

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\U121518\  
 Data File : VU028707.D  
 Acq On : 15 Dec 2018 00:54  
 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  
 12/17/2018 9:49:03 AM

Quant Time: Dec 15 02:51:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 07 00:39:42 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 73347    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 126830   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 121429   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 60177    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 60890    | 54.40 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.80% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 44186    | 55.36 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.72% |      |
| 50) Toluene-d8            | 7.57   | 98  | 171431   | 54.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.60% |      |
| 62) 4-Bromofluorobenzene  | 10.30  | 95  | 64074    | 54.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.60% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 46890  | 47.695  | ug/l | 98     |
| 3) Chloromethane              | 1.33 | 50  | 79816  | 44.160  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 62595  | 47.989  | ug/l | 98     |
| 5) Bromomethane               | 1.60 | 94  | 30468  | 57.987  | ug/l | 97     |
| 6) Chloroethane               | 1.68 | 64  | 36185  | 49.002  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 69216  | 50.437  | ug/l | 99     |
| 8) Diethyl Ether              | 2.10 | 74  | 30529  | 47.549  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 40575  | 49.436  | ug/l | 98     |
| 10) Methyl Iodide             | 2.41 | 142 | 42001  | 65.218  | ug/l | 98     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 67102  | 269.075 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 40463  | 49.549  | ug/l | 98     |
| 13) Acrolein                  | 2.19 | 56  | 49947  | 251.237 | ug/l | 99     |
| 14) Allyl chloride            | 2.59 | 41  | 104172 | 53.922  | ug/l | 92     |
| 15) Acrylonitrile             | 2.94 | 53  | 190846 | 275.646 | ug/l | 99     |
| 16) Acetone                   | 2.32 | 43  | 152234 | 208.423 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.47 | 76  | 134998 | 45.888  | ug/l | 100    |
| 18) Methyl Acetate            | 2.61 | 43  | 115414 | 60.956  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 158092 | 51.067  | ug/l | 98     |
| 20) Methylene Chloride        | 2.70 | 84  | 50692  | 47.079  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 43959  | 47.810  | ug/l | 95     |
| 22) Diisopropyl ether         | 3.57 | 45  | 201275 | 53.575  | ug/l | 98     |
| 23) Vinyl Acetate             | 3.52 | 43  | 827925 | 267.174 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.44 | 63  | 99194  | 50.440  | ug/l | 99     |
| 25) 2-Butanone                | 4.26 | 43  | 258973 | 259.446 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.22 | 77  | 66681  | 42.793  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96  | 51615  | 49.597  | ug/l | 99     |
| 28) Bromochloromethane        | 4.55 | 49  | 51583  | 57.699  | ug/l | 95     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 179851 | 280.549 | ug/l | 97     |
| 30) Chloroform                | 4.67 | 83  | 90289  | 52.678  | ug/l | 93     |
| 31) Cyclohexane               | 4.99 | 56  | 93441  | 48.658  | ug/l | 95     |
| 32) 1,1,1-Trichloroethane     | 4.91 | 97  | 72951  | 51.247  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.13 | 75  | 67724  | 48.797  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.38 | 43  | 96236  | 53.640  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.13 | 117 | 59954  | 53.596  | ug/l | 97     |

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 Acq On : 15 Dec 2018 00:54  
 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  
 12/17/2018 9:49:03 AM

Quant Time: Dec 15 02:51:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 07 00:39:42 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 6.41  | 83   | 79251    | 46.806   | ug/l   | 99       |
| 40) Benzene                    | 5.39  | 78   | 210168   | 51.416   | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.54  | 41   | 56544    | 57.549   | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 75450    | 52.732   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 157581   | 55.530   | ug/l   | 98       |
| 44) Trichloroethene            | 6.18  | 130  | 46059    | 50.677   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 62605    | 54.464   | ug/l   | 96       |
| 46) Dibromomethane             | 6.56  | 93   | 36309    | 53.238   | ug/l   | 98       |
| 47) Bromodichloromethane       | 6.76  | 83   | 70135    | 52.846   | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 77654    | 55.026   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 25206    | 1131.186 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 508530   | 284.125  | ug/l   | 98       |
| 52) Toluene                    | 7.64  | 92   | 123053   | 51.152   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 81215    | 51.382   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 86666    | 50.538   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 50781    | 53.401   | ug/l   | 95       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 88181    | 54.151   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 92555    | 52.433   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 7.12  | 63   | 232899   | 279.226  | ug/l   | 98       |
| 59) 2-Hexanone                 | 8.36  | 43   | 392231   | 276.489  | ug/l   | 100      |
| 60) Dibromochloromethane       | 8.48  | 129  | 49474    | 53.139   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 53831    | 53.982   | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.23  | 164  | 39675    | 48.984   | ug/l   | 97       |
| 65) Chlorobenzene              | 9.12  | 112  | 128250   | 49.565   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 44863    | 54.295   | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.25  | 91   | 236455   | 49.710   | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.37  | 106  | 174467   | 100.799  | ug/l   | 98       |
| 69) o-Xylene                   | 9.78  | 106  | 83973    | 49.924   | ug/l   | 96       |
| 70) Styrene                    | 9.79  | 104  | 141063   | 50.676   | ug/l   | 100      |
| 71) Bromoform                  | 9.96  | 173  | 38586    | 54.894   | ug/l # | 100      |
| 73) Isopropylbenzene           | 10.16 | 105  | 226246   | 48.996   | ug/l   | 100      |
| 74) N-amyl acetate             | 10.01 | 43   | 142573   | 53.527   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 95783    | 53.998   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 86957m   | 56.589   | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 52756    | 48.851   | ug/l   | 96       |
| 78) n-propylbenzene            | 10.58 | 91   | 280255   | 48.844   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 166139   | 50.267   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 192588   | 50.385   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 32966m   | 52.718   | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 192331   | 49.107   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 179008   | 48.588   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 196026   | 49.763   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 231651   | 48.944   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 193671   | 48.171   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.41 | 146  | 98735    | 48.418   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.50 | 146  | 99365    | 47.097   | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 191545   | 47.075   | ug/l   | 99       |
| 90) Hexachloroethane           | 12.14 | 117  | 31995    | 52.650   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 99896    | 48.974   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.65 | 75   | 20861    | 54.322   | ug/l   | 98       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU121518\  
Data File : VU028707.D  
Acq On : 15 Dec 2018 00:54  
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  
12/17/2018 9:49:03 AM

Quant Time: Dec 15 02:51:00 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 07 00:39:42 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 64882    | 46.352 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 30645    | 45.865 | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 230664   | 47.125 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 66309    | 47.540 | ug/l  | 99       |

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

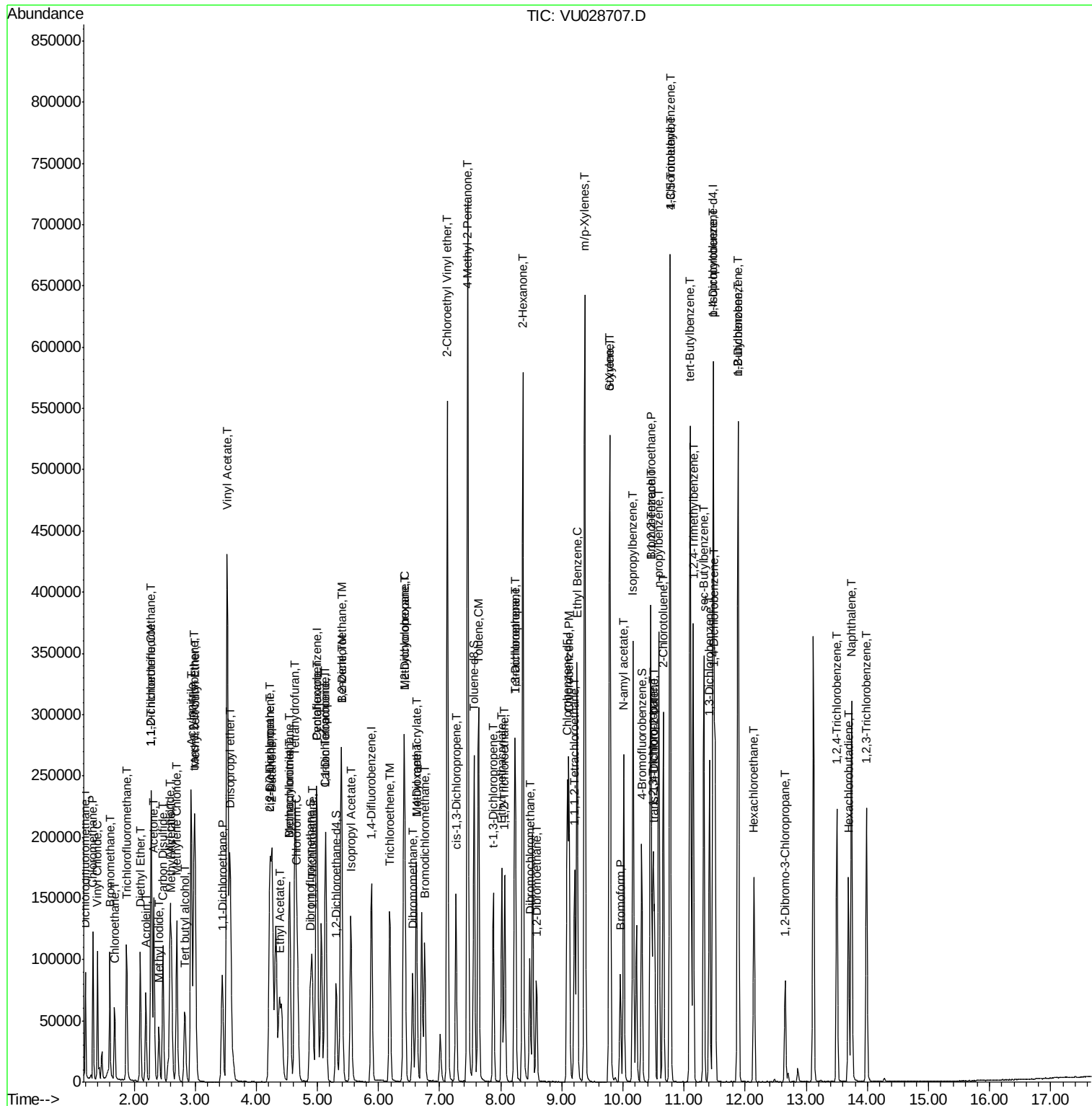
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Data File : VU028707.D  
Acq On : 15 Dec 2018 00:54  
Operator : MD/SY  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 29 Sample Multiplier: 1

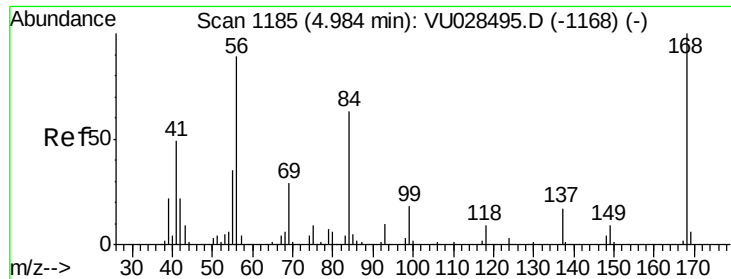
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MM Dadoda  
12/17/2018 9:49:03 AM

Quant Time: Dec 15 02:51:00 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U120618W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 07 00:39:42 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 73347

Ion Ratio Lower Upper

168 100

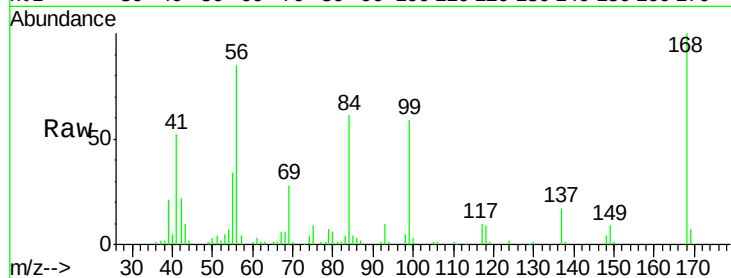
99 59.1 46.6 69.8

Manual Integrations

APPROVED

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12/17/2018 9:49:03 AM



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

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

4.98

30000

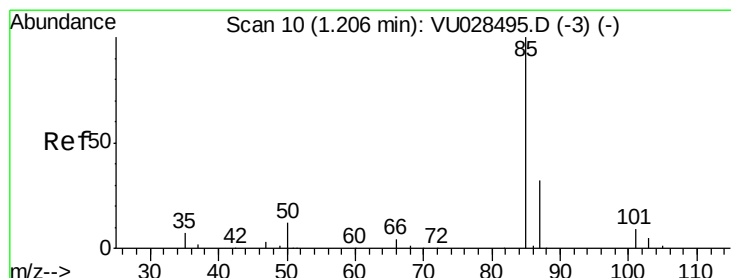
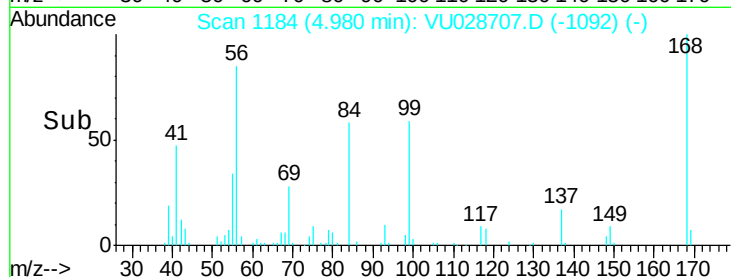
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.695 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028707.D

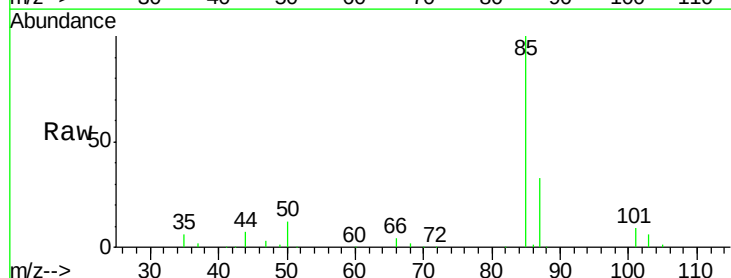
Acq: 15 Dec 2018 00:54

Tgt Ion: 85 Resp: 46890

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



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

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

1.21

50000

40000

30000

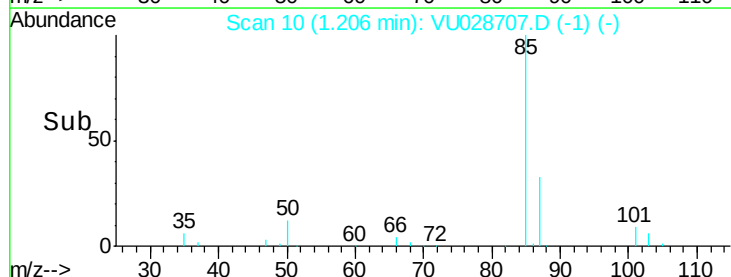
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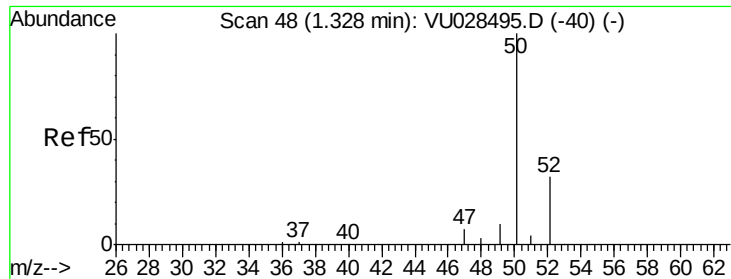
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 44.160 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 79816

Ion Ratio Lower Upper

50 100

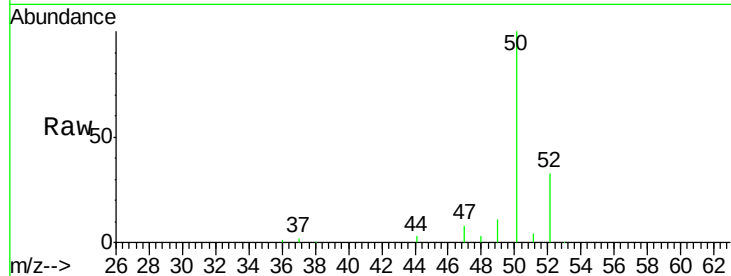
52 33.2 25.5 38.3

Manual Integrations

APPROVED

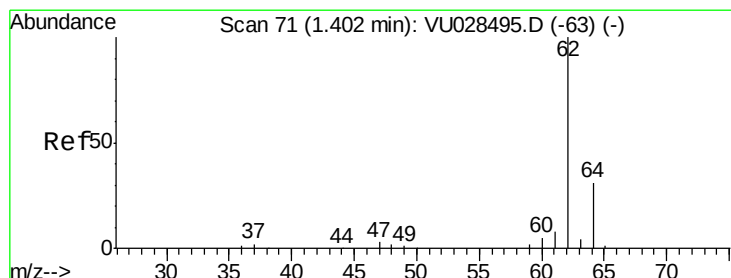
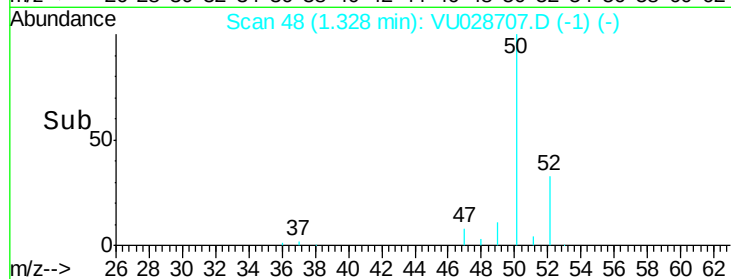
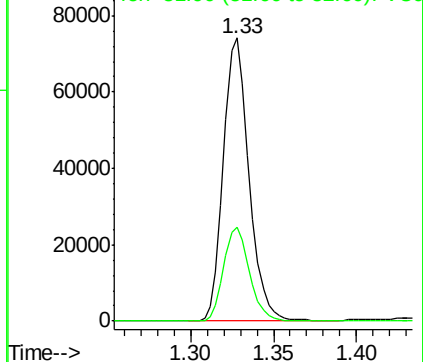
MMDadoda

12/17/2018 9:49:03 AM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.989 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028707.D

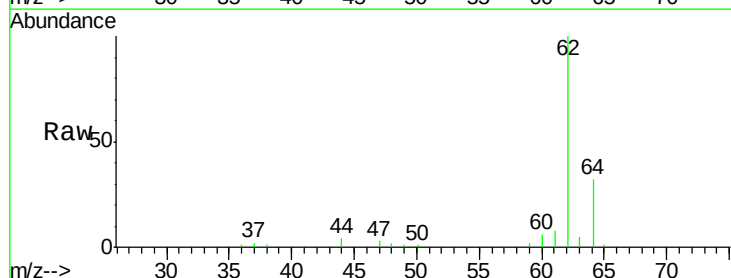
Acq: 15 Dec 2018 00:54

Tgt Ion: 62 Resp: 62595

Ion Ratio Lower Upper

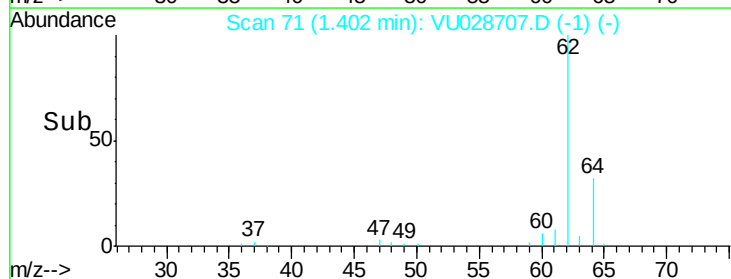
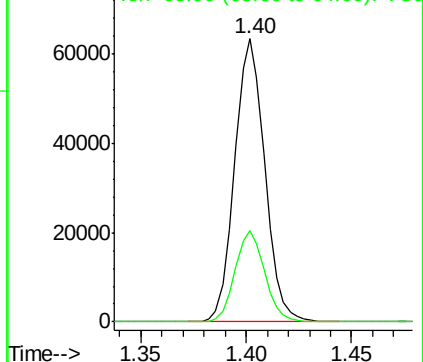
62 100

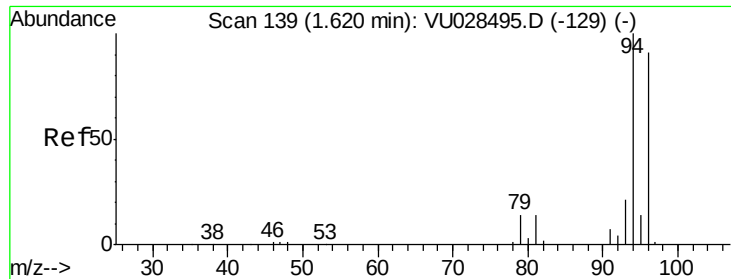
64 32.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 57.987 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 30468

Ion Ratio Lower Upper

94 100

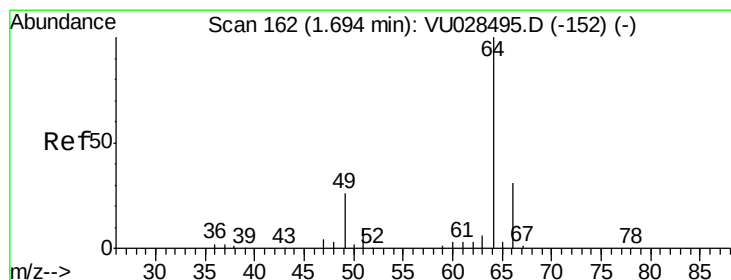
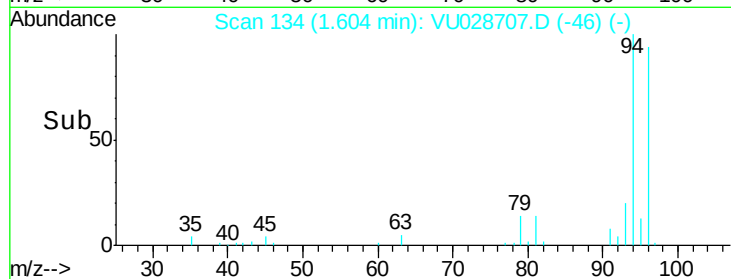
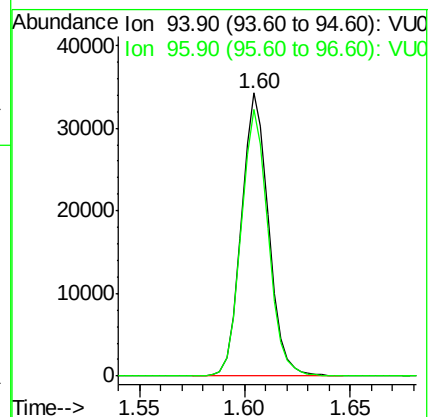
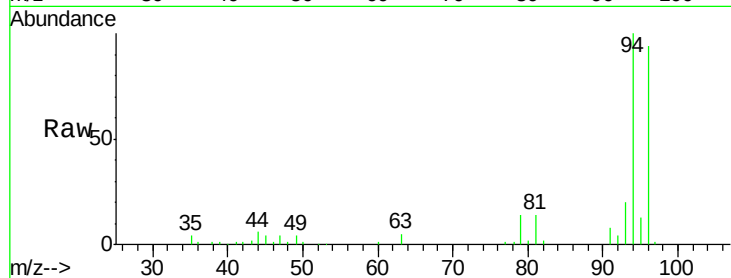
96 94.3 73.2 109.8

Manual Integrations

APPROVED

MMDadoda

12/17/2018 9:49:03 AM



#6

Chloroethane

Concen: 49.002 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028707.D

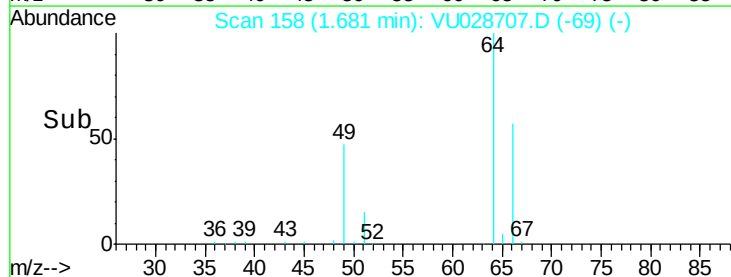
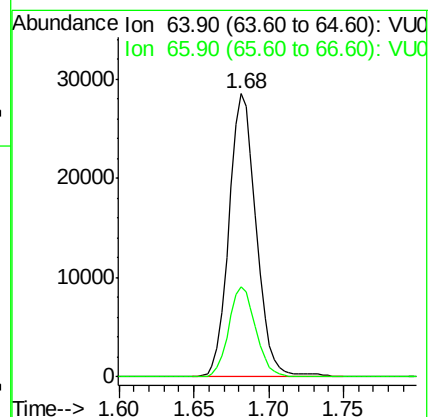
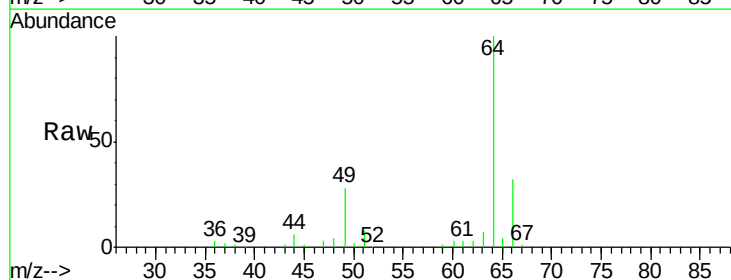
Acq: 15 Dec 2018 00:54

Tgt Ion: 64 Resp: 36185

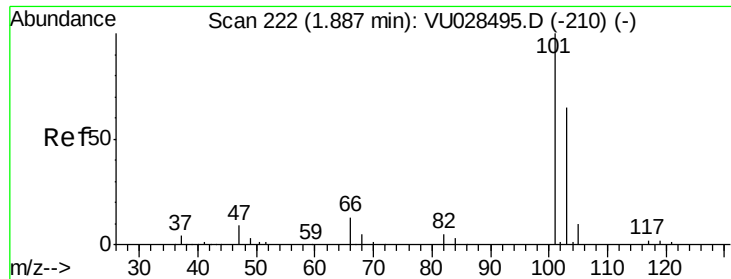
Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.6







#7

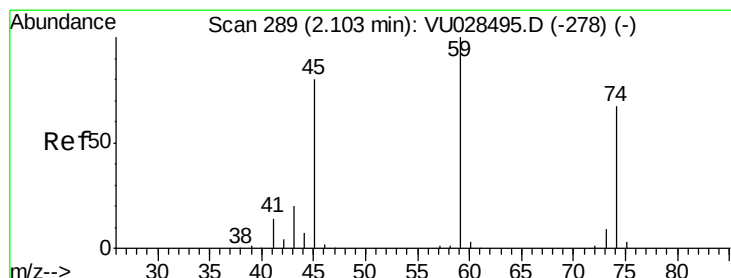
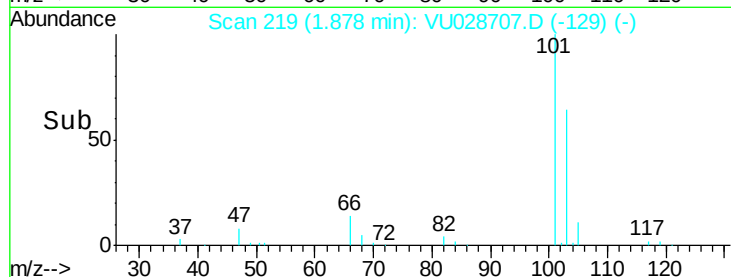
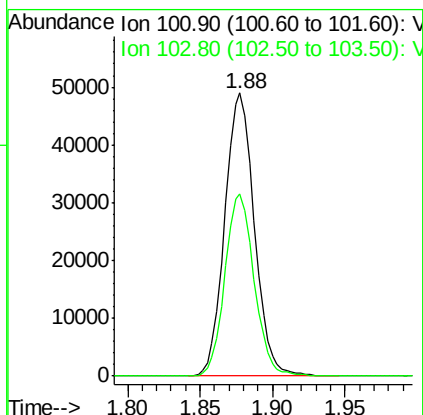
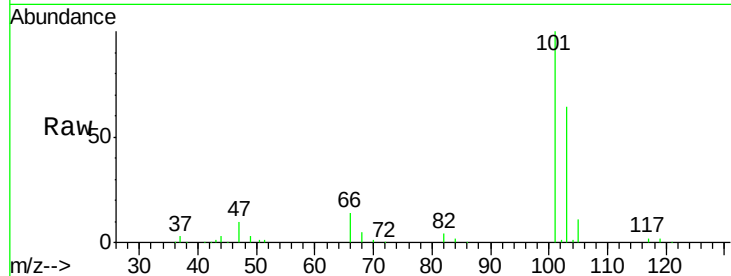
Trichlorofluoromethane  
Concen: 50.437 ug/l  
RT: 1.88 min Scan# 219  
Delta R.T. -0.01 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 69216  
Ion Ratio Lower Upper  
101 100  
103 64.4 52.3 78.5

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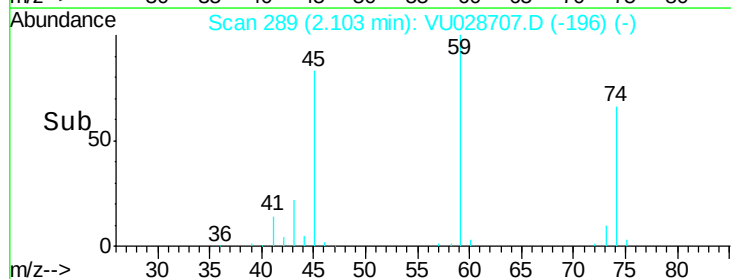
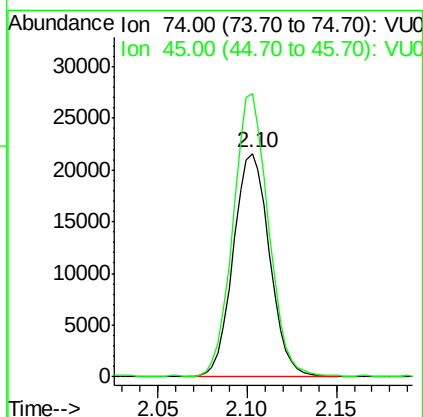
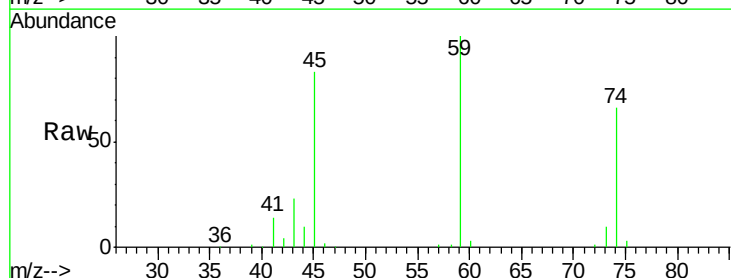
MMDadoda  
12/17/2018 9:49:03 AM



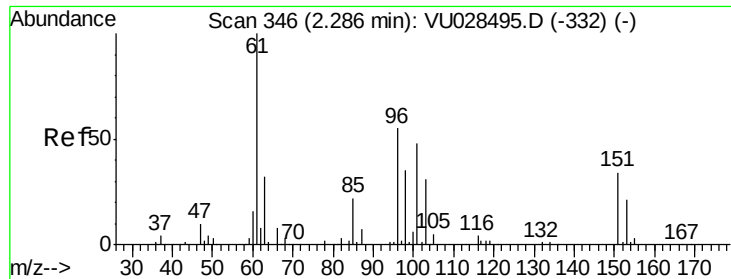
#8

Diethyl Ether  
Concen: 47.549 ug/l  
RT: 2.10 min Scan# 289  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Tgt Ion: 74 Resp: 30529  
Ion Ratio Lower Upper  
74 100  
45 123.9 59.7 179.0







#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.436 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

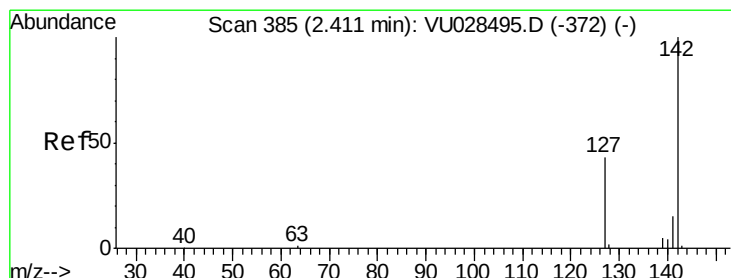
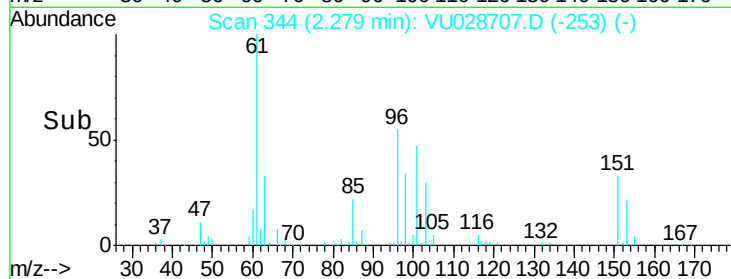
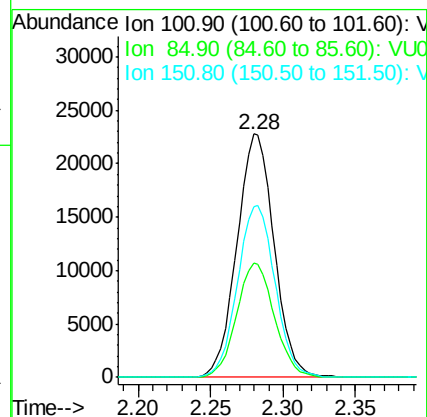
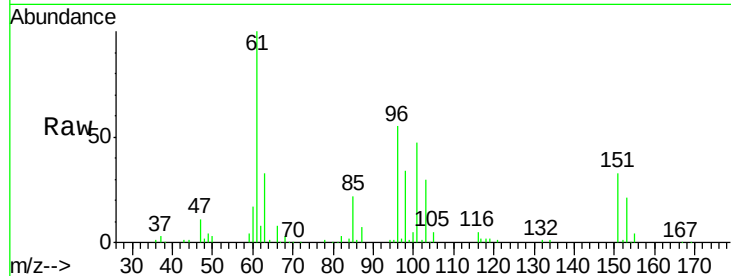
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 40575 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 47.4  | 36.4  | 54.6  |
| 151       | 71.4  | 58.2  | 87.2  |

Manual Integrations  
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12/17/2018 9:49:03 AM



#10

Methyl Iodide

Concen: 65.218 ug/l

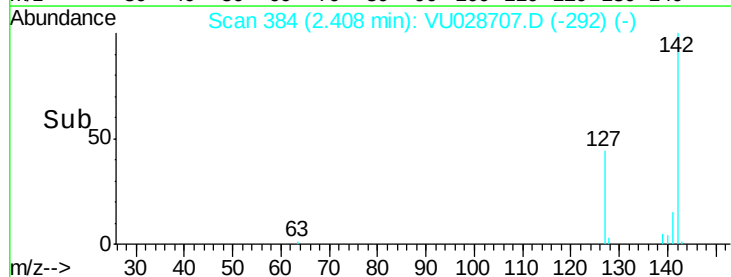
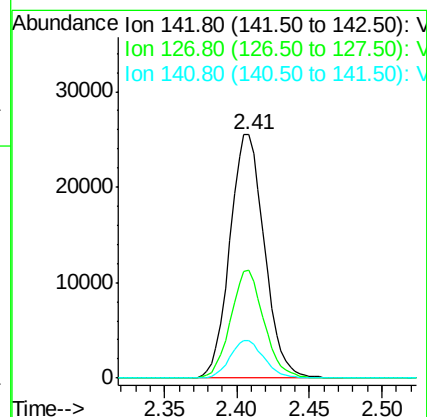
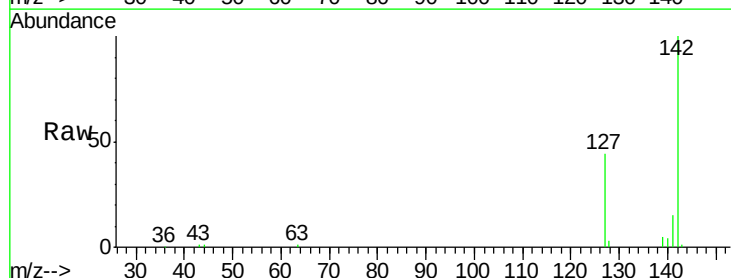
RT: 2.41 min Scan# 384

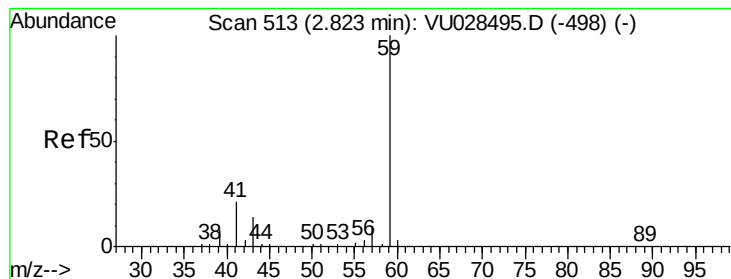
Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 42001 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.6  | 33.5  | 50.3  |
| 141       | 15.2  | 11.2  | 16.8  |





#11

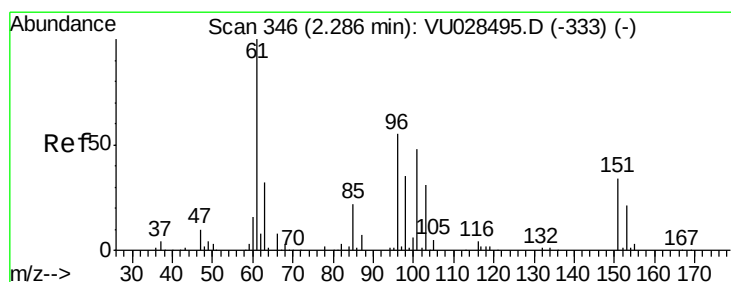
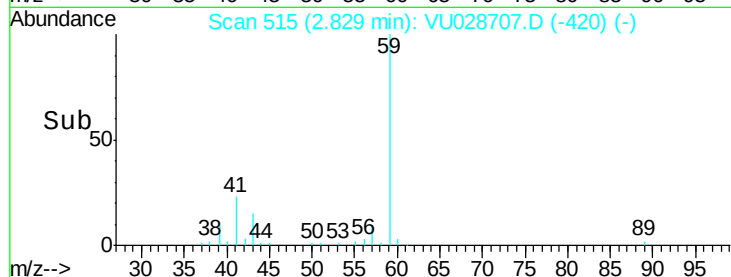
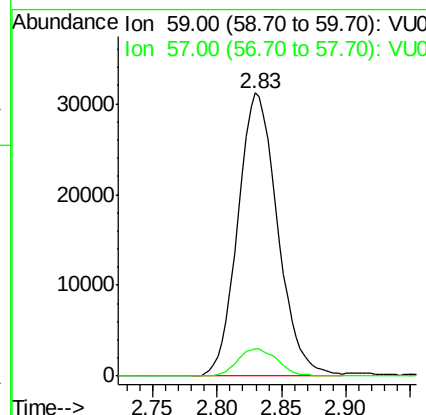
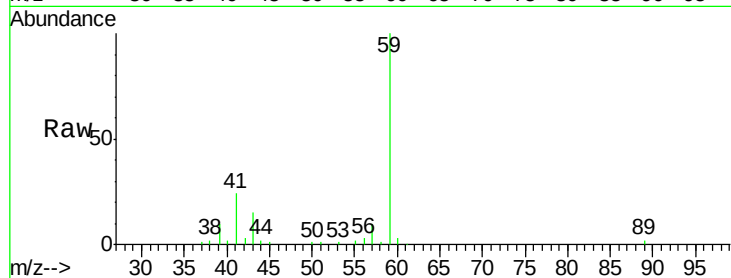
Tert butyl alcohol  
Concen: 269.075 ug/l  
RT: 2.83 min Scan# 515  
Delta R.T. 0.01 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

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

Manual Integrations  
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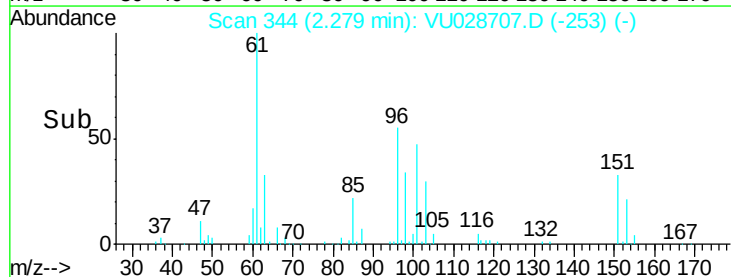
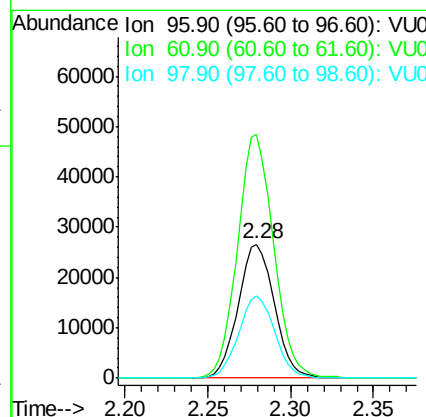
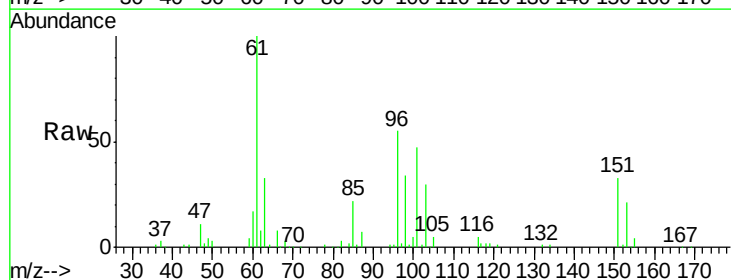
MMDadoda  
12/17/2018 9:49:03 AM

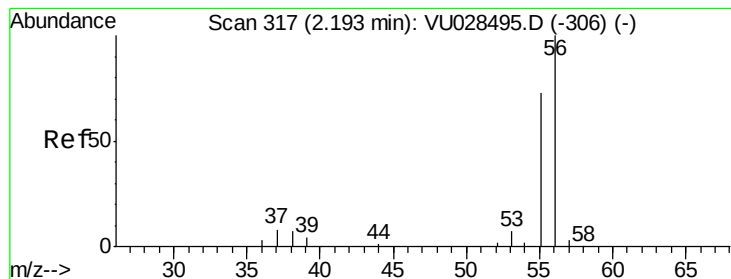


#12

1,1-Dichloroethene  
Concen: 49.549 ug/l  
RT: 2.28 min Scan# 344  
Delta R.T. -0.01 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 181.6 | 146.4 | 219.6 |
| 98      | 61.2  | 51.8  | 77.8  |





#13

Acrolein

Concen: 251.237 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 49947

Ion Ratio Lower Upper

56 100

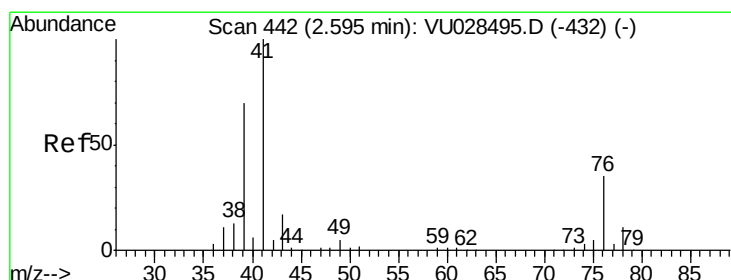
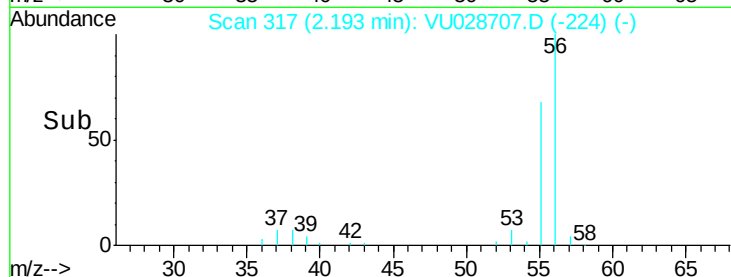
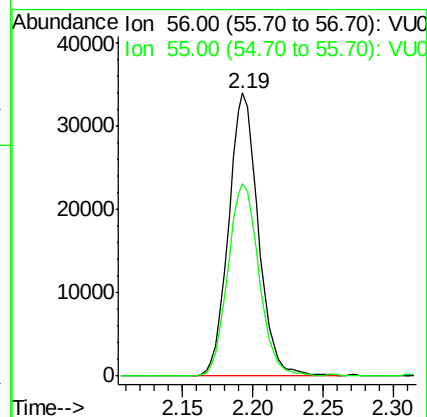
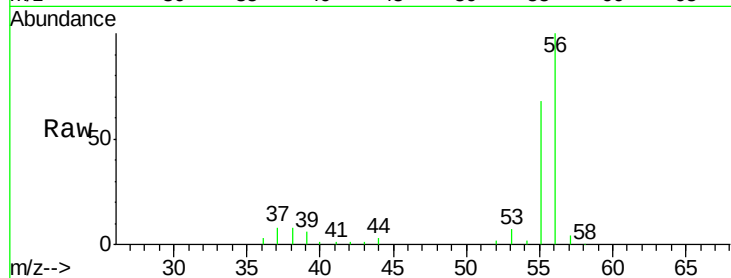
55 71.1 57.5 86.3

Manual Integrations

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12/17/2018 9:49:03 AM



#14

Allyl chloride

Concen: 53.922 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

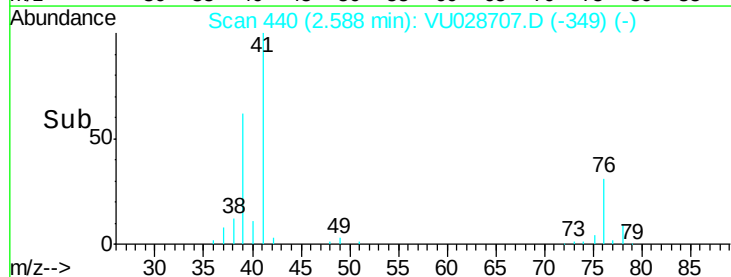
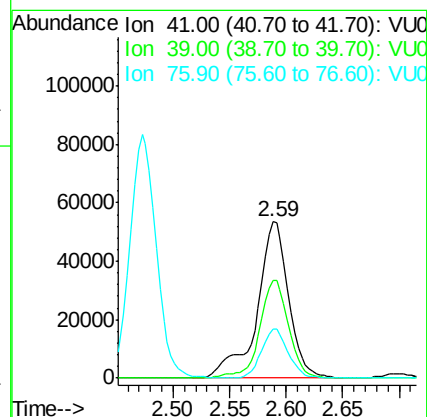
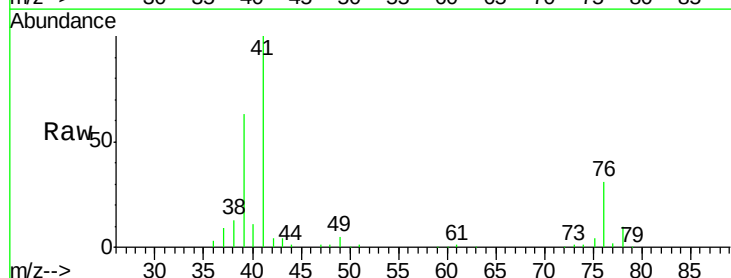
Tgt Ion: 41 Resp: 104172

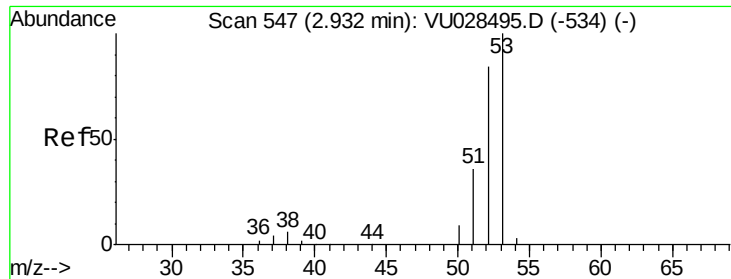
Ion Ratio Lower Upper

41 100

39 57.0 50.8 76.2

76 26.5 24.8 37.2





#15

Acrylonitrile

Concen: 275.646 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

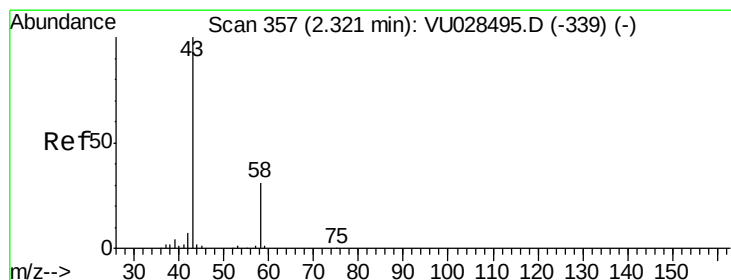
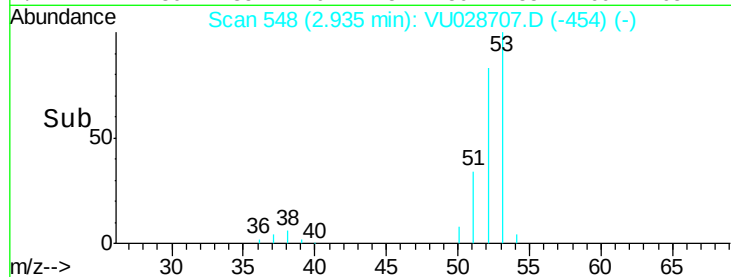
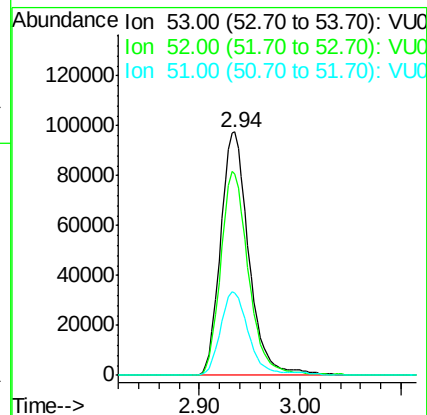
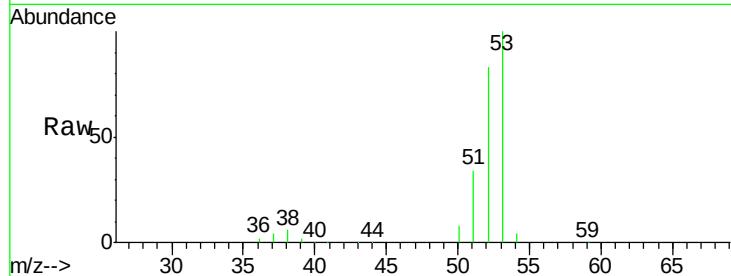
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 190846 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.2  | 66.1  | 99.1   |
| 51       | 33.7  | 28.1  | 42.1   |

Manual Integrations  
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#16

Acetone

Concen: 208.423 ug/l

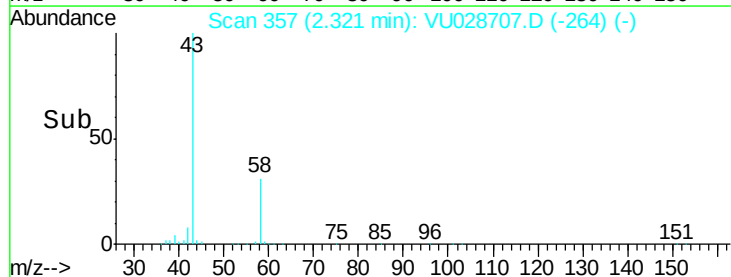
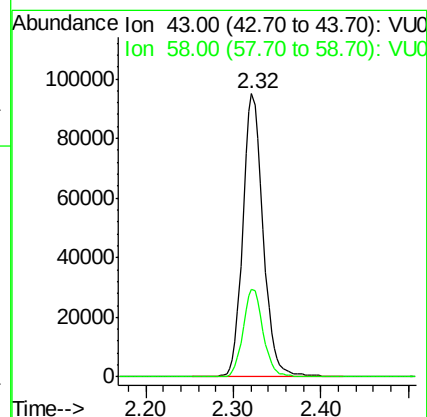
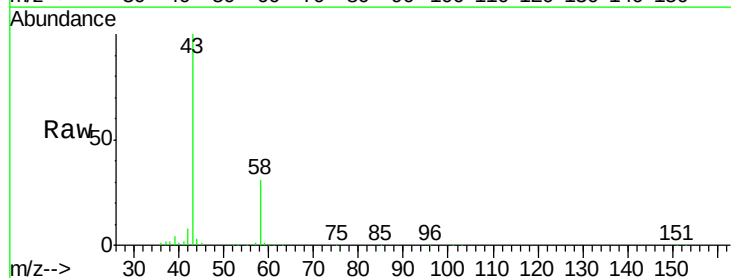
RT: 2.32 min Scan# 357

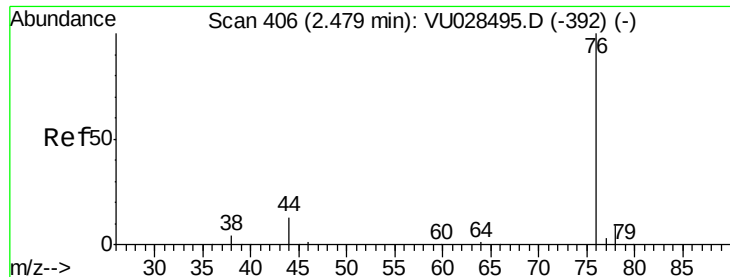
Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 152234 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.9  | 24.6  | 37.0   |





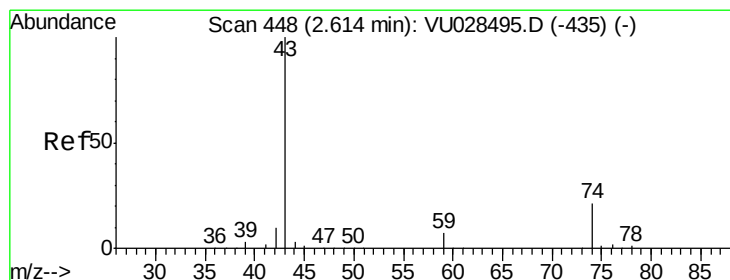
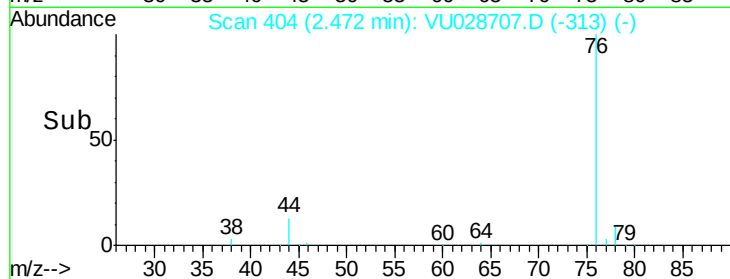
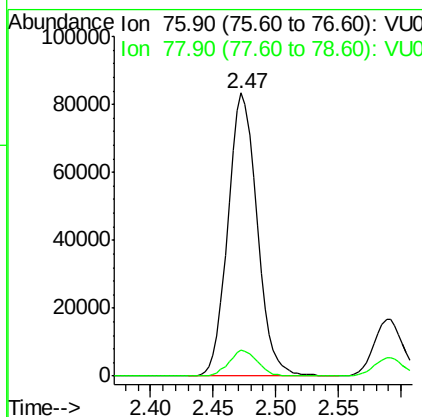
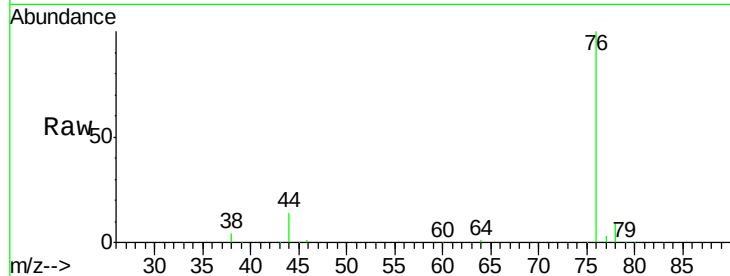
#17  
Carbon Disulfide  
Concen: 45.888 ug/l  
RT: 2.47 min Scan# 404  
Delta R.T. -0.01 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 134998  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.2 10.8

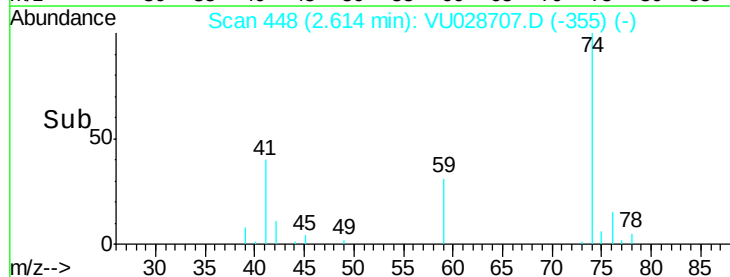
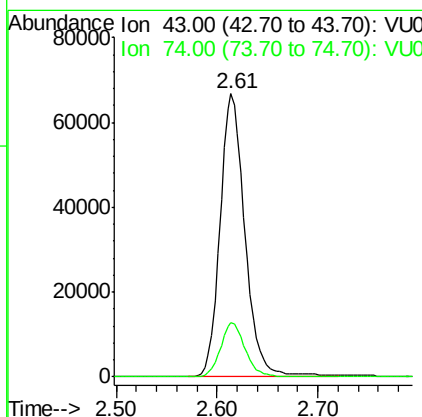
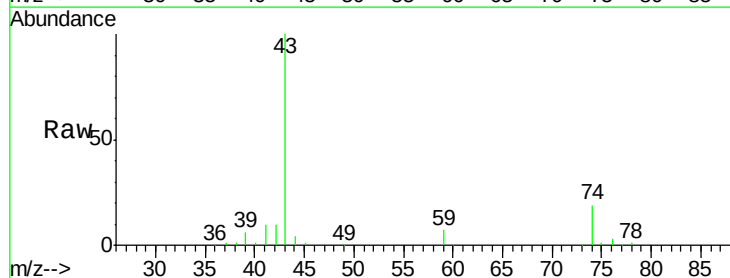
Manual Integrations  
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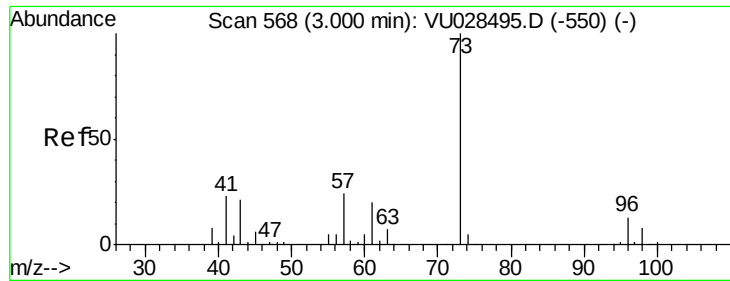
MMDadoda  
12/17/2018 9:49:03 AM



#18  
Methyl Acetate  
Concen: 60.956 ug/l  
RT: 2.61 min Scan# 448  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Tgt Ion: 43 Resp: 115414  
Ion Ratio Lower Upper  
43 100  
74 19.0 16.4 24.6





#19

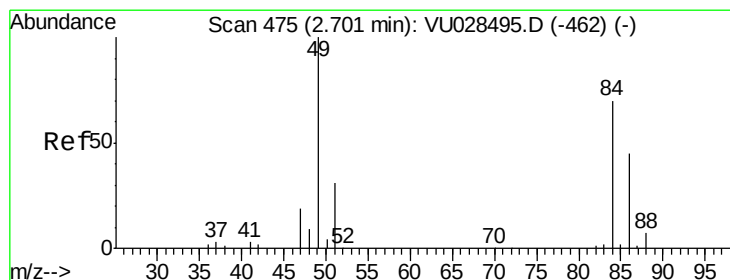
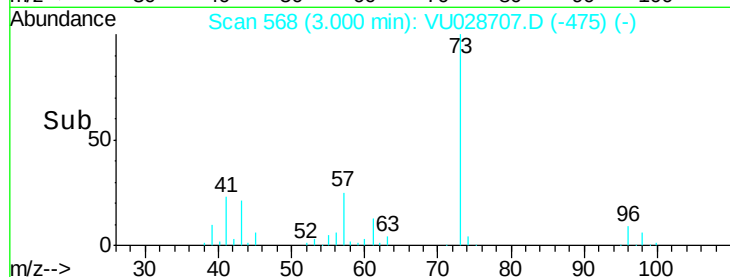
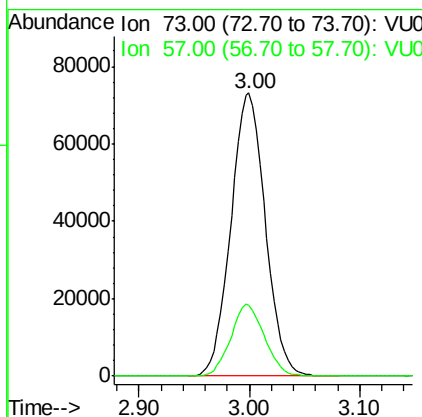
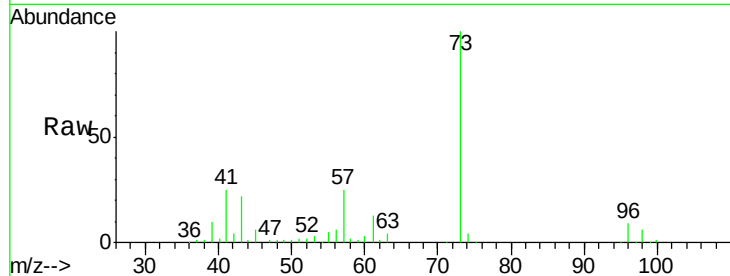
Methyl tert-butyl Ether  
 Concen: 51.067 ug/l  
 RT: 3.00 min Scan# 568  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 73 Resp: 158092  
 Ion Ratio Lower Upper  
 73 100  
 57 25.2 19.4 29.2

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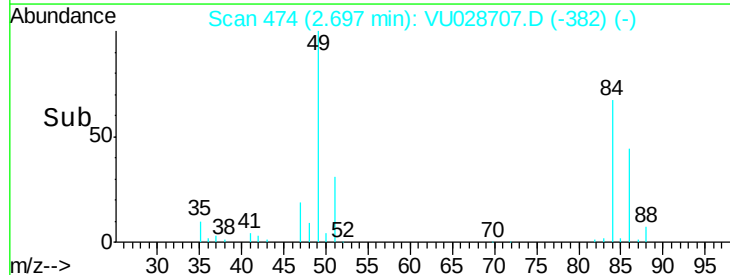
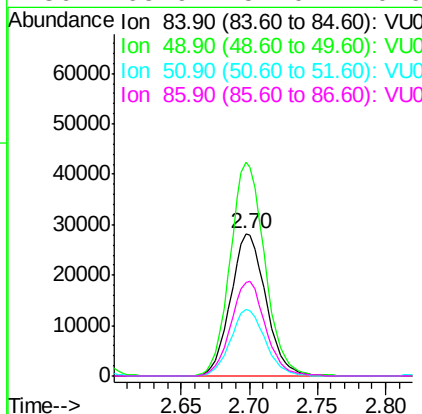
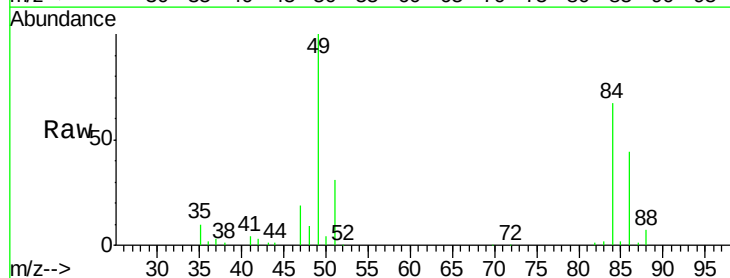
MMDadoda  
 12/17/2018 9:49:03 AM

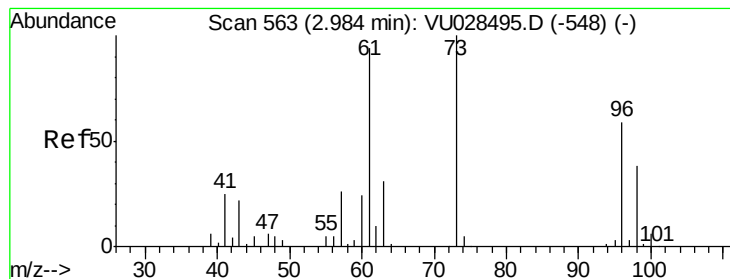


#20

Methylene Chloride  
 Concen: 47.079 ug/l  
 RT: 2.70 min Scan# 474  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Tgt Ion: 84 Resp: 50692  
 Ion Ratio Lower Upper  
 84 100  
 49 149.7 114.0 171.0  
 51 46.7 35.1 52.7  
 86 65.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.810 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 43959

Ion Ratio Lower Upper

96 100

61 166.9 127.0 190.4

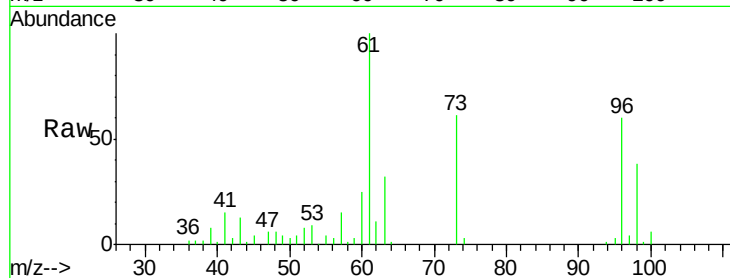
98 64.1 51.9 77.9

Manual Integrations

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MMDadoda

12/17/2018 9:49:03 AM

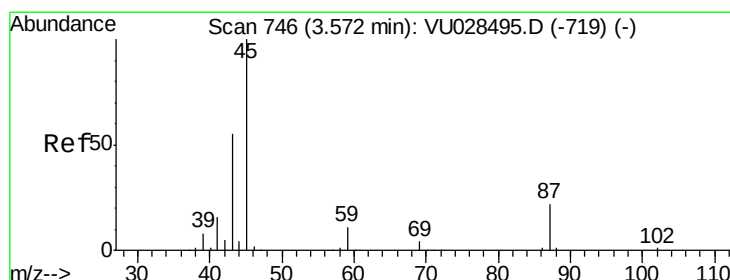
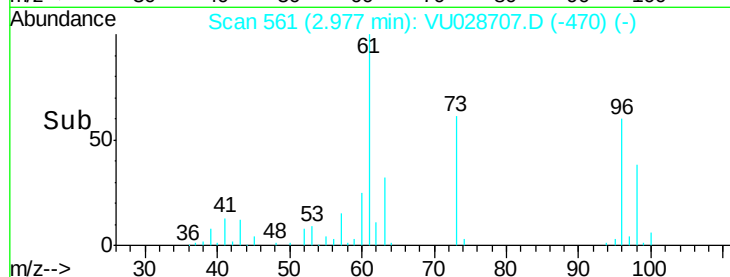
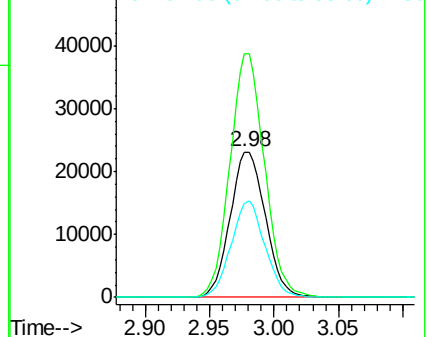


Abundance

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



#22

Diisopropyl ether

Concen: 53.575 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Tgt Ion: 45 Resp: 201275

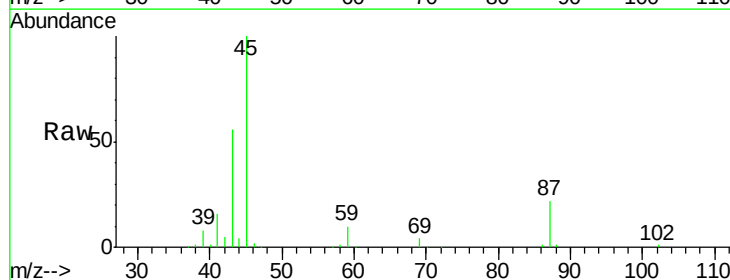
Ion Ratio Lower Upper

45 100

43 55.0 45.3 67.9

87 22.0 17.6 26.4

59 10.4 8.8 13.2



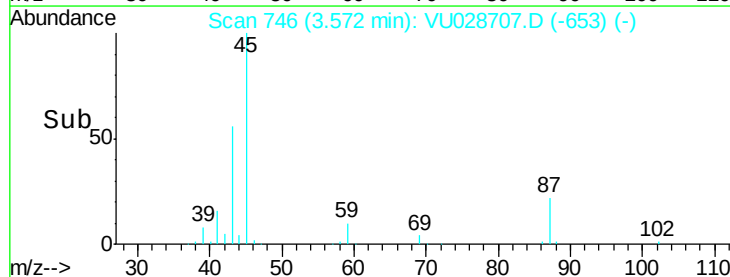
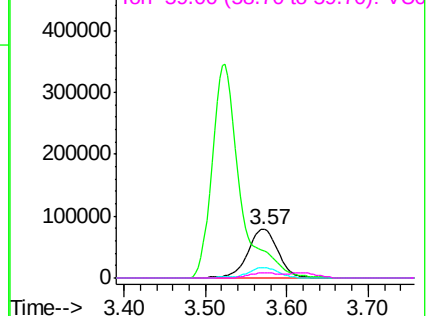
Abundance

Ion 45.00 (44.70 to 45.70): VU0

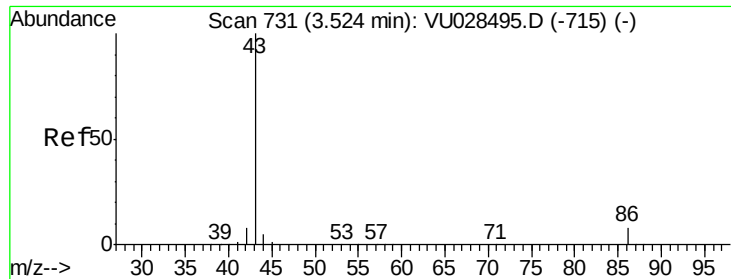
Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0







#23

Vinyl Acetate

Concen: 267.174 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 827925

Ion Ratio Lower Upper

43 100

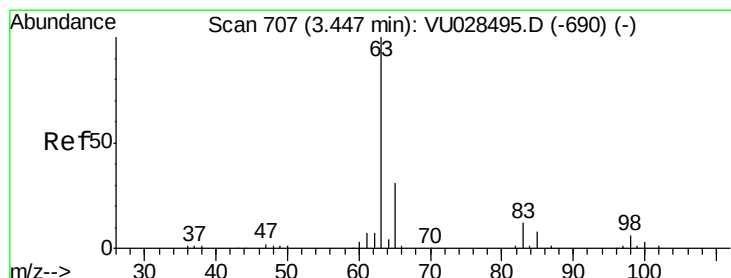
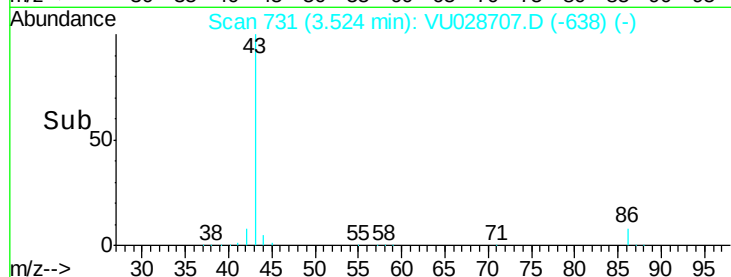
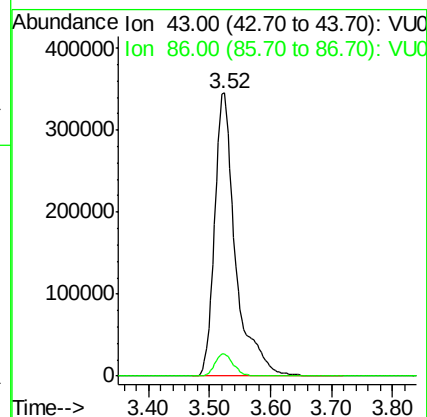
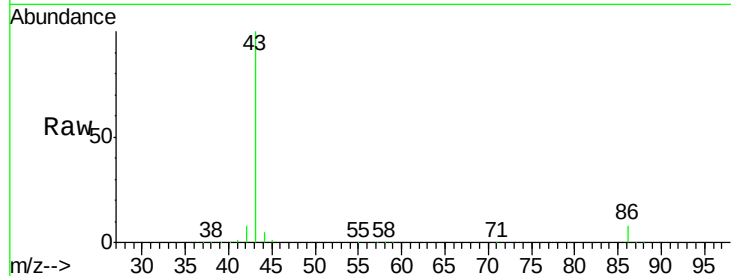
86 8.0 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.440 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

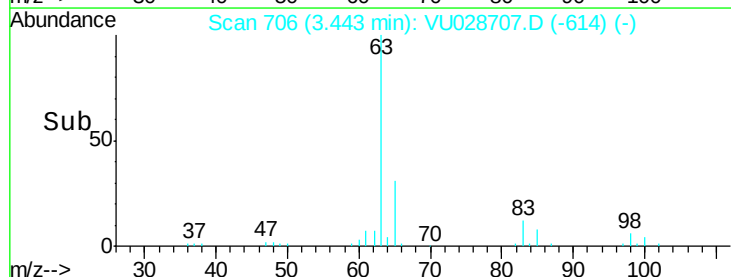
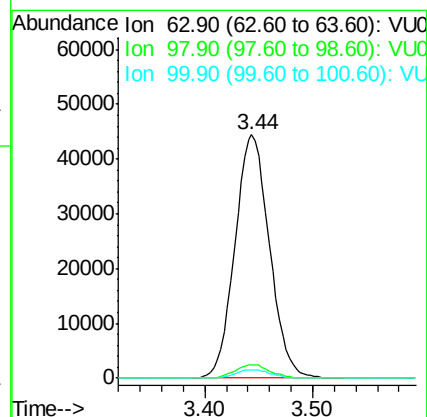
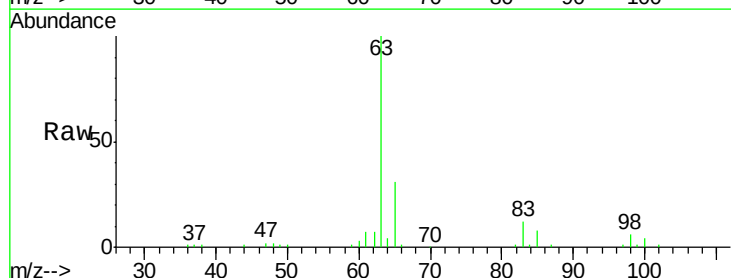
Tgt Ion: 63 Resp: 99194

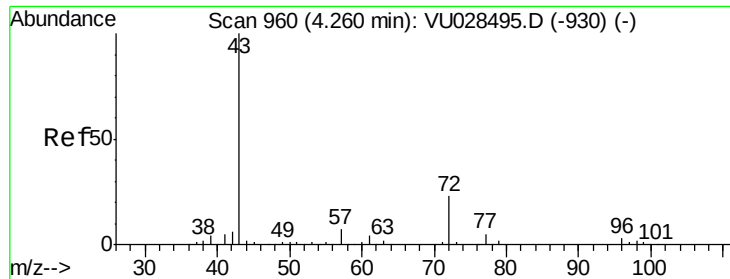
Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.5 1.7 5.1





#25

2-Butanone

Concen: 259.446 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 258973

Ion Ratio Lower Upper

43 100

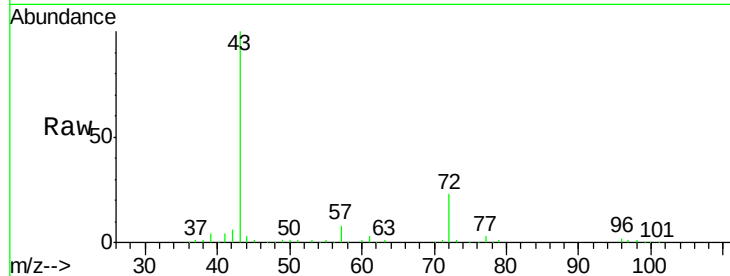
72 22.5 18.6 28.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

120000

100000

80000

60000

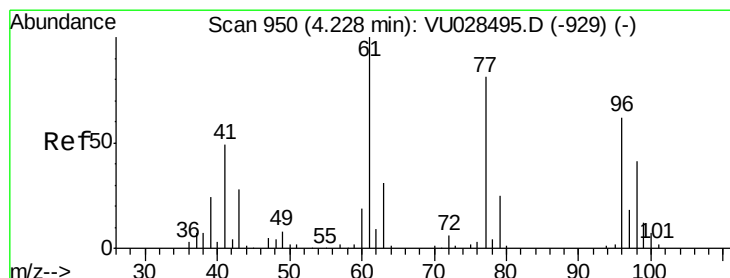
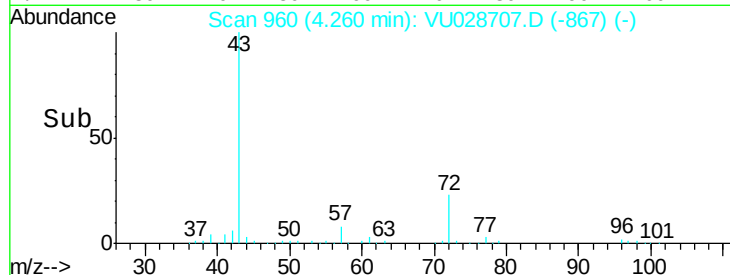
40000

20000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 42.793 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028707.D

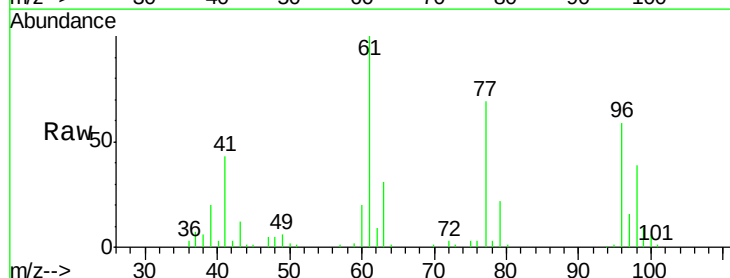
Acq: 15 Dec 2018 00:54

Tgt Ion: 77 Resp: 66681

Ion Ratio Lower Upper

77 100

97 22.3 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

25000

20000

15000

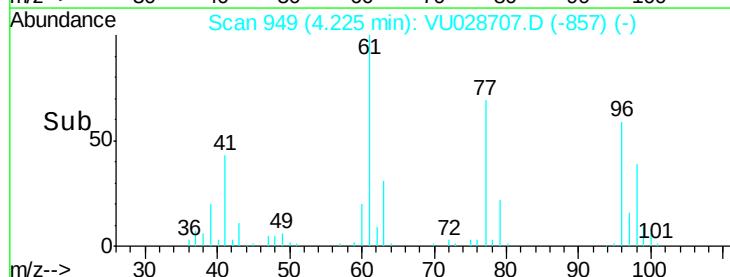
10000

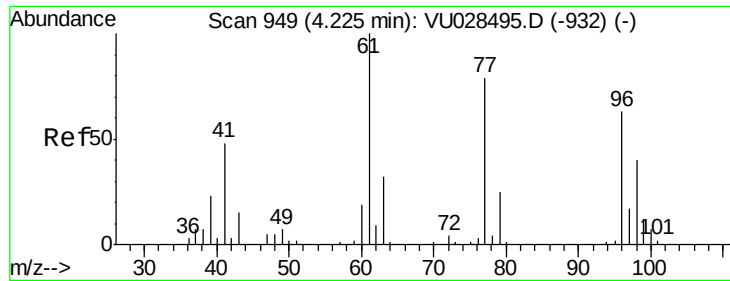
5000

0

4.10 4.20 4.30

Time-->





#27

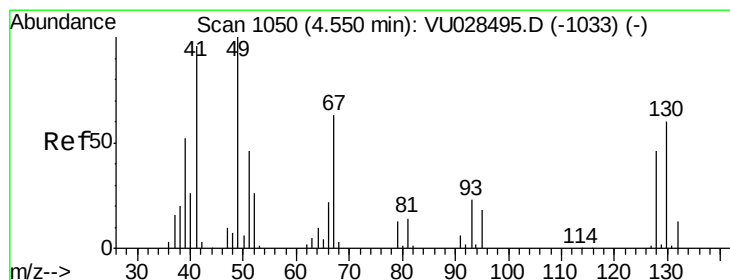
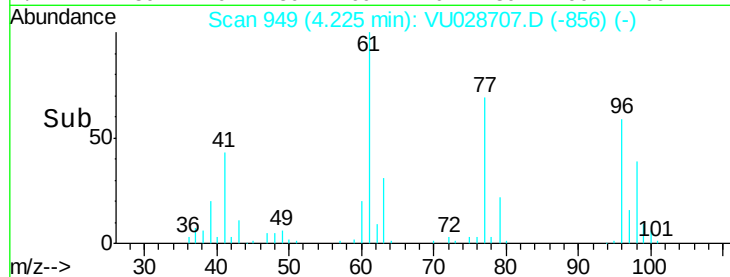
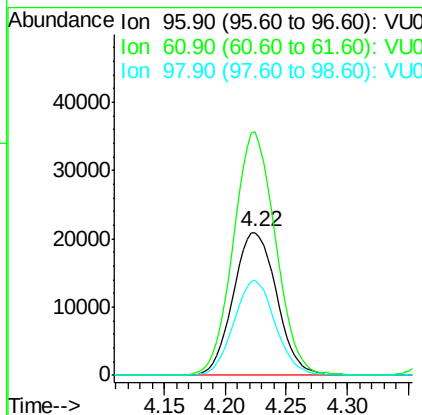
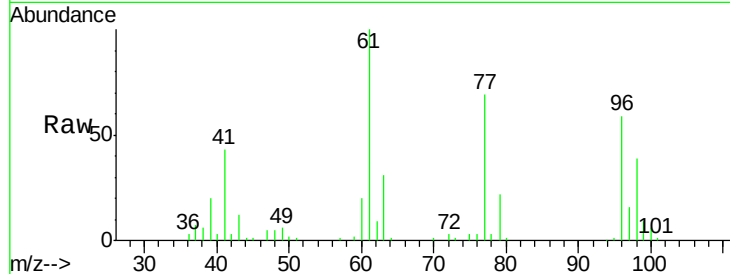
cis-1,2-Dichloroethene  
 Concen: 49.597 ug/l  
 RT: 4.22 min Scan# 949  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 165.8 | 0.0   | 332.4 |
| 98      | 63.6  | 0.0   | 129.0 |

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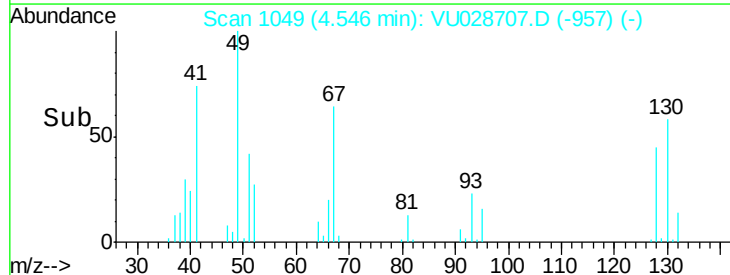
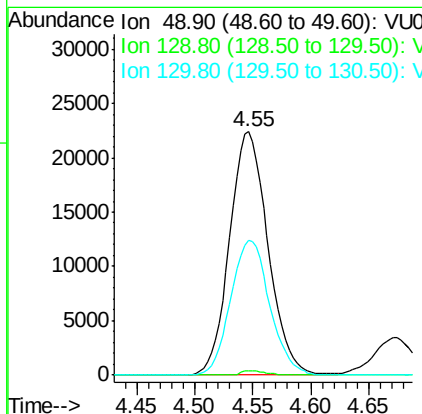
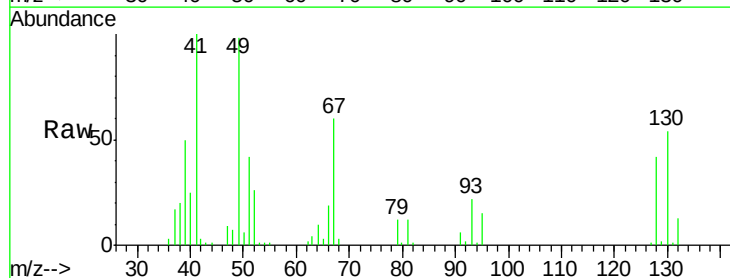
MMDadoda  
 12/17/2018 9:49:03 AM

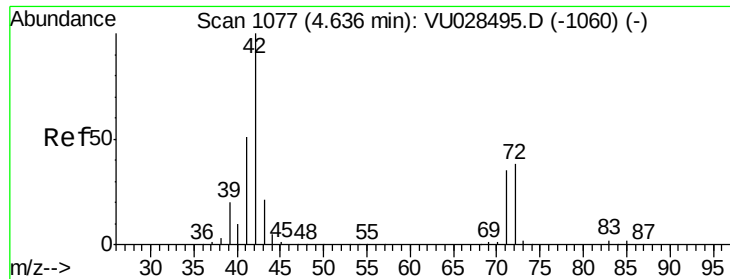


#28

Bromochloromethane  
 Concen: 57.699 ug/l  
 RT: 4.55 min Scan# 1049  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.1   | 0.0   | 3.0   |
| 130     | 56.1  | 47.8  | 71.8  |





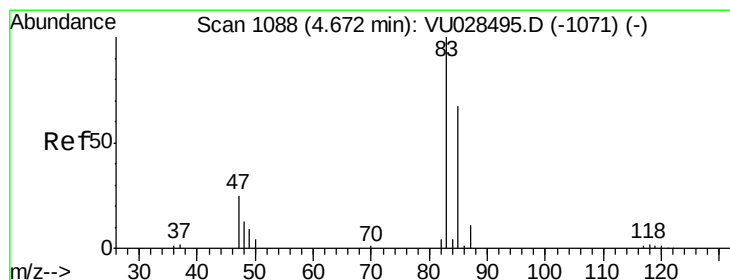
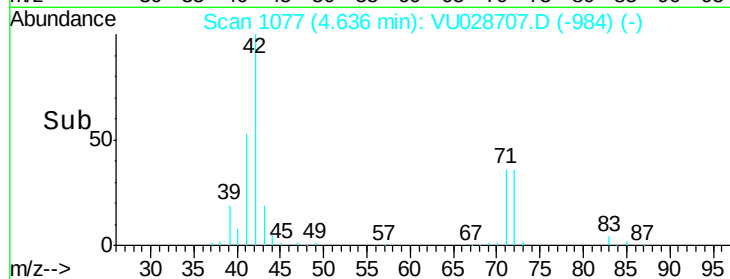
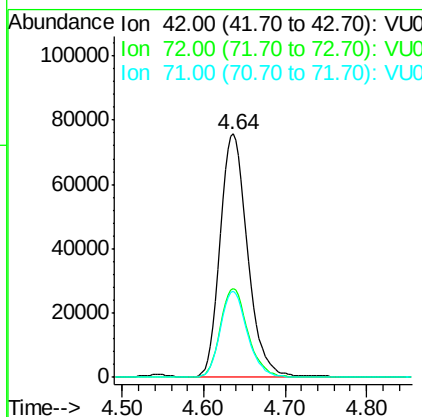
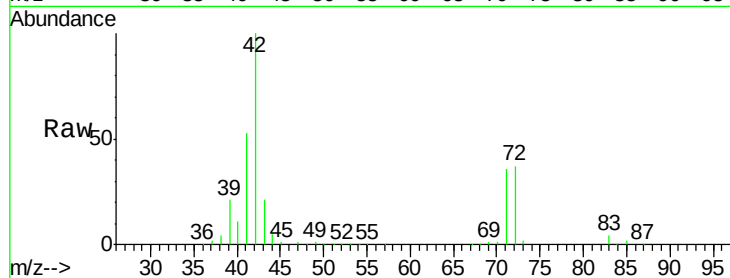
#29  
Tetrahydrofuran  
Concen: 280.549 ug/l  
RT: 4.64 min Scan# 1077  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 36.7  | 31.4  | 47.0  |
| 71      | 34.8  | 28.6  | 43.0  |

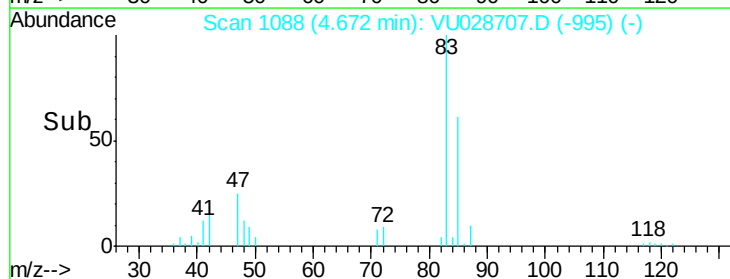
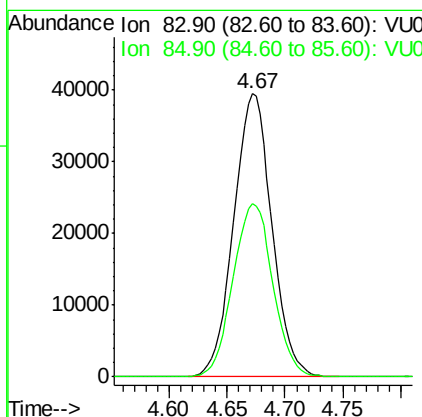
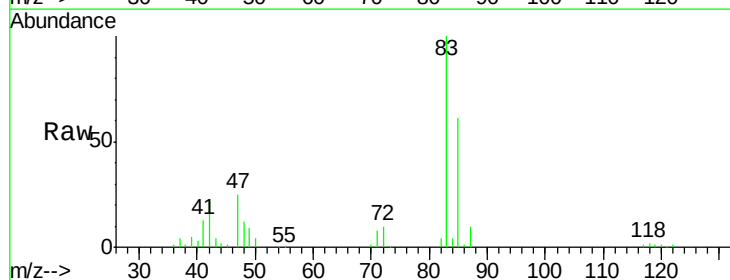
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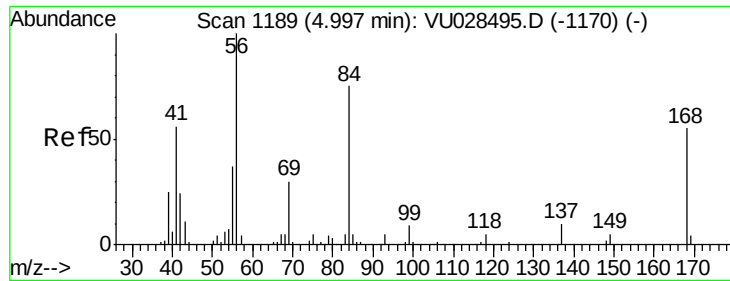
MMDadoda  
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#30  
Chloroform  
Concen: 52.678 ug/l  
RT: 4.67 min Scan# 1088  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.1  | 53.6  | 80.4  |





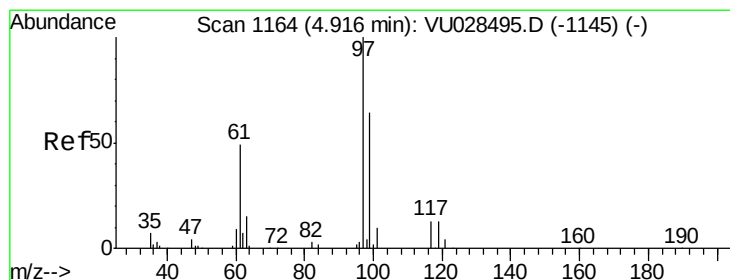
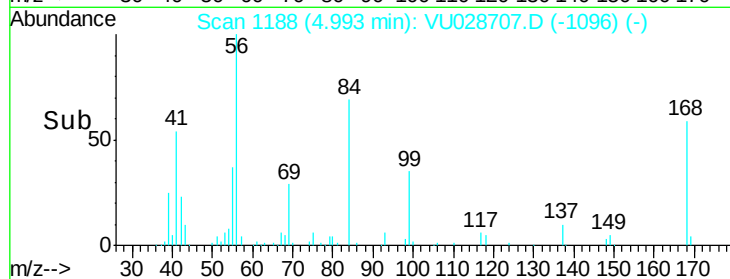
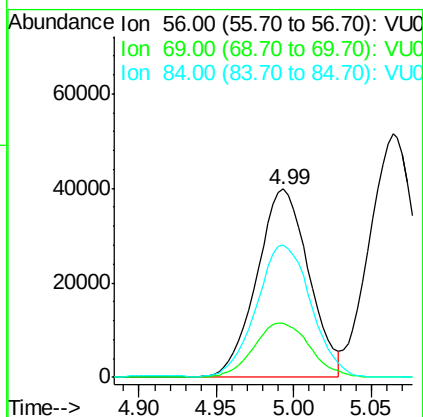
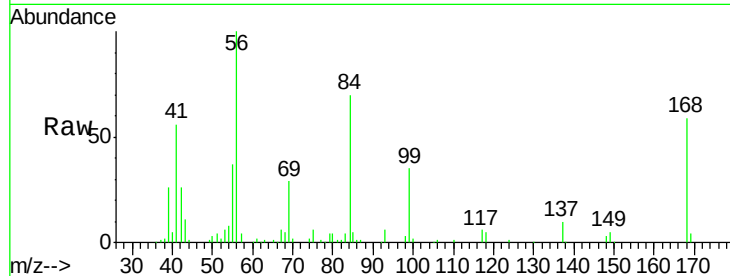
#31  
Cyclohexane  
Concen: 48.658 ug/l  
RT: 4.99 min Scan# 1188  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 28.7  | 24.0  | 36.0  |
| 84      | 69.5  | 59.7  | 89.5  |

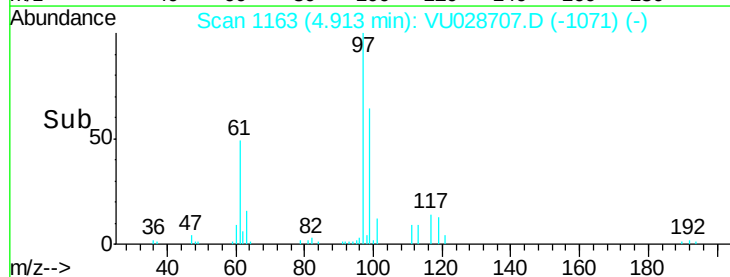
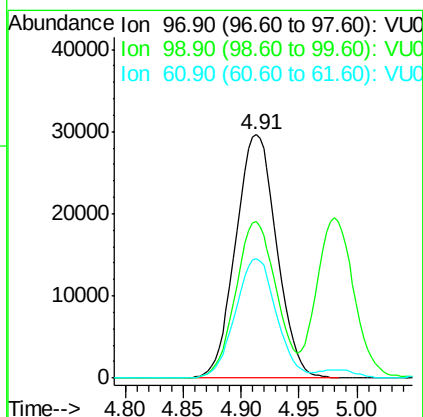
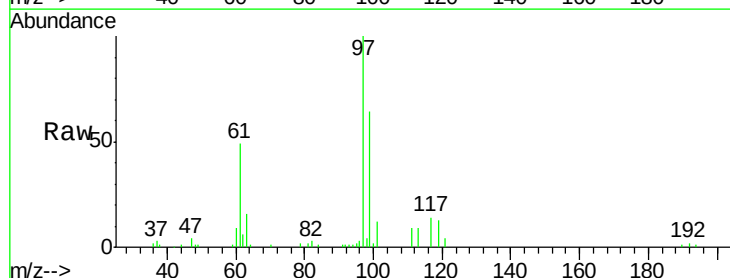
Manual Integrations  
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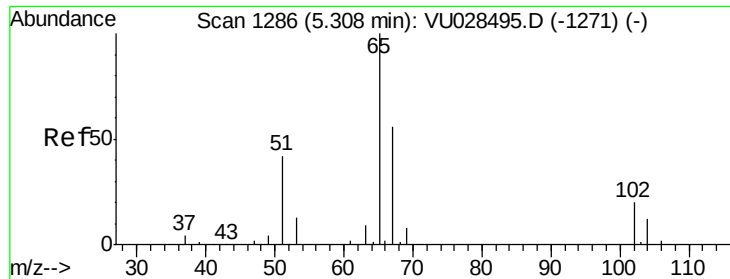
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12/17/2018 9:49:03 AM



#32  
1,1,1-Trichloroethane  
Concen: 51.247 ug/l  
RT: 4.91 min Scan# 1163  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.5  | 52.3  | 78.5  |
| 61      | 49.3  | 39.0  | 58.6  |





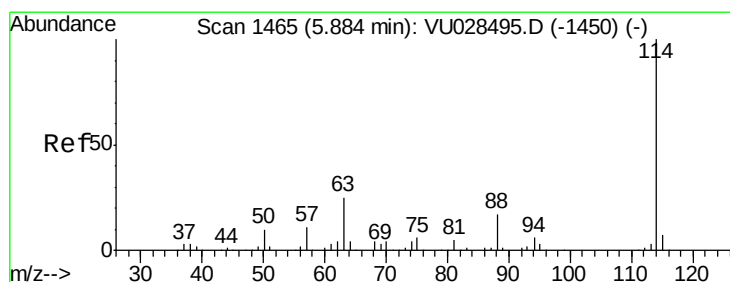
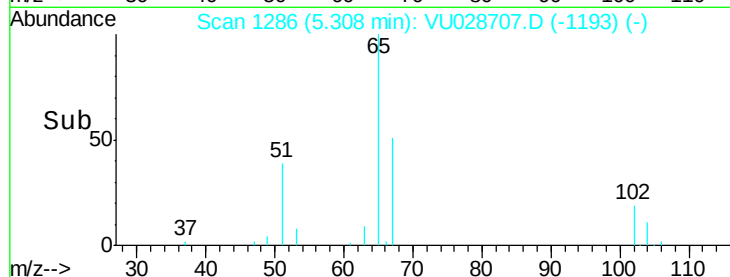
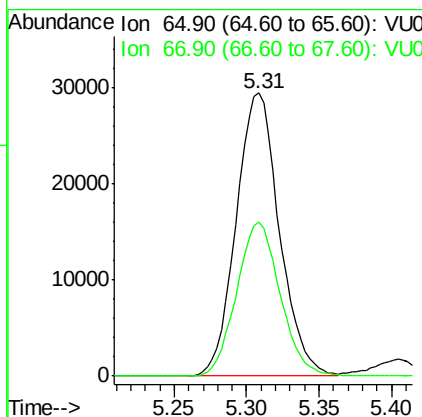
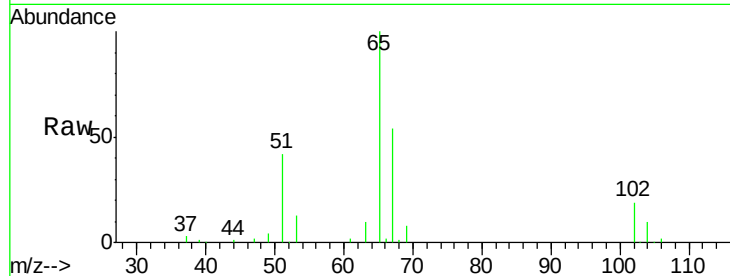
#33  
 1,2-Dichloroethane-d4  
 Concen: 54.399 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 65 Resp: 60890  
 Ion Ratio Lower Upper  
 65 100  
 67 54.8 0.0 110.6

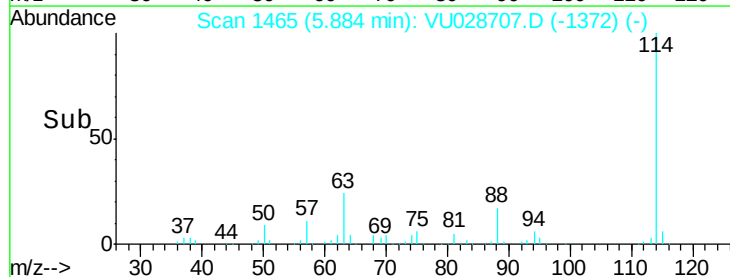
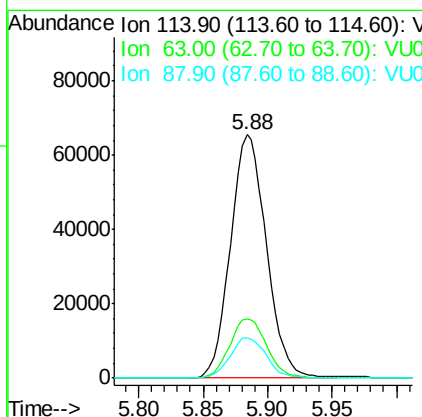
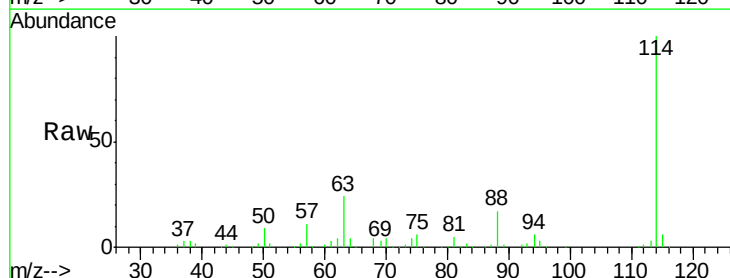
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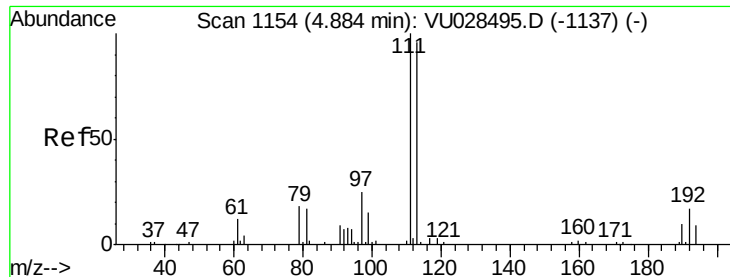
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Tgt Ion: 114 Resp: 126830  
 Ion Ratio Lower Upper  
 114 100  
 63 24.5 0.0 49.2  
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 55.361 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

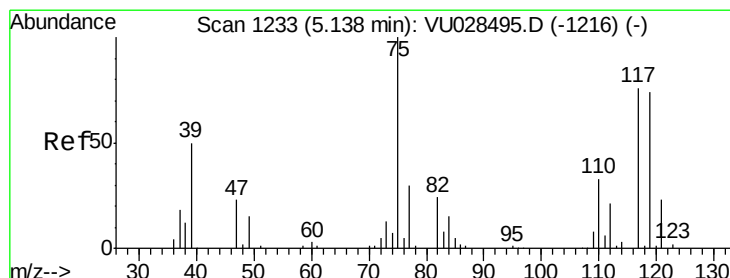
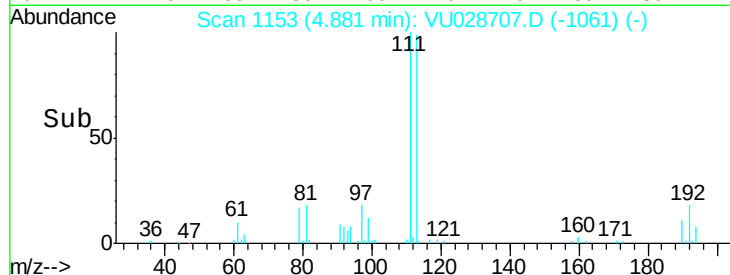
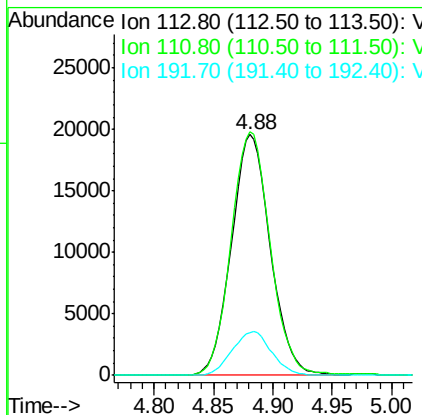
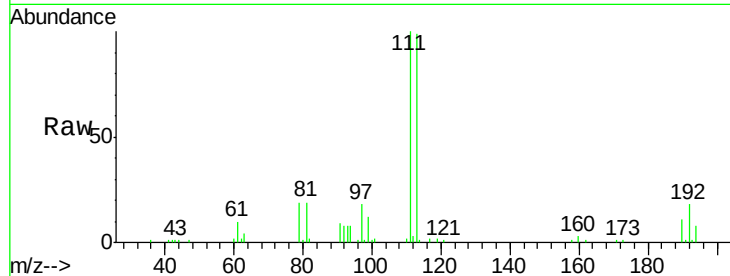
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 44186 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 101.5 | 83.4  | 125.0 |
| 192       | 18.4  | 14.8  | 22.2  |

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#36

1,1-Dichloropropene

Concen: 48.797 ug/l

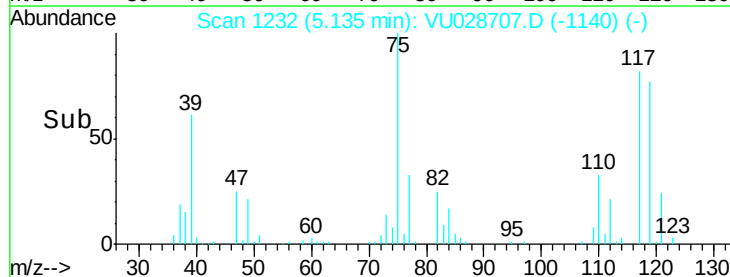
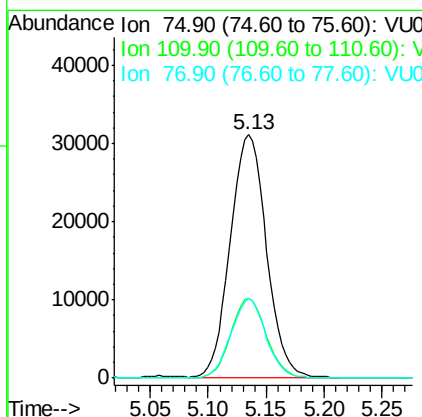
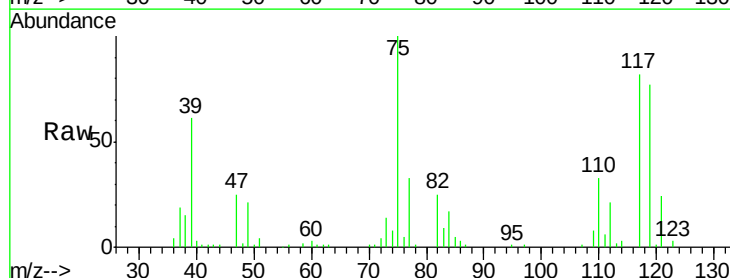
RT: 5.13 min Scan# 1232

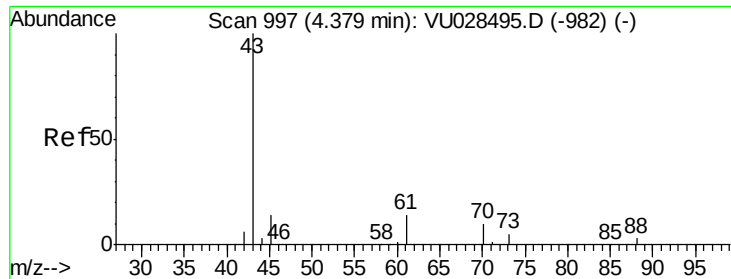
Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 67724 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 31.9  | 16.1  | 48.2  |
| 77        | 31.2  | 24.5  | 36.7  |





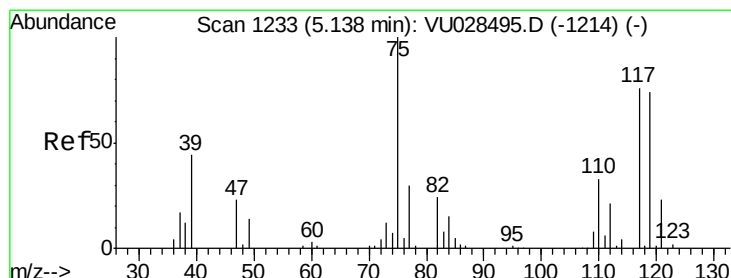
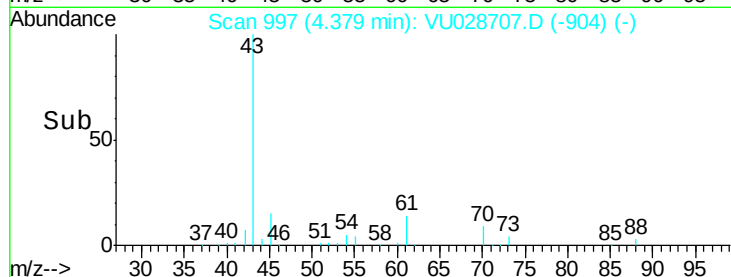
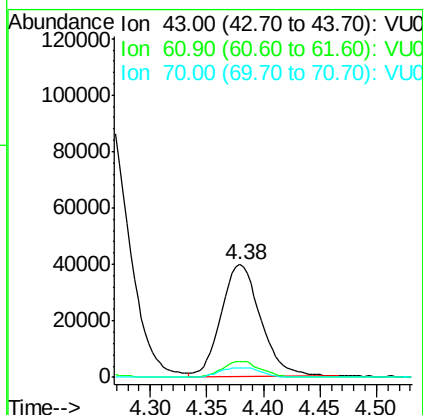
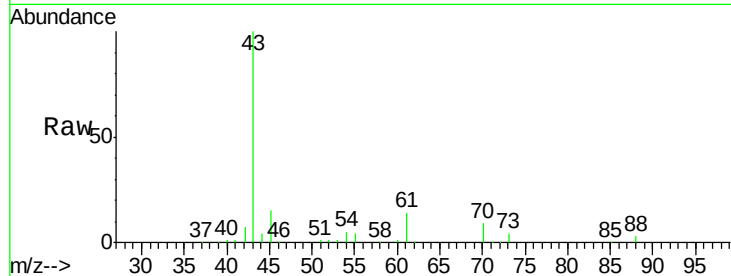
#37  
Ethyl Acetate  
Concen: 53.640 ug/l  
RT: 4.38 min Scan# 997  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 11.0  | 16.4  |
| 70      | 9.3   | 7.4   | 11.0  |

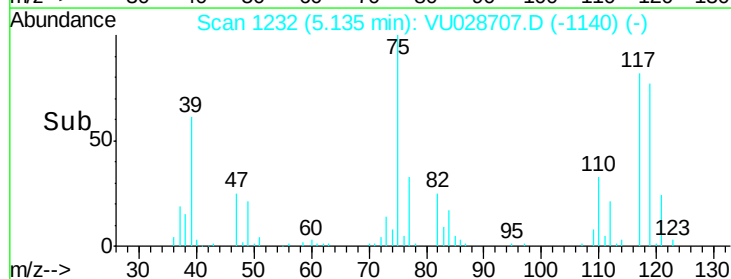
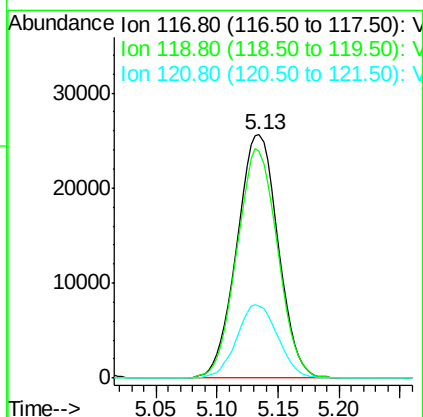
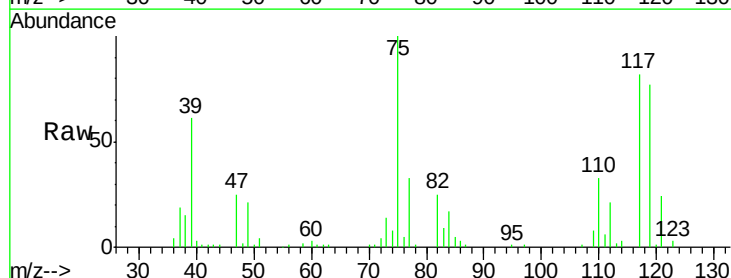
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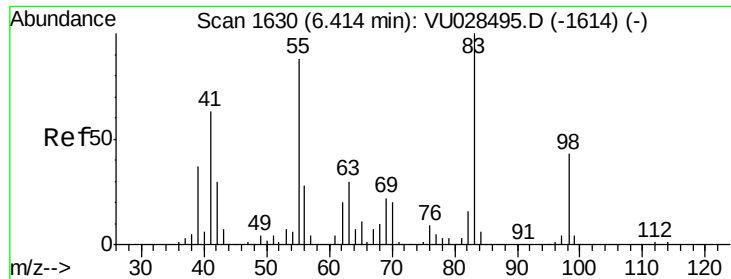


#38  
Carbon Tetrachloride  
Concen: 53.596 ug/l  
RT: 5.13 min Scan# 1232  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.3  | 77.6  | 116.4 |
| 121     | 29.7  | 24.6  | 36.8  |







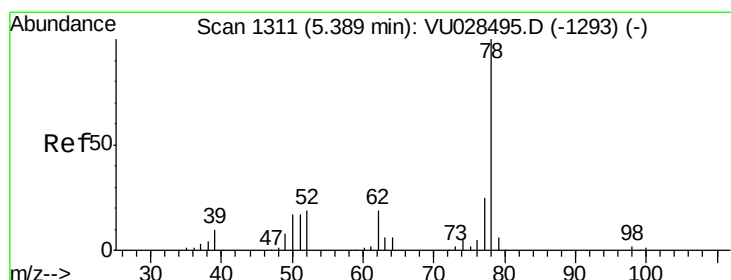
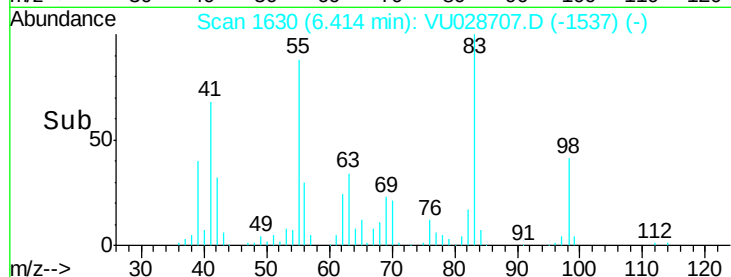
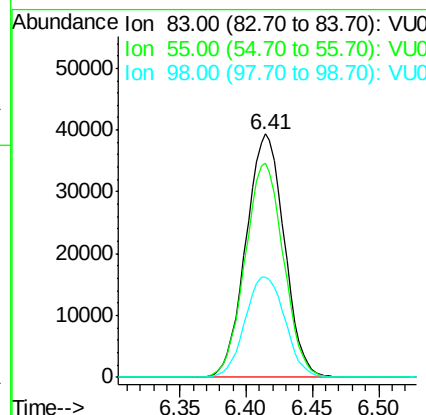
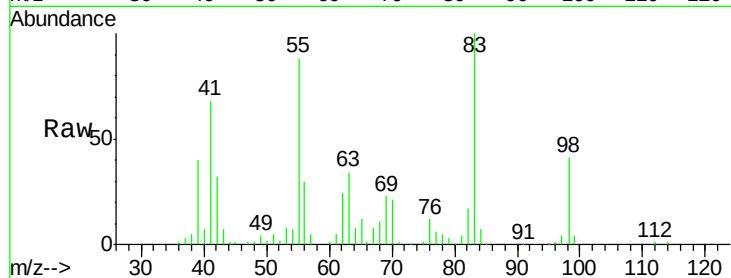
#39  
Methylcyclohexane  
Concen: 46.806 ug/l  
RT: 6.41 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 88.1  | 70.2  | 105.2 |
| 98      | 41.3  | 34.2  | 51.4  |

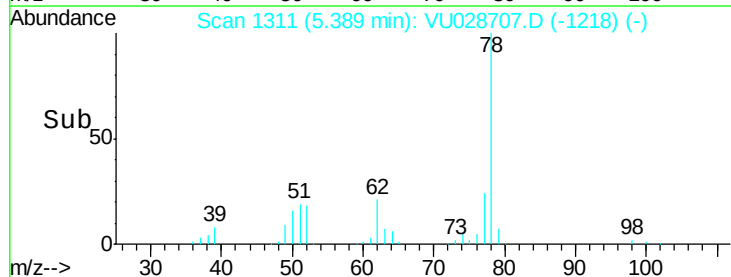
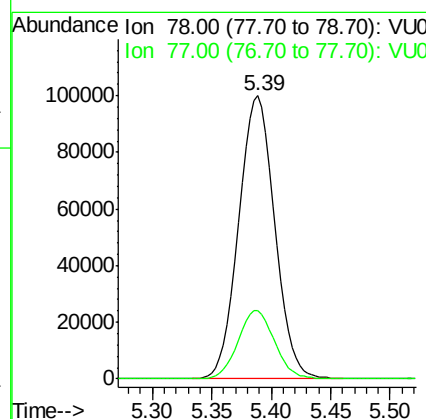
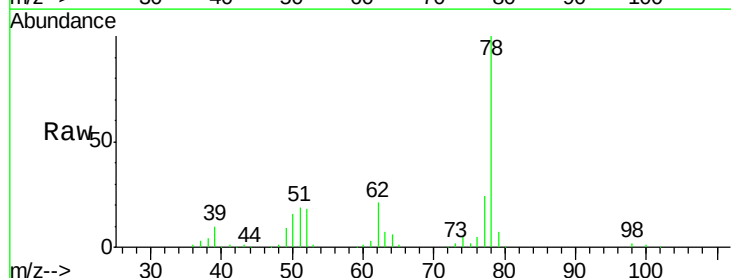
Manual Integrations  
APPROVED

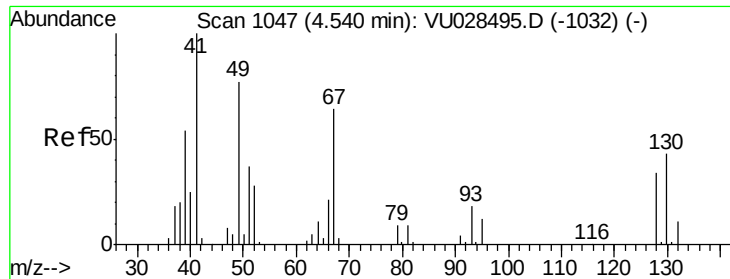
MMDadoda  
12/17/2018 9:49:03 AM



#40  
Benzene  
Concen: 51.416 ug/l  
RT: 5.39 min Scan# 1311  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

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





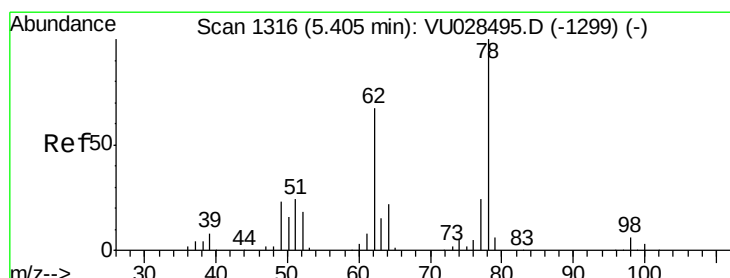
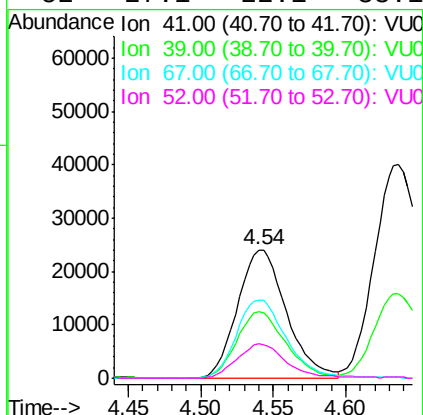
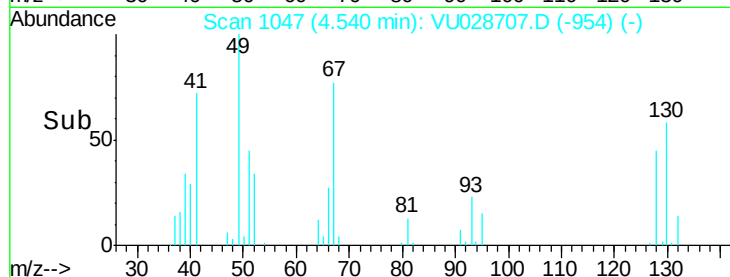
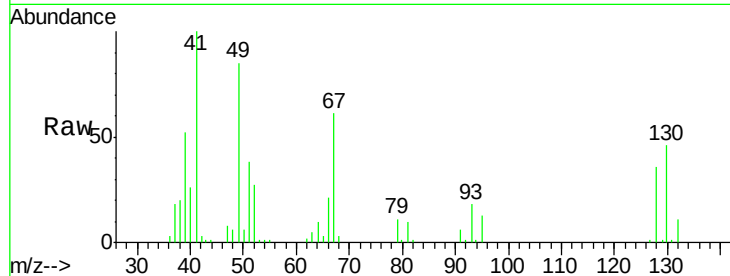
#41  
Methacrylonitrile  
Concen: 57.549 ug/l  
RT: 4.54 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 52.0  | 43.3  | 64.9  |
| 67      | 62.5  | 53.6  | 80.4  |
| 52      | 27.1  | 22.1  | 33.1  |

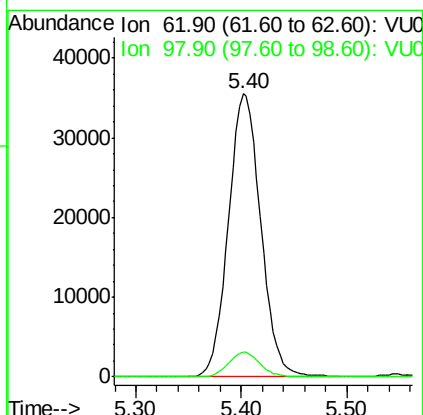
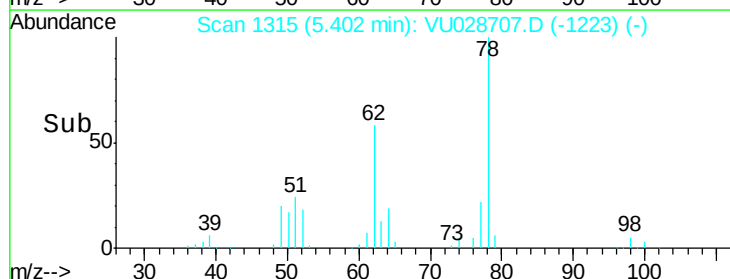
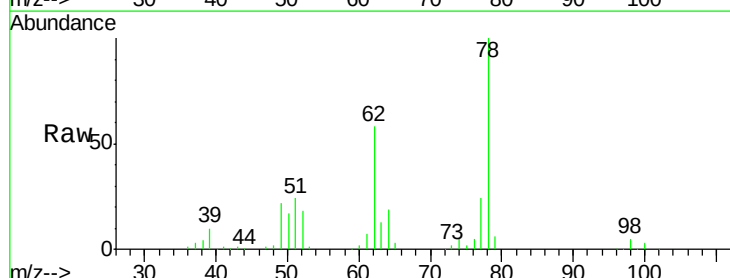
Manual Integrations  
APPROVED

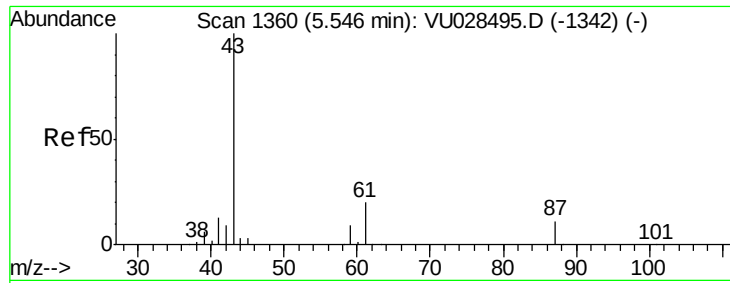
MMDadoda  
12/17/2018 9:49:03 AM



#42  
1,2-Dichloroethane  
Concen: 52.732 ug/l  
RT: 5.40 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

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





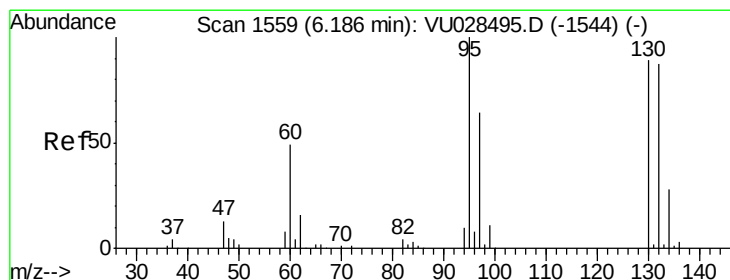
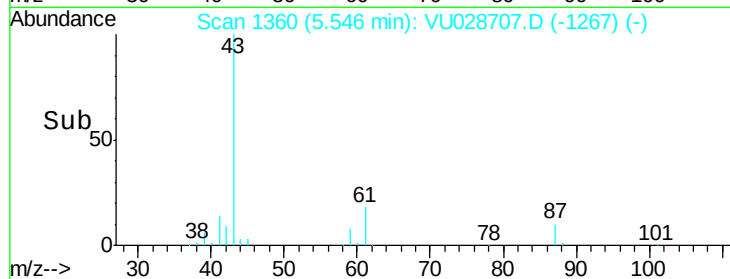
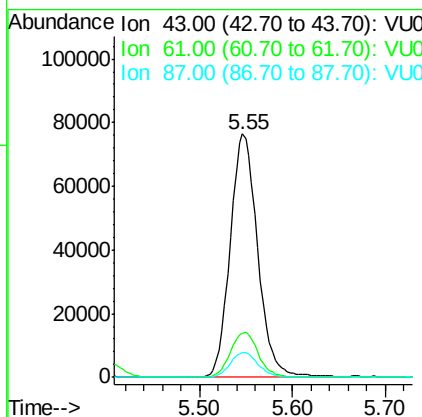
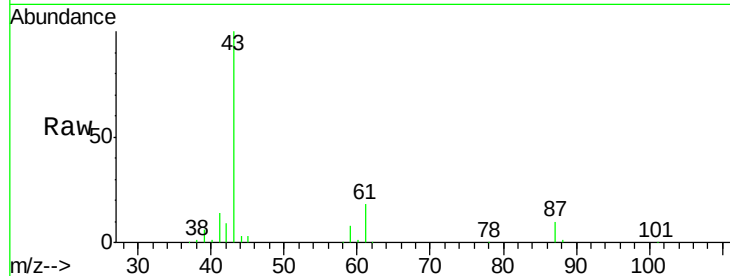
#43  
Isopropyl Acetate  
Concen: 55.530 ug/l  
RT: 5.55 min Scan# 1360  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.7  | 15.5  | 23.3  |
| 87      | 10.2  | 8.7   | 13.1  |

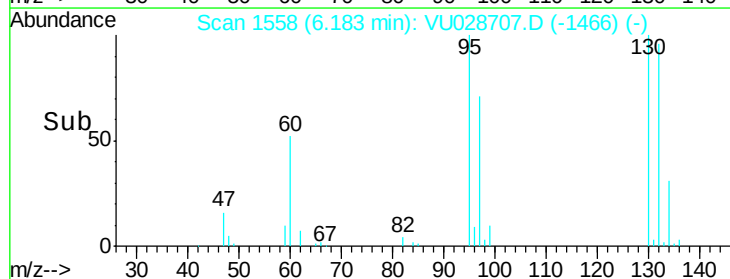
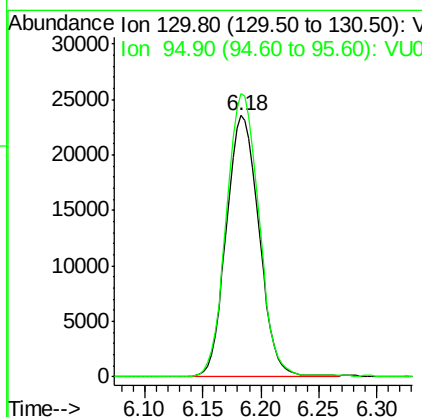
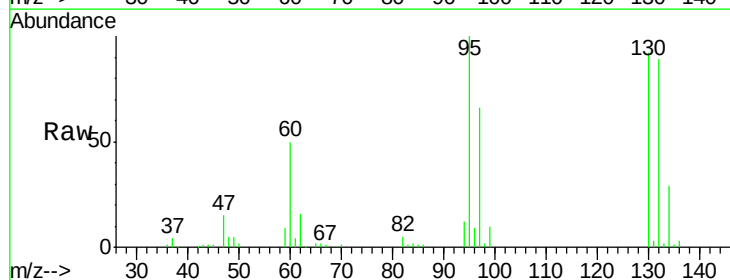
Manual Integrations  
APPROVED

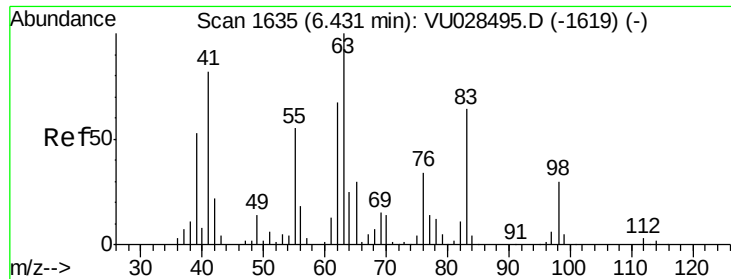
MMDadoda  
12/17/2018 9:49:03 AM



#44  
Trichloroethene  
Concen: 50.677 ug/l  
RT: 6.18 min Scan# 1558  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 108.3 | 0.0   | 224.0 |





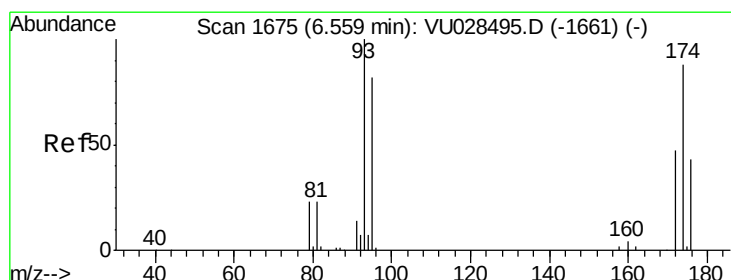
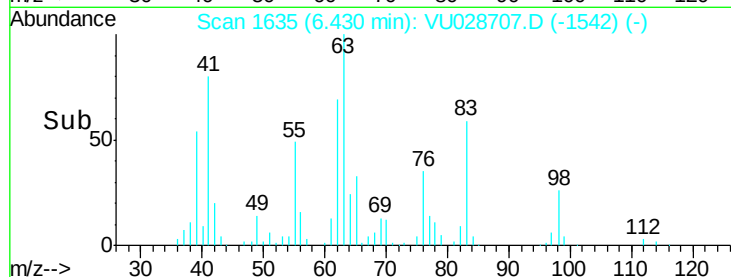
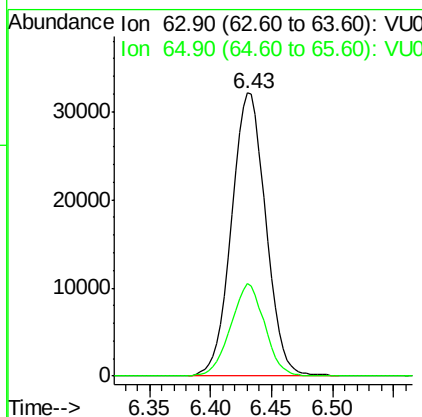
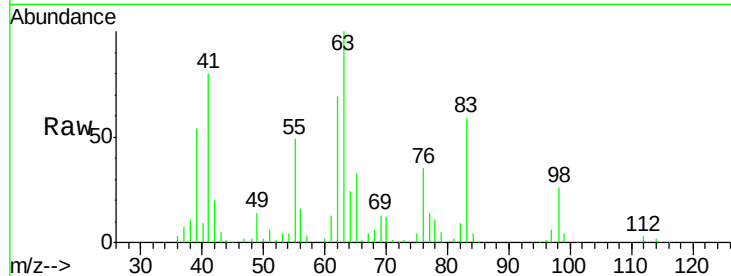
#45  
 1,2-Dichloropropane  
 Concen: 54.464 ug/l  
 RT: 6.43 min Scan# 1635  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 63 Resp: 62605  
 Ion Ratio Lower Upper  
 63 100  
 65 32.7 24.2 36.4

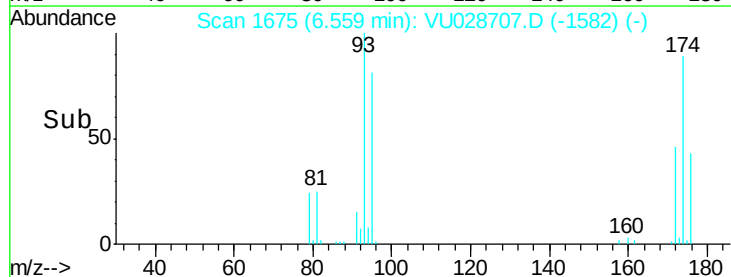
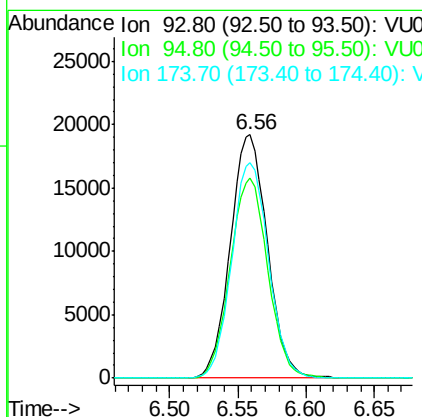
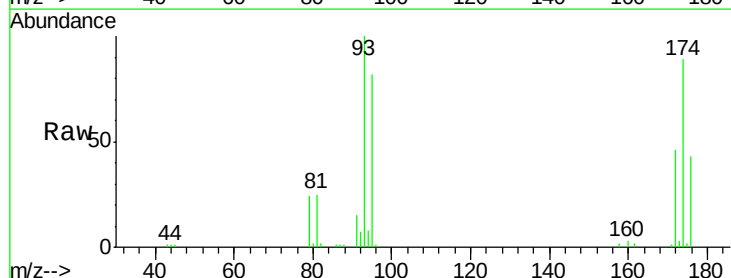
Manual Integrations  
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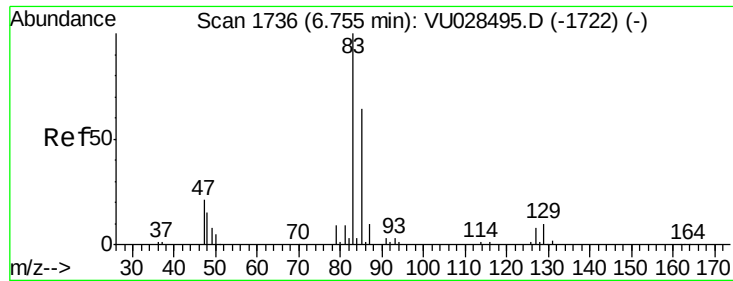
MMDadoda  
 12/17/2018 9:49:03 AM



#46  
 Dibromomethane  
 Concen: 53.238 ug/l  
 RT: 6.56 min Scan# 1675  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Tgt Ion: 93 Resp: 36309  
 Ion Ratio Lower Upper  
 93 100  
 95 83.0 65.4 98.2  
 174 87.9 72.2 108.4





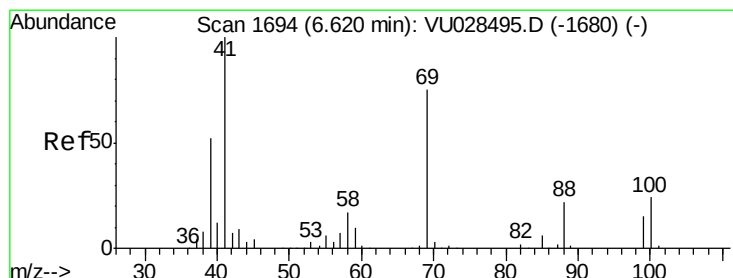
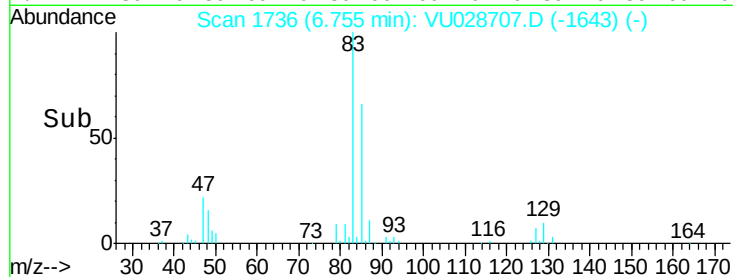
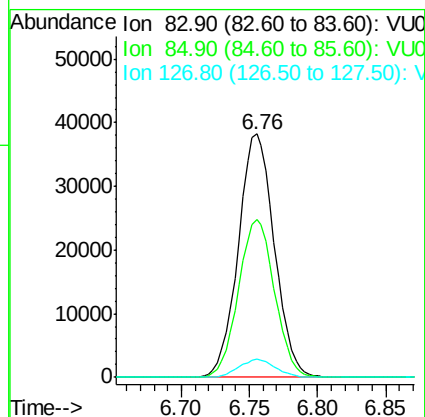
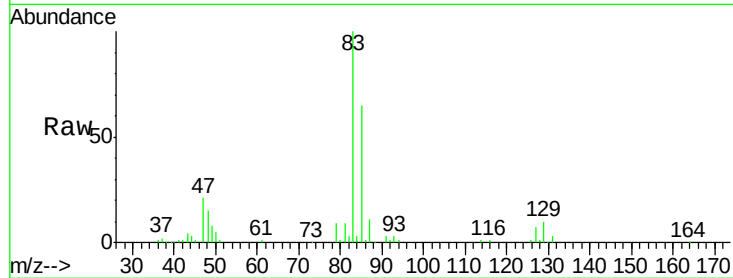
#47  
 Bromodichloromethane  
 Concen: 52.846 ug/l  
 RT: 6.76 min Scan# 1736  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.0  | 51.5  | 77.3  |
| 127     | 7.3   | 6.2   | 9.4   |

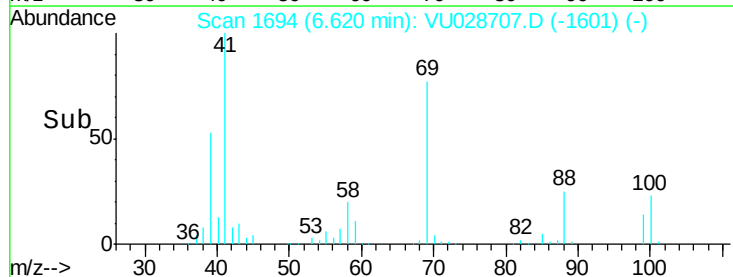
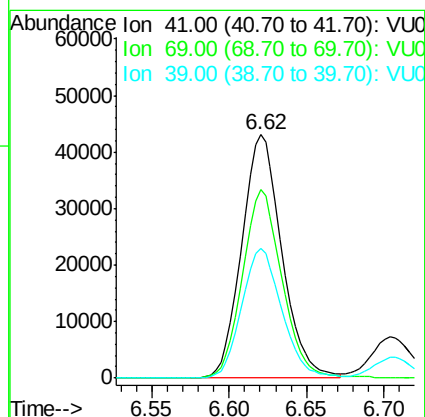
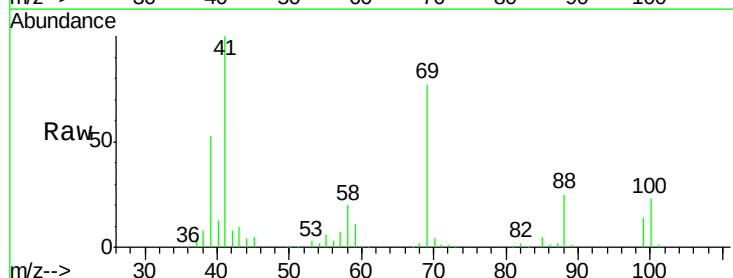
Manual Integrations  
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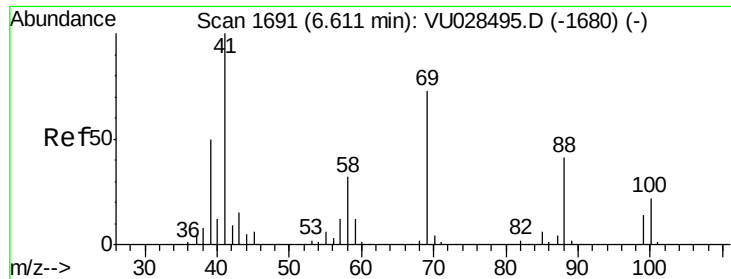
MMDadoda  
 12/17/2018 9:49:03 AM



#48  
 Methyl methacrylate  
 Concen: 55.026 ug/l  
 RT: 6.62 min Scan# 1694  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 76.4  | 60.4  | 90.6  |
| 39      | 53.3  | 41.1  | 61.7  |





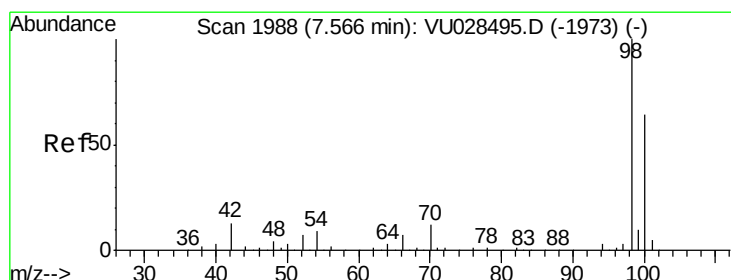
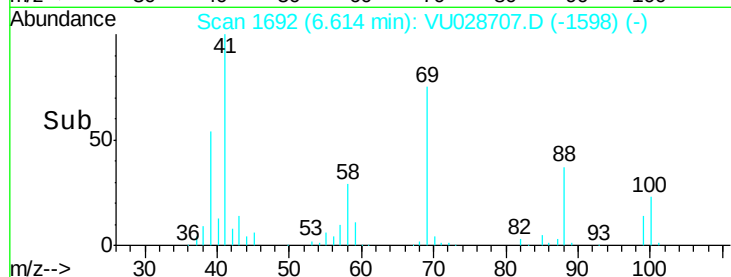
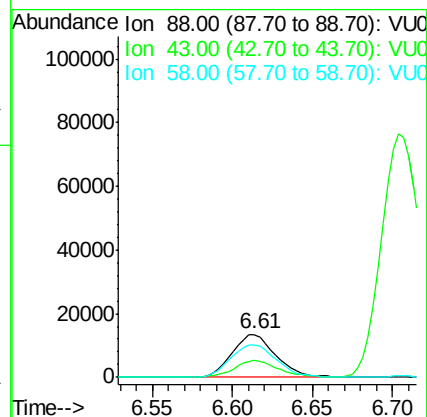
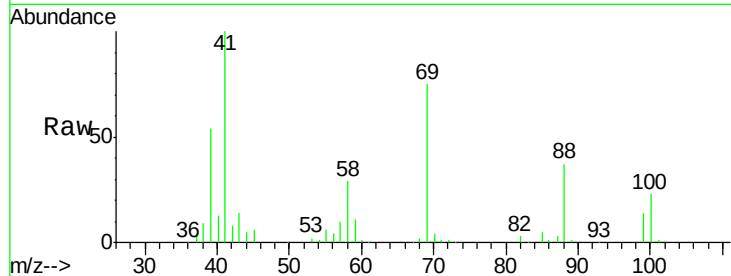
#49  
1,4-Dioxane  
Concen: 1131.186 ug/l  
RT: 6.61 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 40.6  | 30.9  | 46.3  |
| 58      | 80.0  | 62.4  | 93.6  |

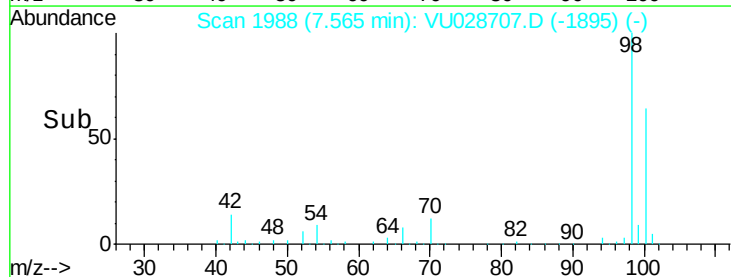
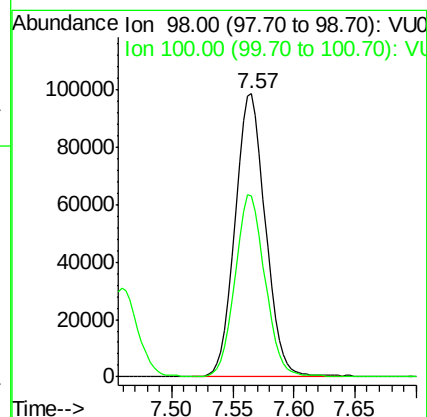
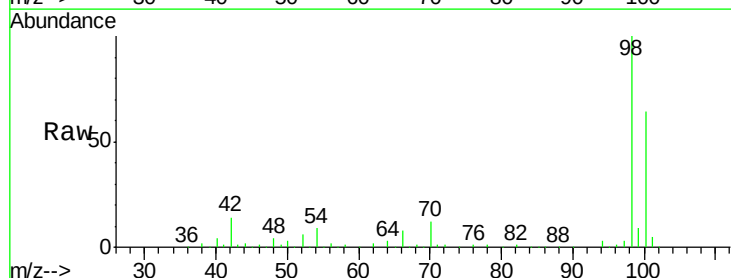
Manual Integrations  
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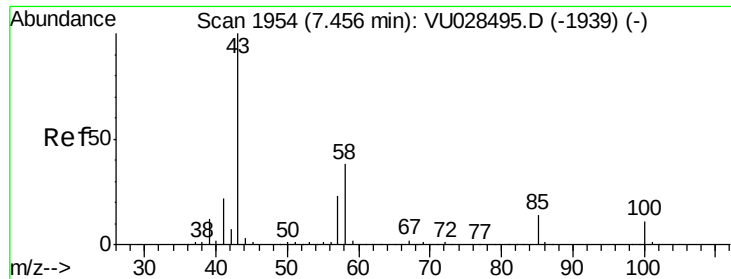
MMDadoda  
12/17/2018 9:49:03 AM



#50  
Toluene-d8  
Concen: 54.296 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.9  | 51.0  | 76.6  |





#51

4-Methyl-2-Pentanone

Concen: 284.125 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 508530

Ion Ratio Lower Upper

43 100

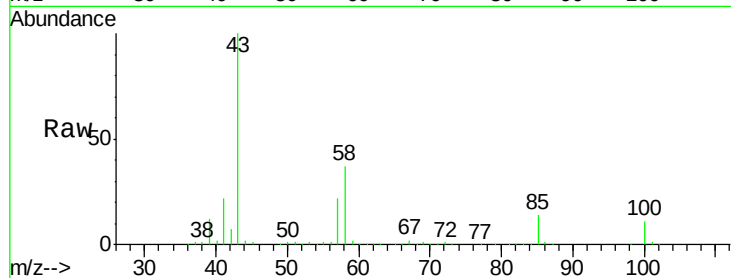
58 36.7 30.2 45.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

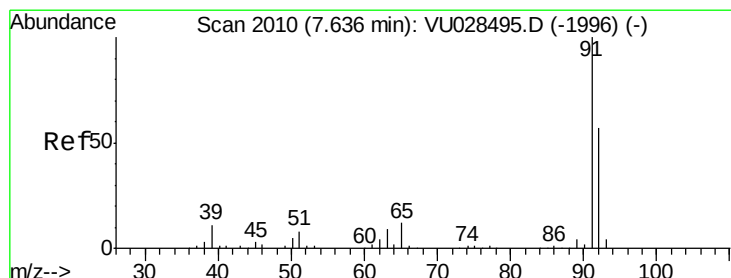
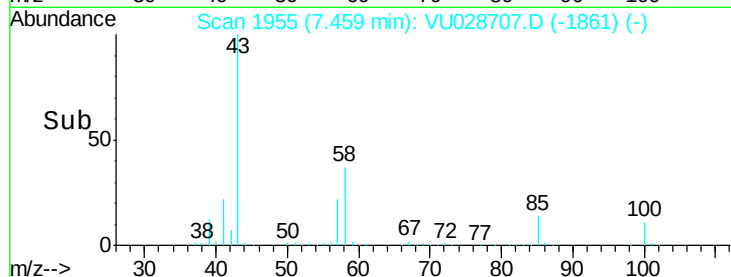
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.152 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028707.D

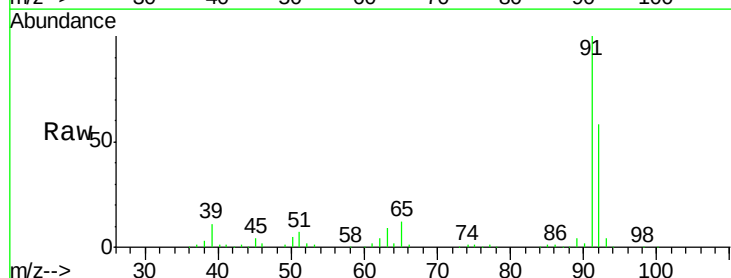
Acq: 15 Dec 2018 00:54

Tgt Ion: 92 Resp: 123053

Ion Ratio Lower Upper

92 100

91 177.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

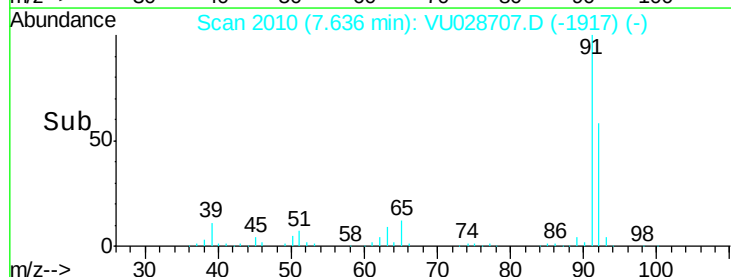
7.64

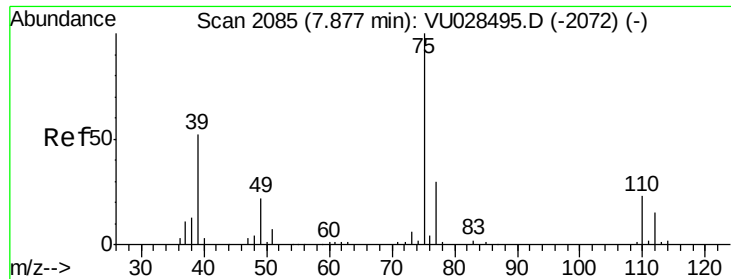
100000

50000

0

Time-->





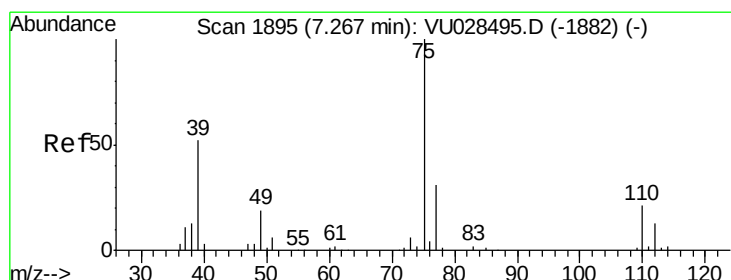
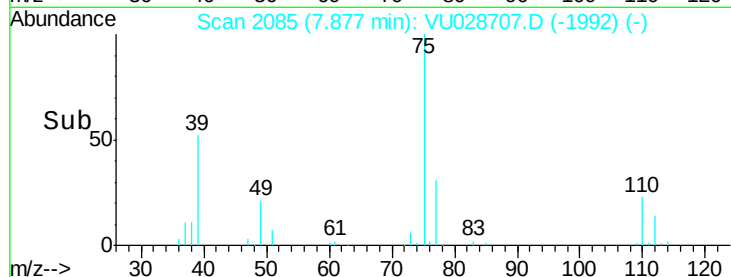
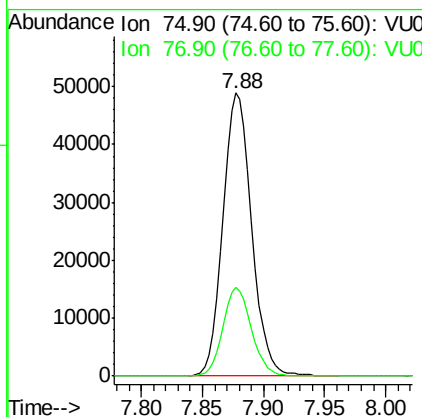
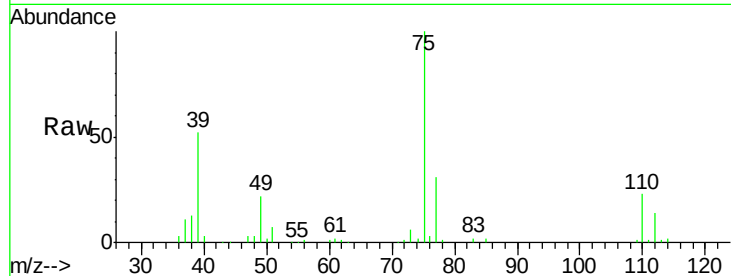
#53  
t-1,3-Dichloropropene  
Concen: 51.382 ug/l  
RT: 7.88 min Scan# 2085  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 75 Resp: 81215  
Ion Ratio Lower Upper  
75 100  
77 31.2 24.2 36.4

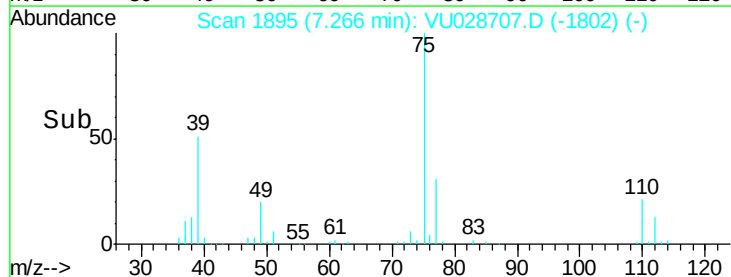
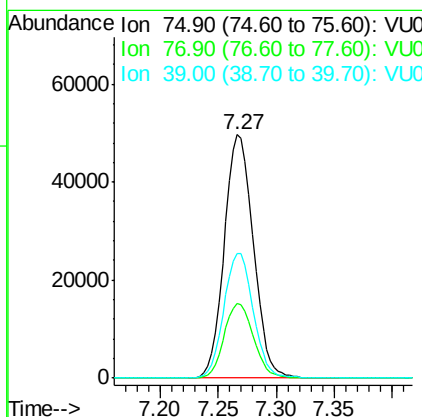
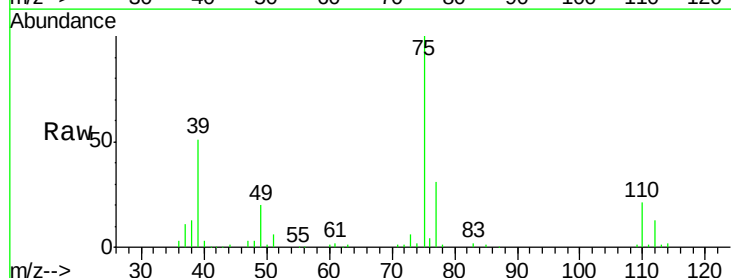
Manual Integrations  
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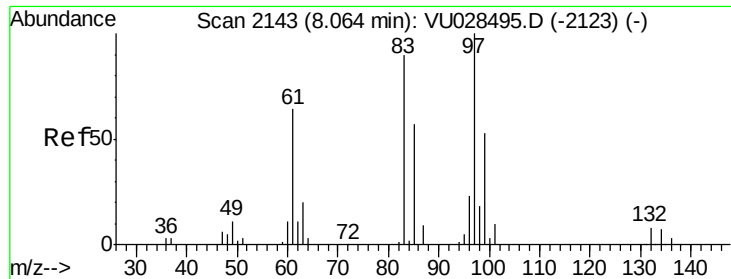


#54  
cis-1,3-Dichloropropene  
Concen: 50.538 ug/l  
RT: 7.27 min Scan# 1895  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Tgt Ion: 75 Resp: 86666  
Ion Ratio Lower Upper  
75 100  
77 30.6 25.0 37.4  
39 51.1 41.3 61.9







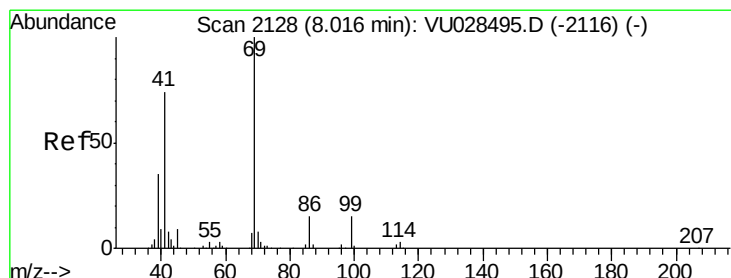
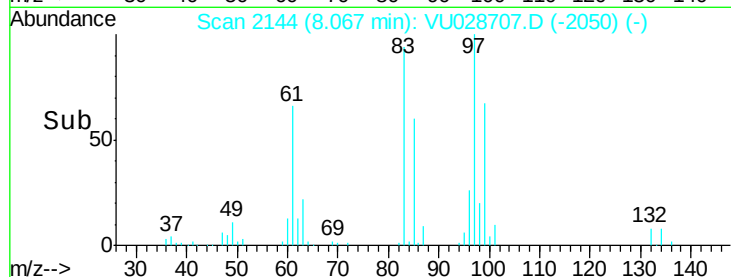
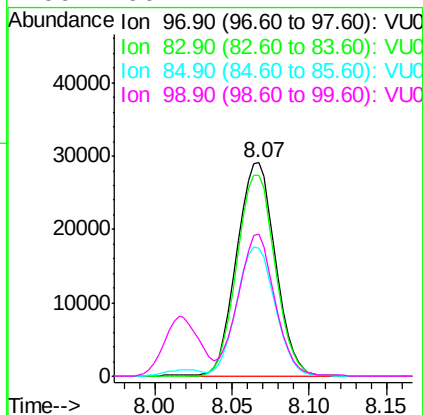
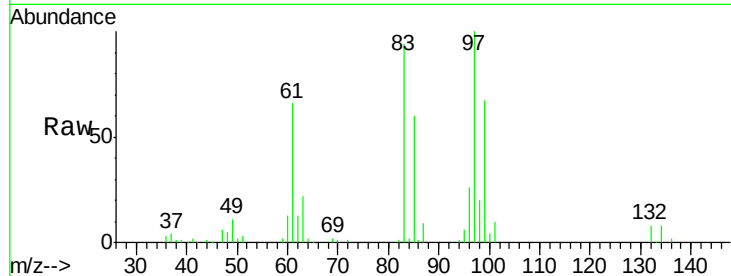
#55  
 1,1,2-Trichloroethane  
 Concen: 53.401 ug/l  
 RT: 8.07 min Scan# 2144  
 Delta R.T. 0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 94.0  | 72.4  | 108.6 |
| 85      | 59.9  | 46.0  | 69.0  |
| 99      | 66.2  | 47.4  | 71.2  |

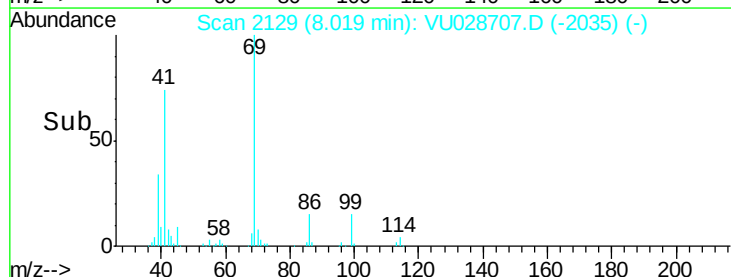
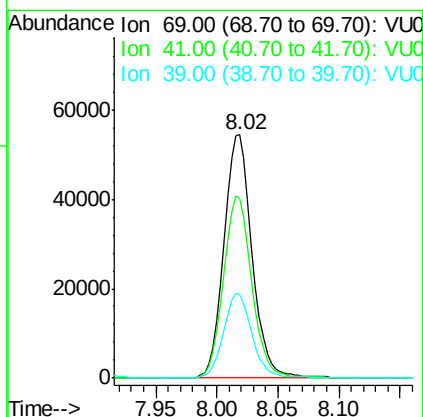
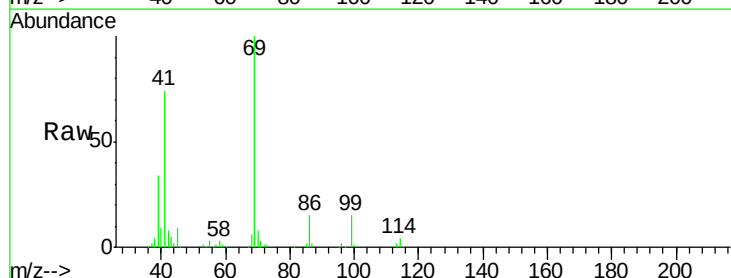
Manual Integrations  
 APPROVED

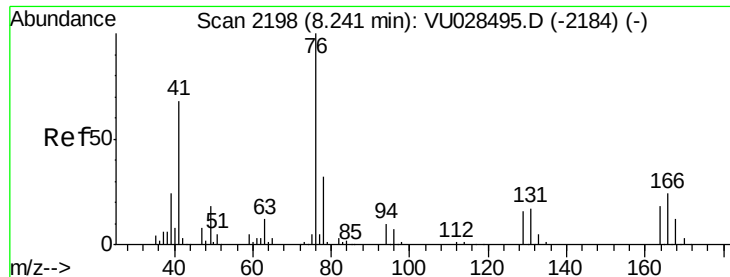
MMDadoda  
 12/17/2018 9:49:03 AM



#56  
 Ethyl methacrylate  
 Concen: 54.151 ug/l  
 RT: 8.02 min Scan# 2129  
 Delta R.T. 0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 75.7  | 59.1  | 88.7  |
| 39      | 35.6  | 28.4  | 42.6  |





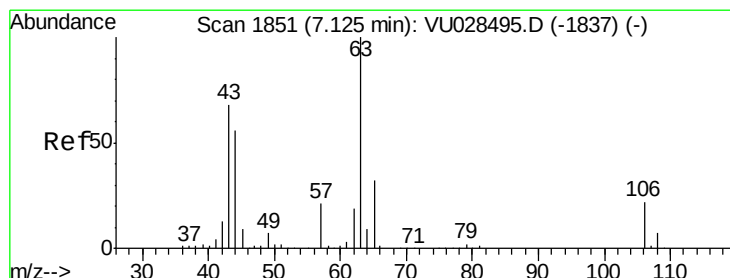
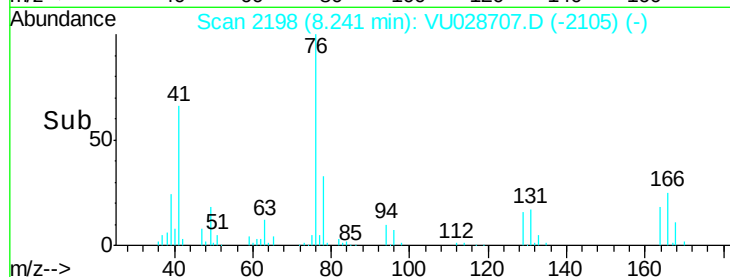
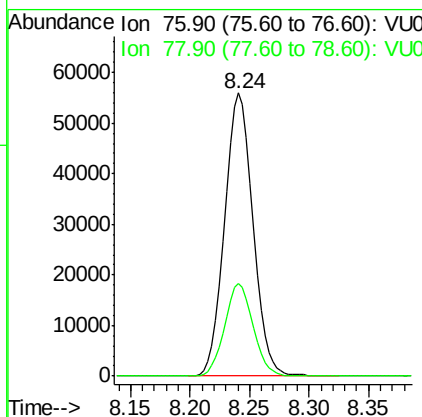
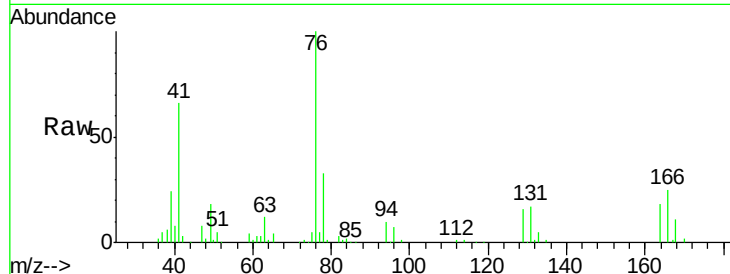
#57  
 1,3-Dichloropropane  
 Concen: 52.433 ug/l  
 RT: 8.24 min Scan# 2198  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 76 Resp: 92555  
 Ion Ratio Lower Upper  
 76 100  
 78 32.6 25.2 37.8

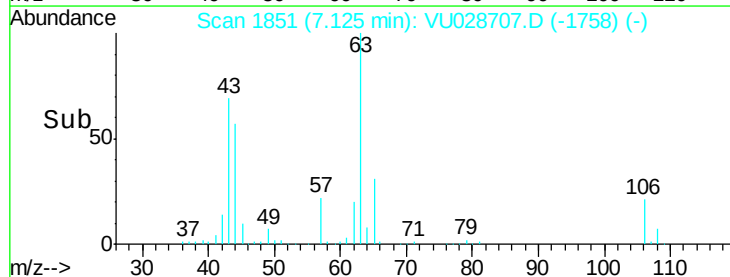
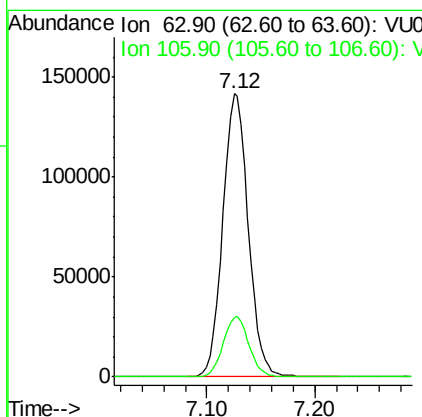
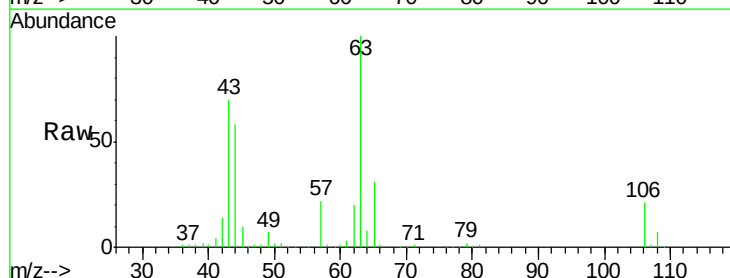
Manual Integrations  
 APPROVED

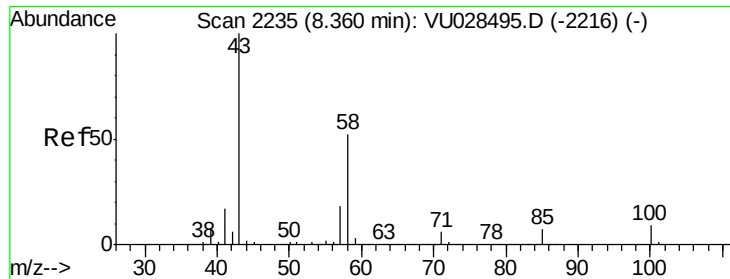
MMDadoda  
 12/17/2018 9:49:03 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 279.226 ug/l  
 RT: 7.12 min Scan# 1851  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Tgt Ion: 63 Resp: 232899  
 Ion Ratio Lower Upper  
 63 100  
 106 21.4 17.8 26.6





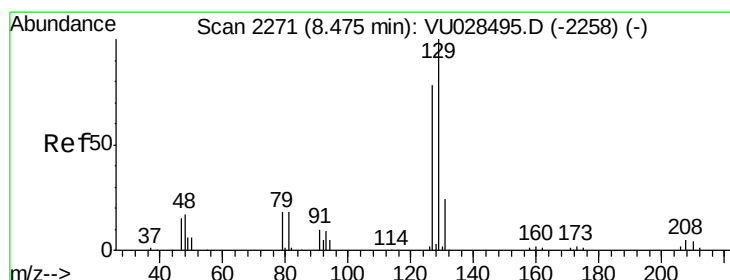
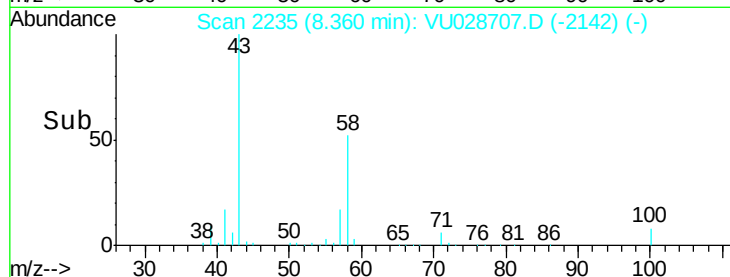
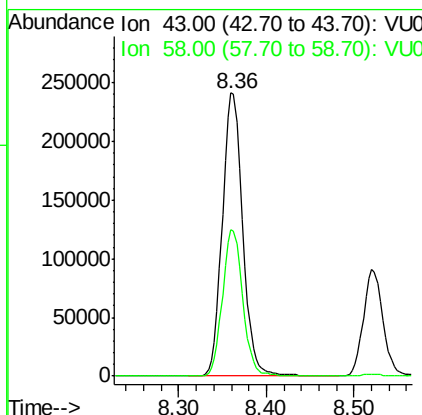
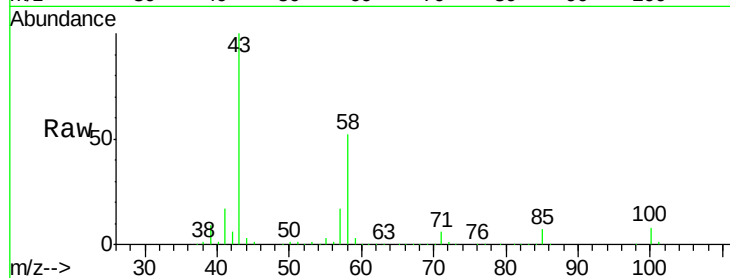
#59  
2-Hexanone  
Concen: 276.489 ug/l  
RT: 8.36 min Scan# 2235  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 392231  
Ion Ratio Lower Upper  
43 100  
58 51.4 25.9 77.6

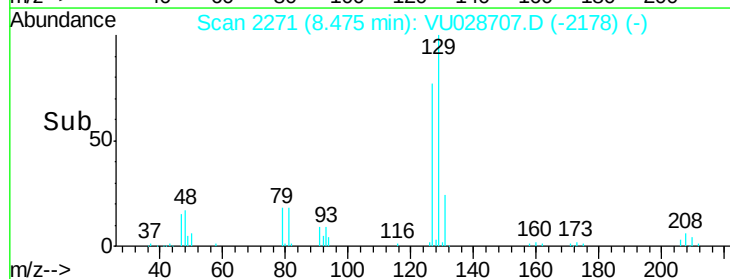
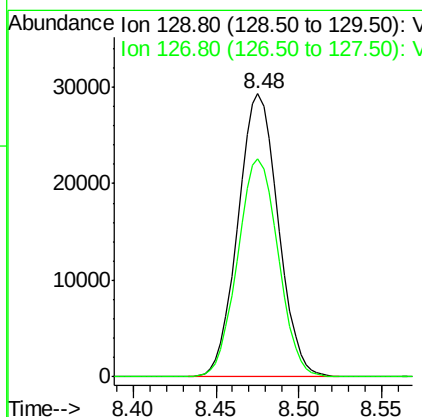
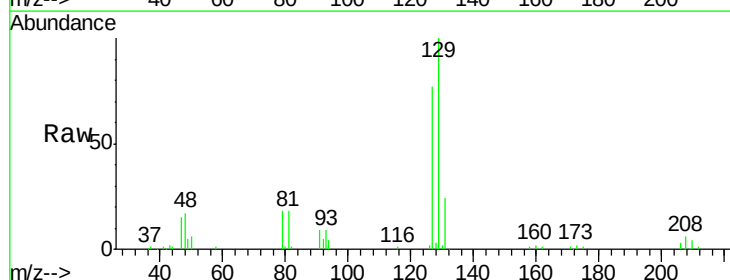
Manual Integrations  
APPROVED

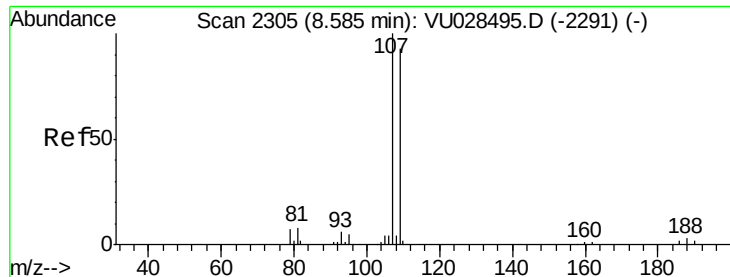
MMDadoda  
12/17/2018 9:49:03 AM



#60  
Dibromochloromethane  
Concen: 53.139 ug/l  
RT: 8.48 min Scan# 2271  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Tgt Ion: 129 Resp: 49474  
Ion Ratio Lower Upper  
129 100  
127 77.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.982 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 53831

Ion Ratio Lower Upper

107 100

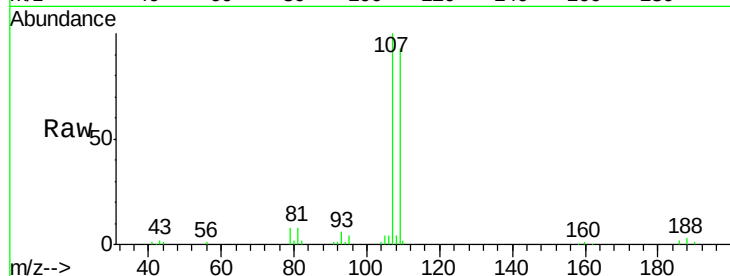
109 94.1 74.5 111.7

Manual Integrations

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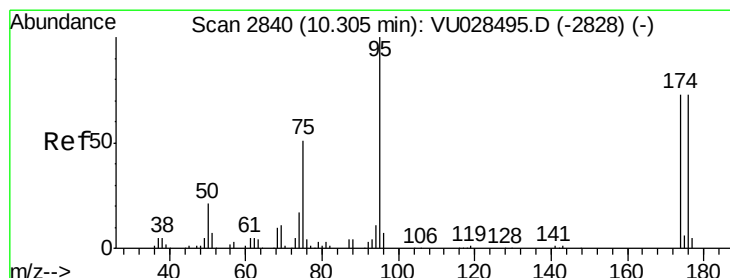
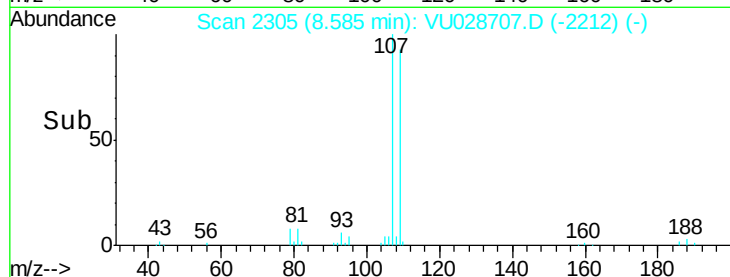
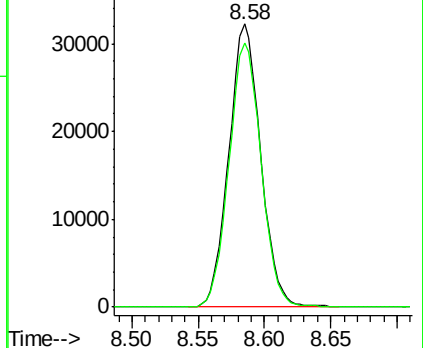
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.295 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

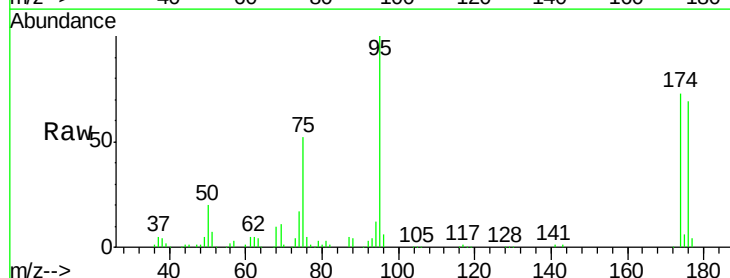
Tgt Ion: 95 Resp: 64074

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.4

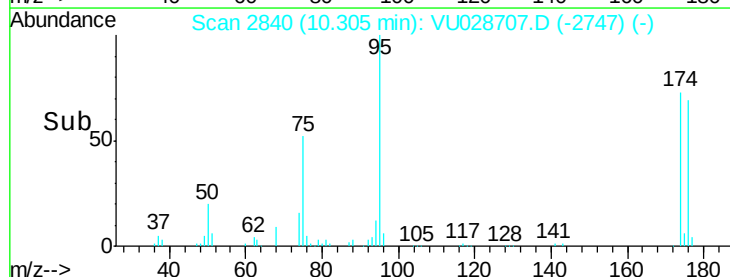
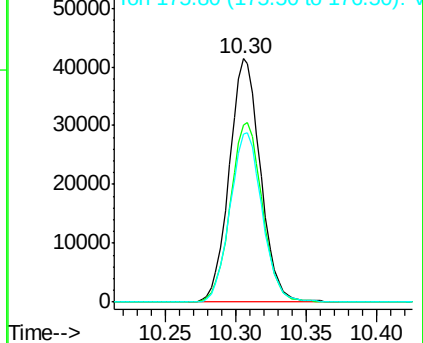
176 71.7 0.0 145.2

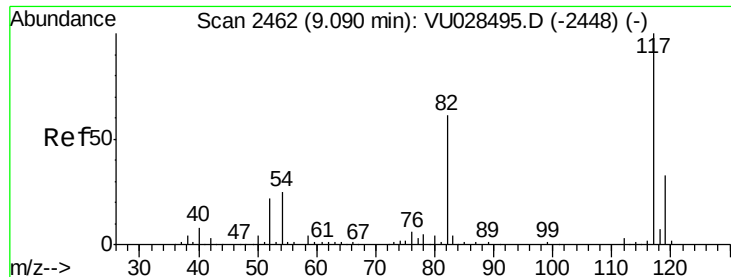


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





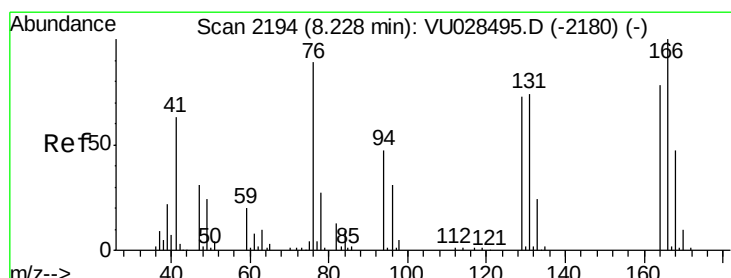
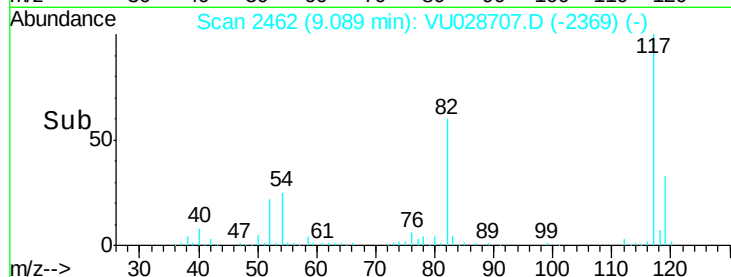
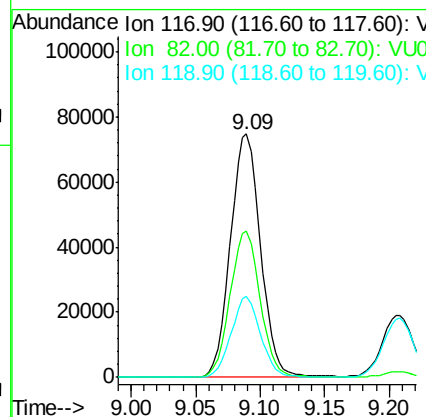
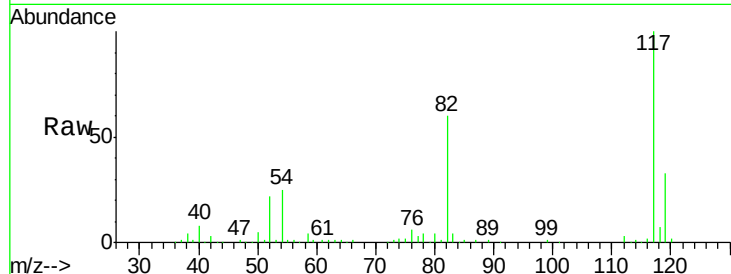
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.9  | 48.9  | 73.3  |
| 119     | 33.1  | 26.2  | 39.4  |

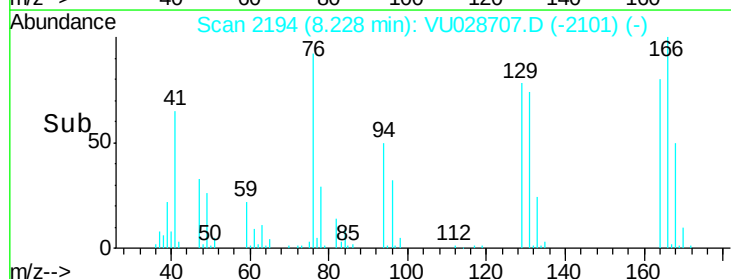
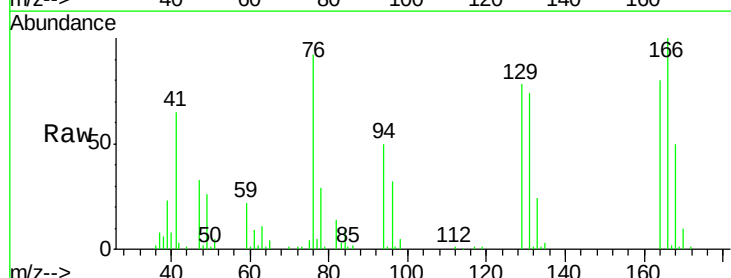
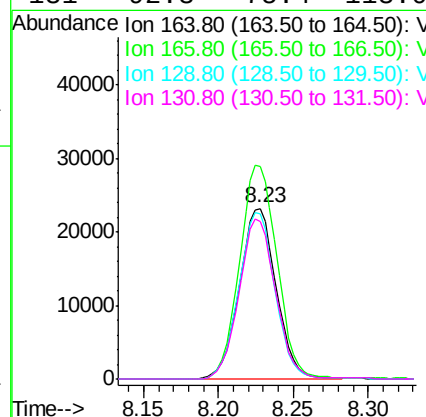
Manual Integrations  
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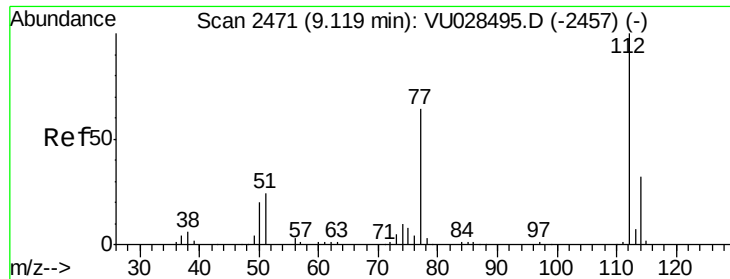
MMDadoda  
12/17/2018 9:49:03 AM



#64  
Tetrachloroethene  
Concen: 48.984 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 124.4 | 101.9 | 152.9 |
| 129     | 96.7  | 74.9  | 112.3 |
| 131     | 92.3  | 75.4  | 113.0 |





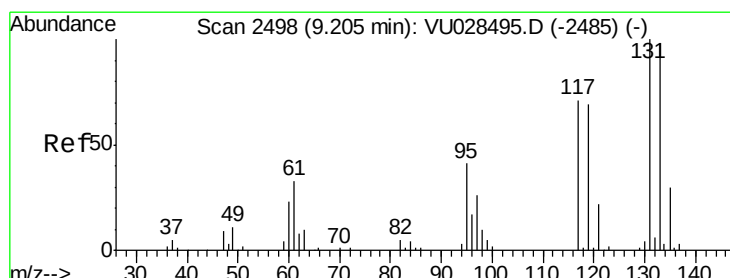
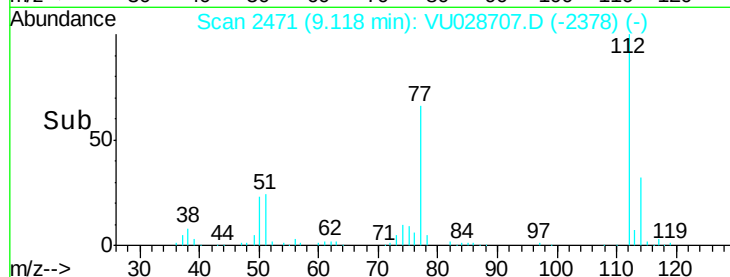
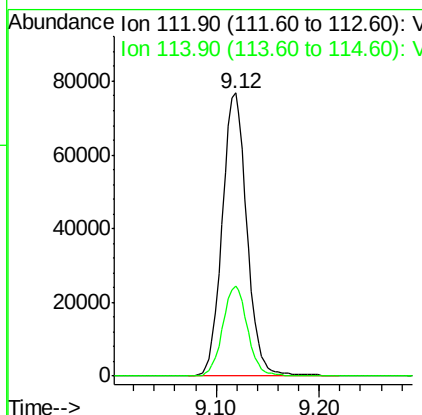
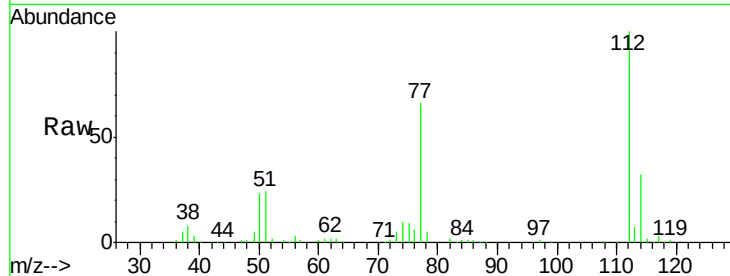
#65  
Chlorobenzene  
Concen: 49.565 ug/l  
RT: 9.12 min Scan# 2471  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:112 Resp: 128250  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.3 37.9

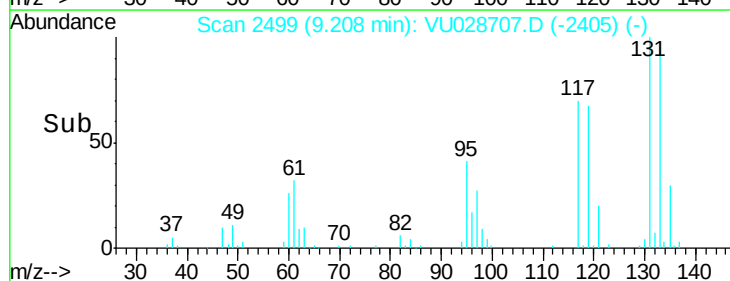
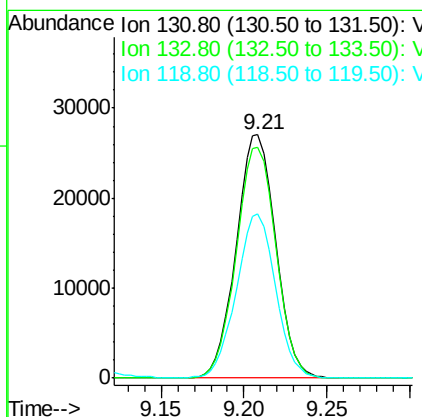
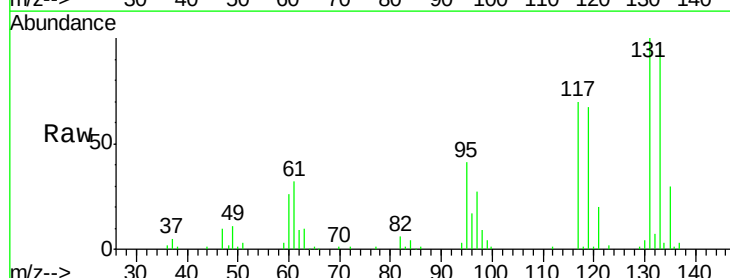
Manual Integrations  
APPROVED

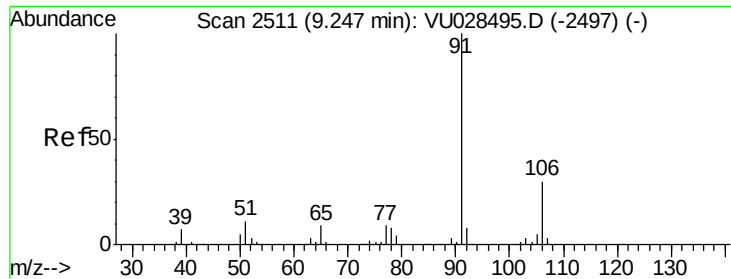
MMDadoda  
12/17/2018 9:49:03 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.295 ug/l  
RT: 9.21 min Scan# 2499  
Delta R.T. 0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Tgt Ion:131 Resp: 44863  
Ion Ratio Lower Upper  
131 100  
133 95.5 48.0 144.0  
119 66.9 34.6 103.9





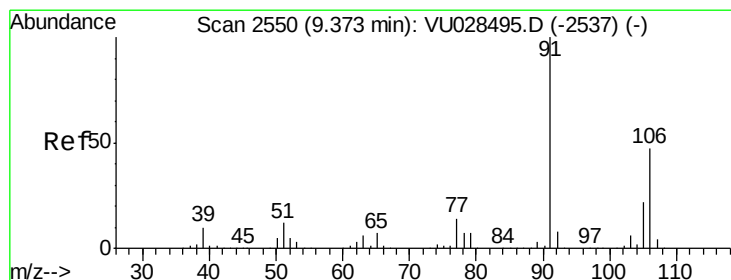
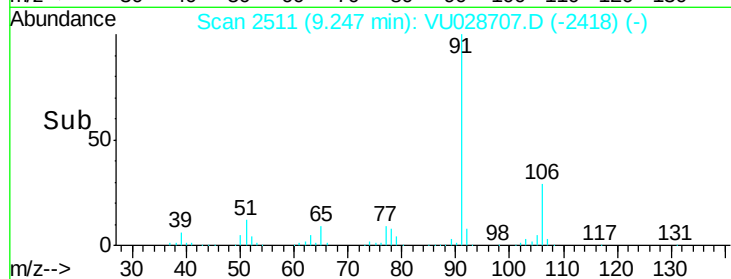
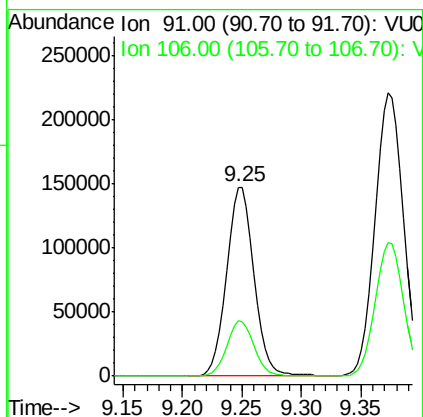
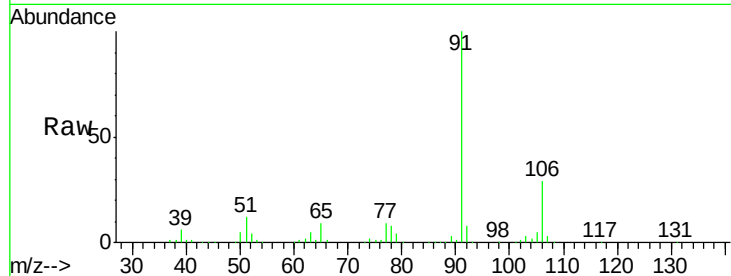
#67  
Ethyl Benzene  
Concen: 49.710 ug/l  
RT: 9.25 min Scan# 2511  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 91 Resp: 236455  
Ion Ratio Lower Upper  
91 100  
106 29.4 24.1 36.1

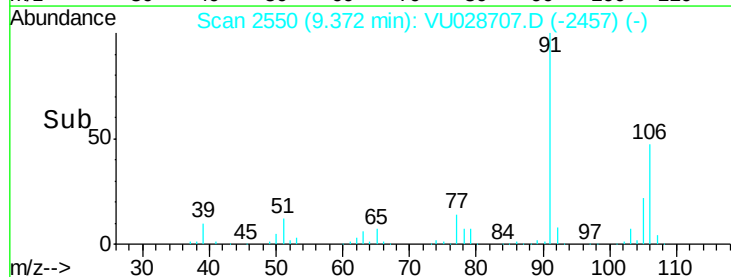
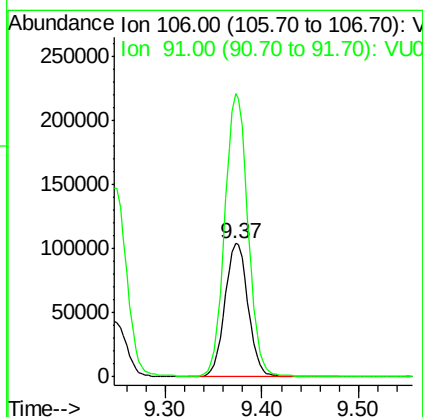
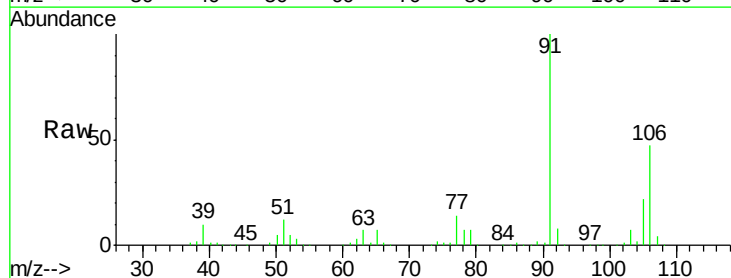
Manual Integrations  
APPROVED

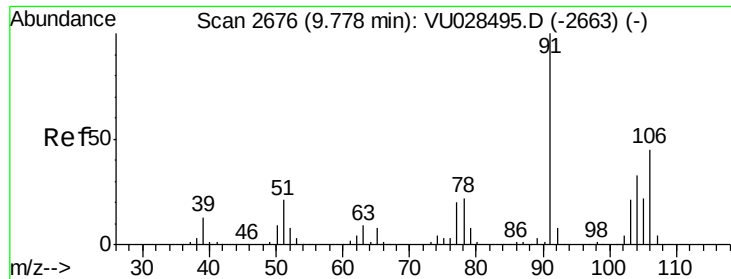
MMDadoda  
12/17/2018 9:49:03 AM



#68  
m/p-Xylenes  
Concen: 100.799 ug/l  
RT: 9.37 min Scan# 2550  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Tgt Ion: 106 Resp: 174467  
Ion Ratio Lower Upper  
106 100  
91 212.0 167.4 251.0





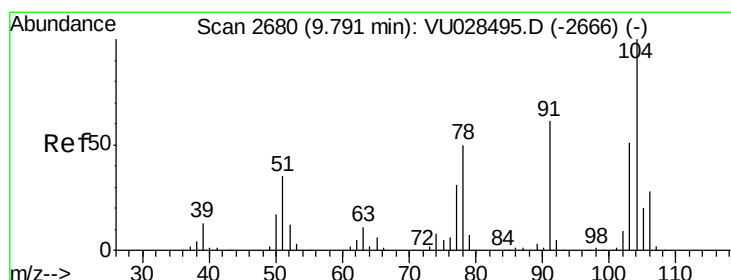
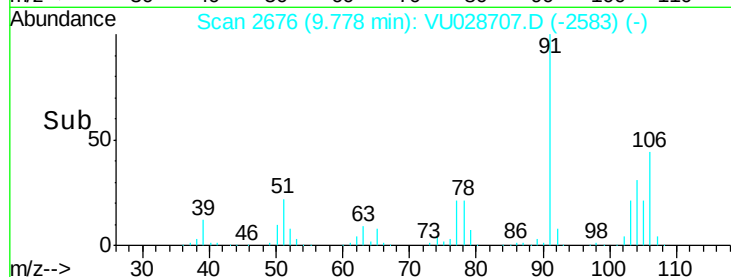
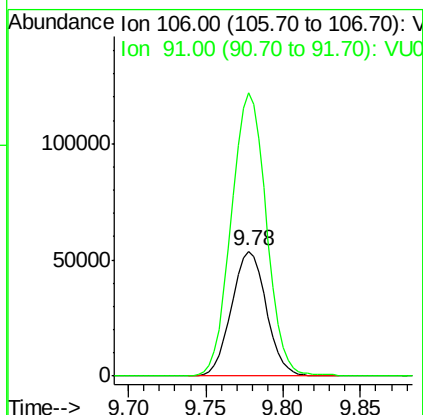
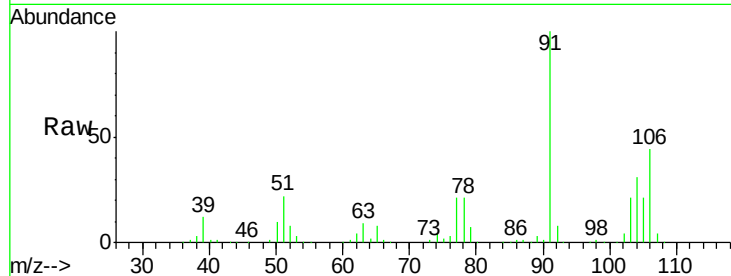
#69  
o-Xylene  
Concen: 49.924 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:106 Resp: 83973  
Ion Ratio Lower Upper  
106 100  
91 228.6 111.3 334.0

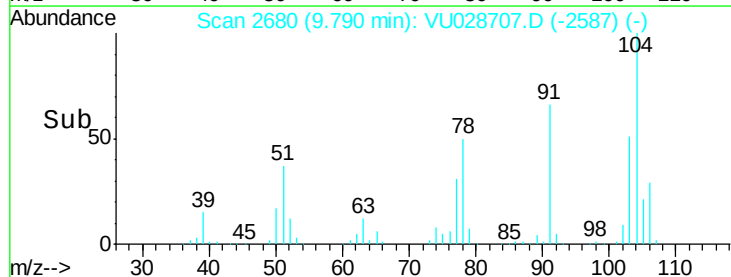
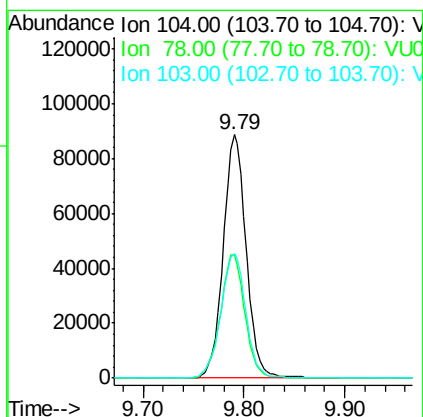
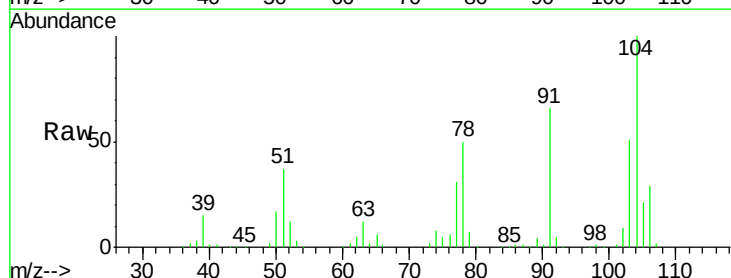
Manual Integrations  
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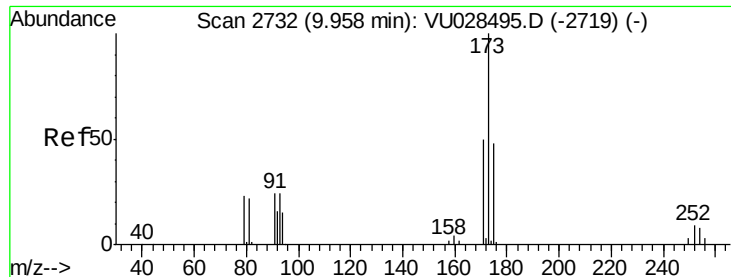


#70  
Styrene  
Concen: 50.676 ug/l  
RT: 9.79 min Scan# 2680  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Tgt Ion:104 Resp: 141063  
Ion Ratio Lower Upper  
104 100  
78 54.1 43.0 64.6  
103 55.7 44.2 66.4







#71

Bromoform

Concen: 54.894 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 38586

Ion Ratio Lower Upper

173 100

175 48.0 23.9 71.8

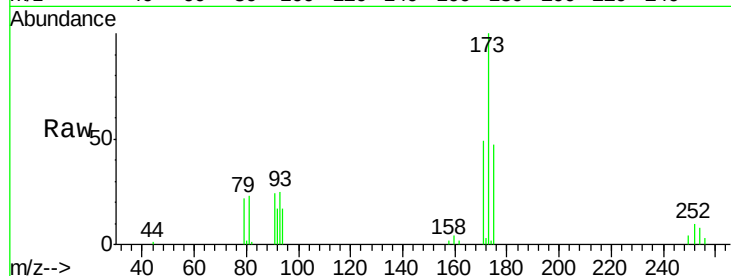
254 0.0 0.0 0.0

Manual Integrations

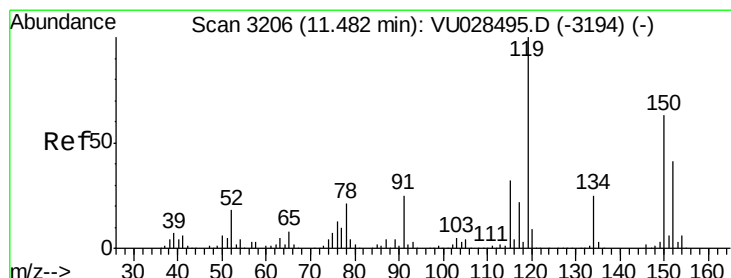
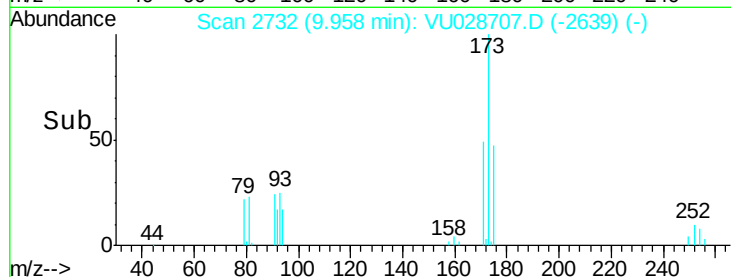
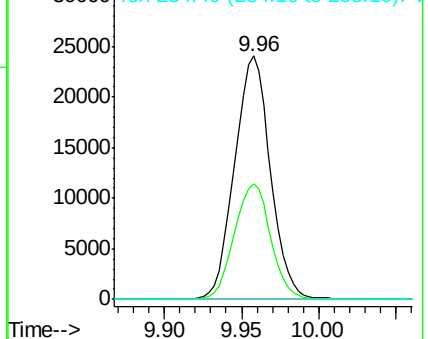
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12/17/2018 9:49:03 AM



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

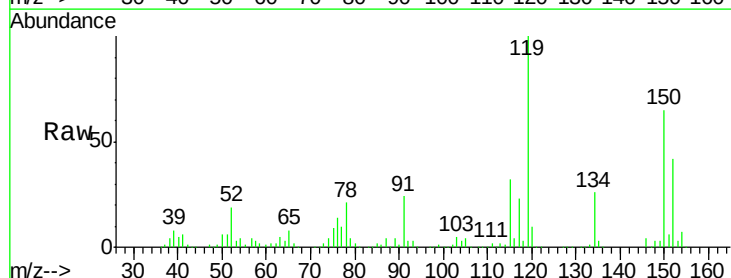
Tgt Ion:152 Resp: 60177

Ion Ratio Lower Upper

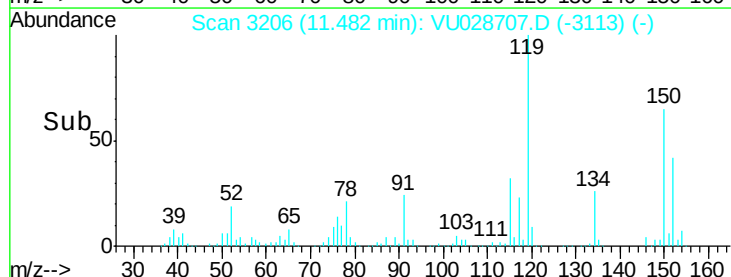
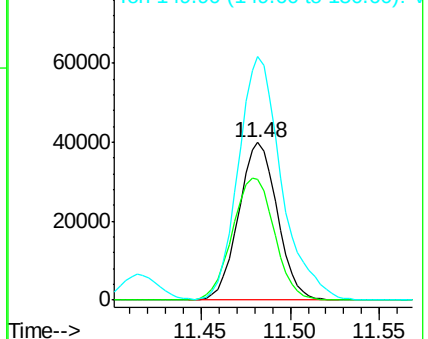
152 100

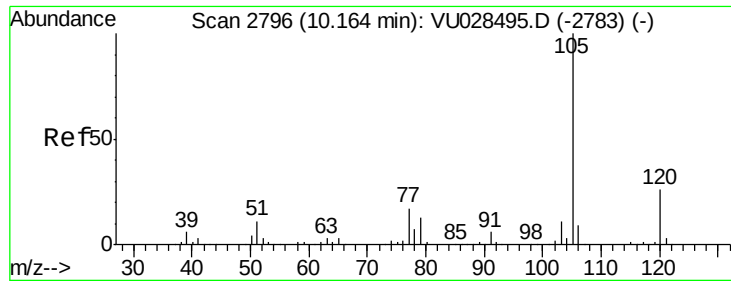
115 84.1 42.7 128.1

150 172.8 0.0 346.0



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: 48.996 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 226246

Ion Ratio Lower Upper

105 100

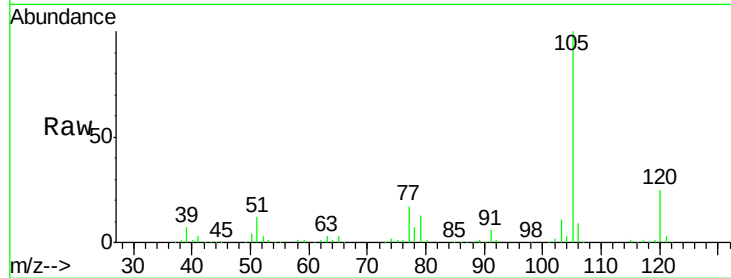
120 25.6 12.9 38.6

Manual Integrations

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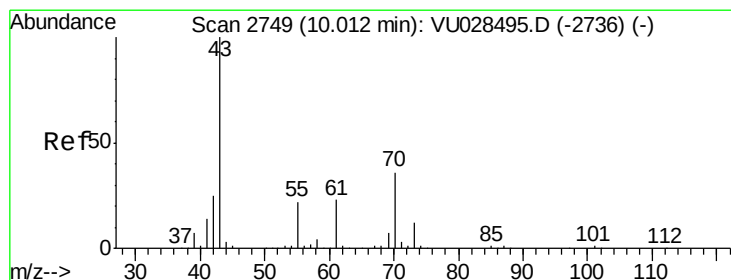
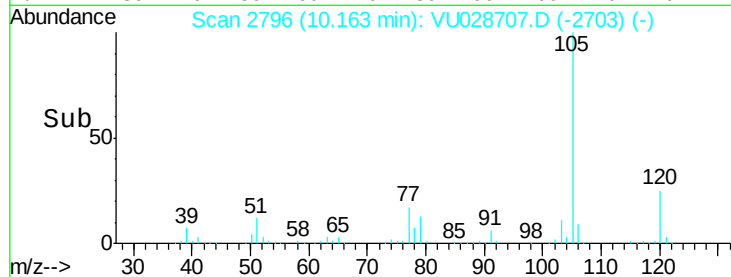
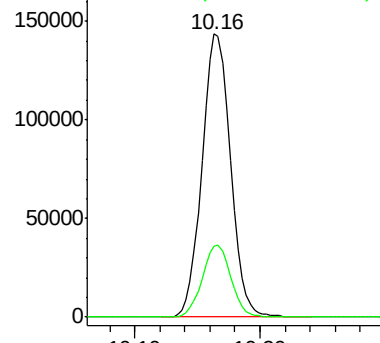
MMDadoda

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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: 53.527 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Tgt Ion: 43 Resp: 142573

Ion Ratio Lower Upper

43 100

70 35.5 29.3 43.9

55 22.7 18.0 27.0

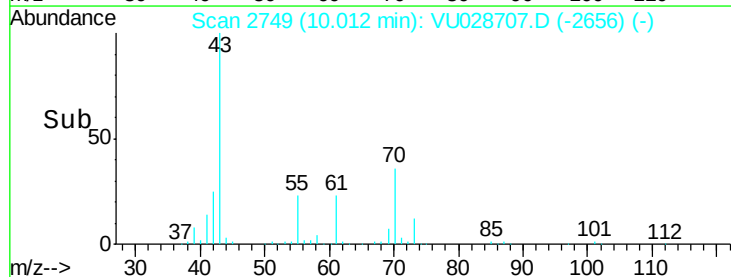
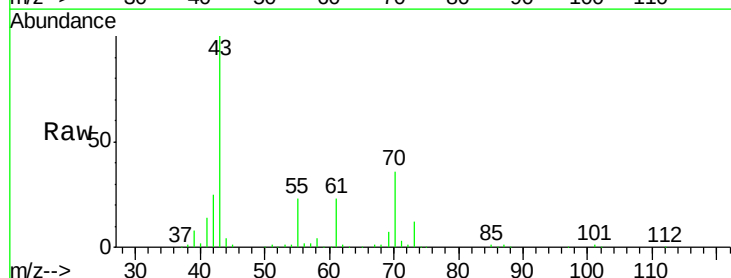
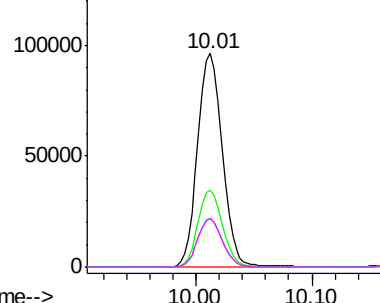
61 22.5 18.3 27.5

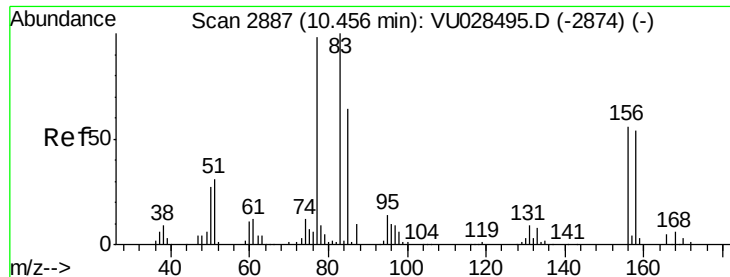
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 53.998 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

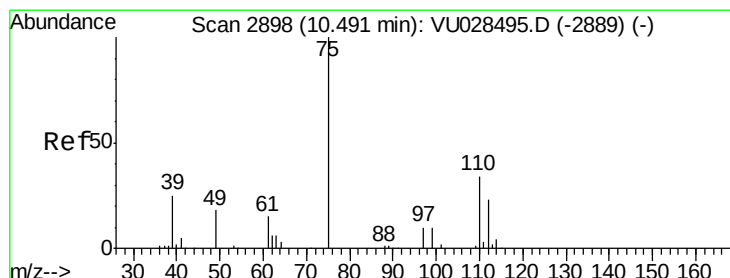
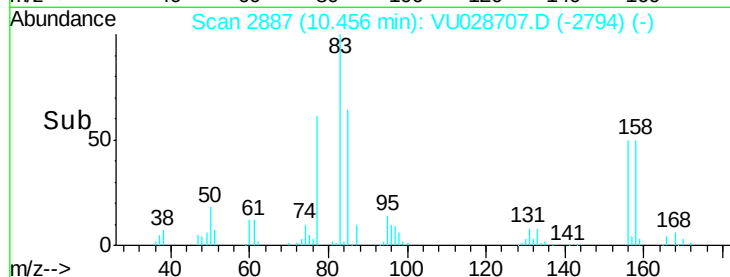
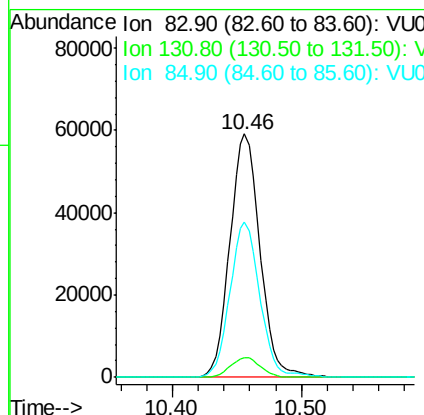
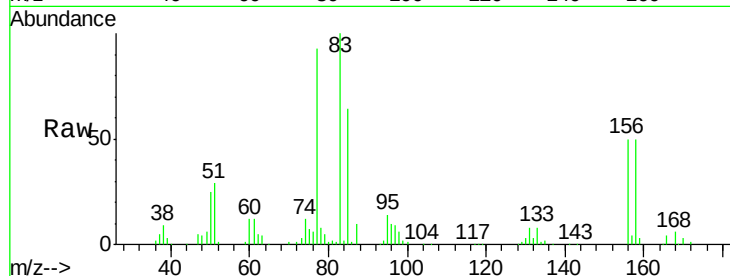
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 95783 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 8.1   | 4.2   | 12.4  |
| 85        | 63.4  | 31.8  | 95.4  |

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#76

1,2,3-Trichloropropane

Concen: 56.589 ug/l m

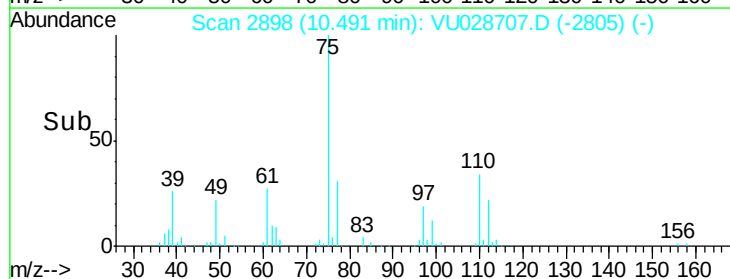
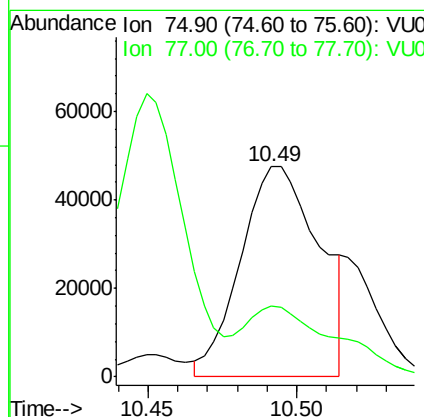
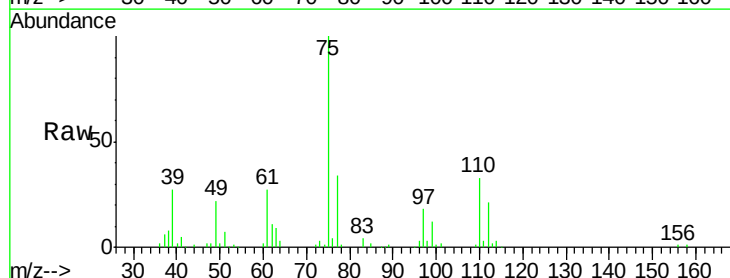
RT: 10.49 min Scan# 2898

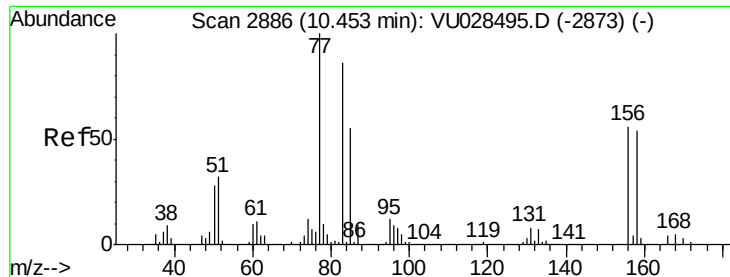
Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 86957 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 38.8  | 20.8  | 62.4  |





#77

Bromobenzene

Concen: 48.851 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

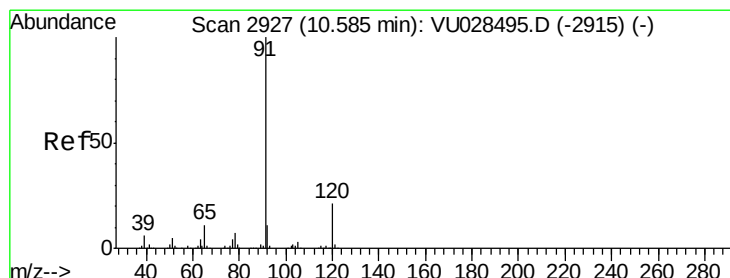
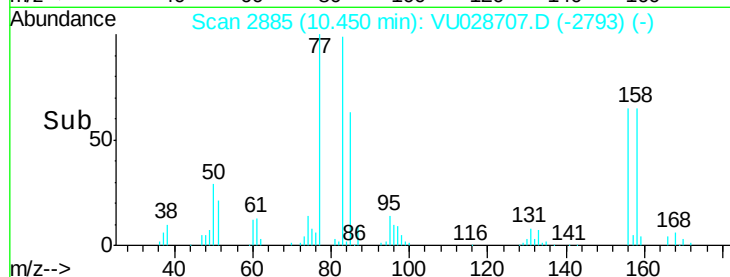
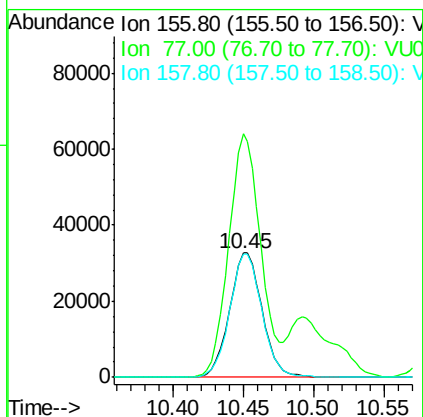
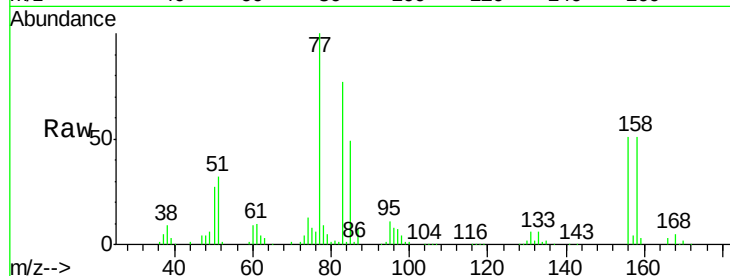
ClientSampleId :

VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 192.0 | 92.4  | 277.2 |
| 158     | 98.1  | 48.4  | 145.3 |

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#78

n-propylbenzene

Concen: 48.844 ug/l

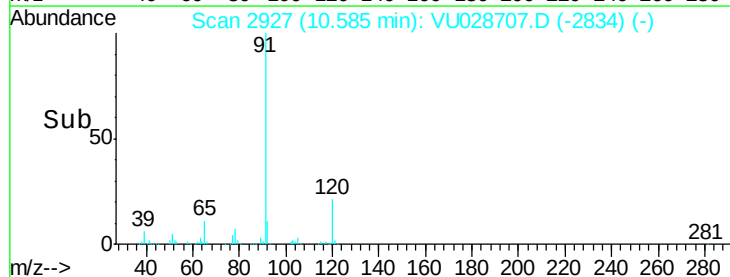
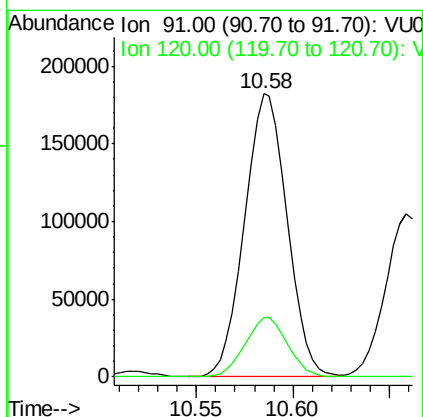
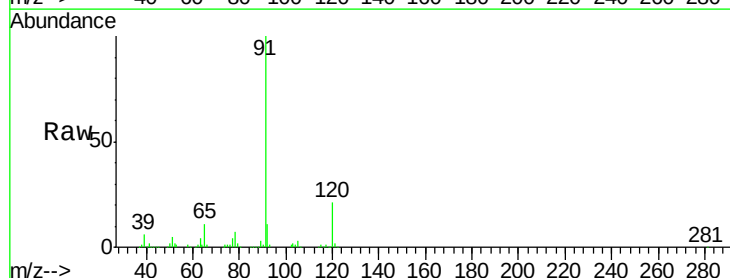
RT: 10.58 min Scan# 2927

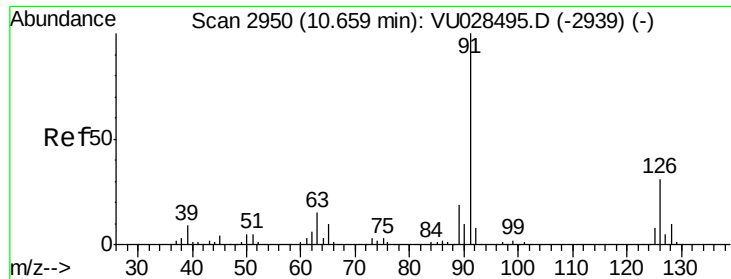
Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 21.0  | 10.6  | 31.8  |





#79

2-Chlorotoluene

Concen: 50.267 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 166139

Ion Ratio Lower Upper

91 100

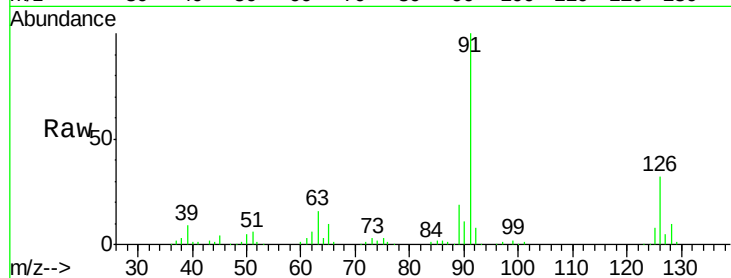
126 31.1 15.6 46.8

Manual Integrations

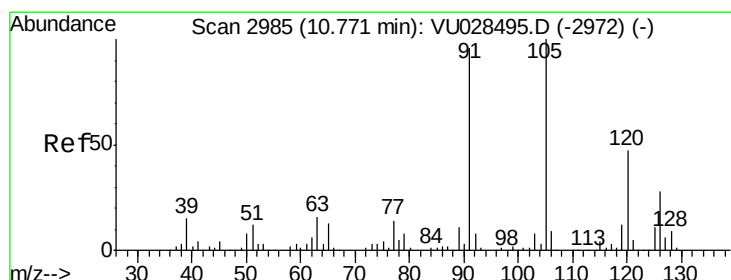
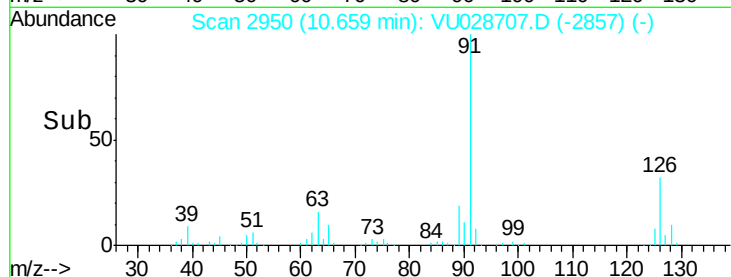
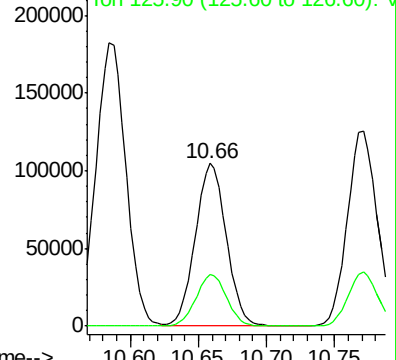
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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.385 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028707.D

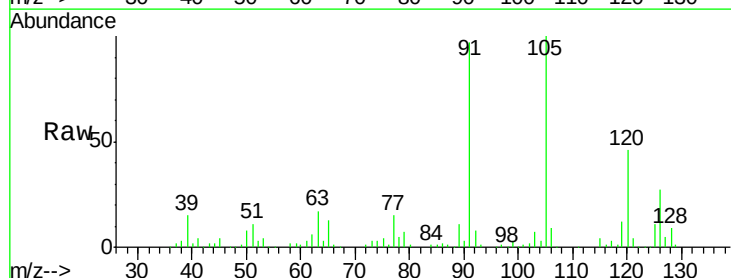
Acq: 15 Dec 2018 00:54

Tgt Ion: 105 Resp: 192588

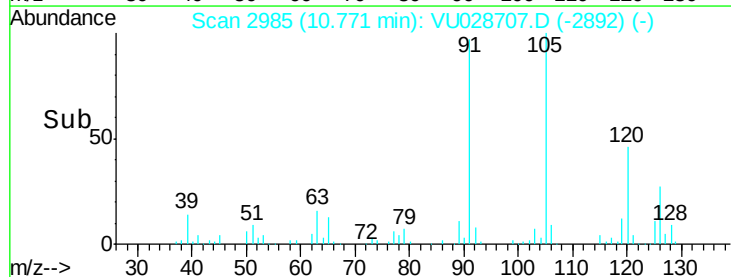
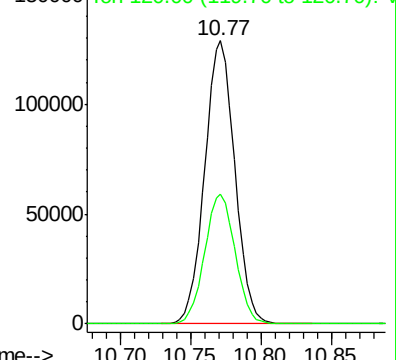
Ion Ratio Lower Upper

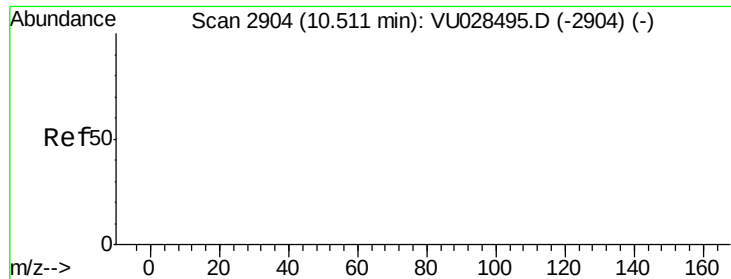
105 100

120 46.4 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.718 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U

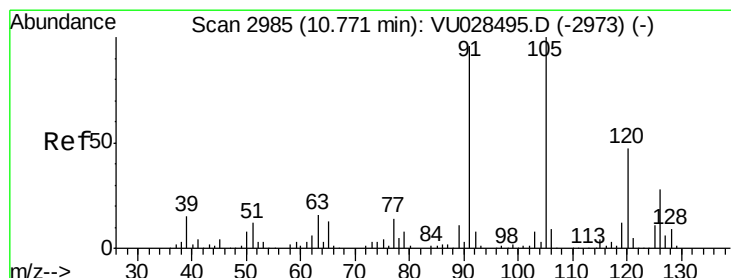
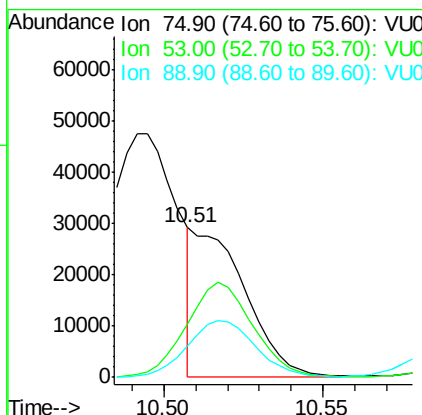
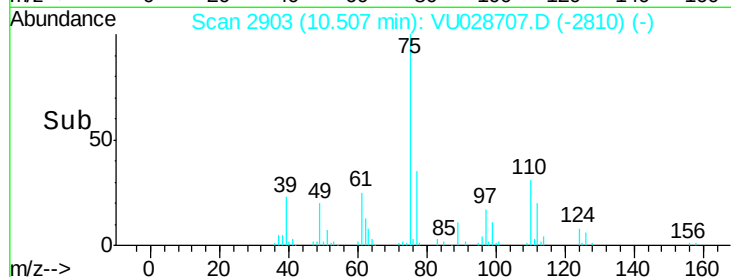
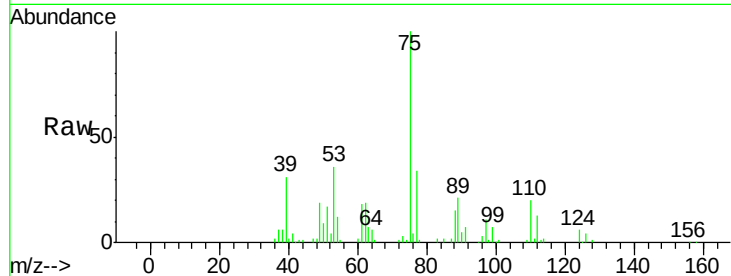
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 75 Resp: 32966

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

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#82

4-Chlorotoluene

Concen: 49.107 ug/l

RT: 10.77 min Scan# 2985

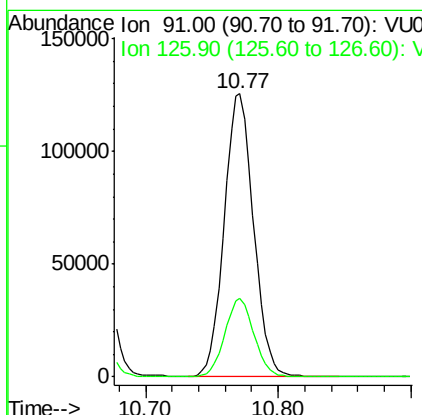
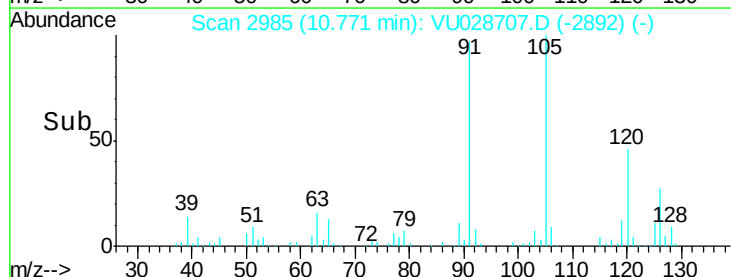
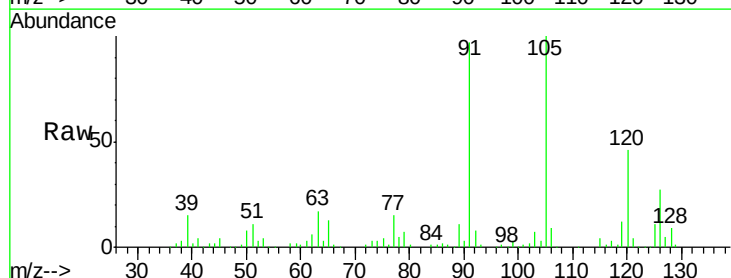
Delta R.T. -0.00 min

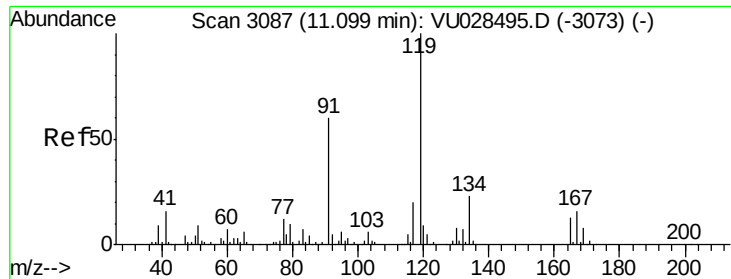
Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Tgt Ion: 91 Resp: 192331

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 27.7  | 14.1  | 42.3  |





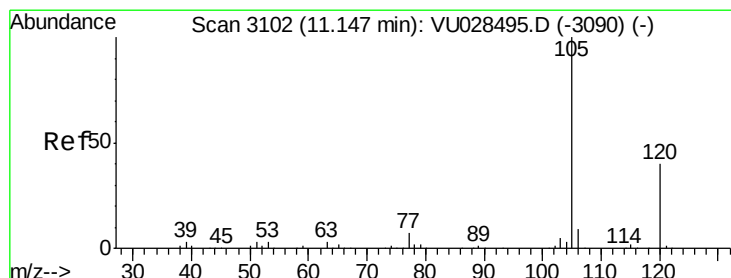
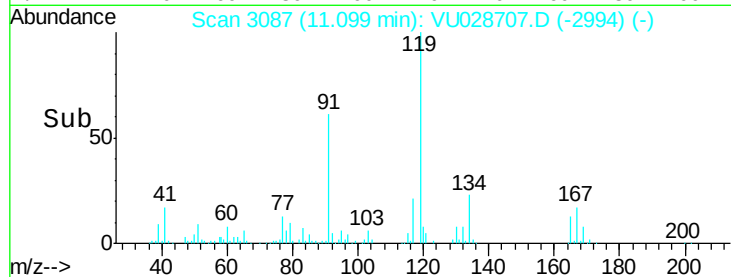
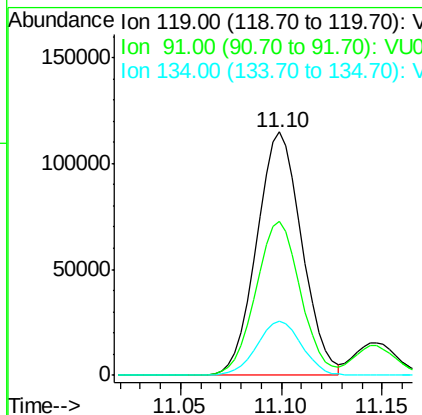
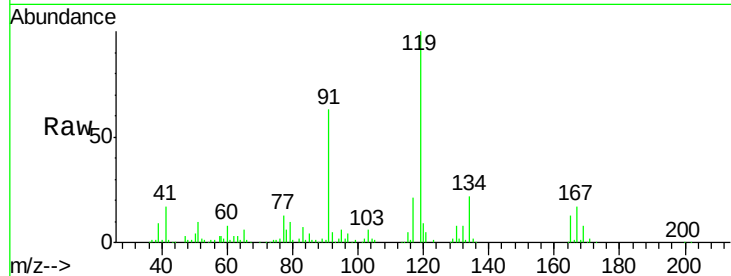
#83  
 tert-Butylbenzene  
 Concen: 48.588 ug/l  
 RT: 11.10 min Scan# 3087  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 179008 |       |       |
| 91      | 62.9  | 30.3   | 91.0  |       |
| 134     | 22.3  | 11.2   | 33.5  |       |

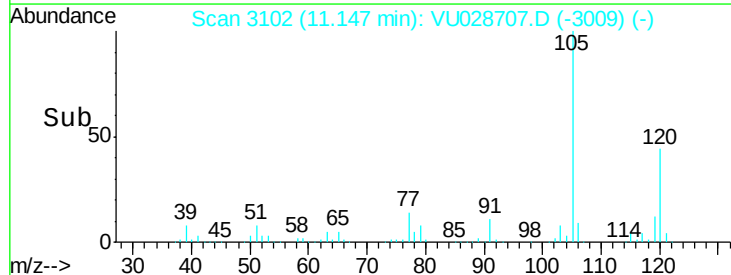
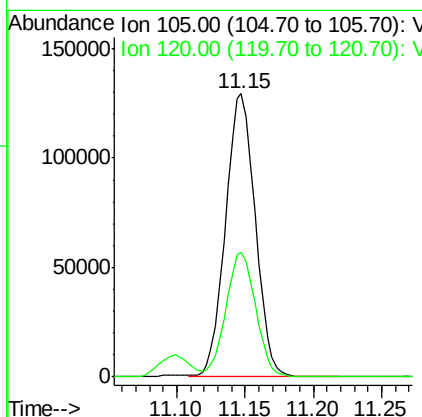
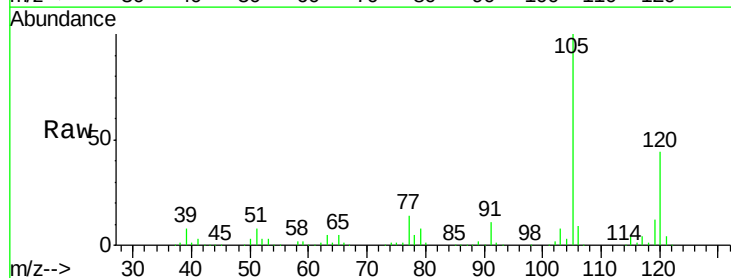
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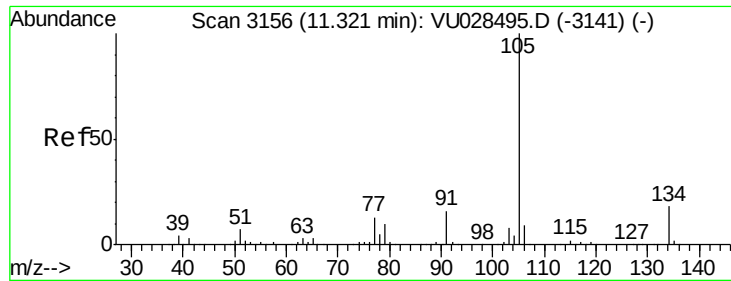
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 49.763 ug/l  
 RT: 11.15 min Scan# 3102  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 196026 |       |       |
| 120     | 44.0  | 21.8   | 65.4  |       |





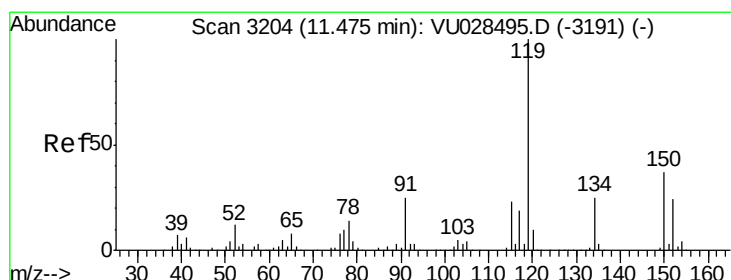
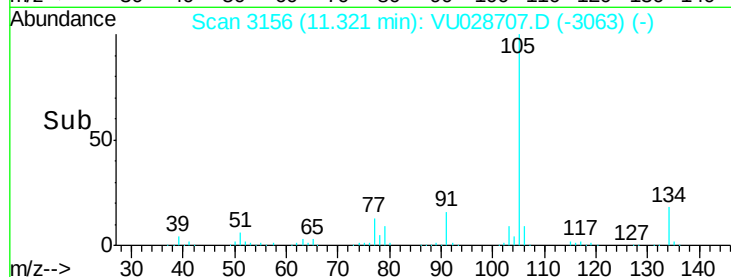
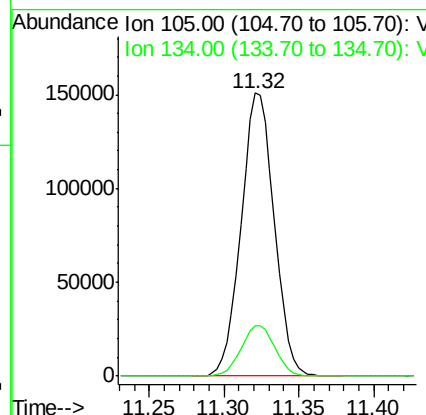
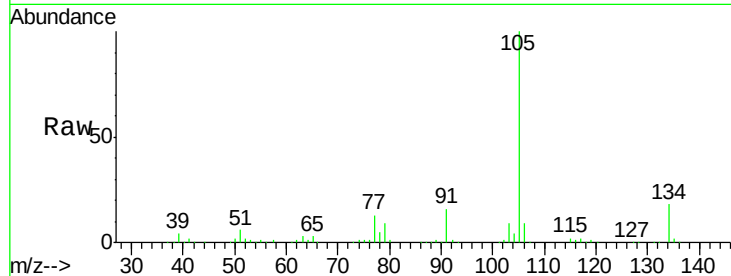
#85  
 sec-Butylbenzene  
 Concen: 48.944 ug/l  
 RT: 11.32 min Scan# 3156  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 18.2  | 9.2   | 27.6  |

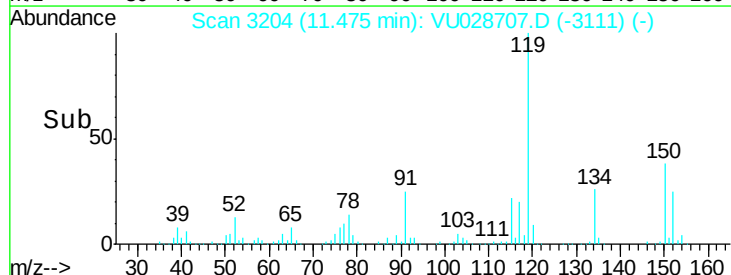
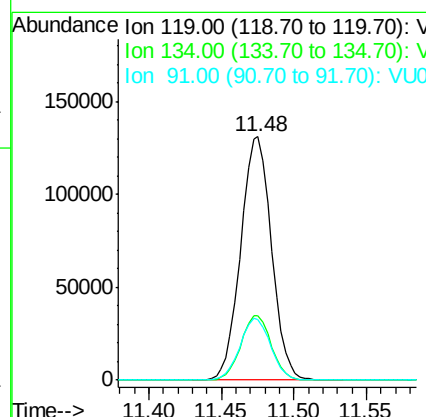
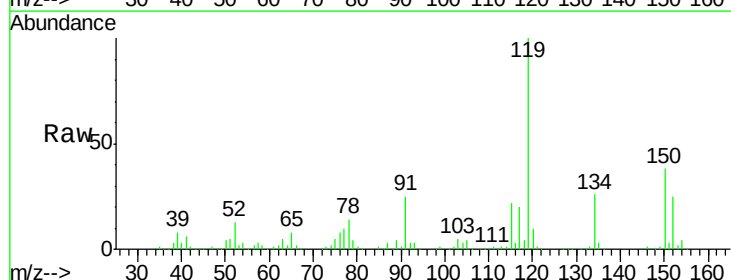
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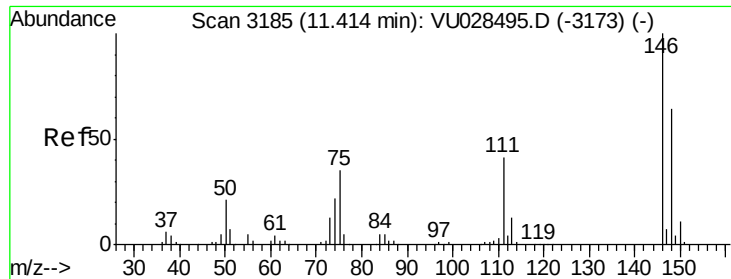


#86  
 p-Isopropyltoluene  
 Concen: 48.171 ug/l  
 RT: 11.48 min Scan# 3204  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.0  | 12.7  | 38.1  |
| 91      | 25.4  | 12.6  | 37.6  |







#87

1,3-Dichlorobenzene

Concen: 48.418 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028707.D

Acq: 15 Dec 2018 00:54

Instrument :

MSVOA\_U

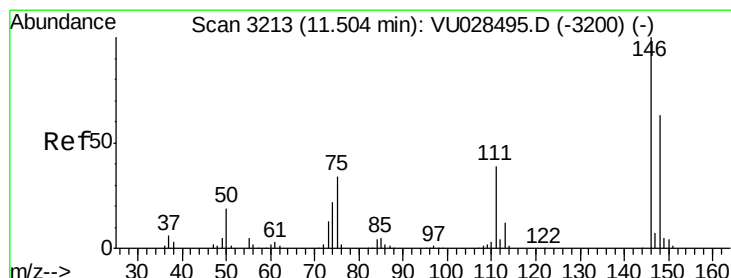
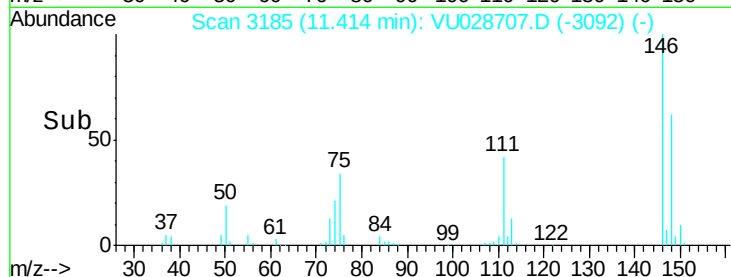
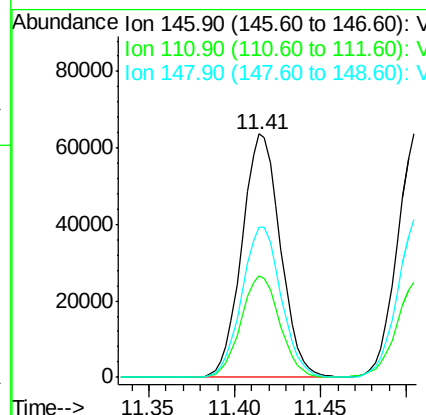
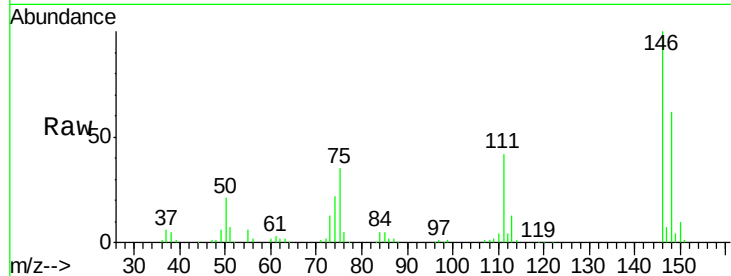
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 98735 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 41.9  | 20.7  | 62.1  |
| 148       | 63.1  | 31.9  | 95.7  |

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#88

1,4-Dichlorobenzene

Concen: 47.097 ug/l

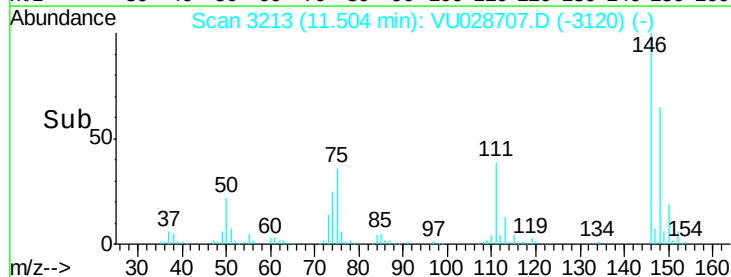
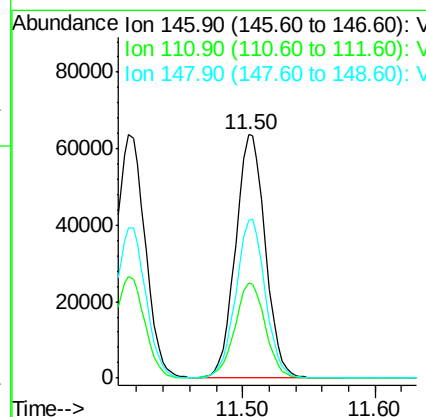
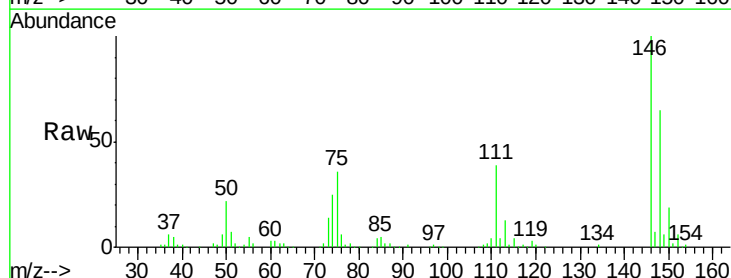
RT: 11.50 min Scan# 3213

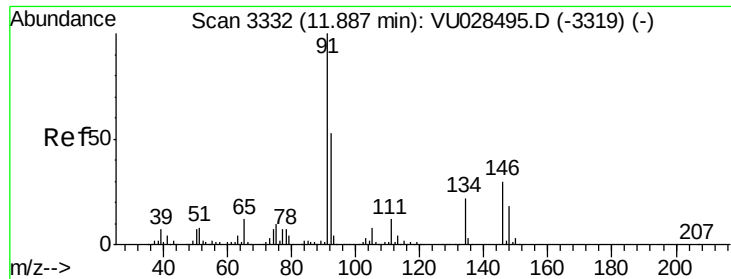
Delta R.T. -0.00 min

Lab File: VU028707.D

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 99365 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 40.2  | 20.2  | 60.5  |
| 148       | 64.6  | 31.6  | 95.0  |





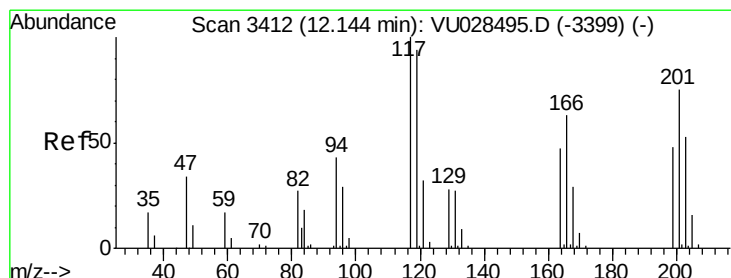
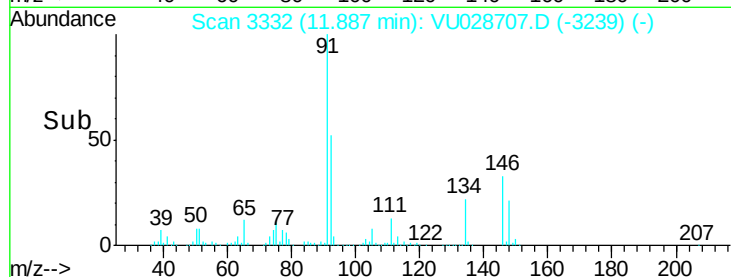
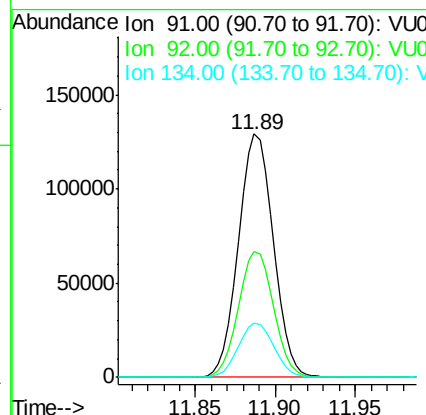
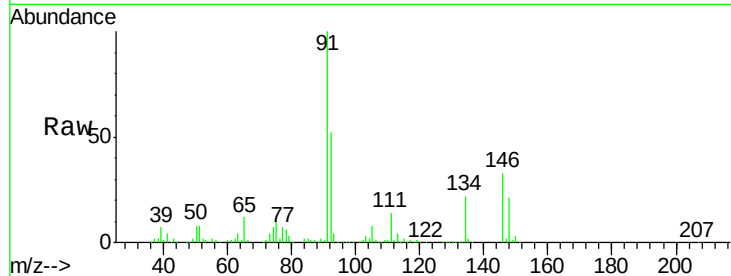
#89  
n-Butylbenzene  
Concen: 47.075 ug/l  
RT: 11.89 min Scan# 3332  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.9  | 26.3  | 78.9  |
| 134     | 22.6  | 11.3  | 33.8  |

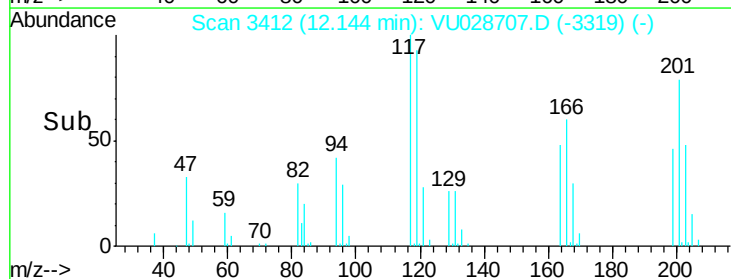
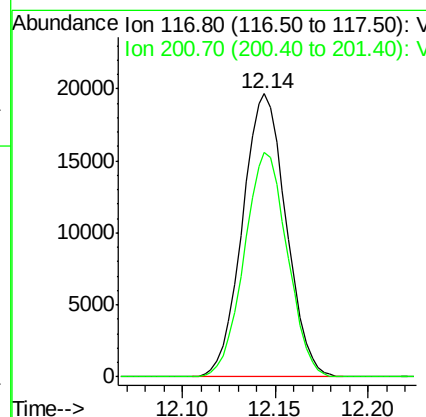
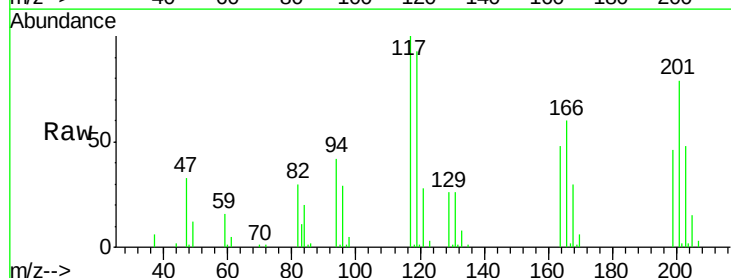
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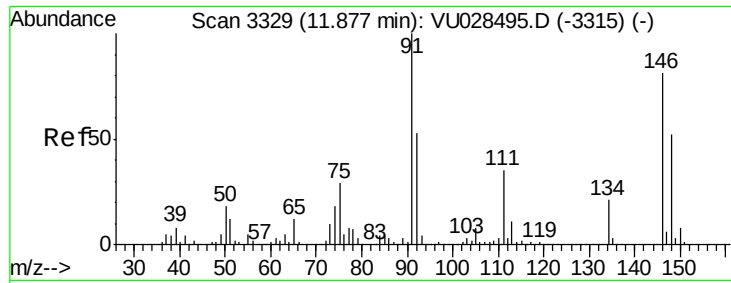
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#90  
Hexachloroethane  
Concen: 52.650 ug/l  
RT: 12.14 min Scan# 3412  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 78.3  | 38.1  | 114.5 |





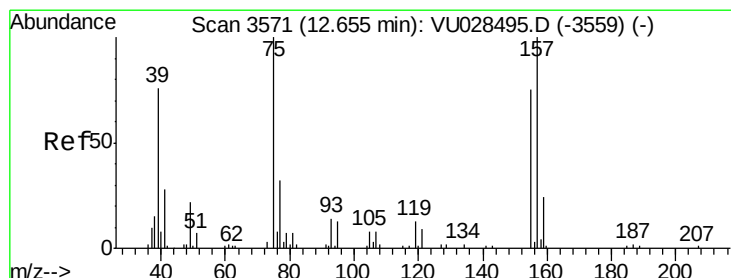
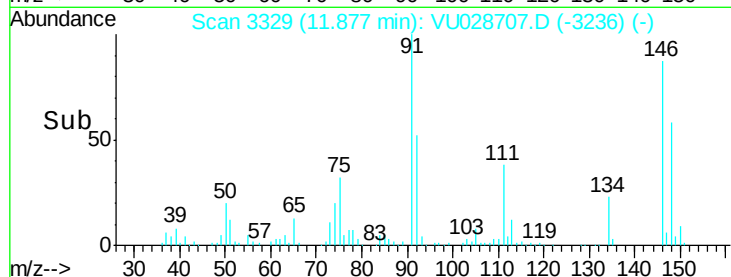
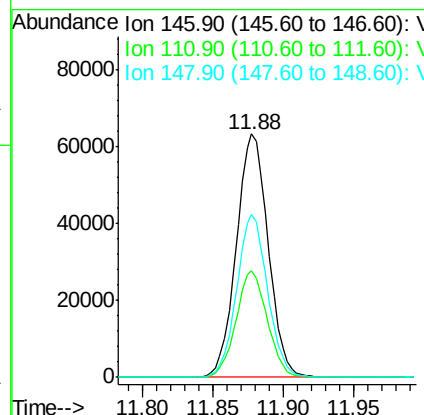
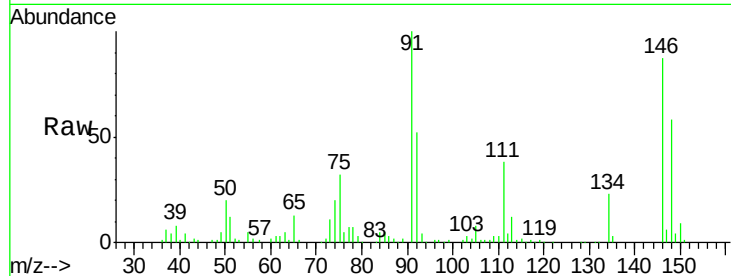
#91  
 1,2-Dichlorobenzene  
 Concen: 48.974 ug/l  
 RT: 11.88 min Scan# 3329  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 146     | 100   | 99896 |       |       |
| 111     | 42.9  | 21.1  | 63.4  |       |
| 148     | 64.8  | 31.4  | 94.2  |       |

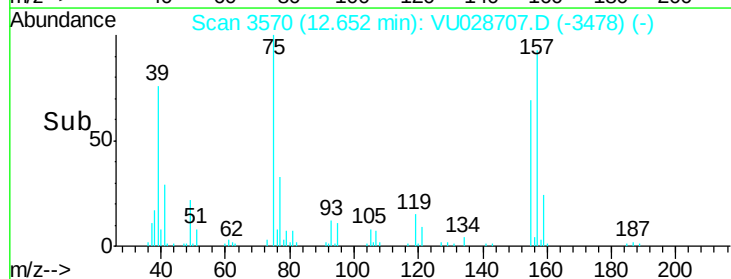
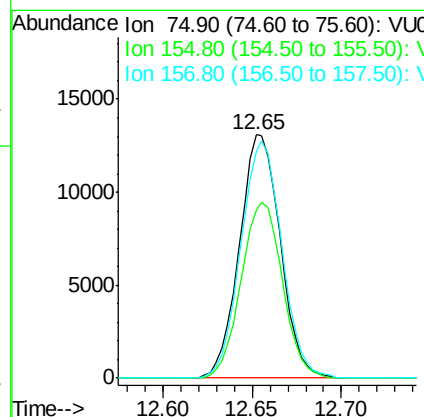
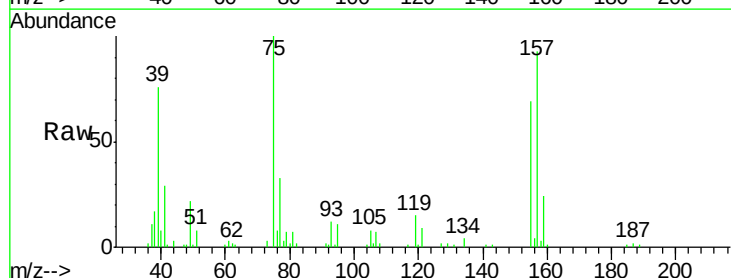
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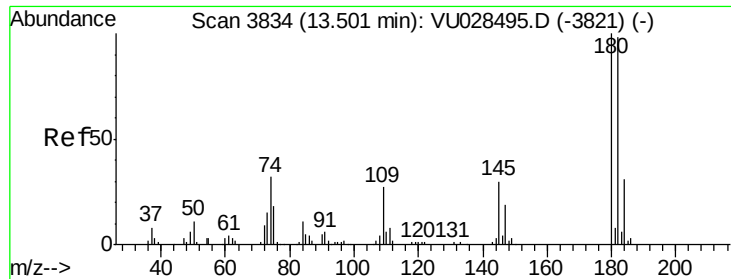
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 54.322 ug/l  
 RT: 12.65 min Scan# 3570  
 Delta R.T. -0.00 min  
 Lab File: VU028707.D  
 Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 20861 |       |       |
| 155     | 72.9  | 38.1  | 114.5 |       |
| 157     | 97.6  | 48.7  | 146.1 |       |





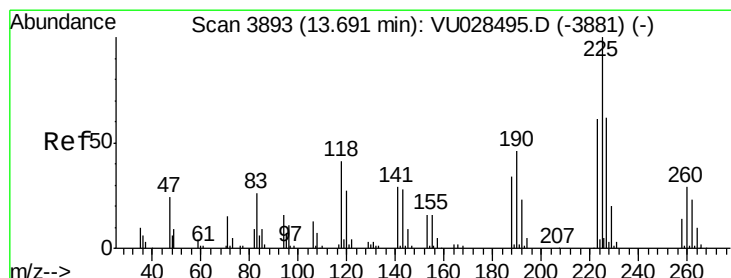
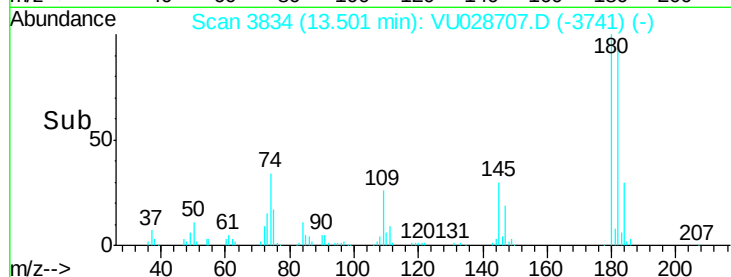
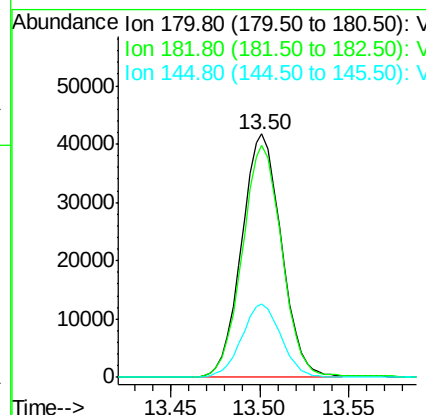
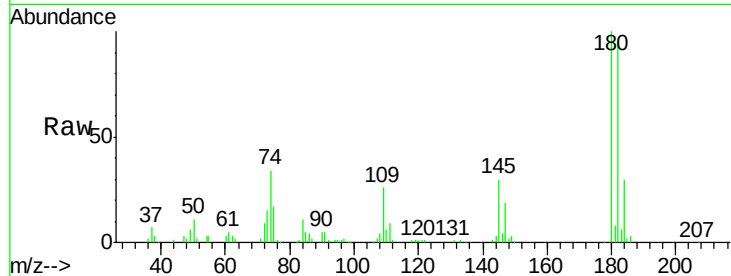
#93  
1,2,4-Trichlorobenzene  
Concen: 46.352 ug/l  
RT: 13.50 min Scan# 3834  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 47.9  | 143.8 |
| 145     | 30.0  | 15.0  | 45.1  |

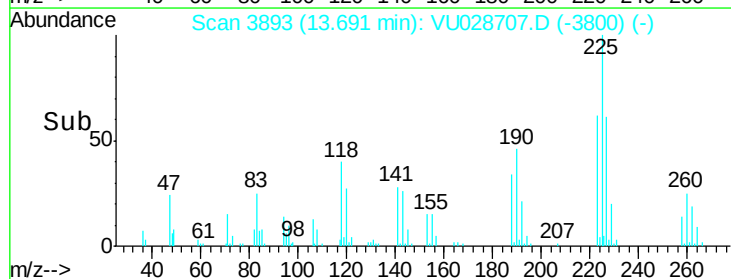
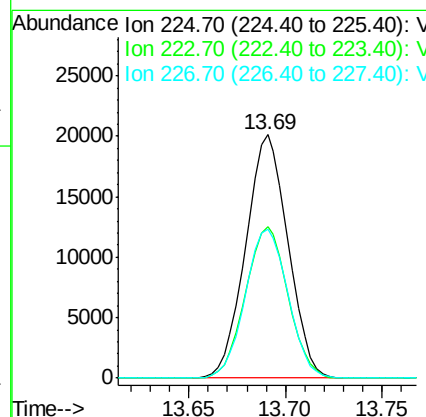
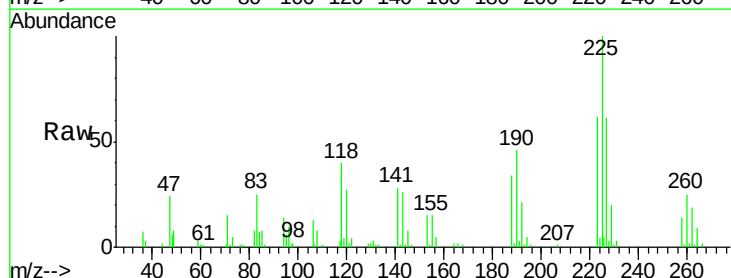
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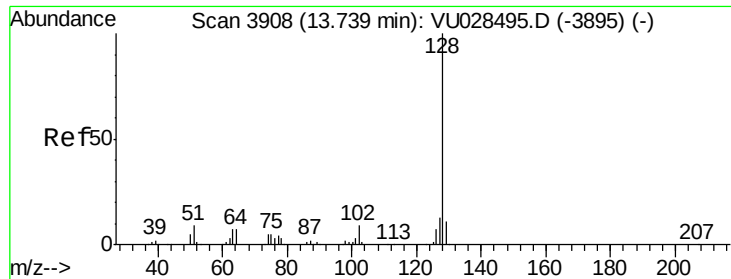
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#94  
Hexachlorobutadiene  
Concen: 45.865 ug/l  
RT: 13.69 min Scan# 3893  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.6  | 30.4  | 91.2  |
| 227     | 61.9  | 30.7  | 92.1  |





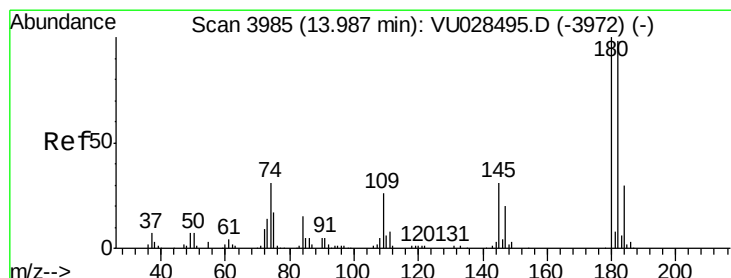
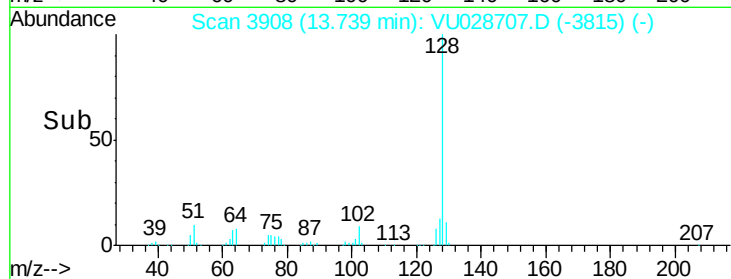
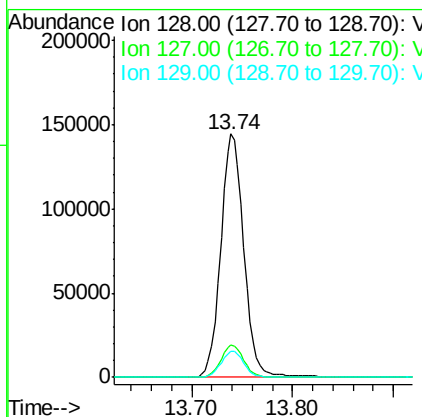
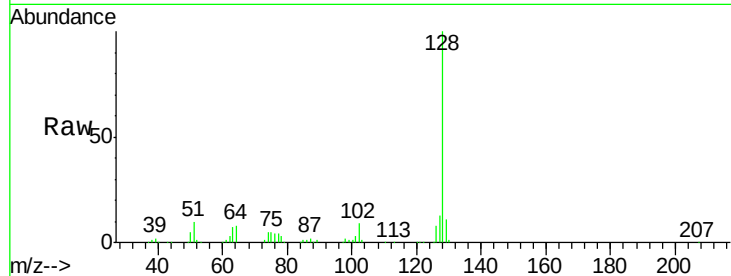
#95  
Naphthalene  
Concen: 47.125 ug/l  
RT: 13.74 min Scan# 3908  
Delta R.T. -0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 230664 |       |       |
| 127     | 13.1  | 10.4   | 15.6  |       |
| 129     | 10.7  | 8.6    | 13.0  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 47.540 ug/l  
RT: 13.99 min Scan# 3985  
Delta R.T. 0.00 min  
Lab File: VU028707.D  
Acq: 15 Dec 2018 00:54

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 66309 |       |       |
| 182     | 97.1  | 48.2  | 144.6 |       |
| 145     | 32.0  | 15.8  | 47.3  |       |

