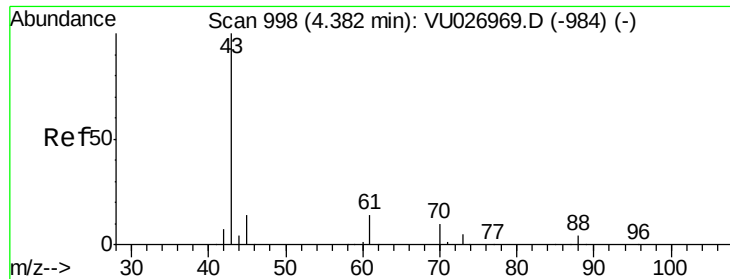
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#36  
 1,1-Dichloropropene  
 Concen: 48.472 ug/l  
 RT: 5.14 min Scan# 1233  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 31.3  | 16.1  | 48.2  |
| 77      | 30.1  | 24.6  | 36.8  |





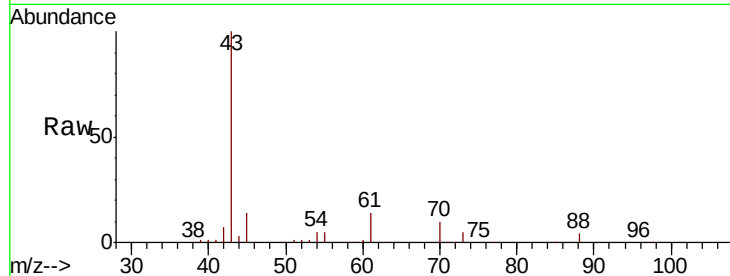
#37  
Ethyl Acetate  
Concen: 46.195 ug/l  
RT: 4.38 min Scan# 998  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

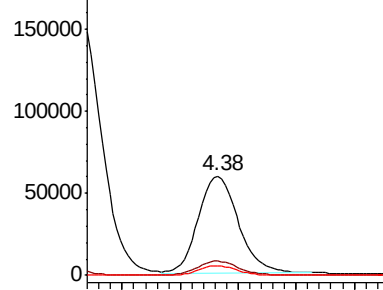
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 143053 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 14.6  | 10.5  | 15.7   |
| 70       | 9.7   | 7.4   | 11.0   |

Manual Integrations  
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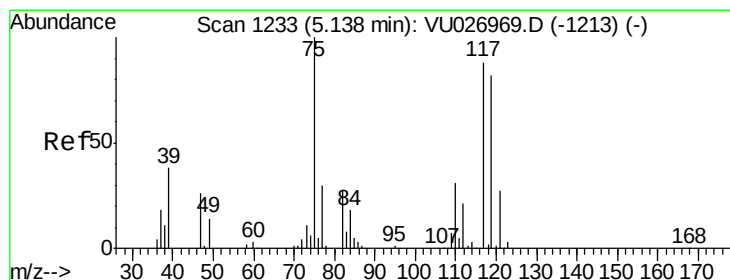
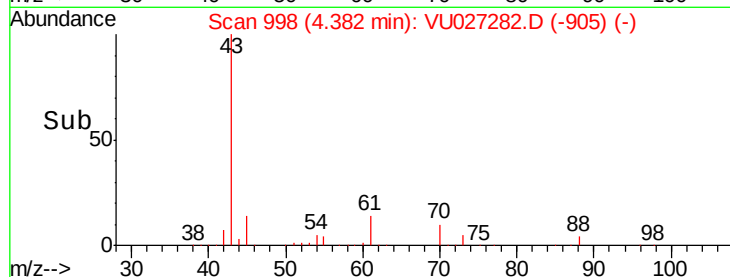
MMDadoda  
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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-984) (-)  
Ion 60.90 (60.60 to 61.60): VU026969.D (-984) (-)  
Ion 70.00 (69.70 to 70.70): VU026969.D (-984) (-)

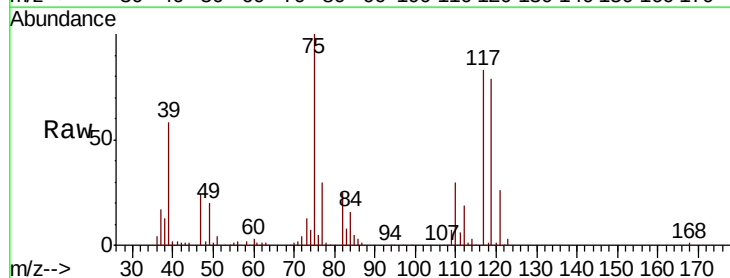


Time-->

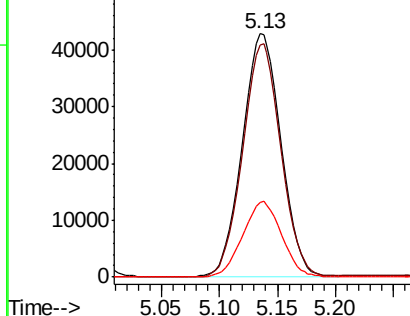


#38  
Carbon Tetrachloride  
Concen: 45.707 ug/l  
RT: 5.13 min Scan# 1232  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

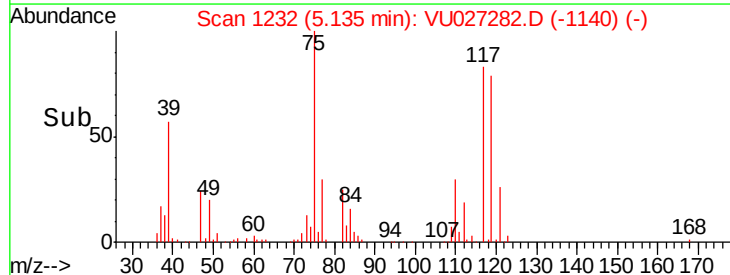
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 99500 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.4  | 74.4  | 111.6 |
| 121      | 30.9  | 24.2  | 36.4  |



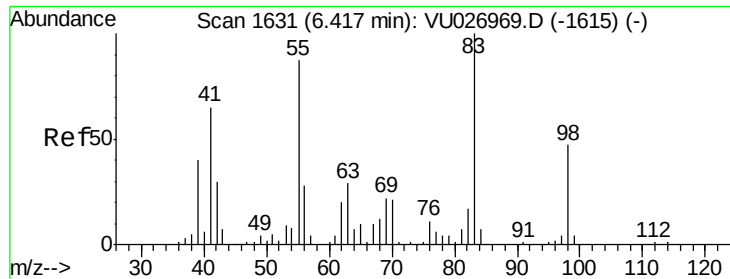
Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)  
Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)  
Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)



Time-->







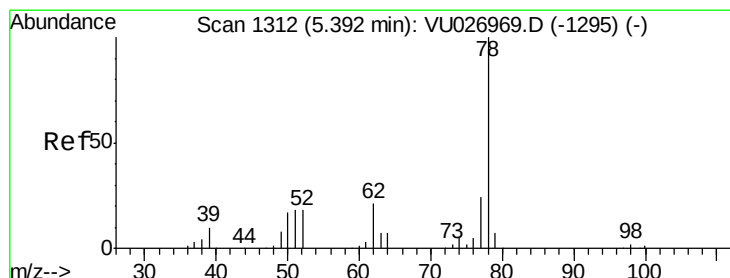
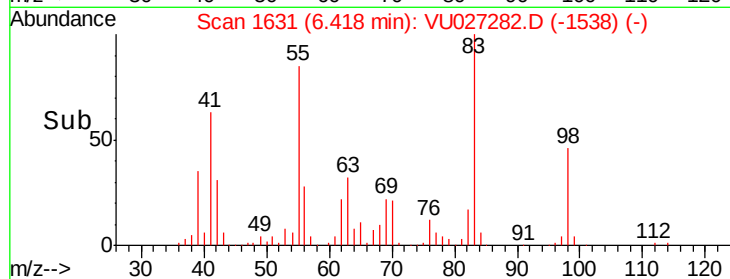
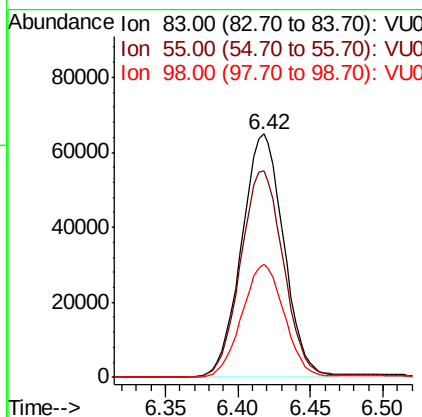
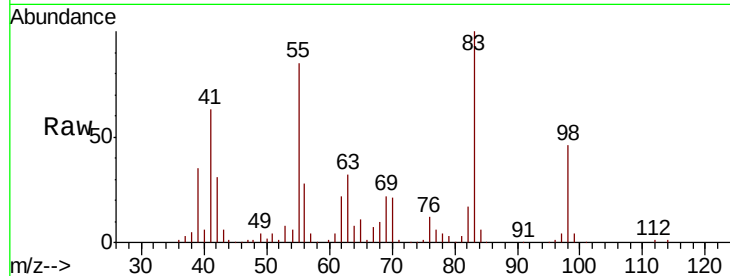
#39  
Methylvlcyclohexane  
Concen: 52.752 ug/l  
RT: 6.42 min Scan# 1631  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83.00 | Resp  | 131135 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 83        | 100   |       |        |
| 55        | 84.8  | 69.9  | 104.9  |
| 98        | 46.4  | 37.5  | 56.3   |

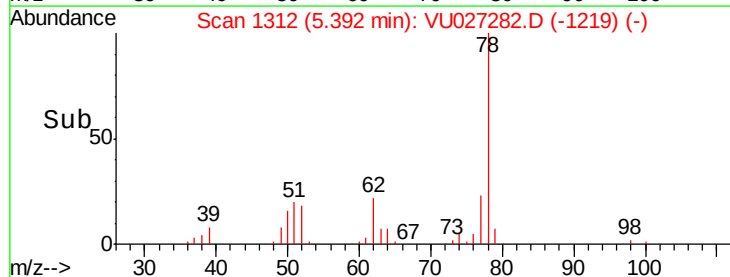
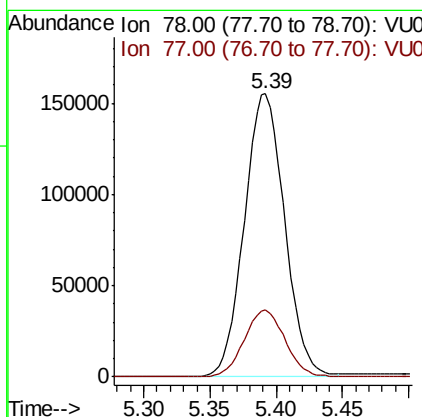
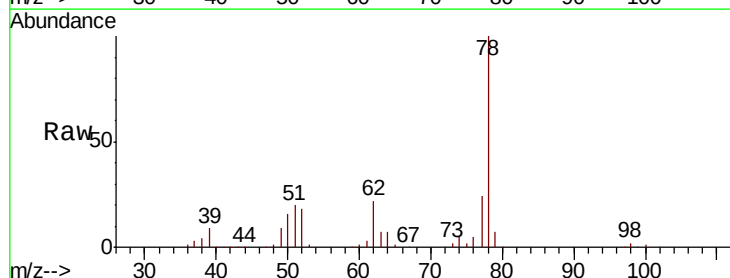
Manual Integrations  
APPROVED

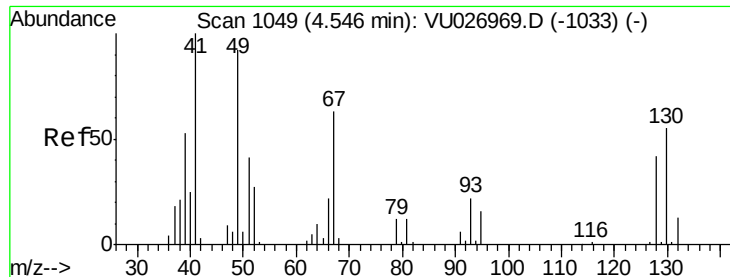
MMDadoda  
10/2/2018 1:08:11 PM



#40  
Benzene  
Concen: 47.145 ug/l  
RT: 5.39 min Scan# 1312  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

| Tgt Ion   | 78.00 | Resp  | 327847 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 78        | 100   |       |        |
| 77        | 23.5  | 19.4  | 29.0   |





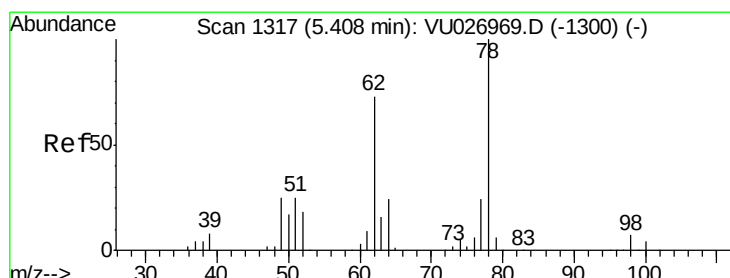
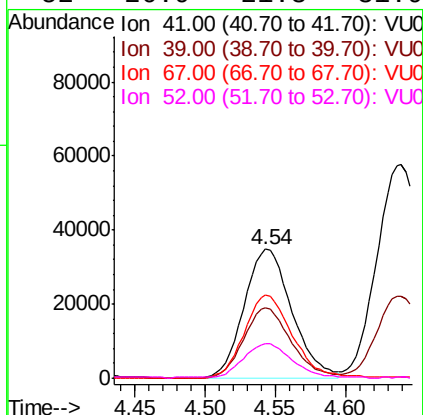
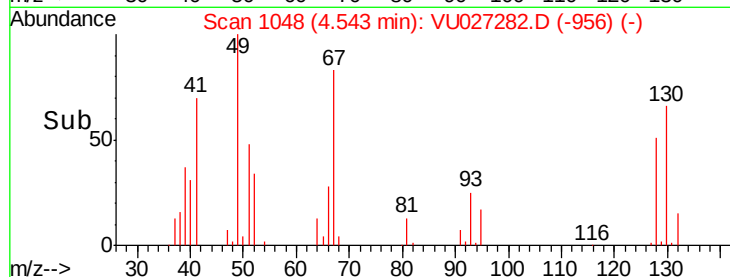
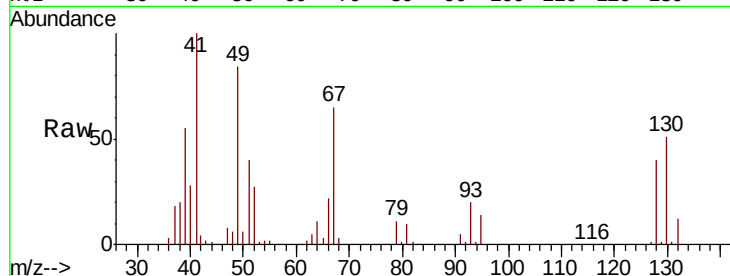
#41  
Methacrylonitrile  
Concen: 50.920 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 53.8 | 42.9  | 64.3  |       |
| 67      | 65.6 | 52.4  | 78.6  |       |
| 52      | 26.9 | 21.3  | 31.9  |       |

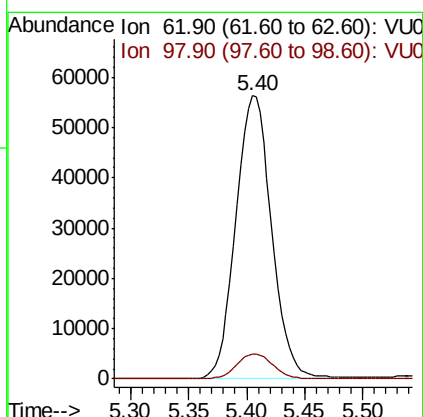
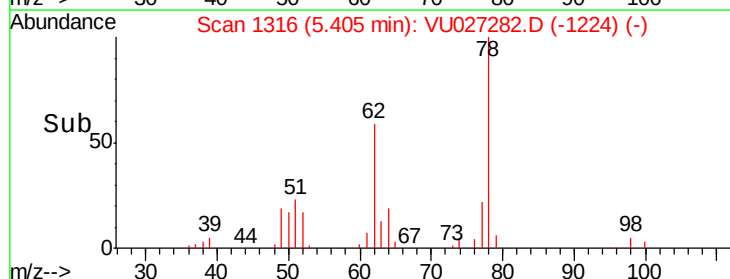
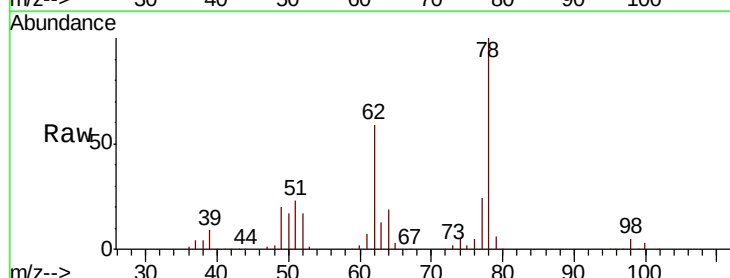
Manual Integrations  
APPROVED

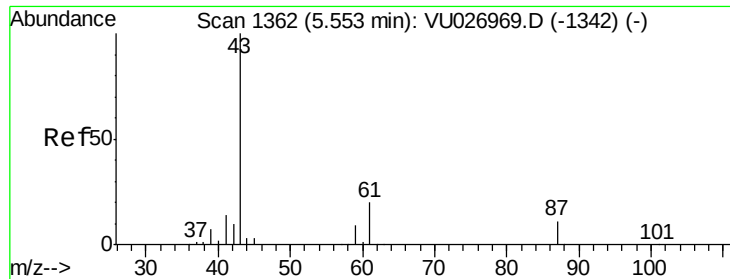
MMDadoda  
10/2/2018 1:08:11 PM



#42  
1,2-Dichloroethane  
Concen: 46.052 ug/l  
RT: 5.40 min Scan# 1316  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.9 | 0.0   | 17.0  |       |





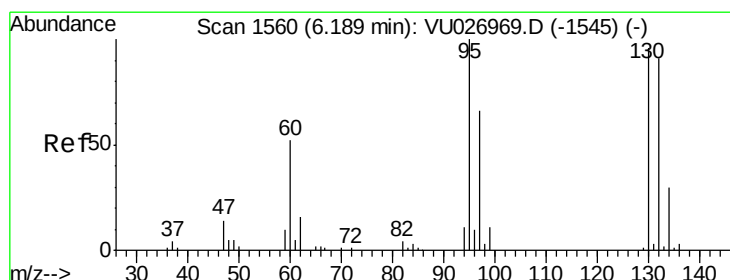
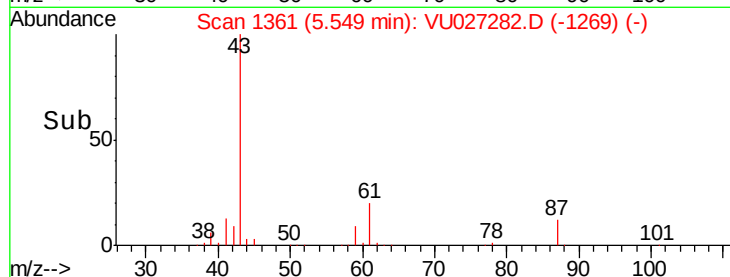
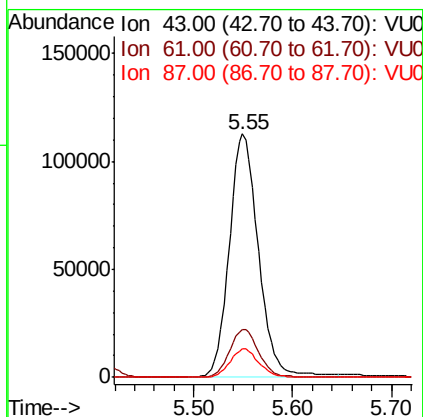
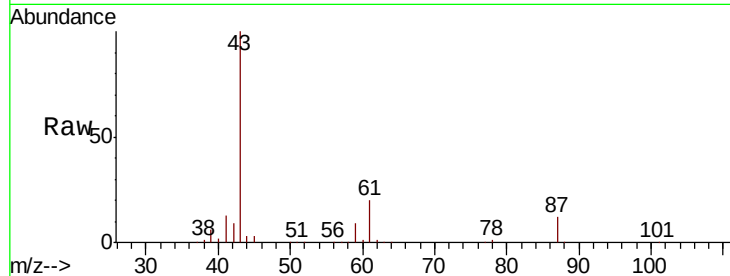
#43  
Isopropyl Acetate  
Concen: 51.393 ug/l  
RT: 5.55 min Scan# 1361  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 232100 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.8  | 15.7  | 23.5   |
| 87       | 11.7  | 9.0   | 13.4   |

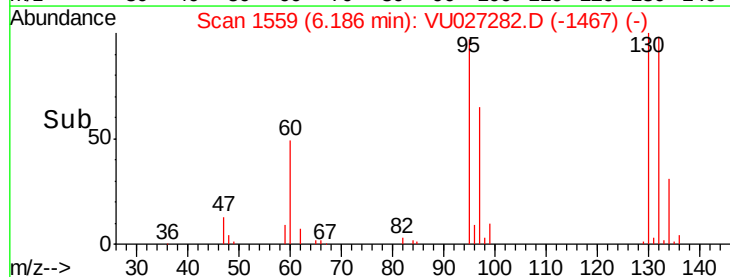
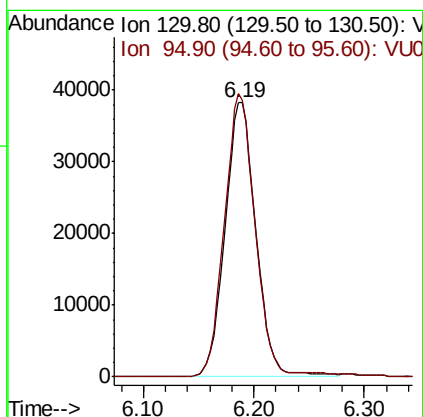
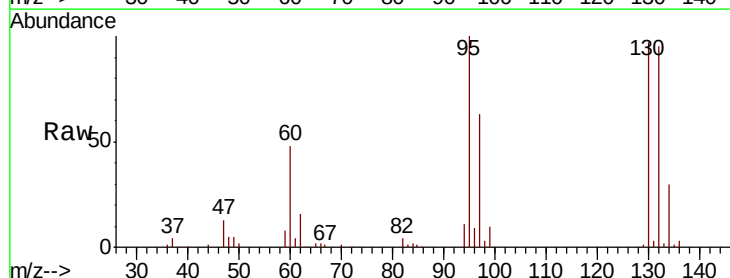
Manual Integrations  
APPROVED

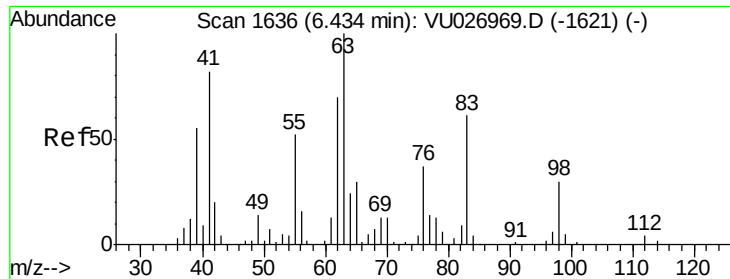
MMDadoda  
10/2/2018 1:08:11 PM



#44  
Trichloroethene  
Concen: 50.354 ug/l  
RT: 6.19 min Scan# 1559  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 74547 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 103.2 | 0.0   | 208.8 |





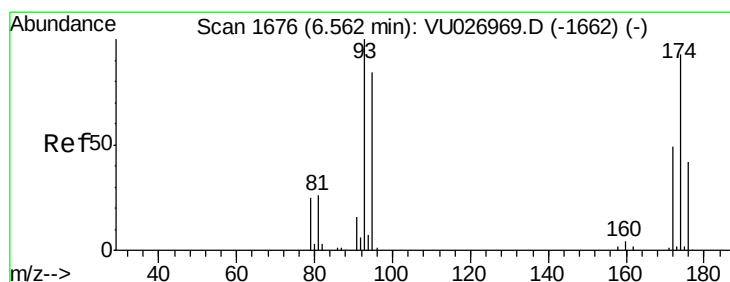
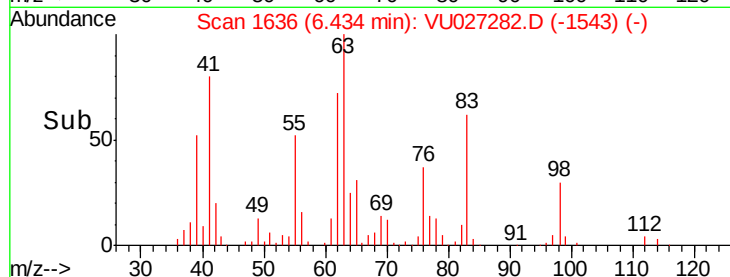
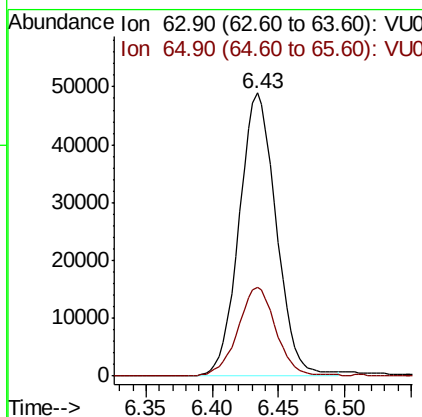
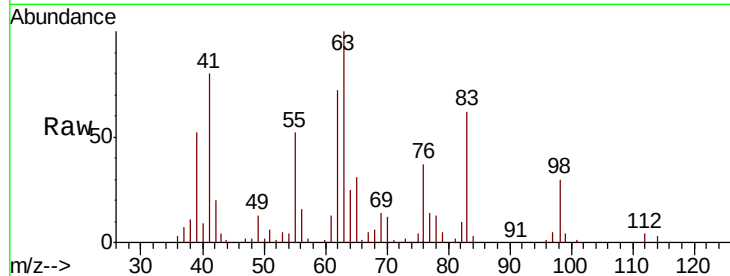
#45  
 1,2-Dichloropropane  
 Concen: 48.078 ug/l  
 RT: 6.43 min Scan# 1636  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 95264  
 Ion Ratio Lower Upper  
 63 100  
 65 31.5 24.3 36.5

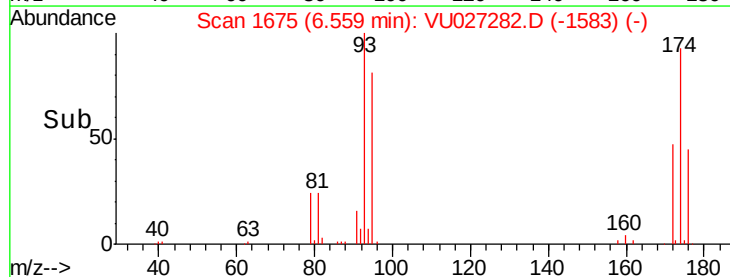
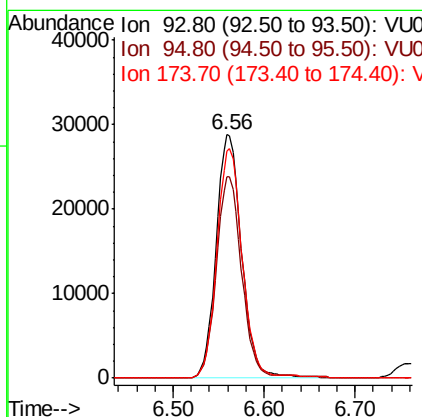
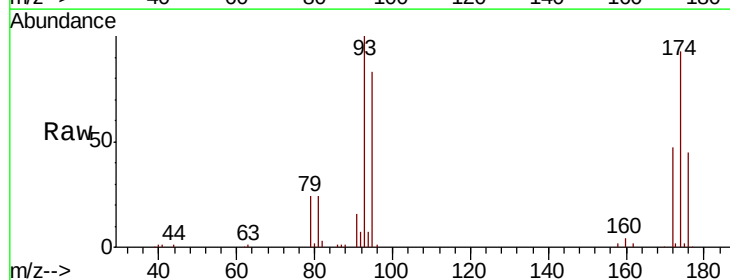
Manual Integrations  
 APPROVED

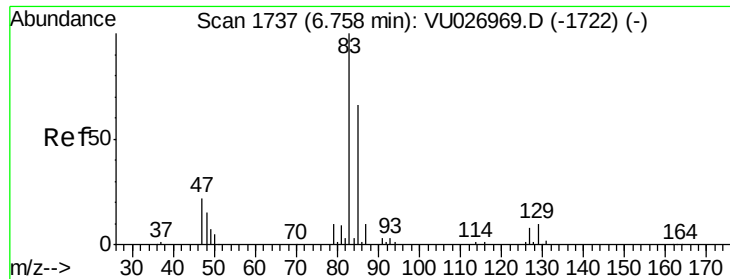
MMDadoda  
 10/2/2018 1:08:11 PM



#46  
 Dibromomethane  
 Concen: 46.896 ug/l  
 RT: 6.56 min Scan# 1675  
 Delta R.T. -0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Tgt Ion: 93 Resp: 56120  
 Ion Ratio Lower Upper  
 93 100  
 95 82.7 66.2 99.4  
 174 94.3 71.7 107.5





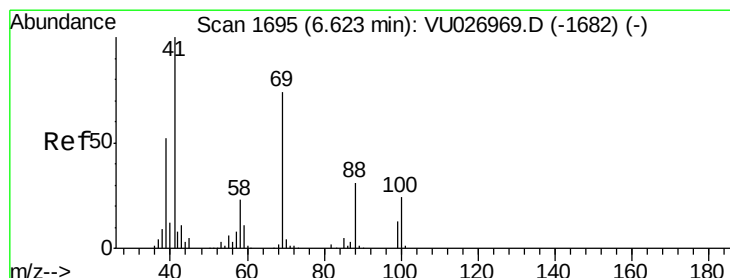
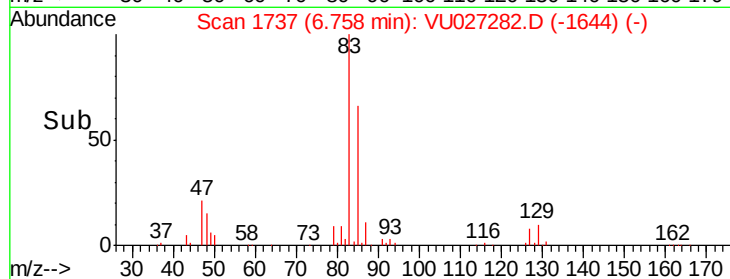
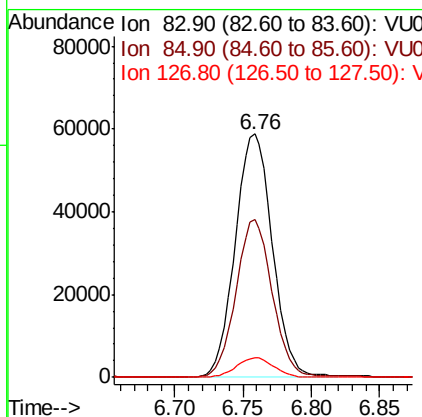
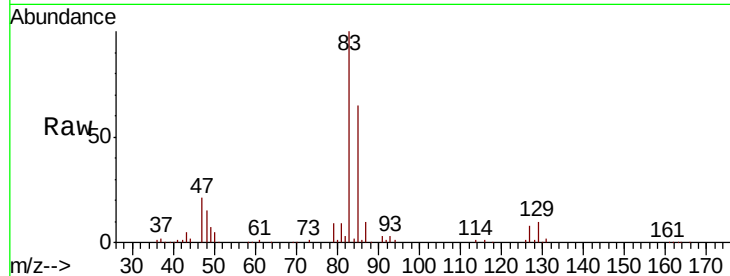
#47  
Bromodichloromethane  
Concen: 46.117 ug/l  
RT: 6.76 min Scan# 1737  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.0  | 52.5  | 78.7  |
| 127     | 8.0   | 6.3   | 9.5   |

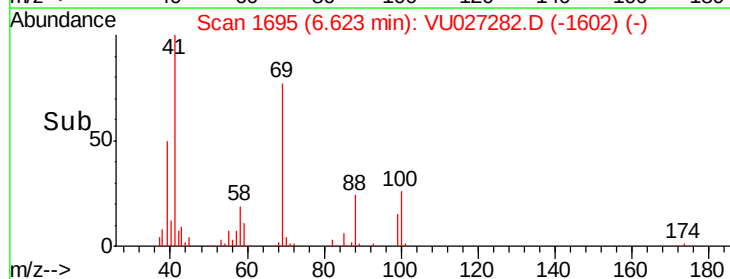
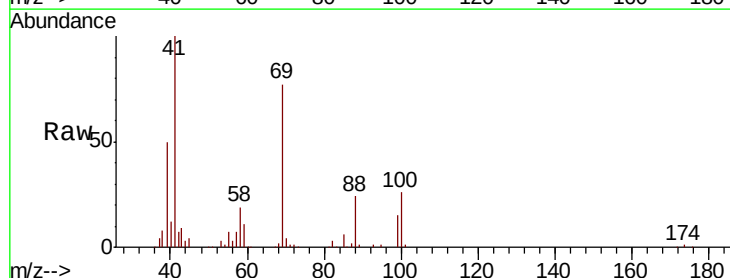
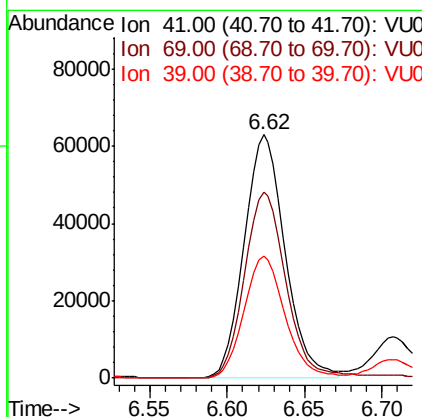
Manual Integrations  
APPROVED

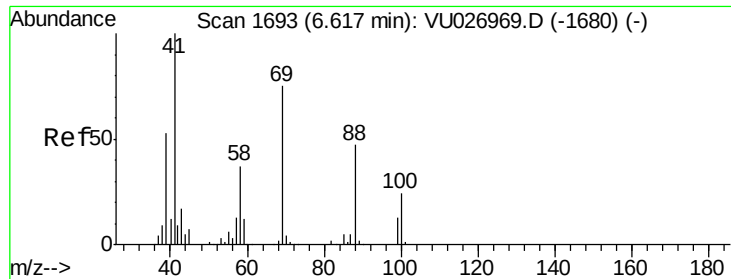
MMDadoda  
10/2/2018 1:08:11 PM



#48  
Methyl methacrylate  
Concen: 47.019 ug/l  
RT: 6.62 min Scan# 1695  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 79.5  | 60.6  | 90.8  |
| 39      | 50.6  | 42.8  | 64.2  |





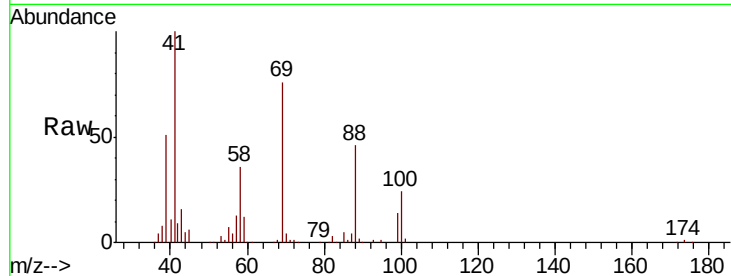
#49  
1,4-Dioxane  
Concen: 808.110 ug/l  
RT: 6.61 min Scan# 1692  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.4  | 29.8  | 44.8  |
| 58      | 79.9  | 63.9  | 95.9  |

Manual Integrations  
APPROVED

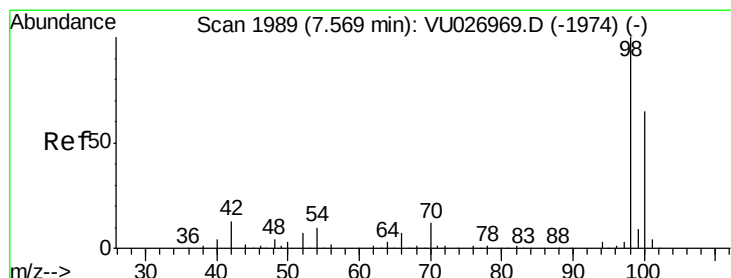
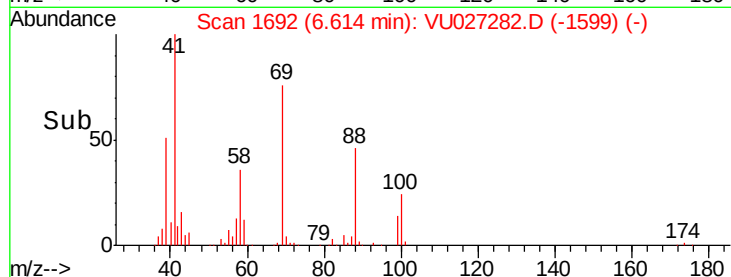
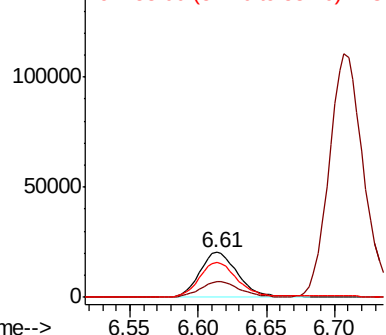
MMDadoda  
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Abundance Ion 88.00 (87.70 to 88.70): VU026969.D (-1680) (-)

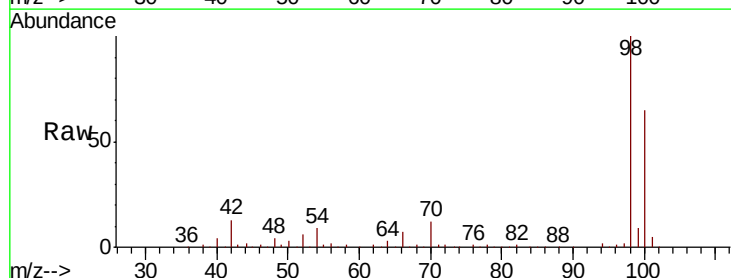
Ion 43.00 (42.70 to 43.70): VU026969.D (-1680) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1680) (-)



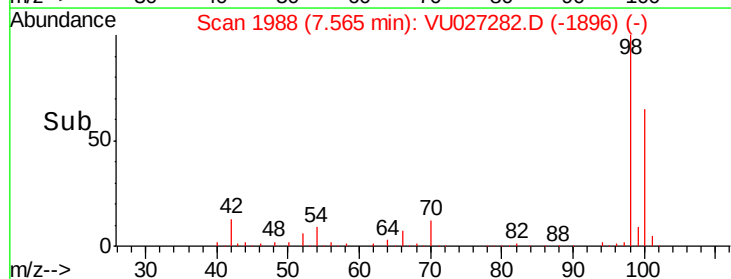
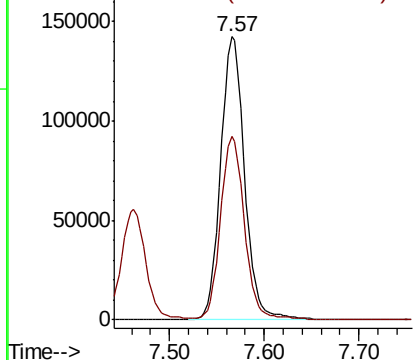
#50  
Toluene-d8  
Concen: 44.312 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

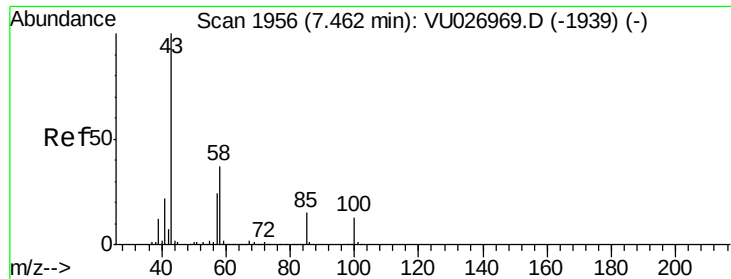
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.3  | 52.1  | 78.1  |



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)





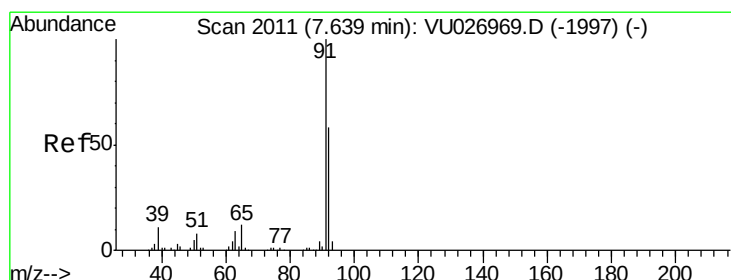
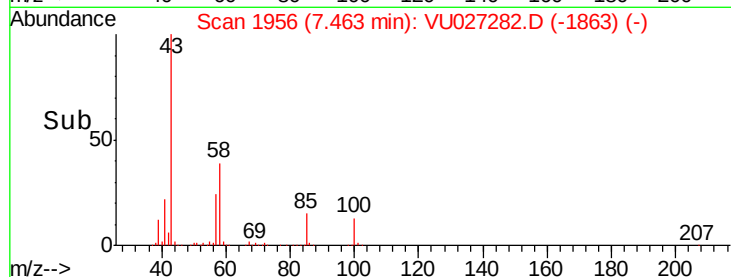
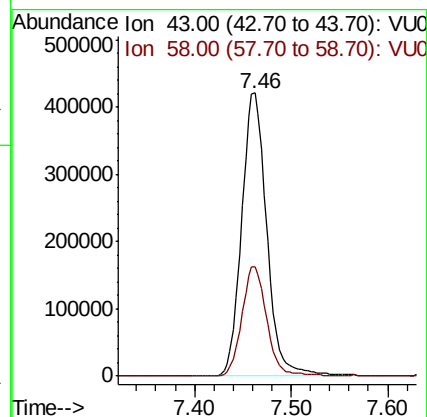
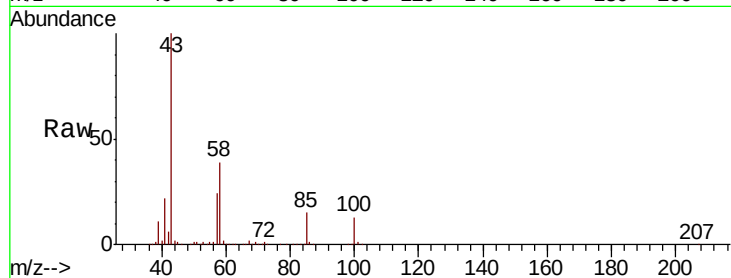
#51  
 4-Methyl-2-Pentanone  
 Concen: 250.121 ug/l  
 RT: 7.46 min Scan# 1956  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 38.4  | 29.8  | 44.6  |

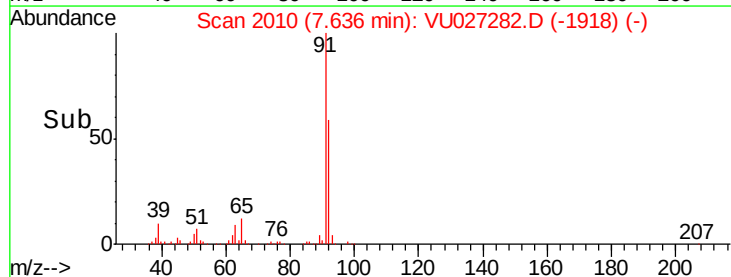
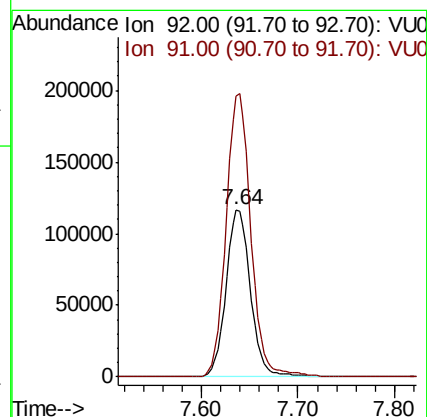
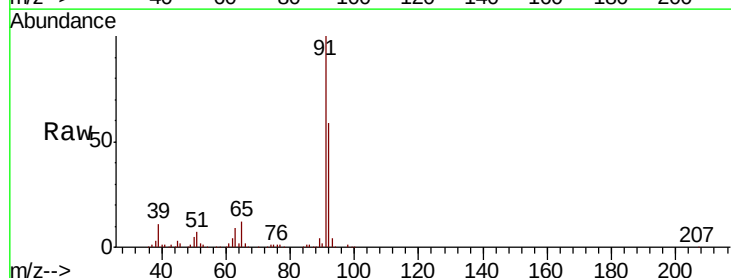
Manual Integrations  
 APPROVED

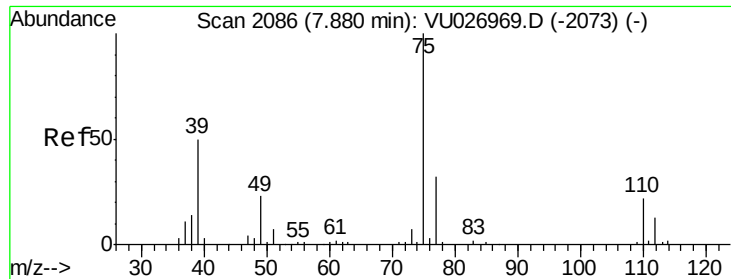
MMDadoda  
 10/2/2018 1:08:11 PM



#52  
 Toluene  
 Concen: 51.567 ug/l  
 RT: 7.64 min Scan# 2010  
 Delta R.T. -0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 171.4 | 136.4 | 204.6 |





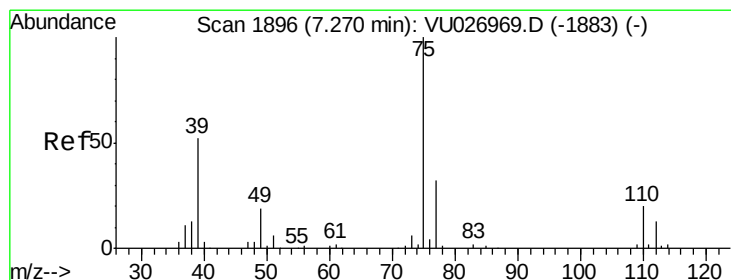
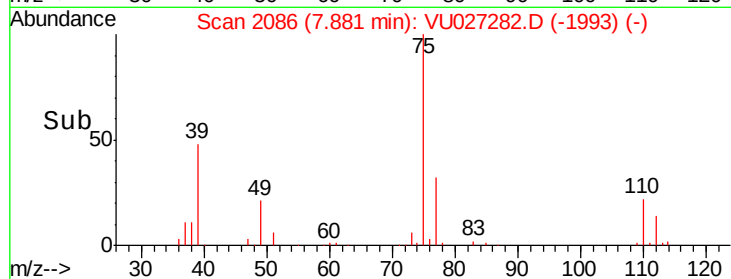
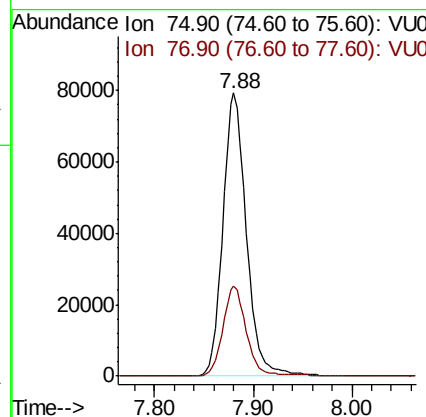
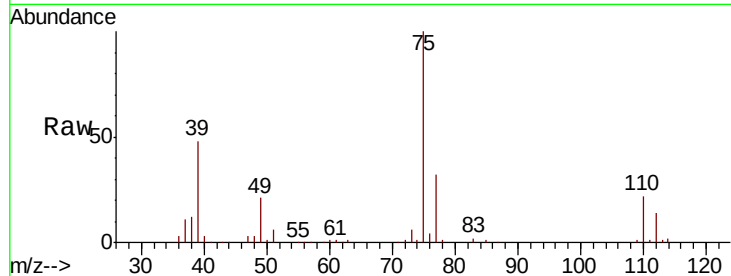
#53  
t-1,3-Dichloropropene  
Concen: 51.076 ug/l  
RT: 7.88 min Scan# 2086  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 132790  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.3 37.9

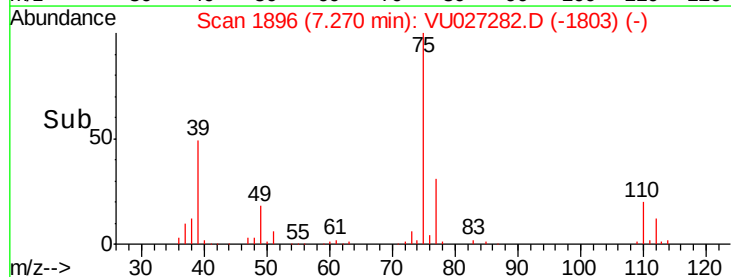
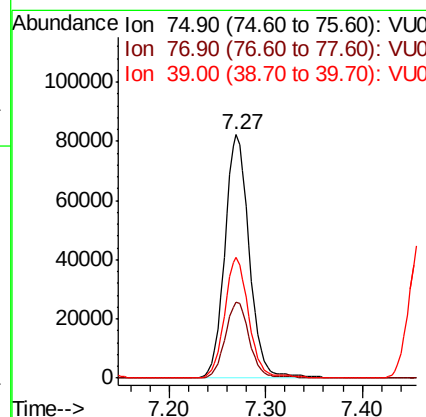
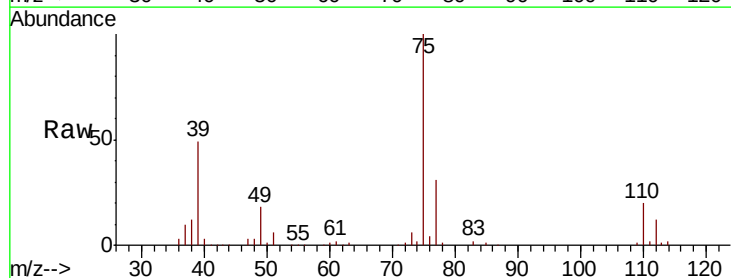
Manual Integrations  
APPROVED

MMDadoda  
10/2/2018 1:08:11 PM

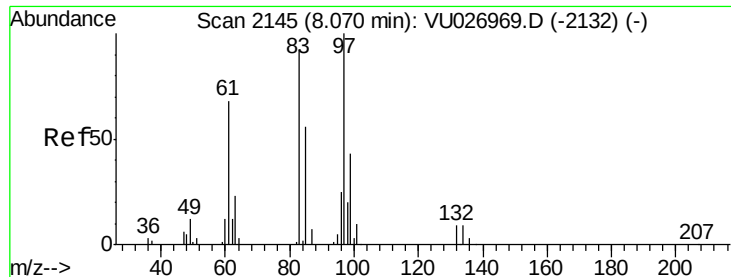


#54  
cis-1,3-Dichloropropene  
Concen: 50.395 ug/l  
RT: 7.27 min Scan# 1896  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Tgt Ion: 75 Resp: 144058  
Ion Ratio Lower Upper  
75 100  
77 31.3 25.4 38.0  
39 49.5 41.6 62.4







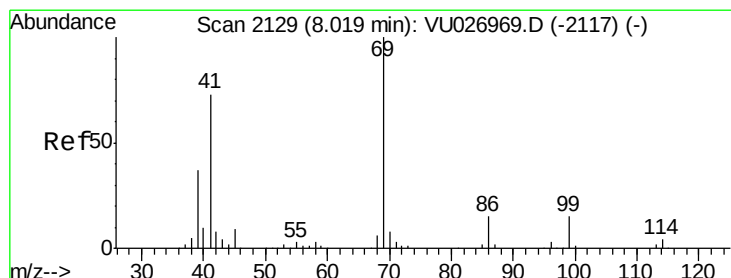
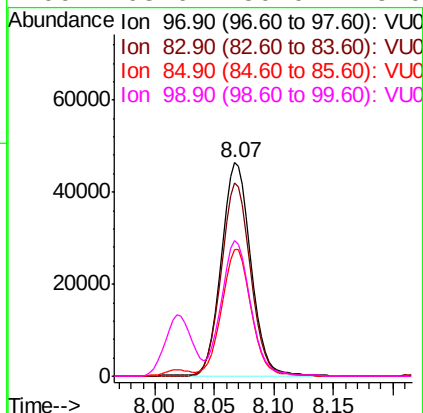
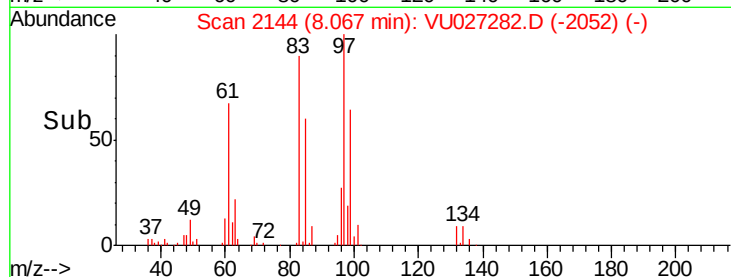
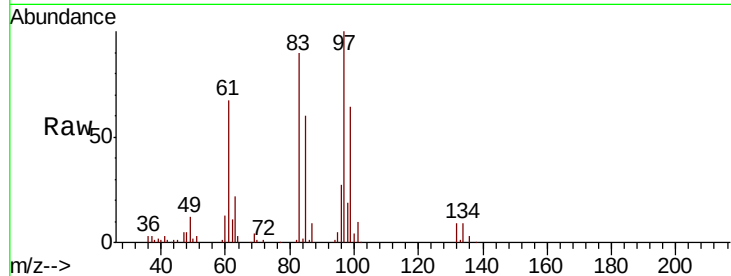
#55  
 1,1,2-Trichloroethane  
 Concen: 47.638 ug/l  
 RT: 8.07 min Scan# 2144  
 Delta R.T. -0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 80461 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.4  | 73.1  | 109.7 |
| 85       | 59.5  | 46.7  | 70.1  |
| 99       | 63.6  | 50.0  | 75.0  |

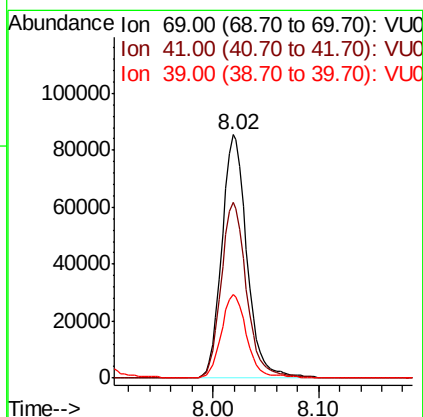
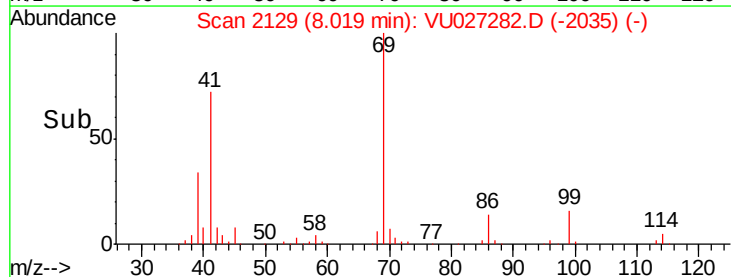
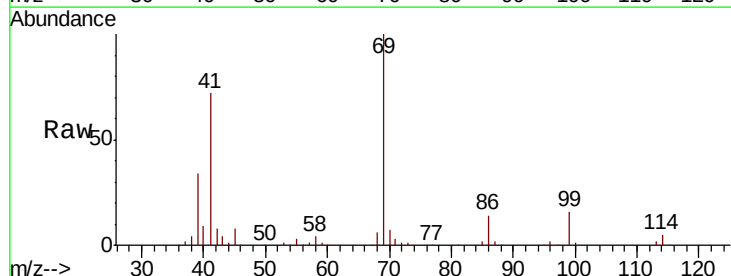
Manual Integrations  
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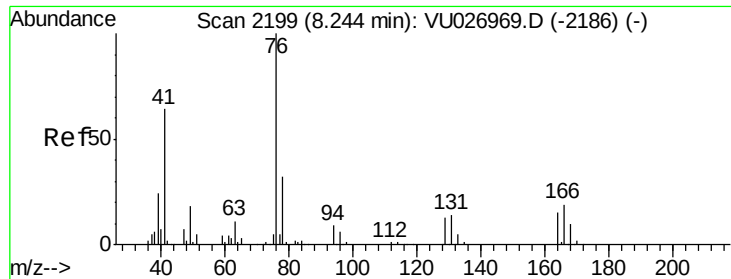
MMDadoda  
 10/2/2018 1:08:11 PM



#56  
 Ethyl methacrylate  
 Concen: 48.201 ug/l  
 RT: 8.02 min Scan# 2129  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 141016 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 73.3  | 59.0  | 88.4   |
| 39       | 34.6  | 30.2  | 45.4   |





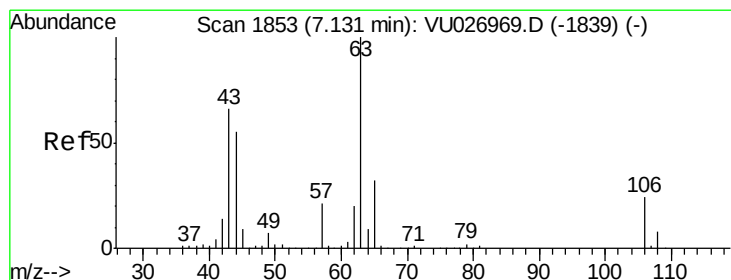
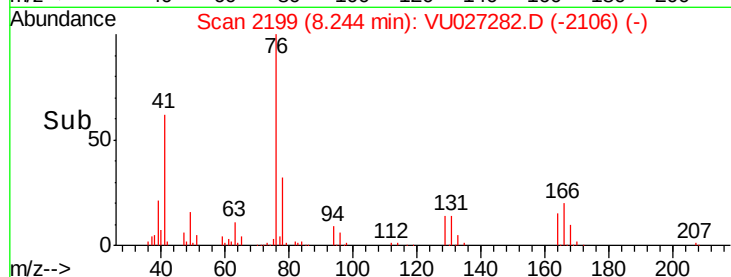
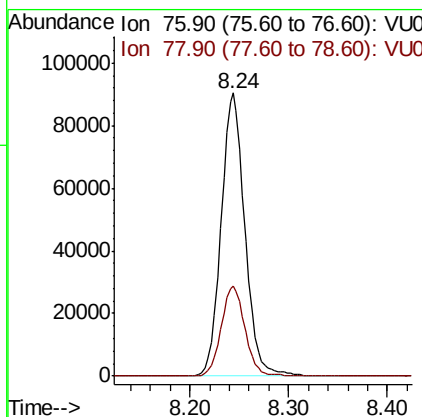
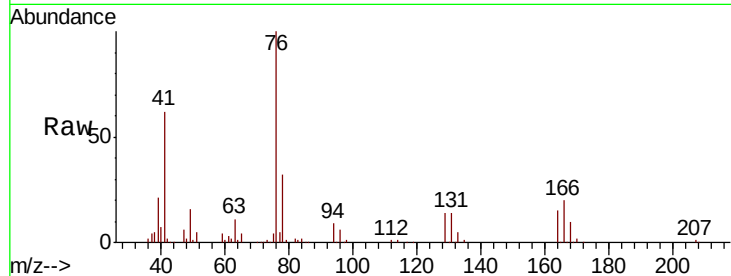
#57  
 1,3-Dichloropropane  
 Concen: 48.560 ug/l  
 RT: 8.24 min Scan# 2199  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.8  | 25.5  | 38.3  |

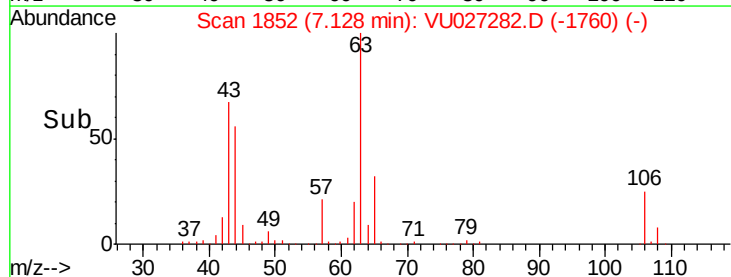
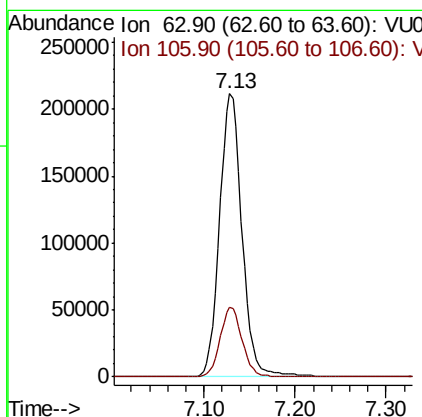
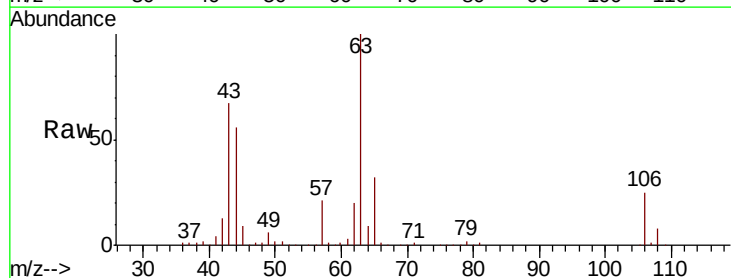
Manual Integrations  
 APPROVED

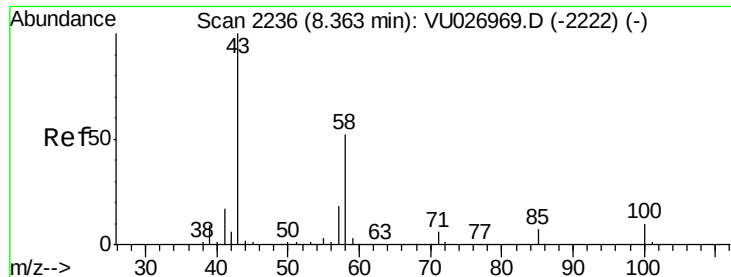
MMDadoda  
 10/2/2018 1:08:11 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 218.649 ug/l  
 RT: 7.13 min Scan# 1852  
 Delta R.T. -0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 24.3  | 18.7  | 28.1  |





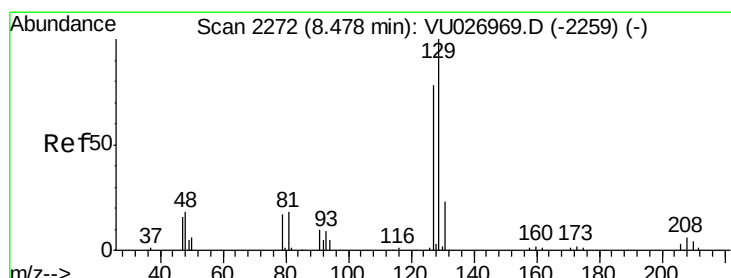
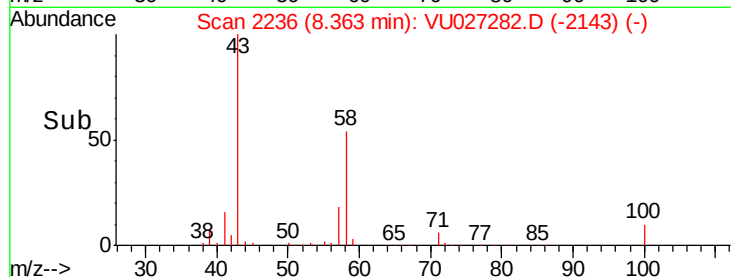
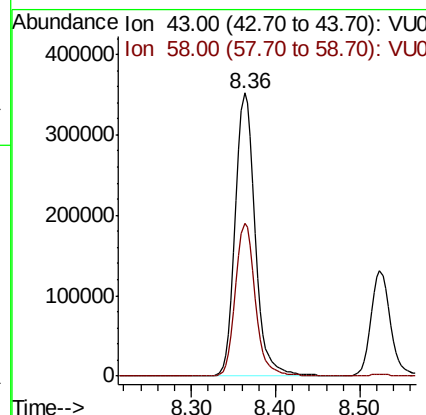
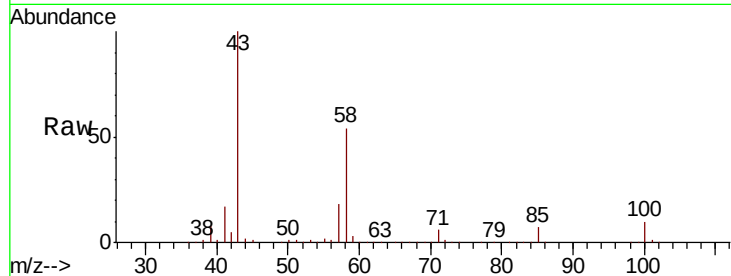
#59  
 2-Hexanone  
 Concen: 244.132 ug/l  
 RT: 8.36 min Scan# 2236  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 580450  
 Ion Ratio Lower Upper  
 43 100  
 58 53.9 26.1 78.2

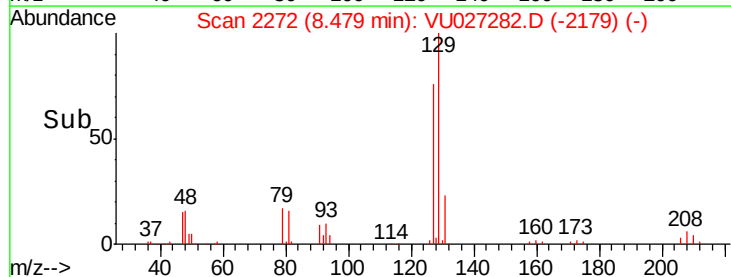
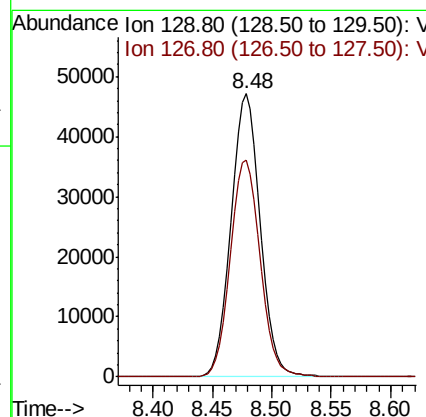
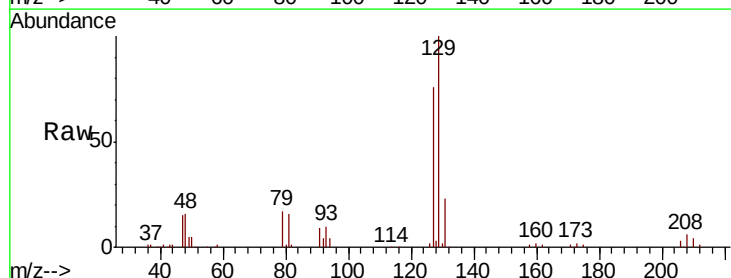
Manual Integrations  
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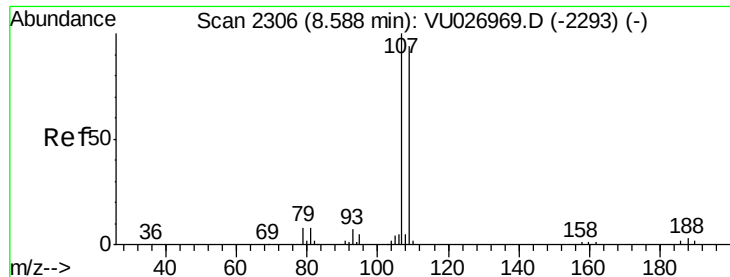
MMDadoda  
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#60  
 Dibromochloromethane  
 Concen: 48.515 ug/l  
 RT: 8.48 min Scan# 2272  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Tgt Ion: 129 Resp: 80376  
 Ion Ratio Lower Upper  
 129 100  
 127 78.2 38.1 114.5





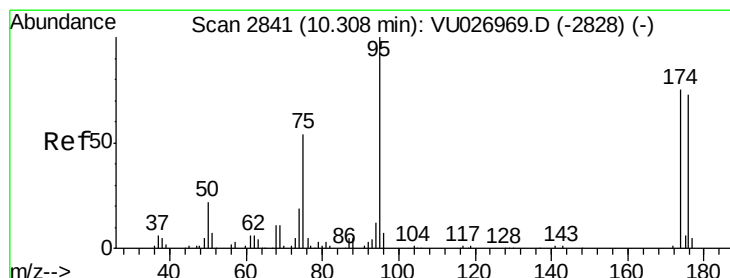
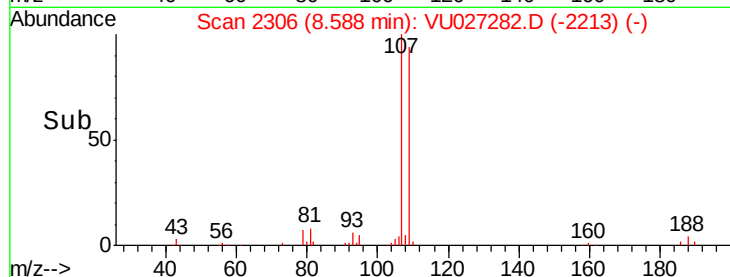
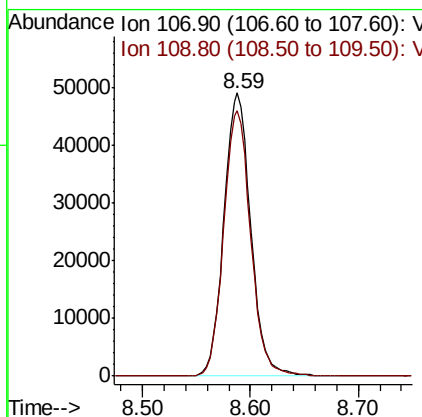
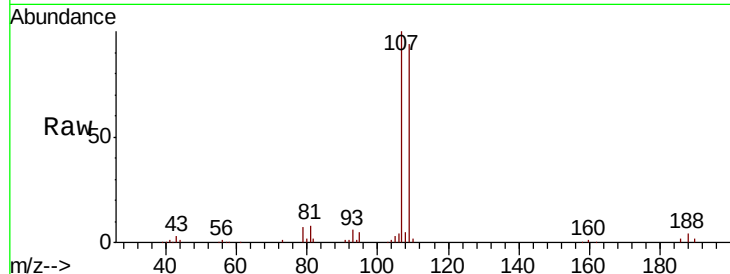
#61  
 1,2-Dibromoethane  
 Concen: 48.478 ug/l  
 RT: 8.59 min Scan# 2306  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   | 85193 |       |       |
| 109     | 94.4  | 75.0  | 112.6 |       |

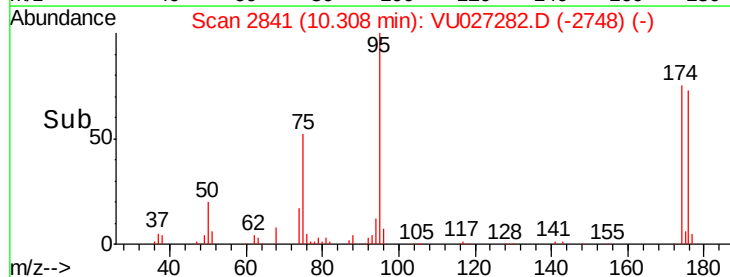
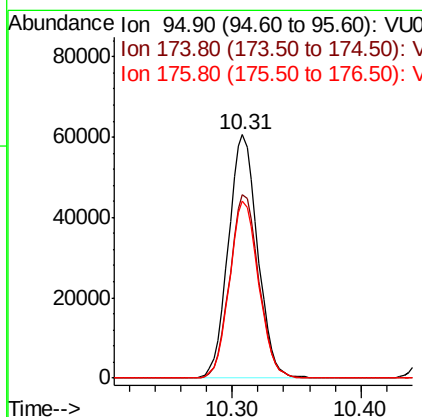
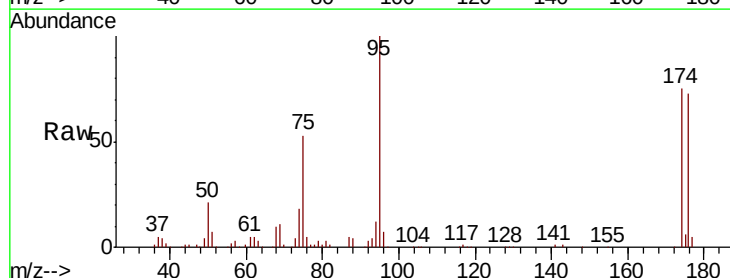
Manual Integrations  
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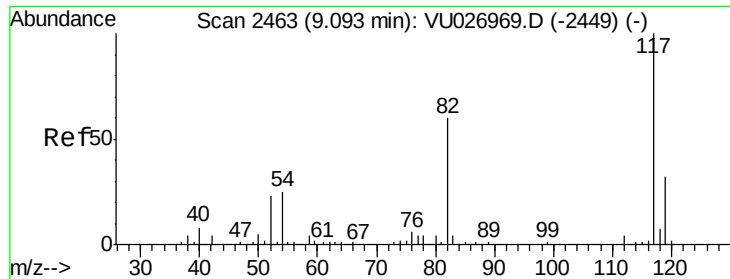
MMDadoda  
 10/2/2018 1:08:11 PM



#62  
 4-Bromofluorobenzene  
 Concen: 49.085 ug/l  
 RT: 10.31 min Scan# 2841  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 95      | 100   | 95363 |       |       |
| 174     | 75.1  | 0.0   | 150.2 |       |
| 176     | 72.7  | 0.0   | 145.2 |       |





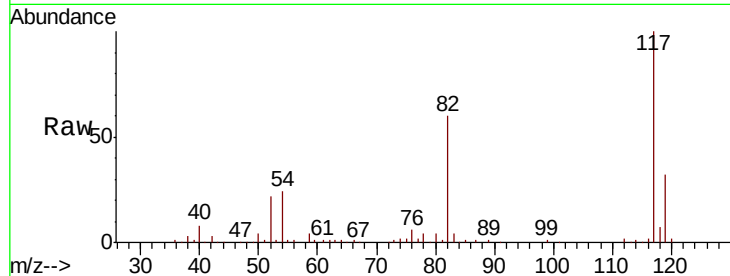
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 165910 |       |       |
| 82      | 59.9  | 48.0   | 72.0  |       |
| 119     | 32.2  | 25.8   | 38.8  |       |

Manual Integrations  
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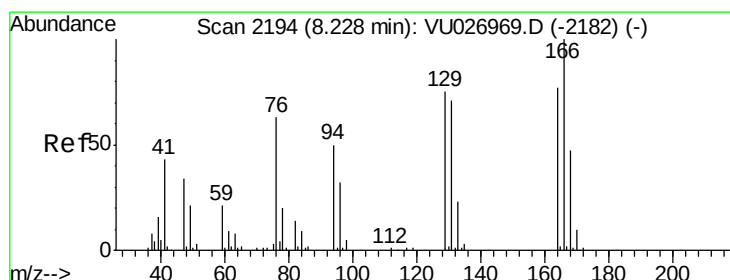
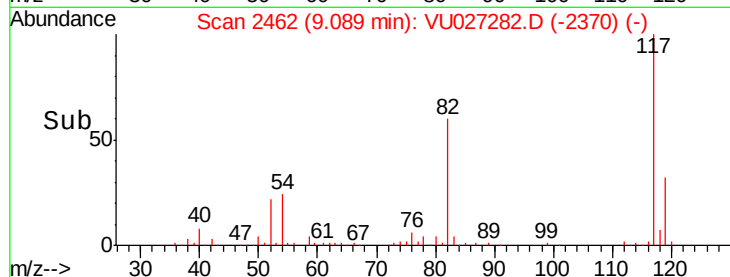
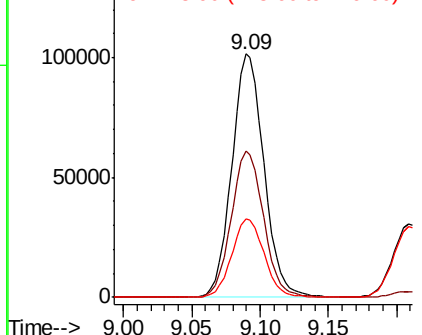


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 48.008 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 61376 |       |       |
| 166     | 129.5 | 104.4 | 156.6 |       |
| 129     | 95.8  | 78.7  | 118.1 |       |
| 131     | 91.3  | 73.9  | 110.9 |       |

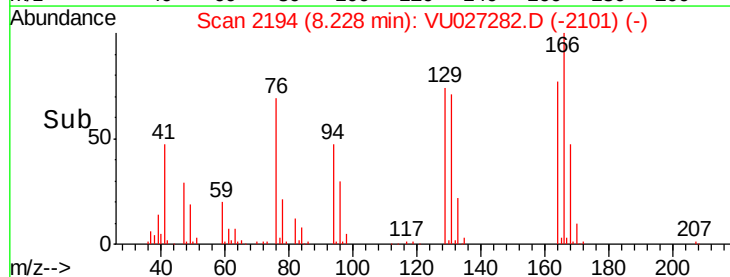
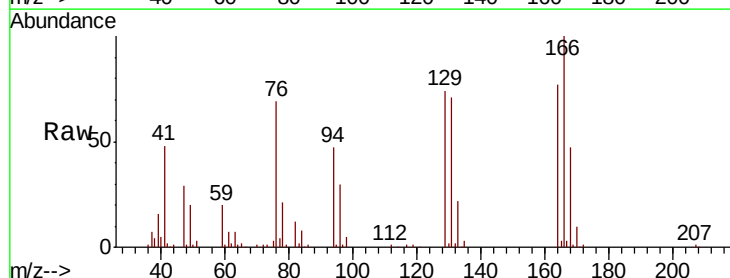
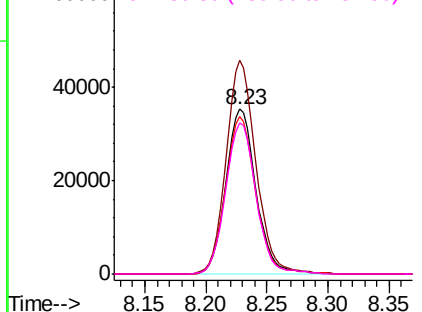
Abundance

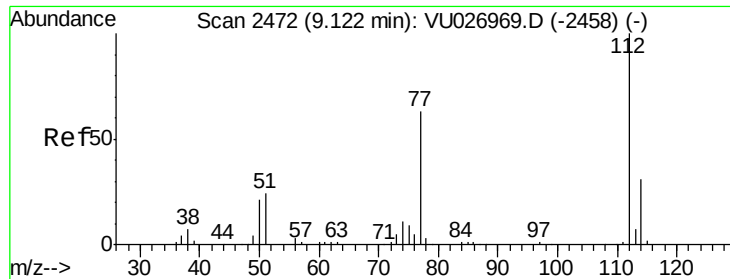
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





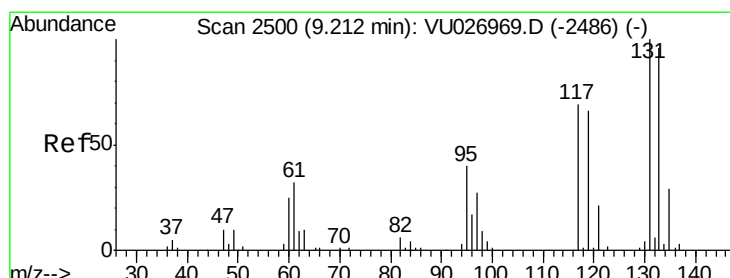
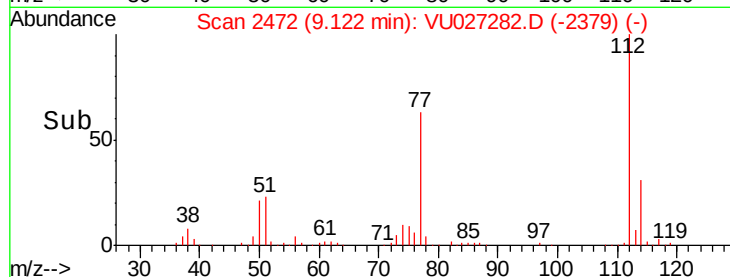
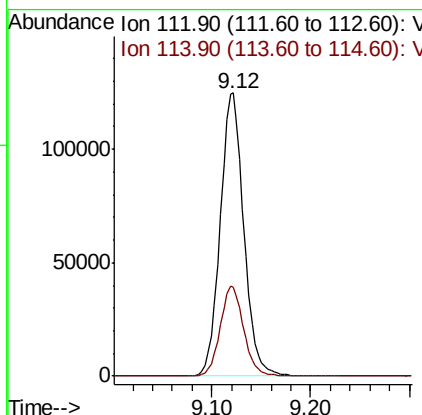
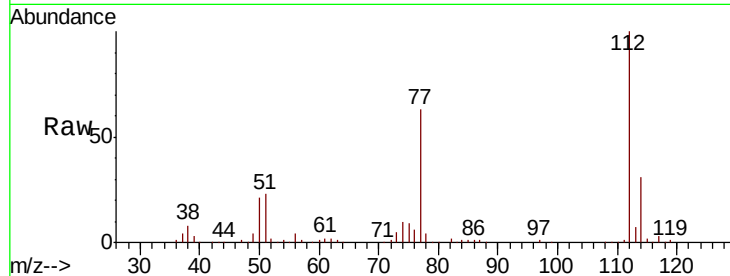
#65  
Chlorobenzene  
Concen: 47.578 ug/l  
RT: 9.12 min Scan# 2472  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 209300  
Ion Ratio Lower Upper  
112 100  
114 31.4 25.0 37.6

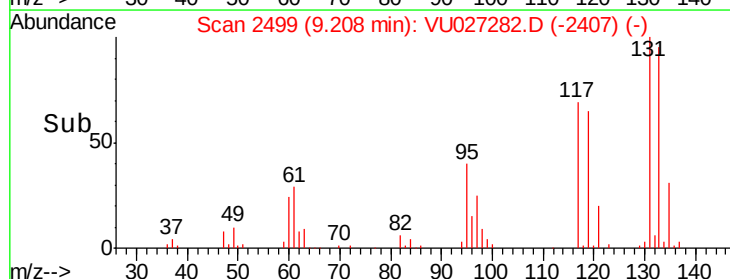
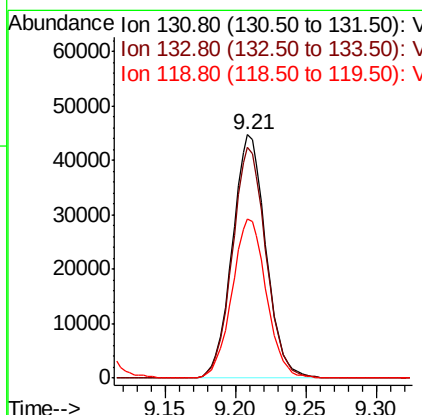
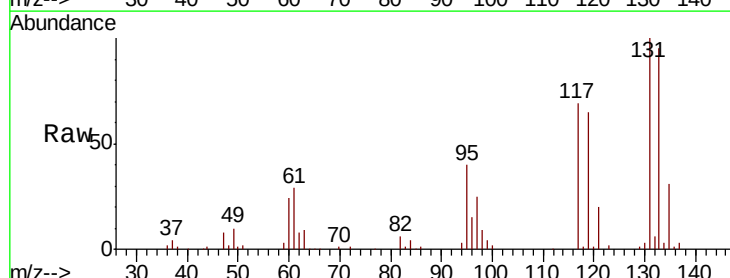
Manual Integrations  
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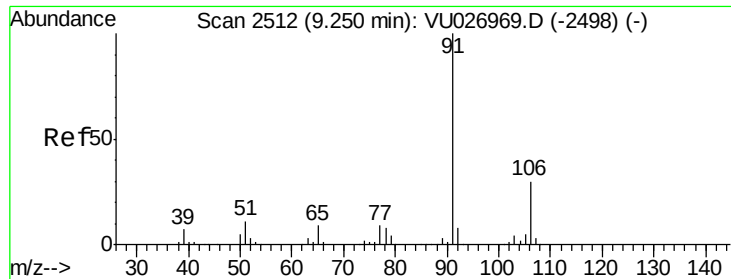
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.232 ug/l  
RT: 9.21 min Scan# 2499  
Delta R.T. -0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Tgt Ion:131 Resp: 74597  
Ion Ratio Lower Upper  
131 100  
133 94.9 48.0 144.2  
119 66.6 33.4 100.1





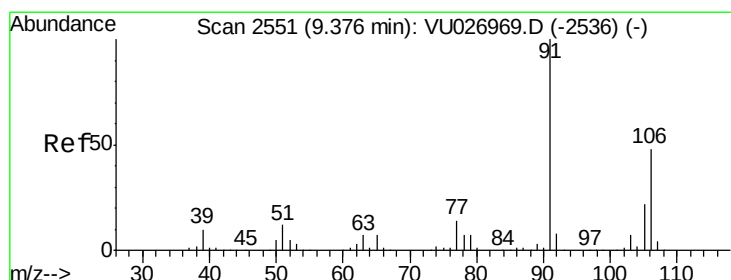
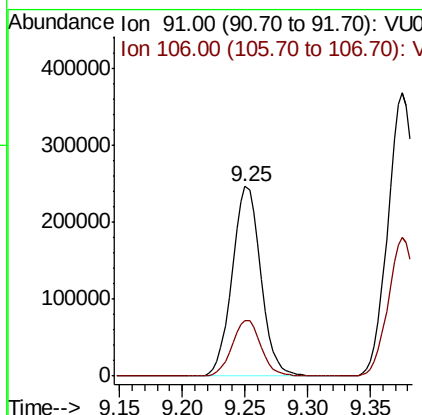
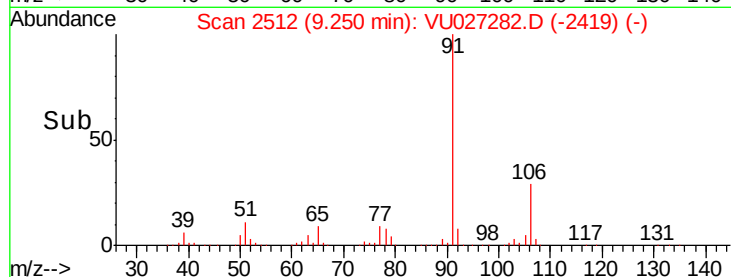
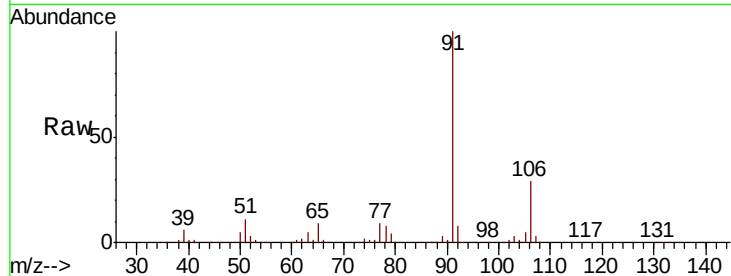
#67  
Ethyl Benzene  
Concen: 54.128 ug/l  
RT: 9.25 min Scan# 2512  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 391552  
Ion Ratio Lower Upper  
91 100  
106 29.5 23.8 35.8

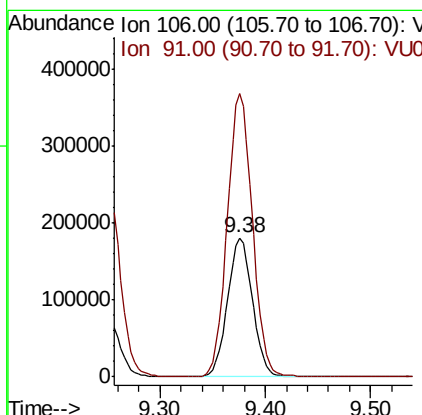
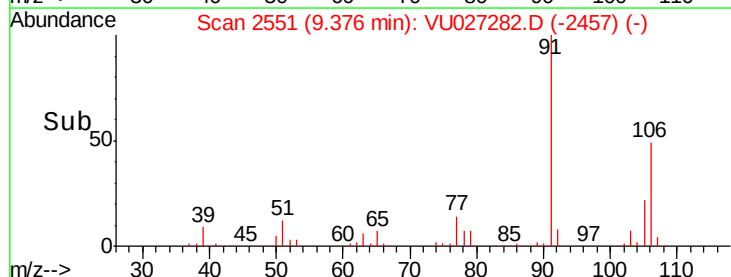
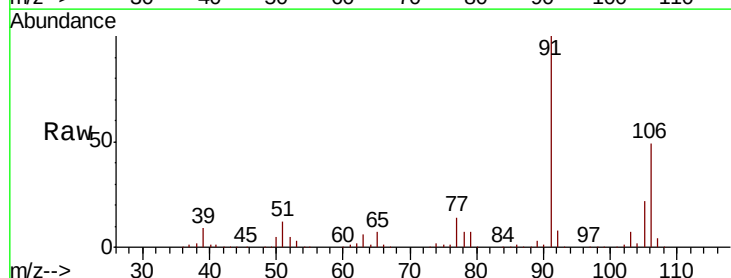
Manual Integrations  
APPROVED

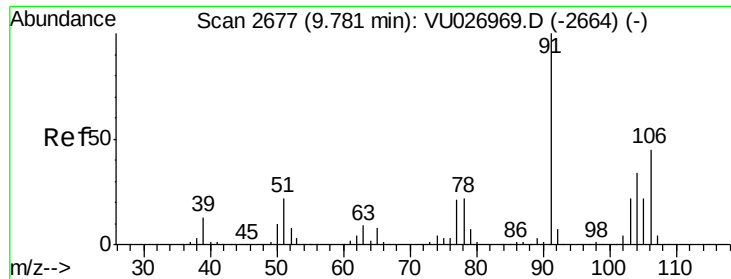
MMDadoda  
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#68  
m/p-Xylenes  
Concen: 100.847 ug/l  
RT: 9.38 min Scan# 2551  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Tgt Ion: 106 Resp: 295479  
Ion Ratio Lower Upper  
106 100  
91 205.3 166.5 249.7





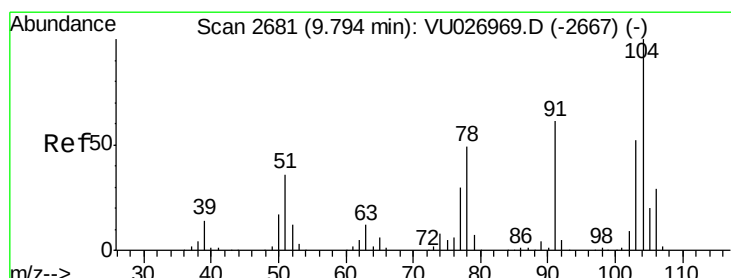
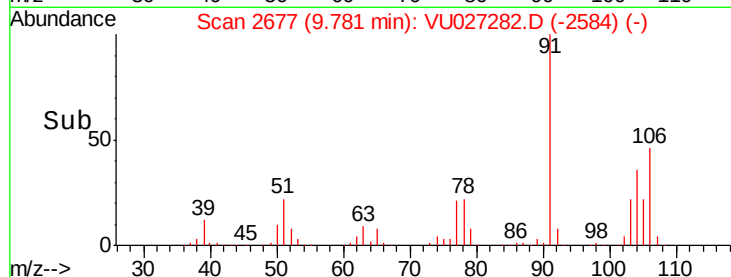
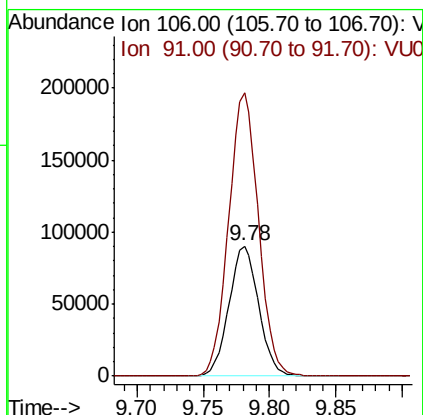
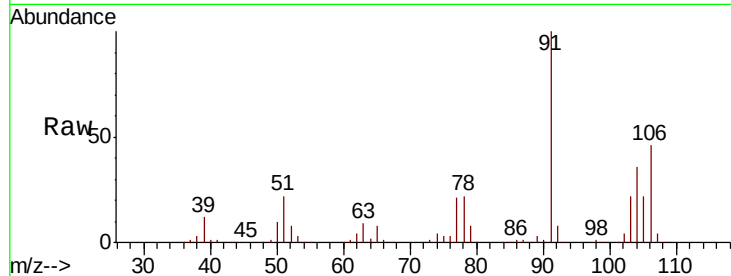
#69  
o-Xylene  
Concen: 54.775 ug/l  
RT: 9.78 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 140391 |       |       |
| 91      | 219.0 | 110.2 | 330.6  |       |       |

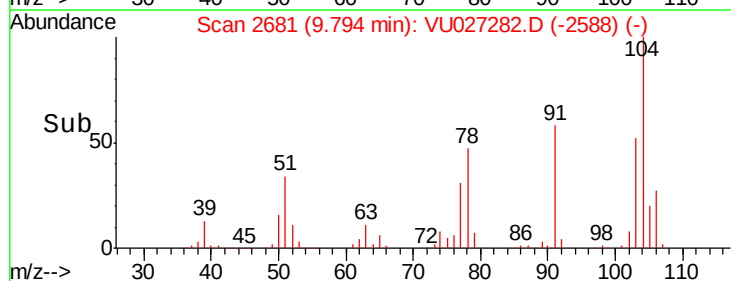
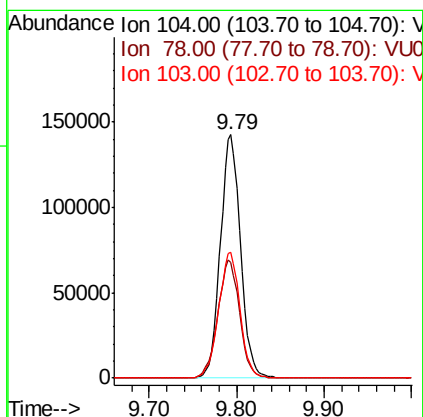
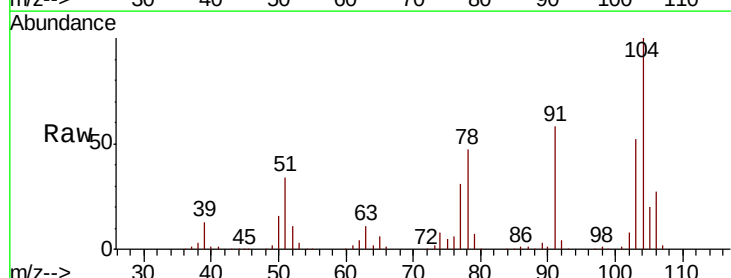
Manual Integrations  
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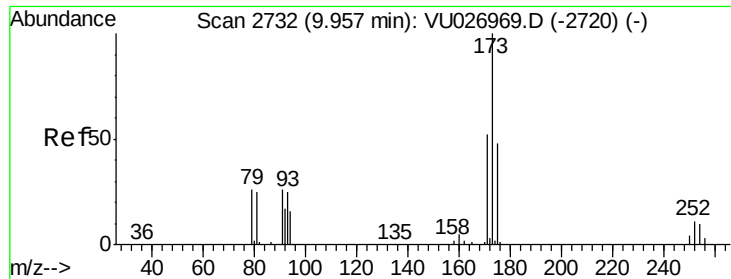


#70  
Styrene  
Concen: 47.721 ug/l  
RT: 9.79 min Scan# 2681  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 227968 |       |       |
| 78      | 52.4 | 43.0  | 64.4   |       |       |
| 103     | 54.7 | 44.1  | 66.1   |       |       |







#71

Bromoform

Concen: 51.801 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

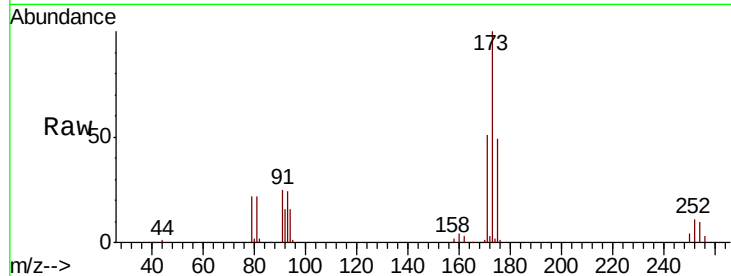
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 60696 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.8  | 23.9  | 71.8  |
| 254       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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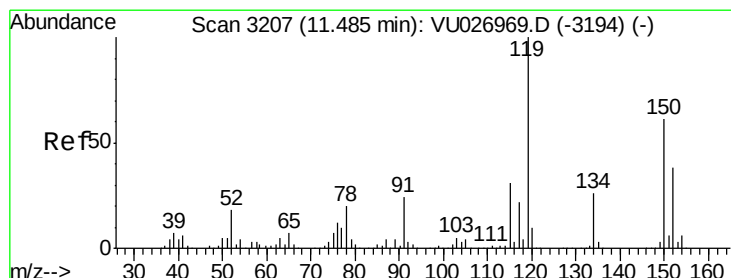
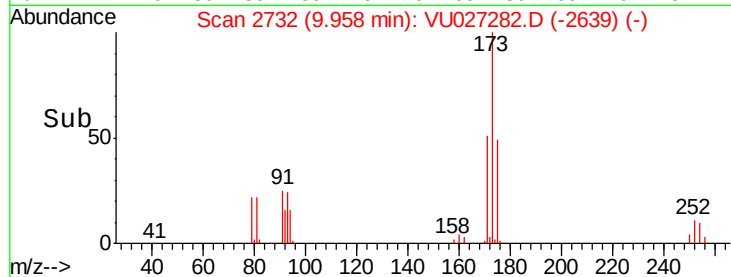
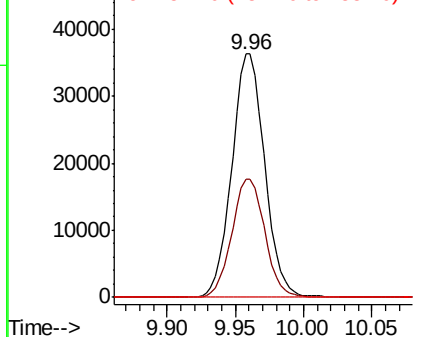


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

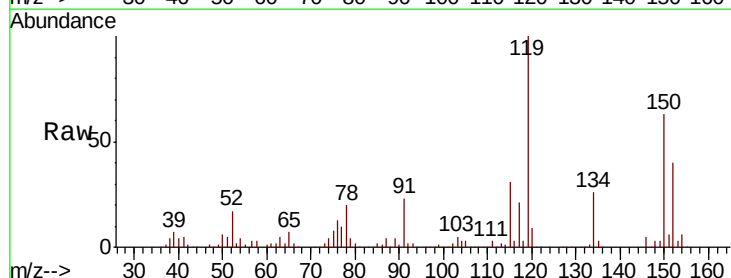
RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 90633 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 85.8  | 44.9  | 134.5 |
| 150       | 176.0 | 0.0   | 355.8 |

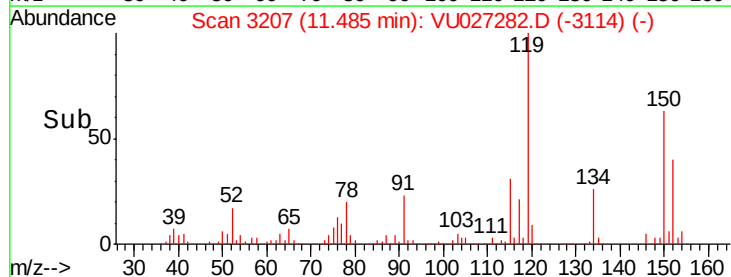
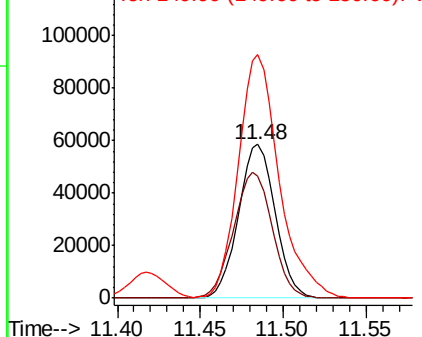


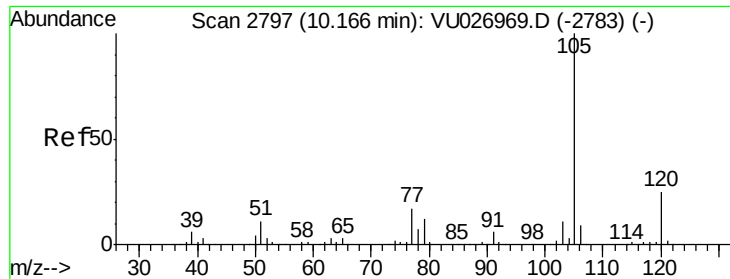
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.936 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 371853

Ion Ratio Lower Upper

105 100

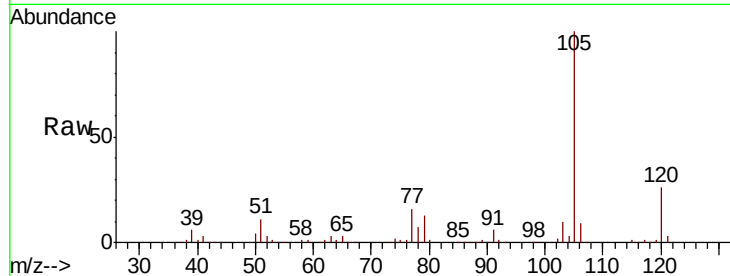
120 25.5 12.8 38.4

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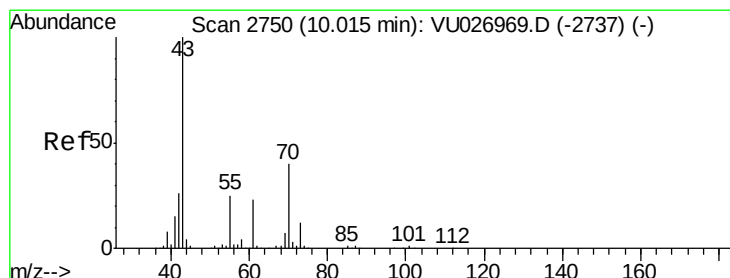
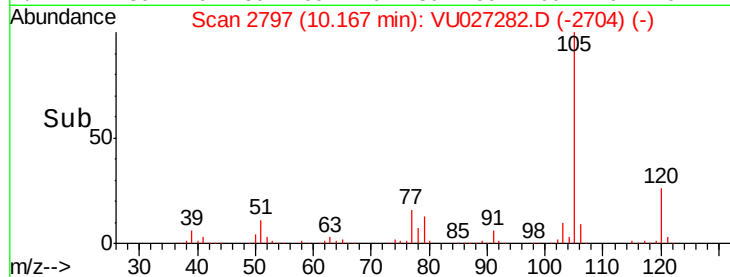
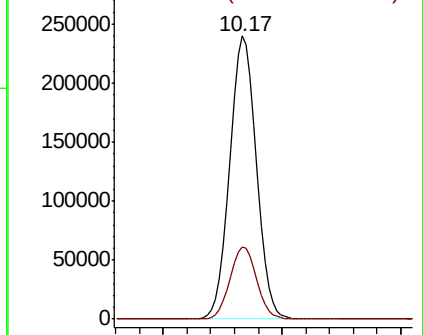
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.559 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Tgt Ion: 43 Resp: 209749

Ion Ratio Lower Upper

43 100

70 40.0 31.8 47.8

55 23.3 19.9 29.9

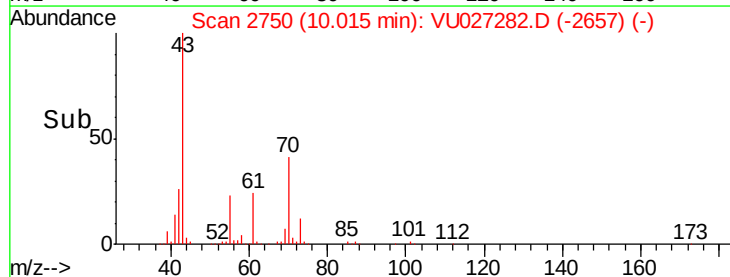
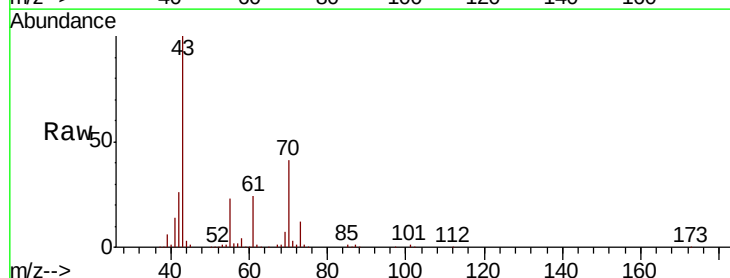
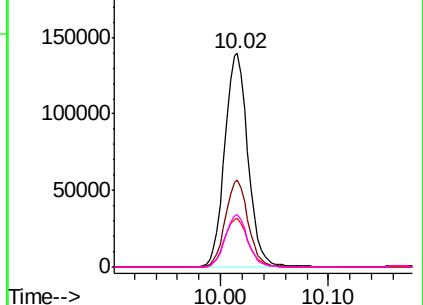
61 23.8 18.4 27.6

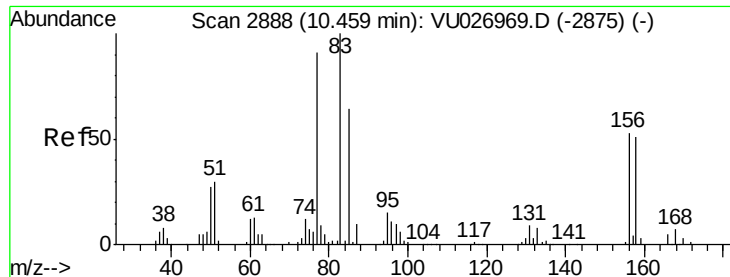
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 43.605 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

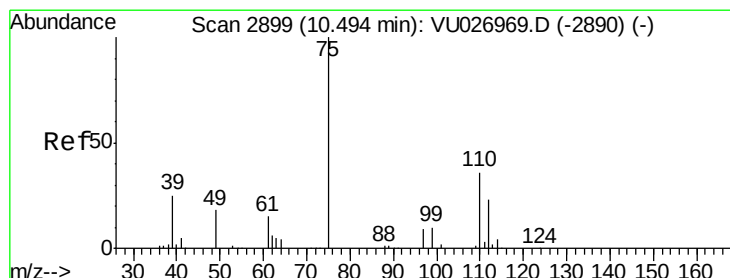
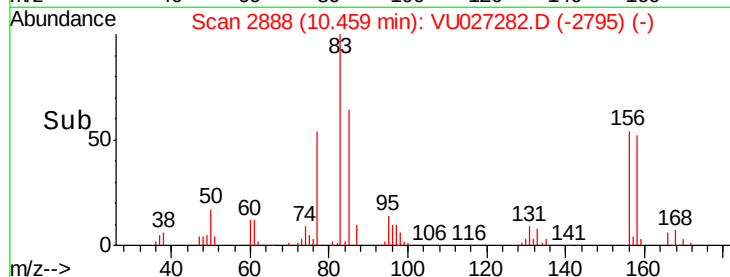
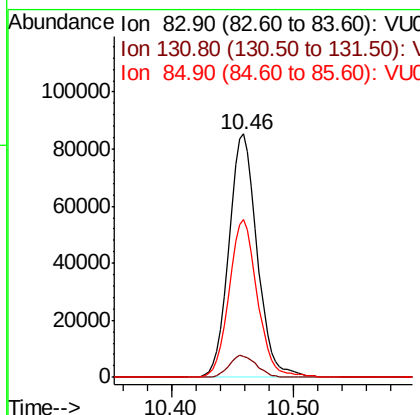
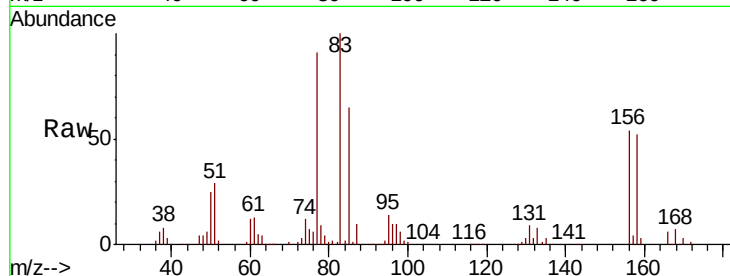
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 138221 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 8.9   | 4.3   | 12.8   |
| 85        | 64.9  | 31.9  | 95.7   |

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#76

1,2,3-Trichloropropane

Concen: 43.823 ug/l m

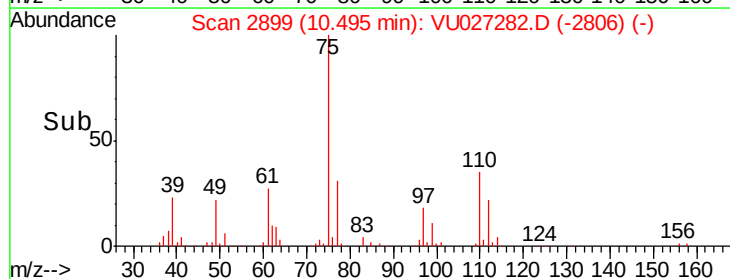
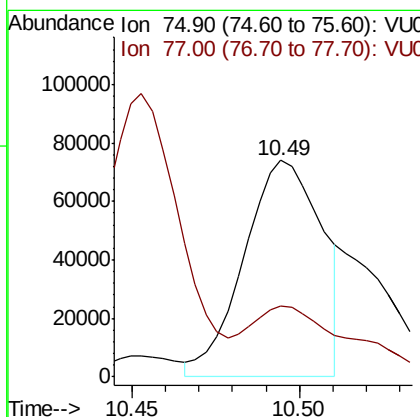
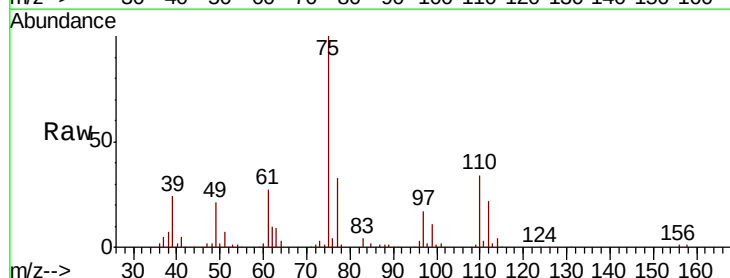
RT: 10.49 min Scan# 2899

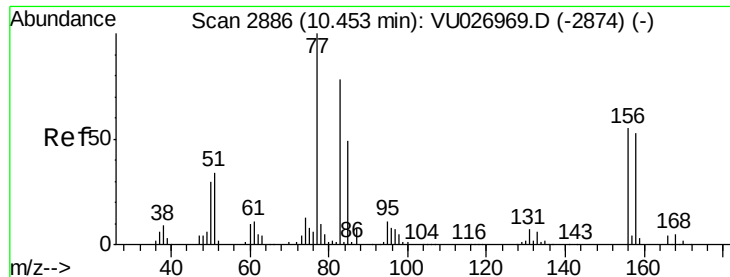
Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 120662 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 43.8  | 20.9  | 62.8   |





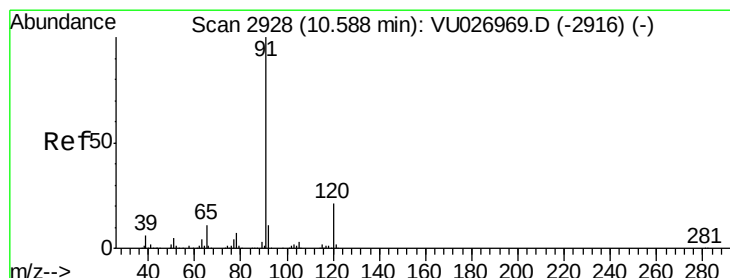
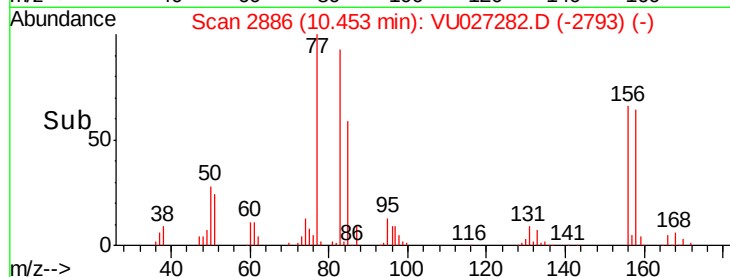
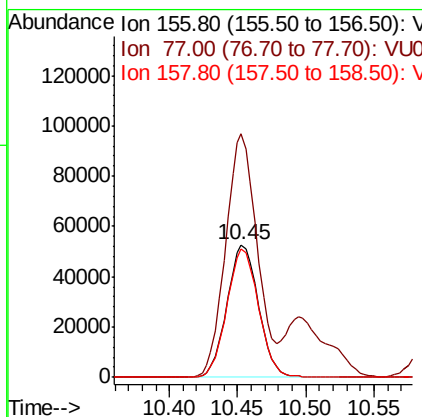
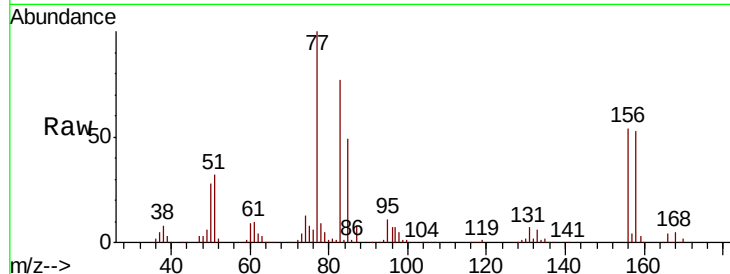
#77  
Bromobenzene  
Concen: 50.247 ug/l  
RT: 10.45 min Scan# 2886  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 183.8 | 92.3  | 276.9 |
| 158     | 97.4  | 48.1  | 144.3 |

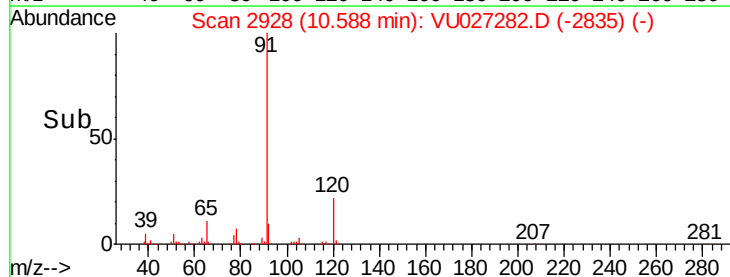
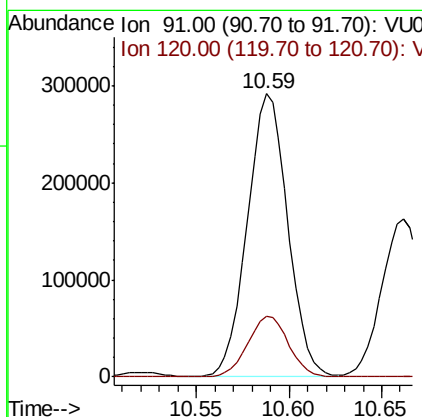
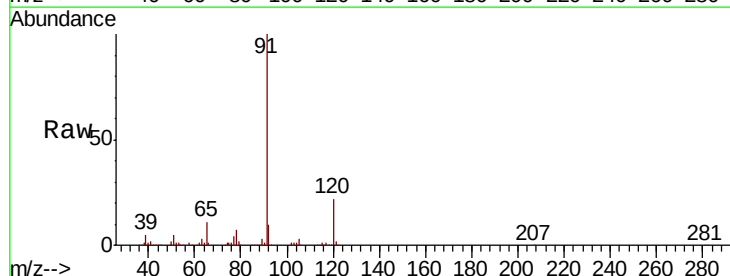
Manual Integrations  
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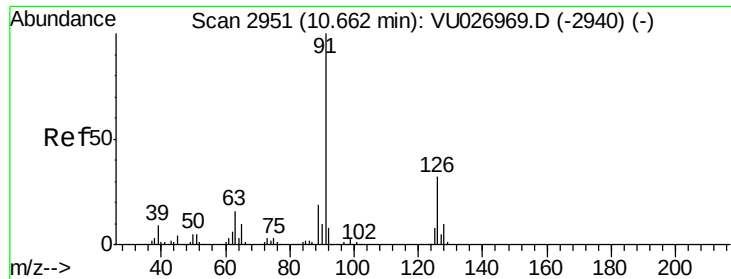
MMDadoda  
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#78  
n-propylbenzene  
Concen: 54.275 ug/l  
RT: 10.59 min Scan# 2928  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 21.6  | 10.6  | 31.8  |





#79

2-Chlorotoluene

Concen: 50.454 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 258526

Ion Ratio Lower Upper

91 100

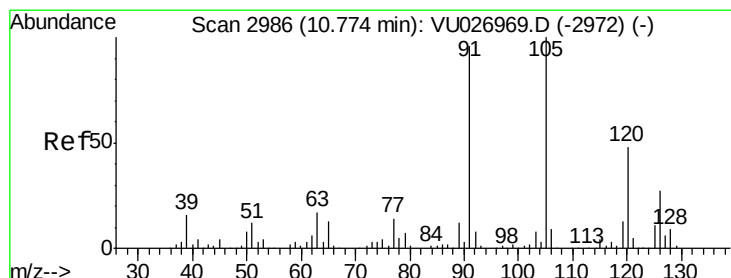
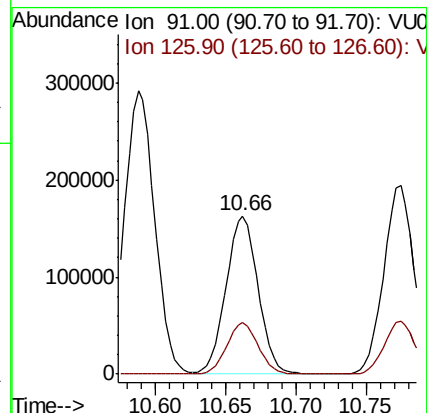
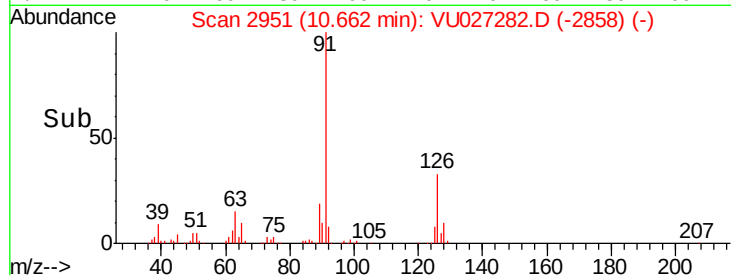
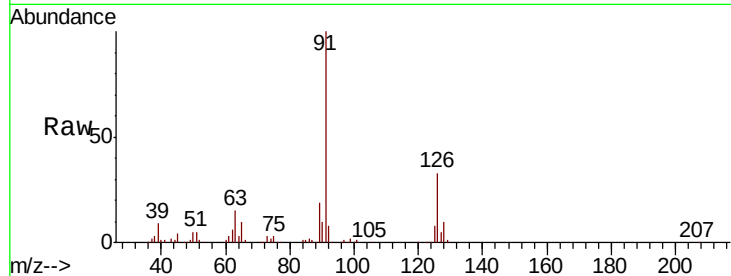
126 32.1 15.8 47.3

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#80

1,3,5-Trimethylbenzene

Concen: 53.559 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027282.D

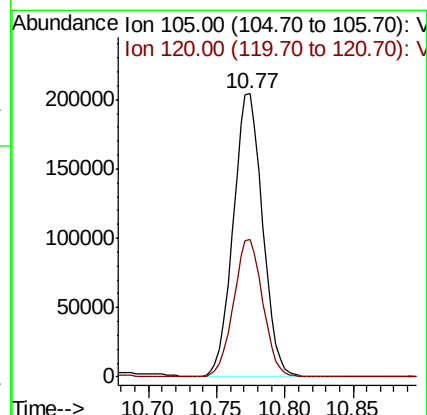
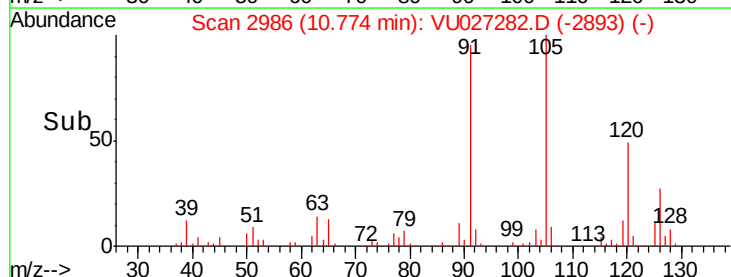
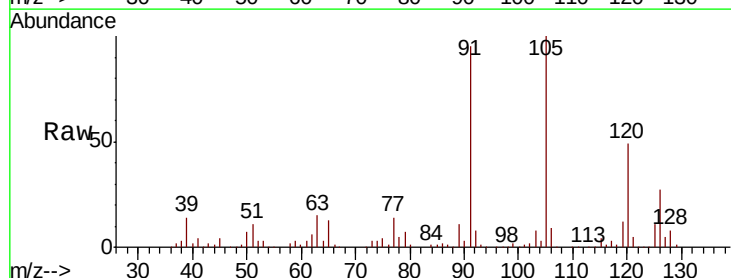
Acq: 28 Sep 2018 19:21

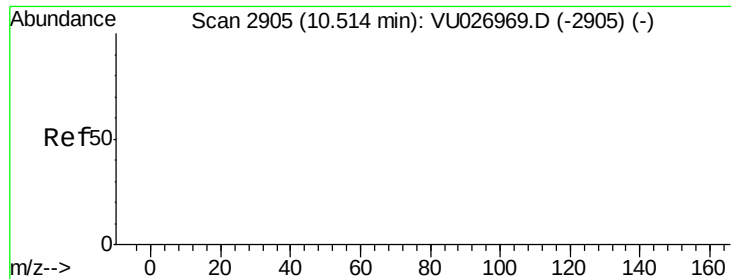
Tgt Ion: 105 Resp: 304813

Ion Ratio Lower Upper

105 100

120 48.4 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 44.575 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

Instrument :

MSVOA\_U

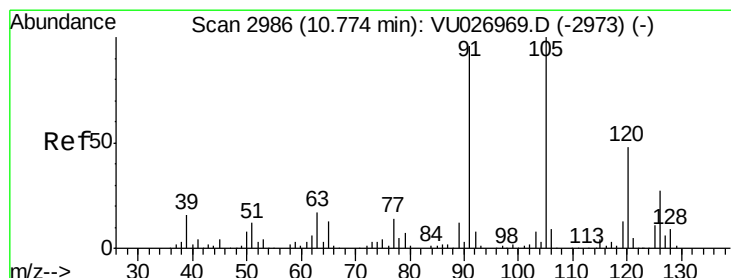
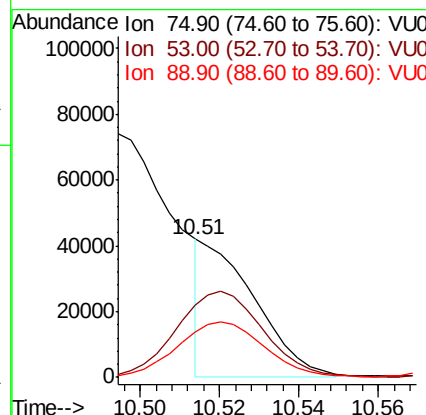
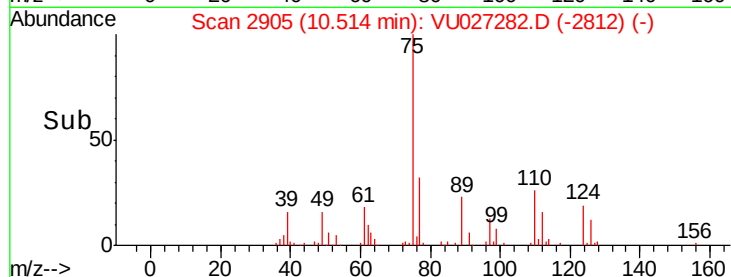
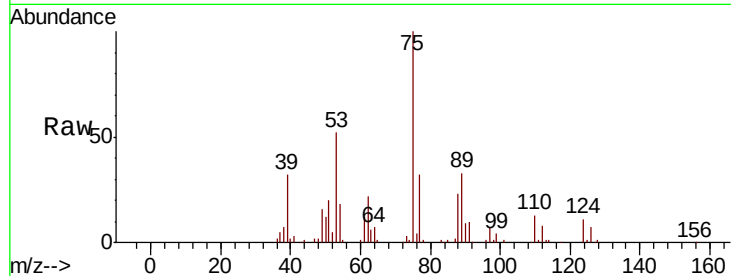
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 38352 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 0.0   | 0.0   | 0.0   |
| 89        | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 51.335 ug/l

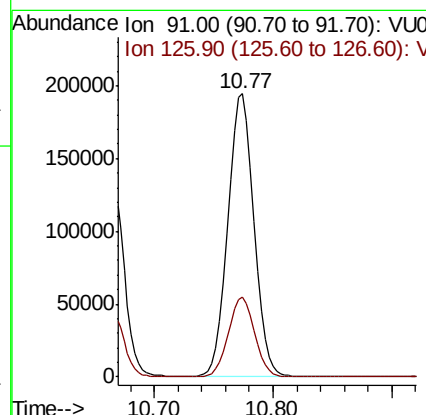
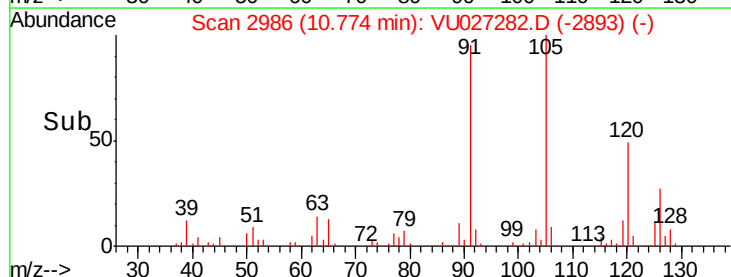
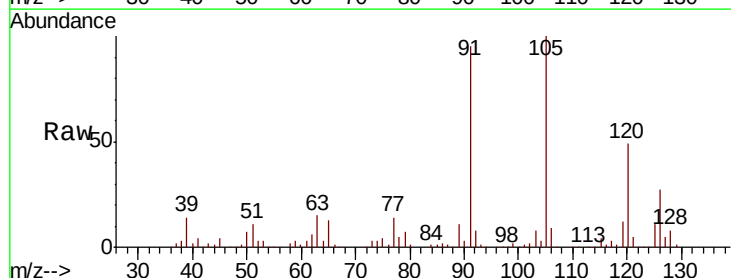
RT: 10.77 min Scan# 2986

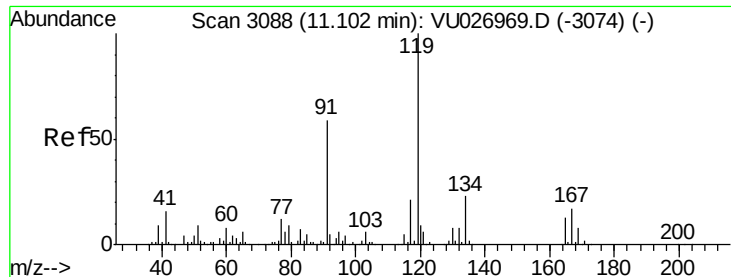
Delta R.T. 0.00 min

Lab File: VU027282.D

Acq: 28 Sep 2018 19:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 294947 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 28.4  | 14.1  | 42.2   |





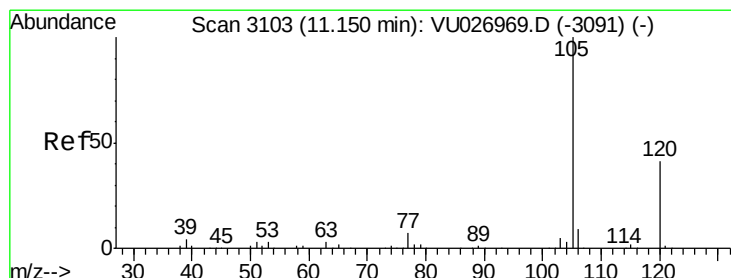
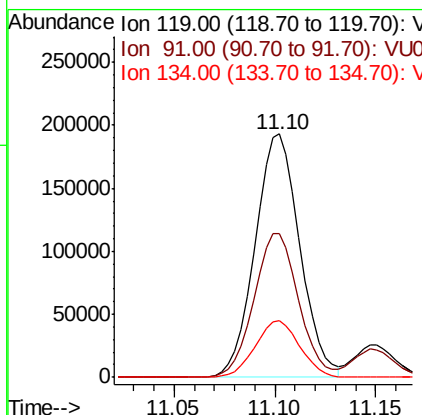
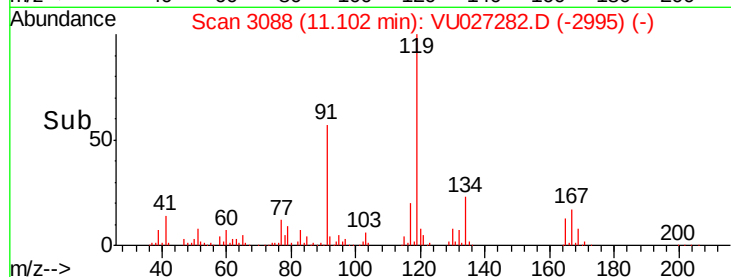
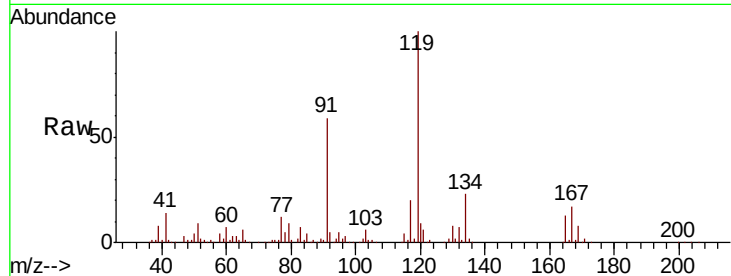
#83  
 tert-Butylbenzene  
 Concen: 53.094 ug/l  
 RT: 11.10 min Scan# 3088  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 298740 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 58.9  | 29.8  | 89.4   |
| 134       | 23.3  | 11.5  | 34.4   |

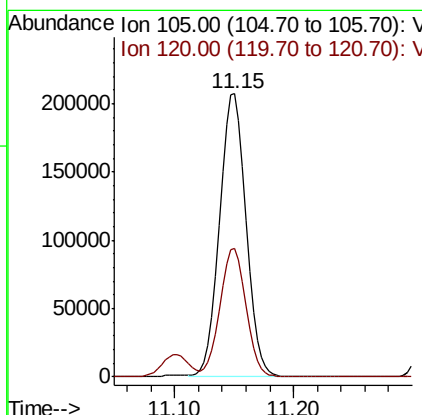
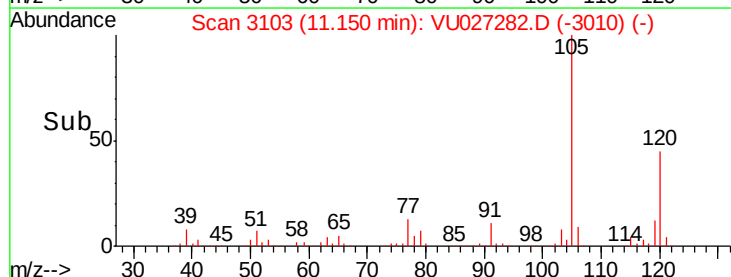
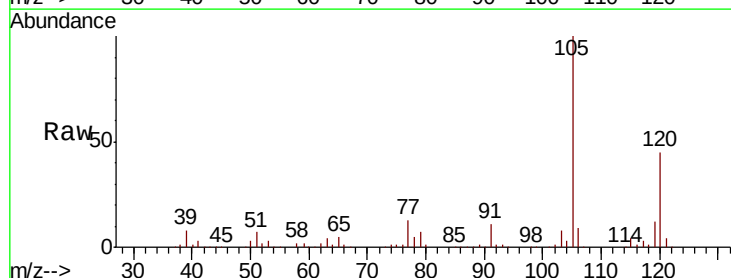
Manual Integrations  
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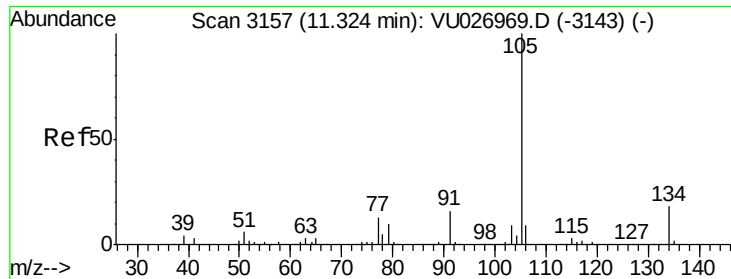
MMDadoda  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 55.208 ug/l  
 RT: 11.15 min Scan# 3103  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 319753 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 44.8  | 22.4  | 67.2   |





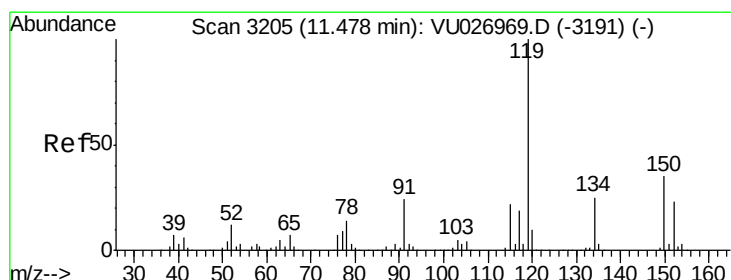
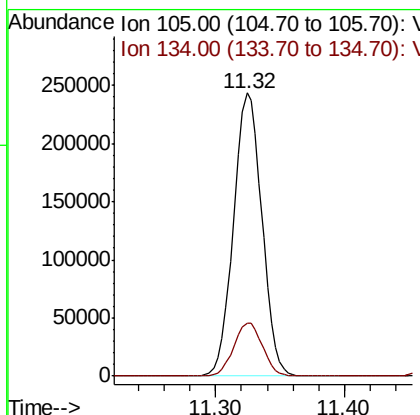
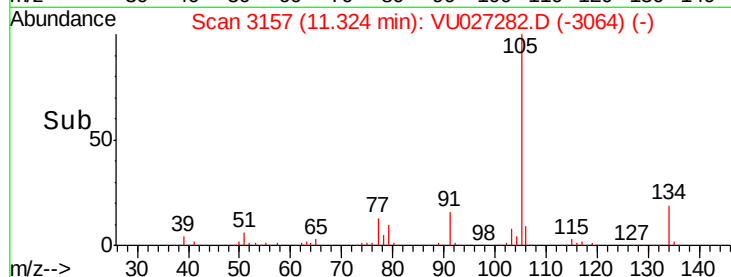
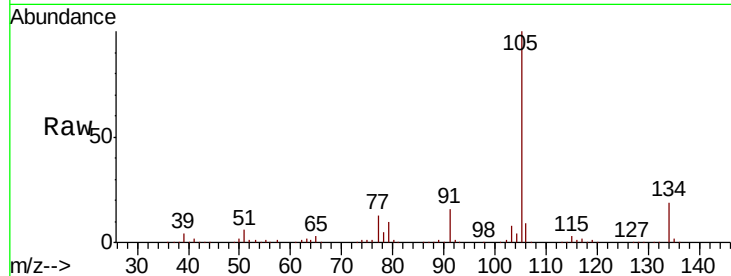
#85  
 sec-Butylbenzene  
 Concen: 54.148 ug/l  
 RT: 11.32 min Scan# 3157  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.0  | 9.4   | 28.2  |

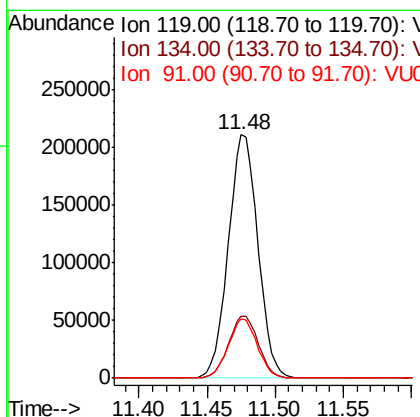
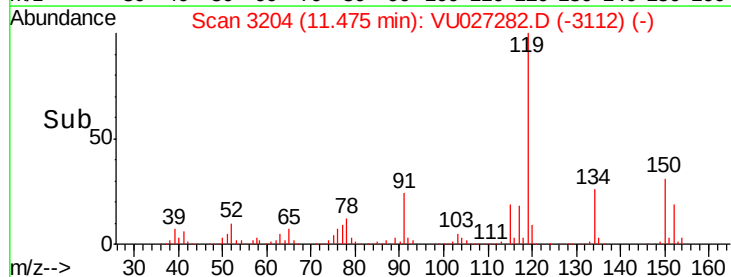
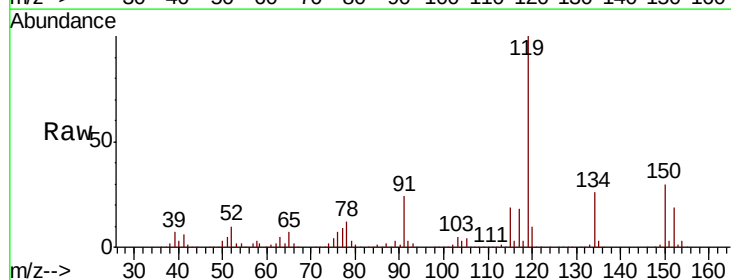
Manual Integrations  
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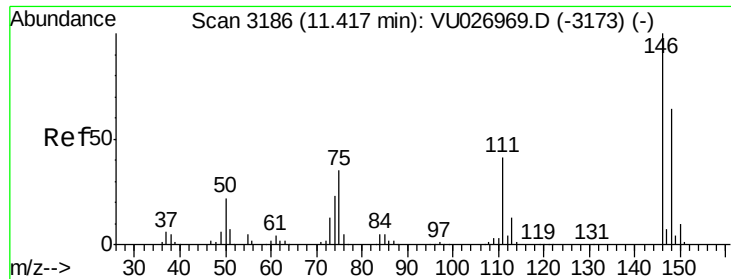


#86  
 p-Isopropyltoluene  
 Concen: 49.222 ug/l  
 RT: 11.48 min Scan# 3204  
 Delta R.T. -0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.6  | 12.8  | 38.3  |
| 91      | 23.9  | 12.3  | 36.8  |







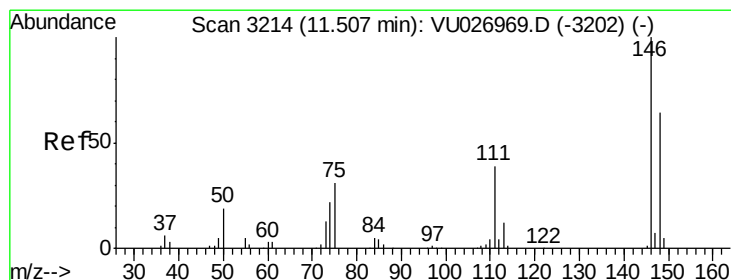
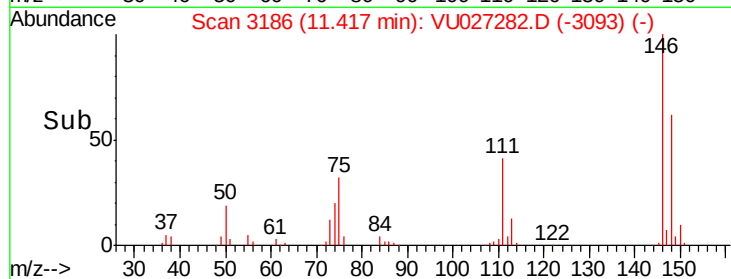
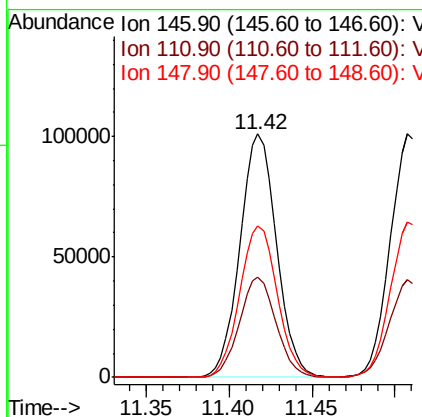
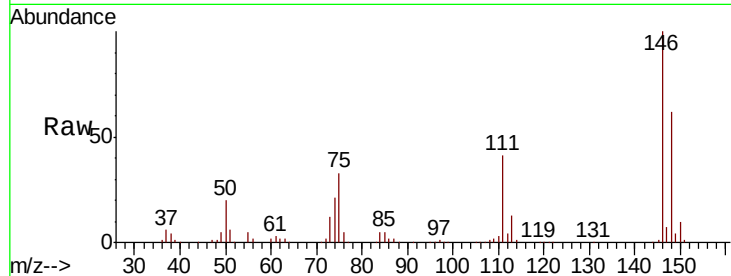
#87  
 1,3-Dichlorobenzene  
 Concen: 49.535 ug/l  
 RT: 11.42 min Scan# 3186  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 20.8  | 62.2  |
| 148     | 64.0  | 32.0  | 96.2  |

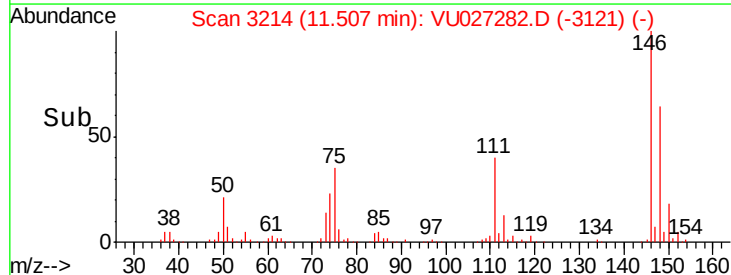
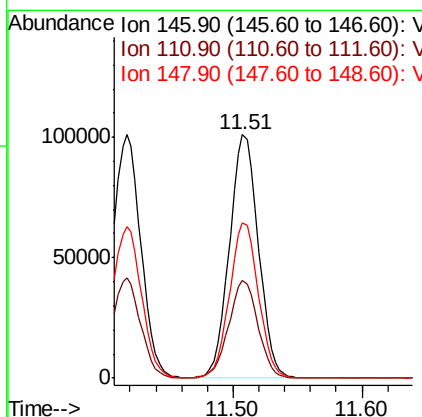
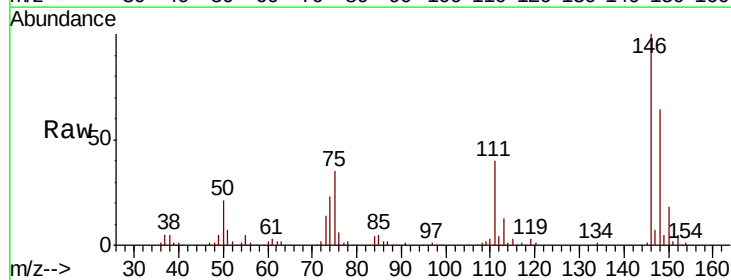
Manual Integrations  
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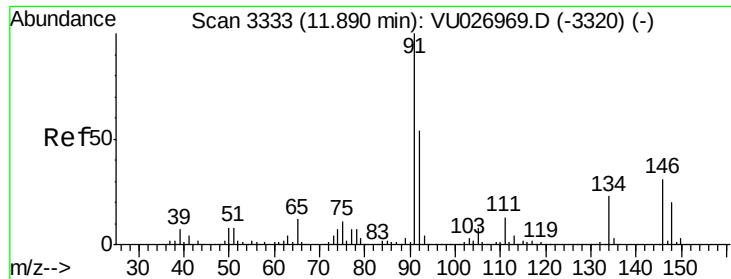
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#88  
 1,4-Dichlorobenzene  
 Concen: 46.164 ug/l  
 RT: 11.51 min Scan# 3214  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 20.3  | 60.9  |
| 148     | 63.6  | 31.9  | 95.9  |





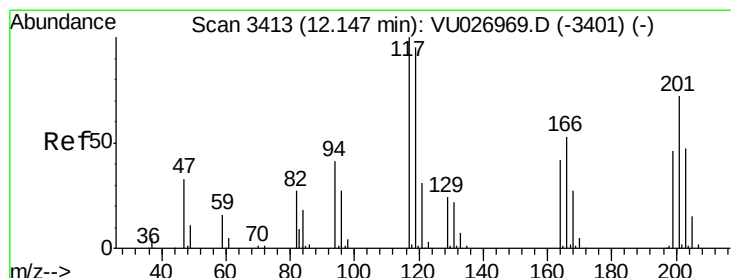
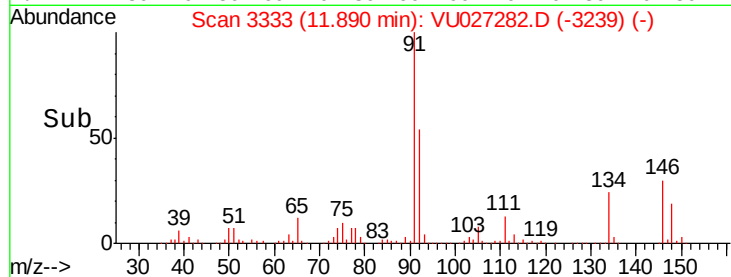
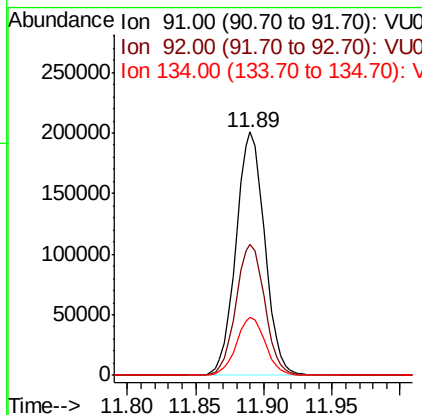
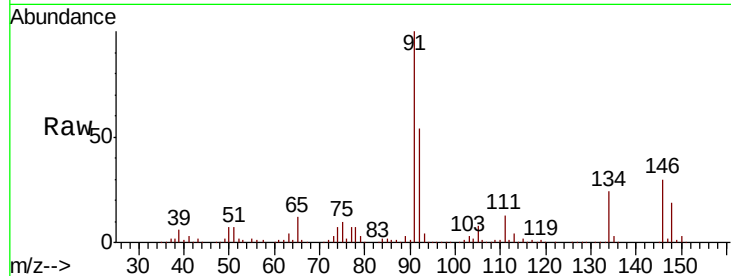
#89  
n-Butylbenzene  
Concen: 47.138 ug/l  
RT: 11.89 min Scan# 3333  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 293594 |       |       |
| 92      | 54.0  |        | 27.1  | 81.2  |
| 134     | 23.9  |        | 11.7  | 35.0  |

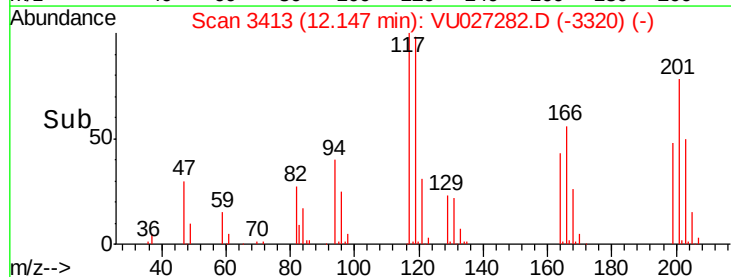
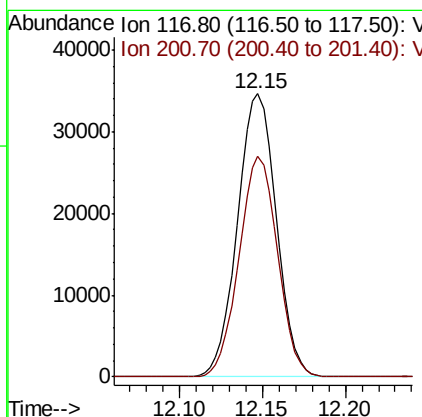
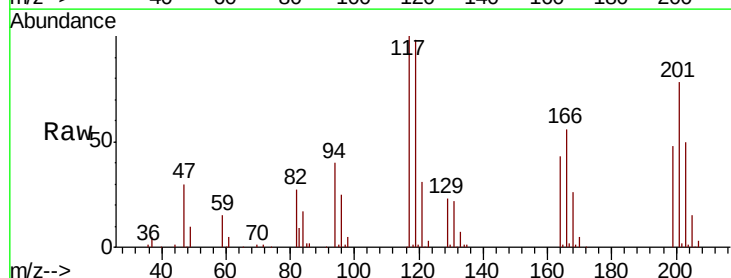
Manual Integrations  
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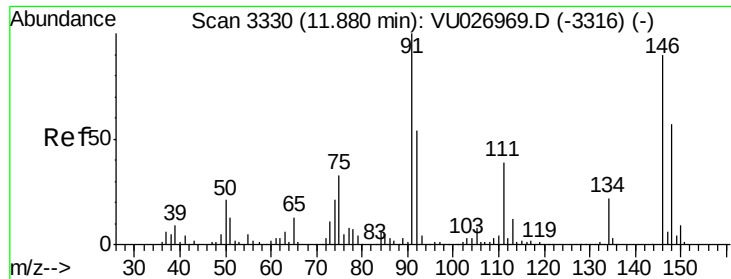
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#90  
Hexachloroethane  
Concen: 45.355 ug/l  
RT: 12.15 min Scan# 3413  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 56648 |       |       |
| 201     | 77.1  |       | 36.8  | 110.3 |





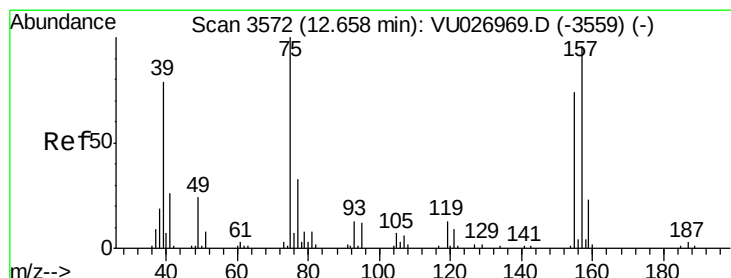
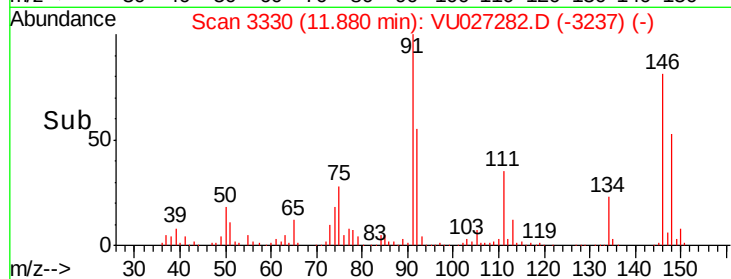
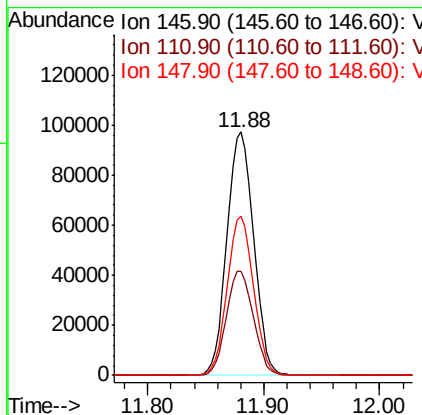
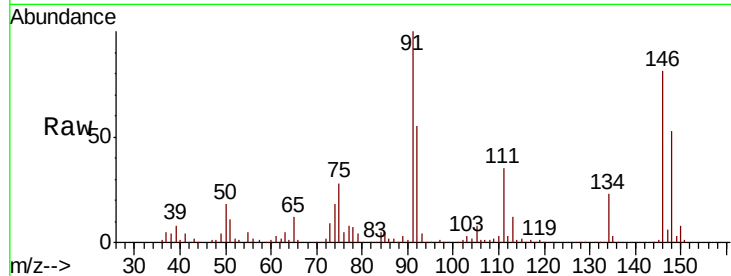
#91  
 1,2-Dichlorobenzene  
 Concen: 46.497 ug/l  
 RT: 11.88 min Scan# 3330  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.1  | 21.8  | 65.3  |
| 148     | 64.1  | 31.9  | 95.7  |

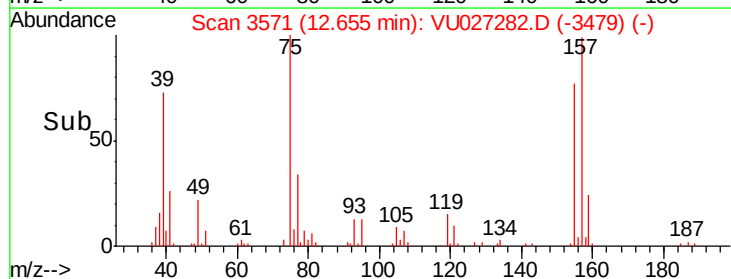
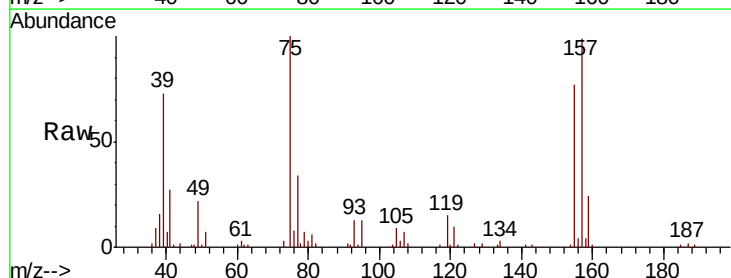
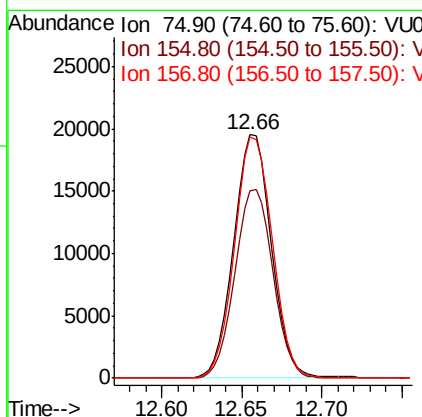
Manual Integrations  
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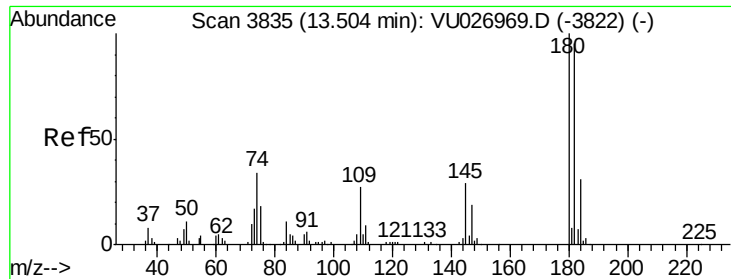
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.500 ug/l  
 RT: 12.66 min Scan# 3571  
 Delta R.T. -0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.0  | 36.6  | 109.8 |
| 157     | 99.0  | 47.4  | 142.2 |





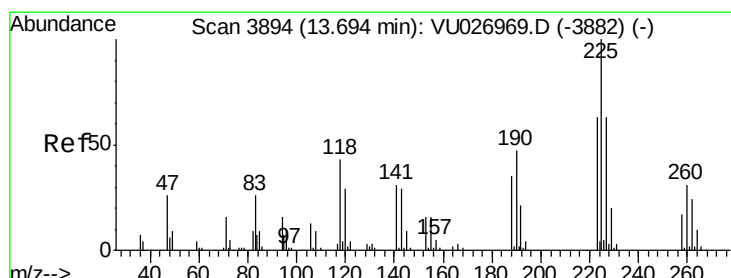
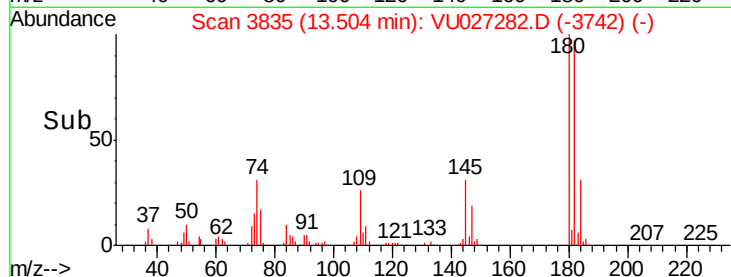
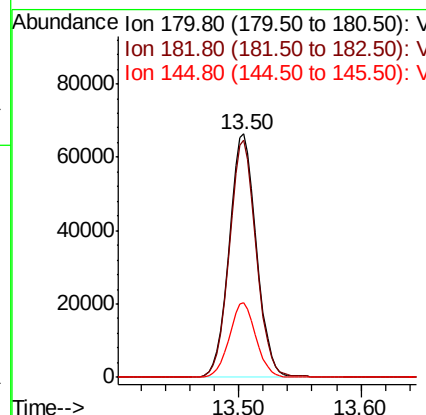
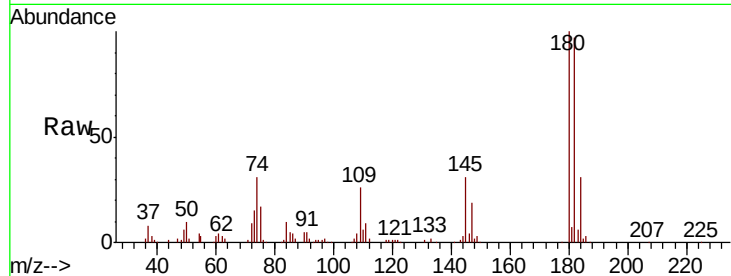
#93  
 1,2,4-Trichlorobenzene  
 Concen: 54.114 ug/l  
 RT: 13.50 min Scan# 3835  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 96.2  | 47.4 | 142.2 |       |
| 145     | 30.0  | 14.9 | 44.5  |       |

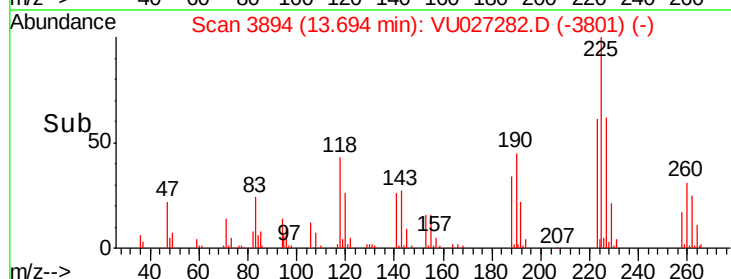
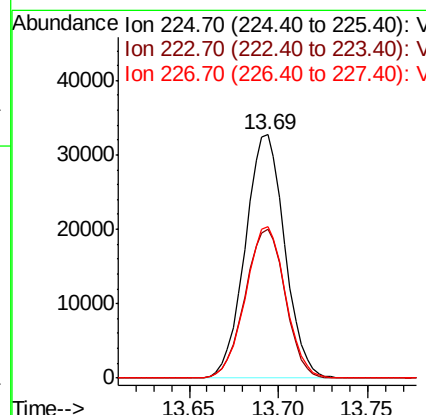
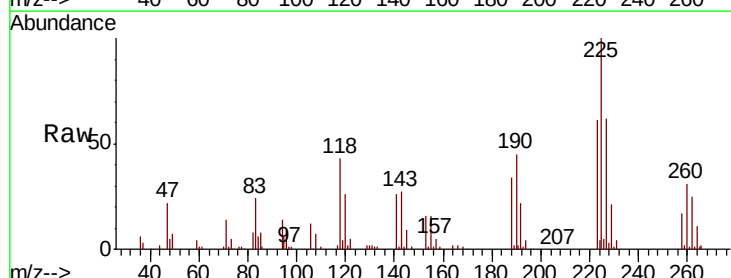
Manual Integrations  
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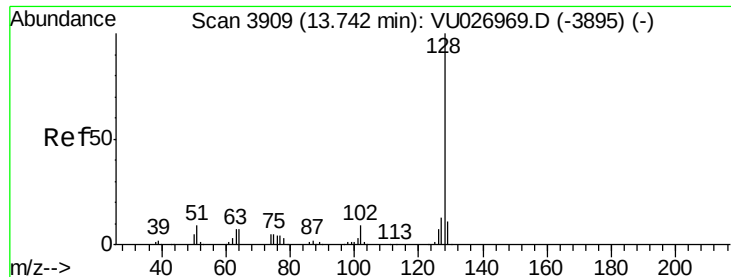
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#94  
 Hexachlorobutadiene  
 Concen: 49.668 ug/l  
 RT: 13.69 min Scan# 3894  
 Delta R.T. 0.00 min  
 Lab File: VU027282.D  
 Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.1  | 31.9 | 95.7  |       |
| 227     | 62.9  | 32.1 | 96.5  |       |





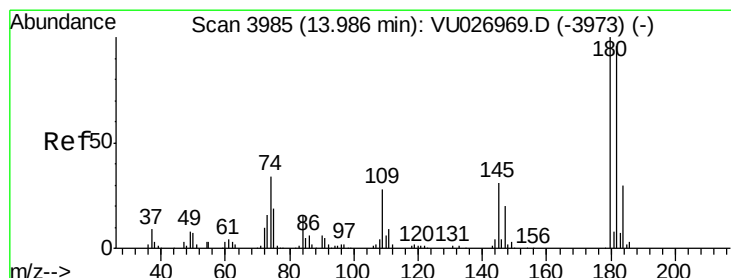
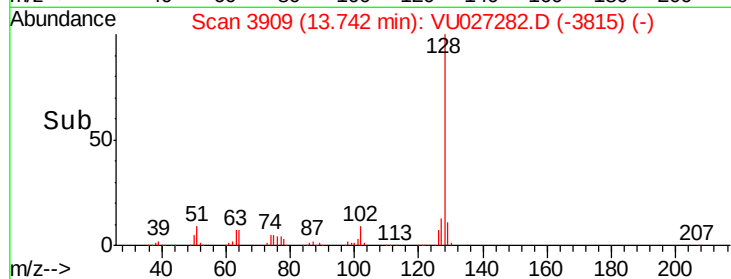
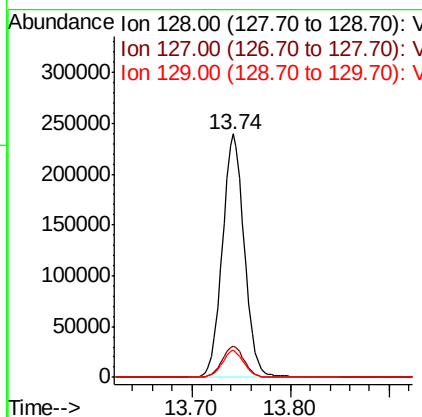
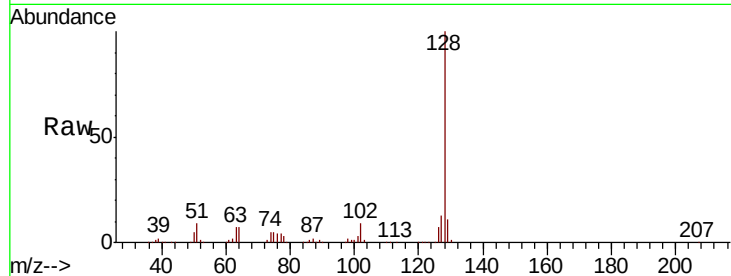
#95  
Naphthalene  
Concen: 49.892 ug/l  
RT: 13.74 min Scan# 3909  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.6  | 15.8  |
| 129     | 10.8  | 8.6   | 12.8  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 52.433 ug/l  
RT: 13.99 min Scan# 3985  
Delta R.T. 0.00 min  
Lab File: VU027282.D  
Acq: 28 Sep 2018 19:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 47.5  | 142.5 |
| 145     | 31.6  | 15.4  | 46.4  |

