

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\  
 Data File : VU026971.D  
 Acq On : 21 Sep 2018 16:24  
 Operator : MD/SY  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2018 2:14:06 PM

Quant Time: Sep 22 01:25:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 22 00:44:52 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 94937    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 159832   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 158904   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 94469    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 273451   | 178.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 356.18% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 200141   | 150.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 301.64% |      |
| 50) Toluene-d8            | 7.57   | 98  | 791422   | 159.86 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 319.72% |      |
| 62) 4-Bromofluorobenzene  | 10.31  | 95  | 304366   | 171.46 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 342.92% |      |

## Target Compounds

|                               |      |     |         |          |      | Qvalue |
|-------------------------------|------|-----|---------|----------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 171727  | 162.221  | ug/l | 97     |
| 3) Chloromethane              | 1.33 | 50  | 287219  | 186.777  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 282273  | 181.048  | ug/l | 99     |
| 5) Bromomethane               | 1.60 | 94  | 180557  | 188.776  | ug/l | 96     |
| 6) Chloroethane               | 1.67 | 64  | 170970  | 171.626  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.87 | 101 | 314868  | 158.566  | ug/l | 98     |
| 8) Diethyl Ether              | 2.10 | 74  | 156469  | 175.702  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 191078  | 161.327  | ug/l | 100    |
| 10) Methyl Iodide             | 2.40 | 142 | 263813  | 255.186  | ug/l | 99     |
| 11) Tert butyl alcohol        | 2.85 | 59  | 325238  | 879.650  | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 186063  | 165.708  | ug/l | 99     |
| 13) Acrolein                  | 2.20 | 56  | 180990  | 752.392  | ug/l | 100    |
| 14) Allyl chloride            | 2.59 | 41  | 379333m | 181.264  | ug/l |        |
| 15) Acrylonitrile             | 2.94 | 53  | 806901  | 996.939  | ug/l | 99     |
| 16) Acetone                   | 2.32 | 43  | 708808  | 821.197  | ug/l | 100    |
| 17) Carbon Disulfide          | 2.47 | 76  | 611862  | 170.136  | ug/l | 99     |
| 18) Methyl Acetate            | 2.62 | 43  | 387910  | 202.474  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 727107  | 184.550  | ug/l | 100    |
| 20) Methylene Chloride        | 2.70 | 84  | 229108  | 166.801  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 204287  | 171.389  | ug/l | 98     |
| 22) Diisopropyl ether         | 3.58 | 45  | 872706  | 199.143  | ug/l | 95     |
| 23) Vinyl Acetate             | 3.53 | 43  | 3808532 | 1023.746 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.44 | 63  | 451113  | 184.844  | ug/l | 99     |
| 25) 2-Butanone                | 4.27 | 43  | 1154760 | 980.434  | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 345844  | 174.471  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96  | 236059  | 172.958  | ug/l | 100    |
| 28) Bromochloromethane        | 4.55 | 49  | 228792  | 194.598  | ug/l | 100    |
| 29) Tetrahydrofuran           | 4.64 | 42  | 738882  | 1030.526 | ug/l | 99     |
| 30) Chloroform                | 4.67 | 83  | 405605  | 170.924  | ug/l | 99     |
| 31) Cyclohexane               | 5.00 | 56  | 421032  | 167.293  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 341037  | 175.007  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.14 | 75  | 320372  | 173.584  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.38 | 43  | 419376  | 183.989  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.13 | 117 | 288009  | 150.009  | ug/l | 98     |

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 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2018 2:14:06 PM

Quant Time: Sep 22 01:25:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 22 00:44:52 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 392103   | 180.373  | ug/l  | 99       |
| 40) Benzene                    | 5.39  | 78   | 942722   | 165.144  | ug/l  | 100      |
| 41) Methacrylonitrile          | 4.54  | 41   | 237453   | 199.905  | ug/l  | 99       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 350045   | 169.157  | ug/l  | 100      |
| 43) Isopropyl Acetate          | 5.55  | 43   | 667736   | 193.910  | ug/l  | 100      |
| 44) Trichloroethene            | 6.19  | 130  | 209111   | 151.517  | ug/l  | 99       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 273674   | 174.739  | ug/l  | 98       |
| 46) Dibromomethane             | 6.56  | 93   | 161291   | 162.276  | ug/l  | 100      |
| 47) Bromodichloromethane       | 6.76  | 83   | 326481   | 165.852  | ug/l  | 98       |
| 48) Methyl methacrylate        | 6.62  | 41   | 346383   | 203.003  | ug/l  | 98       |
| 49) 1,4-Dioxane                | 6.62  | 88   | 135196   | 3526.051 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 7.47  | 43   | 2273772  | 978.886  | ug/l  | 98       |
| 52) Toluene                    | 7.64  | 92   | 574644   | 168.479  | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 403585   | 183.864  | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 420915   | 177.864  | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 231526   | 159.588  | ug/l  | 100      |
| 56) Ethyl methacrylate         | 8.02  | 69   | 423681   | 198.196  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 444593   | 176.621  | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 1169103  | 1067.033 | ug/l  | 100      |
| 59) 2-Hexanone                 | 8.37  | 43   | 1787289  | 983.145  | ug/l  | 98       |
| 60) Dibromochloromethane       | 8.48  | 129  | 241080   | 156.698  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 247431   | 157.836  | ug/l  | 100      |
| 64) Tetrachloroethene          | 8.23  | 164  | 175699   | 140.646  | ug/l  | 98       |
| 65) Chlorobenzene              | 9.12  | 112  | 612746   | 154.999  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 218444   | 150.820  | ug/l  | 99       |
| 67) Ethyl Benzene              | 9.25  | 91   | 1132389  | 172.175  | ug/l  | 99       |
| 68) m/p-Xylenes                | 9.38  | 106  | 843897   | 339.323  | ug/l  | 99       |
| 69) o-Xylene                   | 9.78  | 106  | 409953   | 169.952  | ug/l  | 100      |
| 70) Styrene                    | 9.79  | 104  | 704872   | 178.279  | ug/l  | 99       |
| 71) Bromoform                  | 9.96  | 173  | 188401   | 152.814  | ug/l  | # 100    |
| 73) Isopropylbenzene           | 10.17 | 105  | 1112696  | 168.721  | ug/l  | 100      |
| 74) N-amyl acetate             | 10.02 | 43   | 664680   | 206.672  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 439761   | 161.775  | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 10.50 | 75   | 361439m  | 163.414  | ug/l  |          |
| 77) Bromobenzene               | 10.46 | 156  | 257982   | 146.885  | ug/l  | 97       |
| 78) n-propylbenzene            | 10.59 | 91   | 1373682  | 178.053  | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 794407   | 166.411  | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 952250   | 172.107  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 149443m  | 197.463  | ug/l  |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 941904   | 175.683  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.10 | 119  | 924753   | 166.214  | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 975676   | 174.486  | ug/l  | 100      |
| 85) sec-Butylbenzene           | 11.33 | 105  | 1178565  | 177.024  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 1015885  | 176.010  | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 492148   | 150.109  | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 497200   | 145.731  | ug/l  | 100      |
| 89) n-Butylbenzene             | 11.89 | 91   | 1011814  | 198.306  | ug/l  | 99       |
| 90) Hexachloroethane           | 12.15 | 117  | 190800   | 163.730  | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 490321   | 148.810  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 100233   | 183.948  | ug/l  | 97       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092218\  
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Acq On : 21 Sep 2018 16:24  
Operator : MD/SY  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC150

Manual Integrations  
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Quant Time: Sep 22 01:25:46 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 22 00:44:52 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 345470   | 160.370 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 161879   | 146.146 | ug/l  | 99       |
| 95) Naphthalene            | 13.74 | 128  | 1192294  | 178.902 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 346641   | 153.307 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 94937

Ion Ratio Lower Upper

168 100

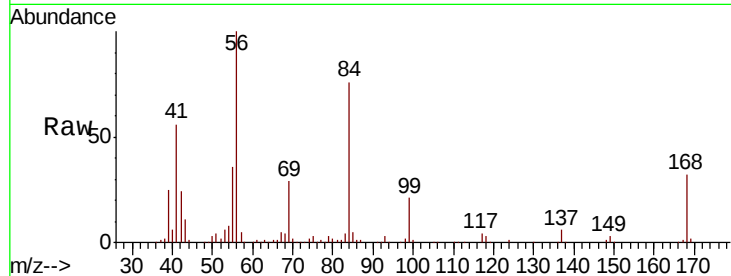
99 63.6 48.1 72.1

Manual Integrations

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

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

100000

80000

60000

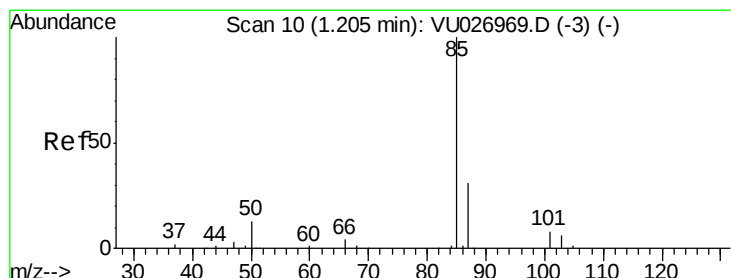
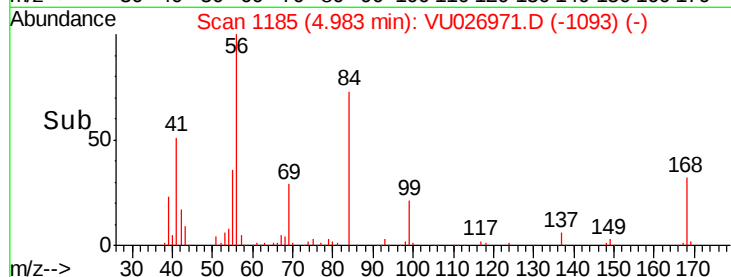
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 162.221 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU026971.D

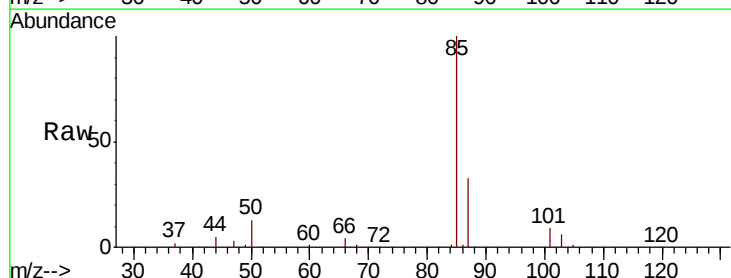
Acq: 21 Sep 2018 16:24

Tgt Ion: 85 Resp: 171727

Ion Ratio Lower Upper

85 100

87 32.8 15.6 46.7



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

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

150000

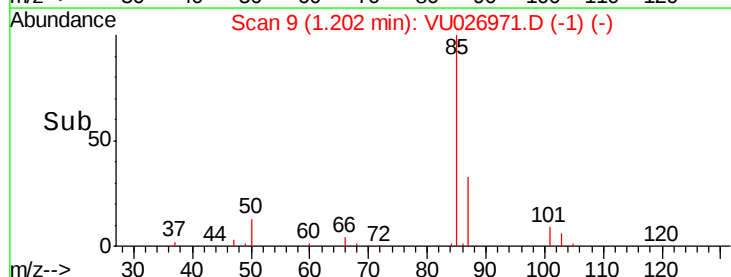
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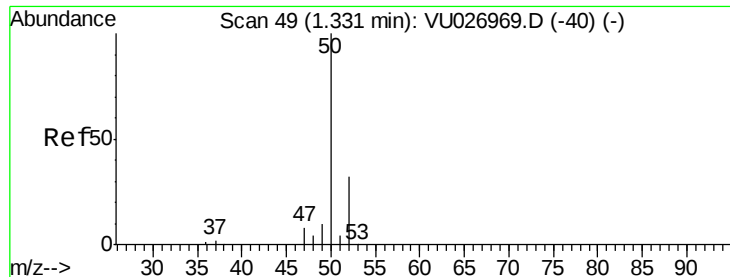
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 186.777 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 287219

Ion Ratio Lower Upper

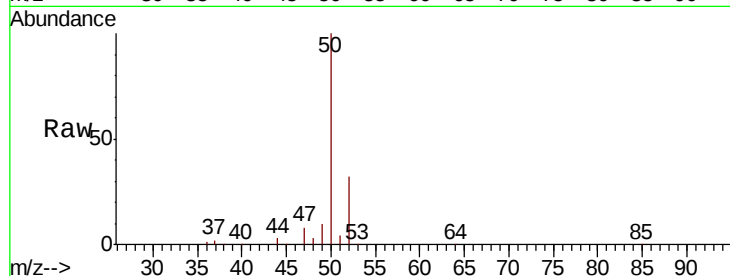
50 100

52 32.2 25.9 38.9

Manual Integrations  
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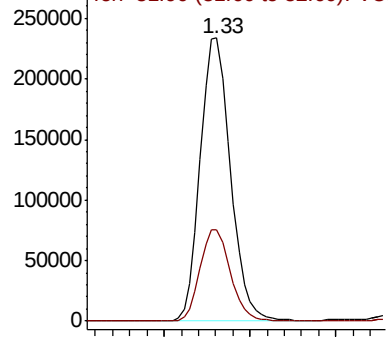
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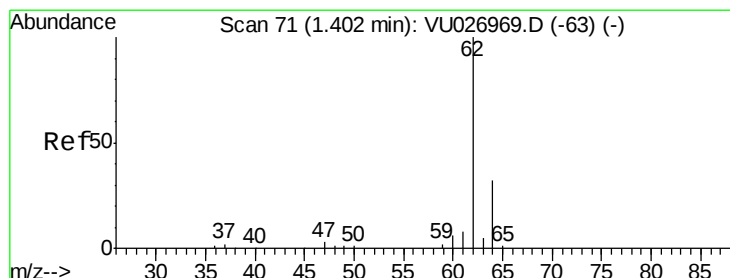
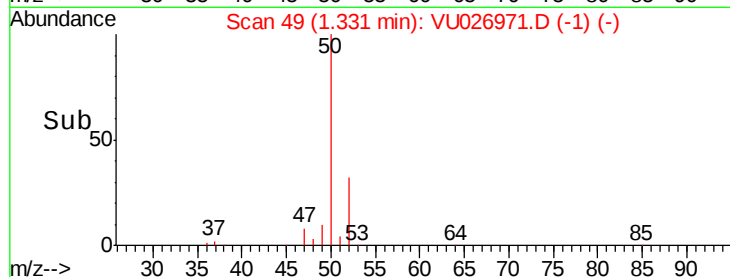


Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



Time-->



#4

Vinyl Chloride

Concen: 181.048 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026971.D

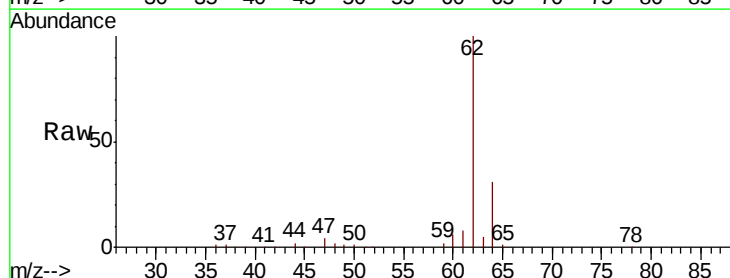
Acq: 21 Sep 2018 16:24

Tgt Ion: 62 Resp: 282273

Ion Ratio Lower Upper

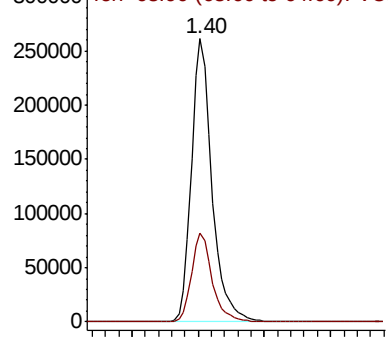
62 100

64 31.5 25.5 38.3

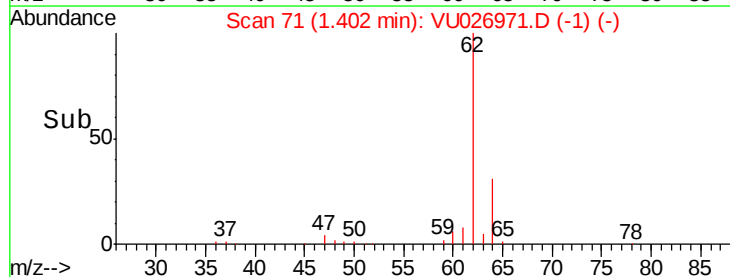


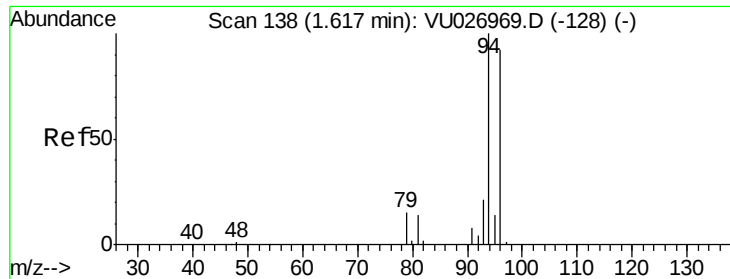
Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->





#5

Bromomethane

Concen: 188.776 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 180557

Ion Ratio Lower Upper

94 100

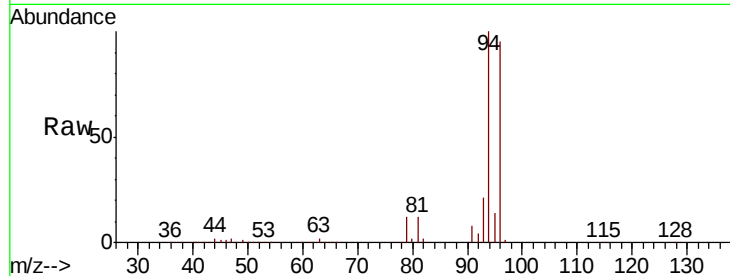
96 94.9 73.2 109.8

Manual Integrations

APPROVED

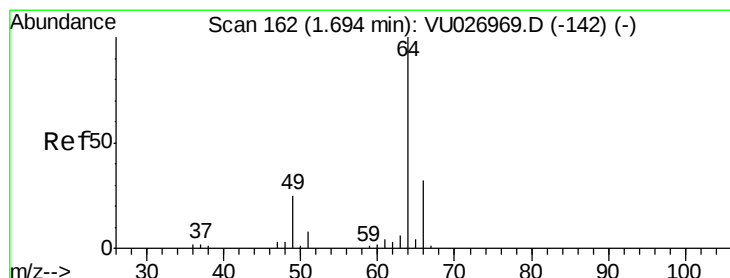
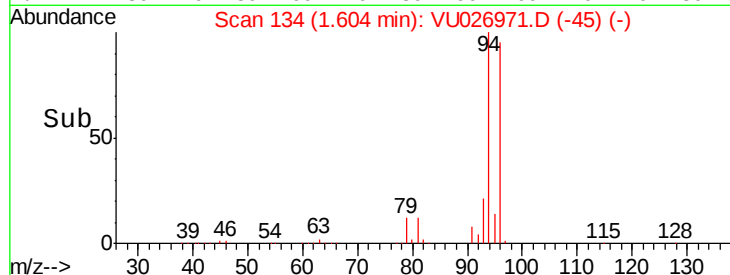
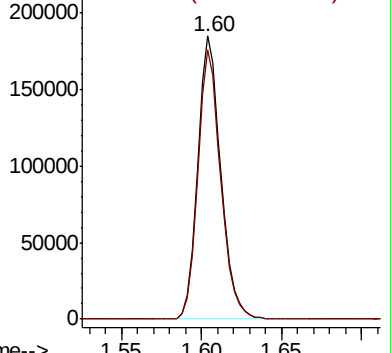
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 171.626 ug/l

RT: 1.67 min Scan# 156

Delta R.T. -0.02 min

Lab File: VU026971.D

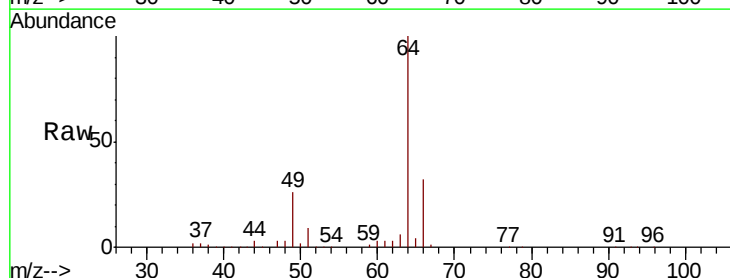
Acq: 21 Sep 2018 16:24

Tgt Ion: 64 Resp: 170970

Ion Ratio Lower Upper

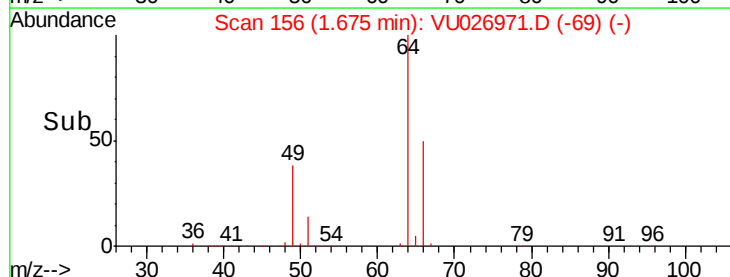
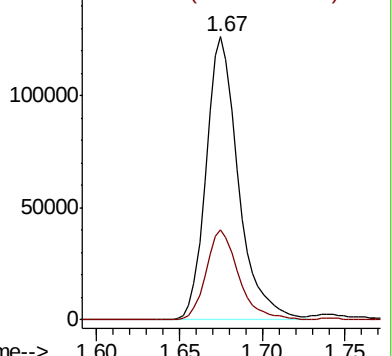
64 100

66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

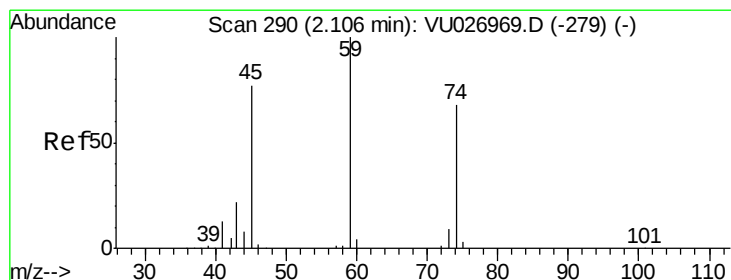
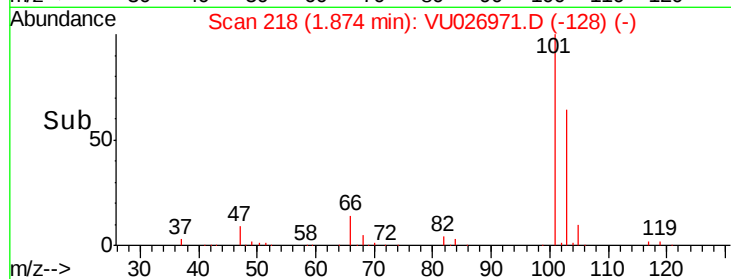
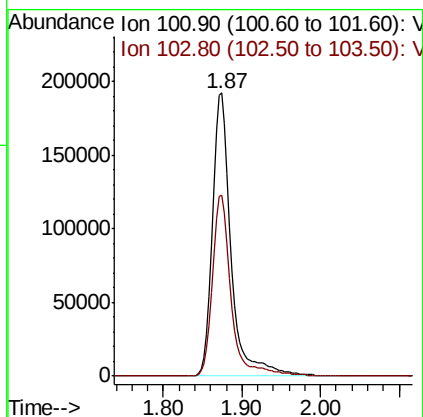
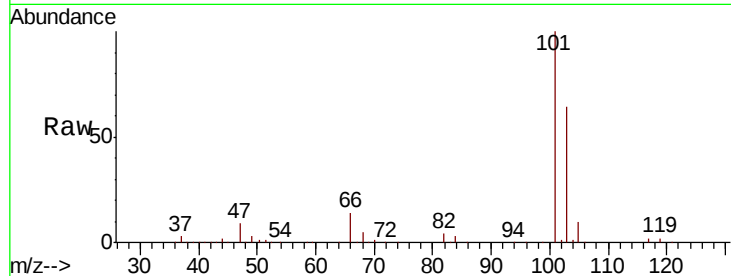
Trichlorofluoromethane  
Concen: 158.566 ug/l  
RT: 1.87 min Scan# 218  
Delta R.T. -0.01 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 314868 |       |       |
| 103     | 63.8  | 52.2   | 78.2  |       |

Manual Integrations  
APPROVED

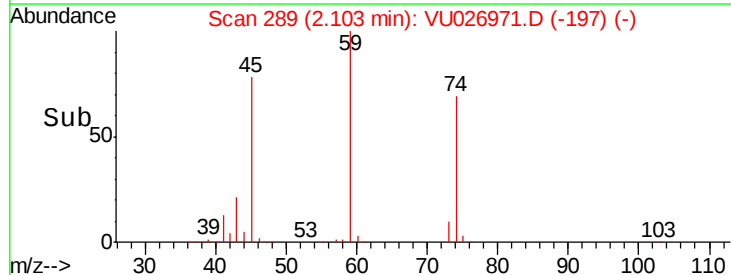
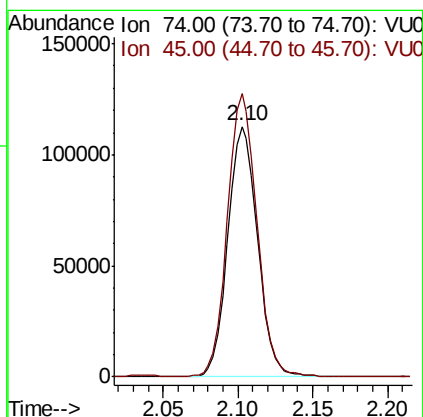
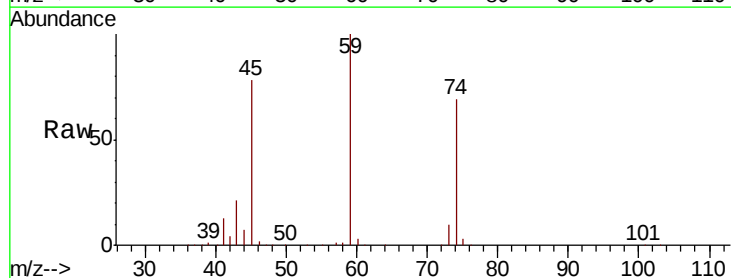
MMDadoda  
9/24/2018 2:14:06 PM

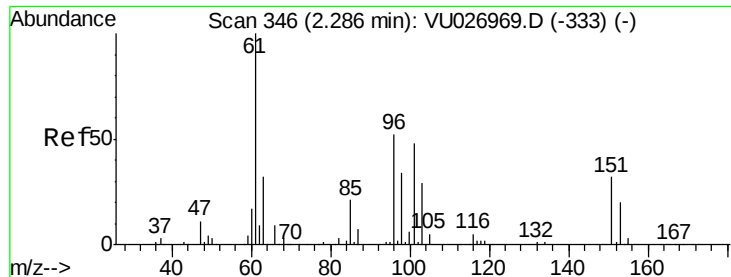


#8

Diethyl Ether  
Concen: 175.702 ug/l  
RT: 2.10 min Scan# 289  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 74      | 100   | 156469 |       |       |
| 45      | 111.7 | 56.9   | 170.7 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 161.327 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

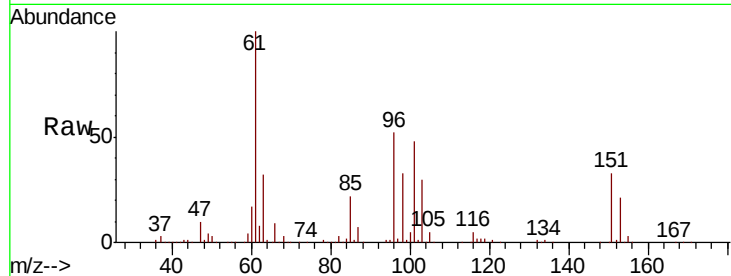
ClientSampleId :

VSTDIC150

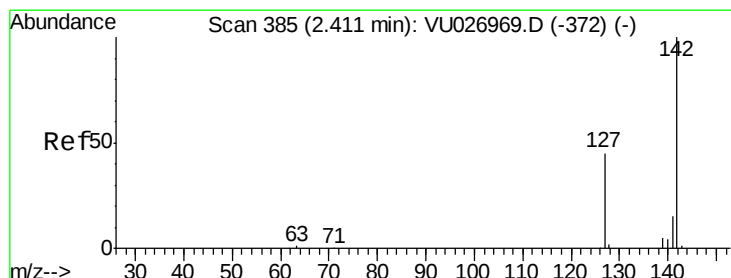
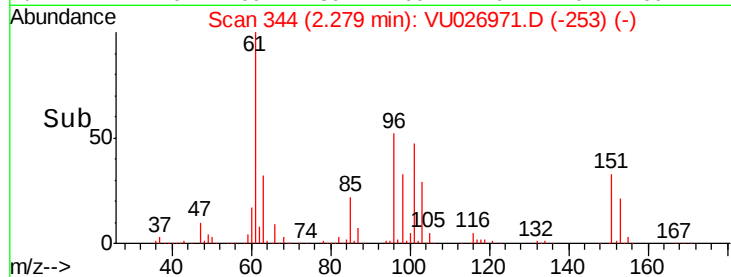
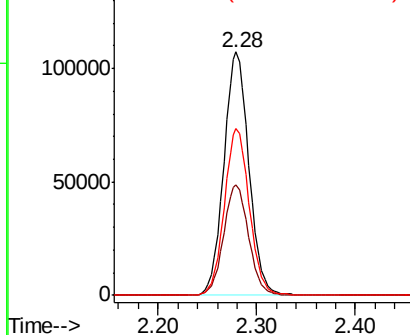
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 191078 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 45.4  | 36.2  | 54.2   |
| 151       | 68.4  | 54.5  | 81.7   |

Manual Integrations  
APPROVED

MMDadoda  
9/24/2018 2:14:06 PM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VU  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 255.186 ug/l

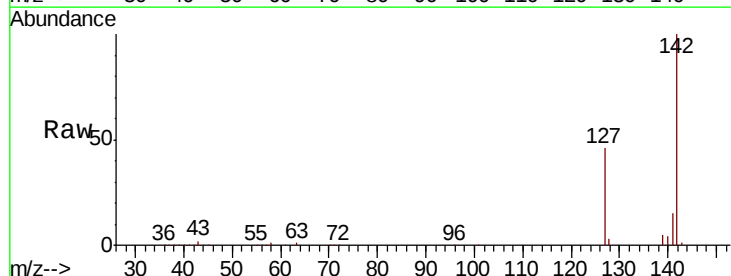
RT: 2.40 min Scan# 383

Delta R.T. -0.01 min

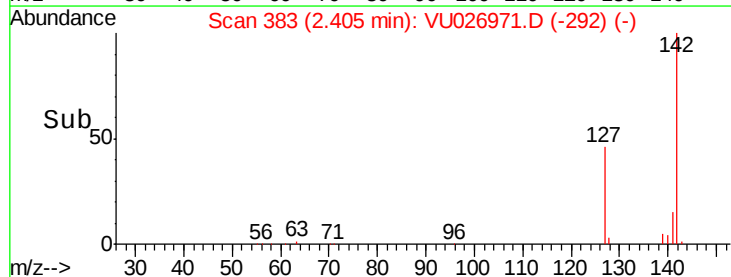
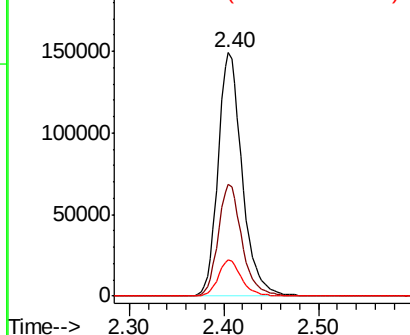
Lab File: VU026971.D

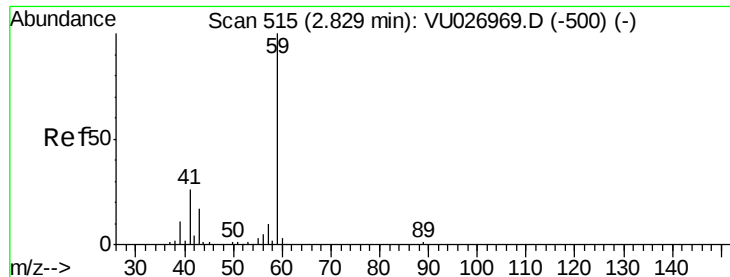
Acq: 21 Sep 2018 16:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 263813 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 45.1  | 36.7  | 55.1   |
| 141       | 14.4  | 11.8  | 17.6   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

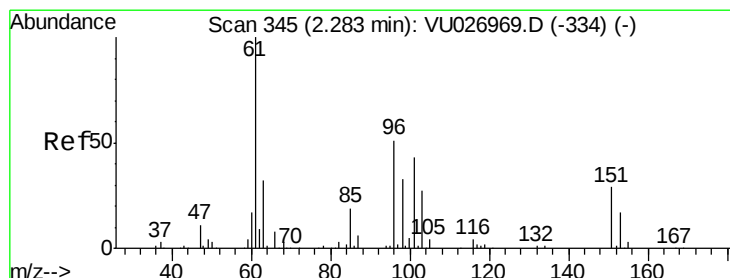
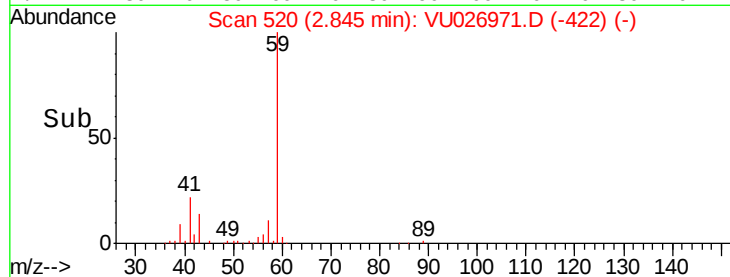
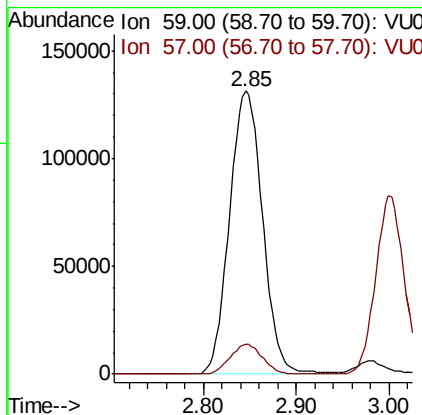
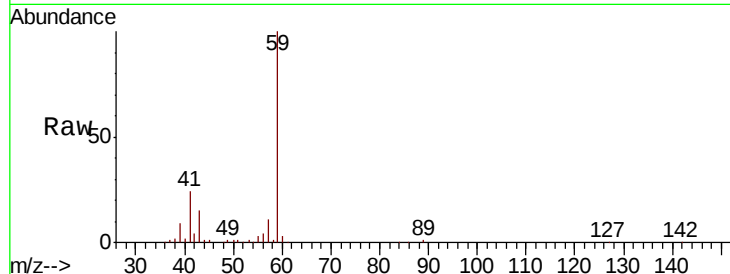
Tert butyl alcohol  
 Concen: 879.650 ug/l  
 RT: 2.85 min Scan# 520  
 Delta R.T. 0.02 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.3  | 8.5   | 12.7  |

Manual Integrations  
 APPROVED

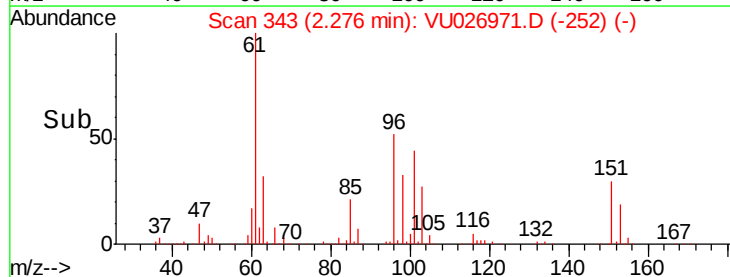
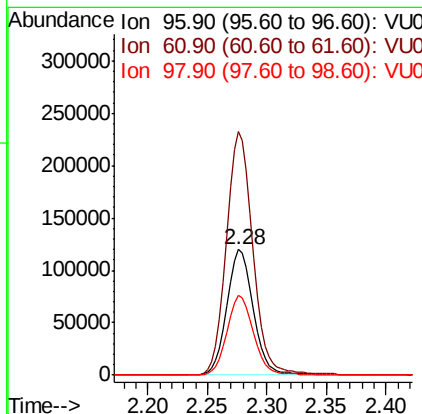
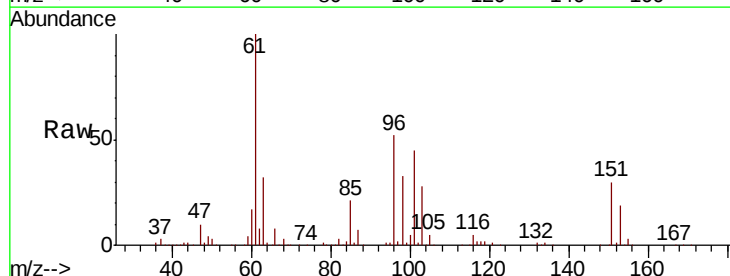
MMDadoda  
 9/24/2018 2:14:06 PM

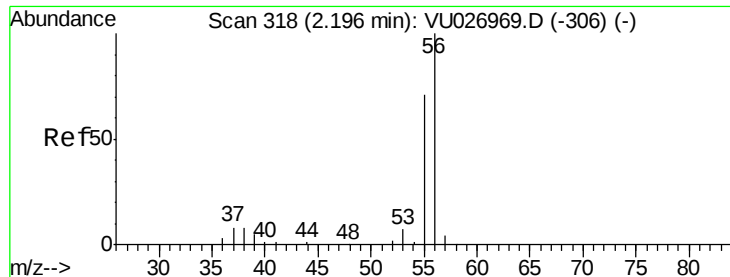


#12

1,1-Dichloroethene  
 Concen: 165.708 ug/l  
 RT: 2.28 min Scan# 343  
 Delta R.T. -0.01 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 194.0 | 156.1 | 234.1 |
| 98      | 63.1  | 51.4  | 77.0  |





#13

Acrolein

Concen: 752.392 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 180990

Ion Ratio Lower Upper

56 100

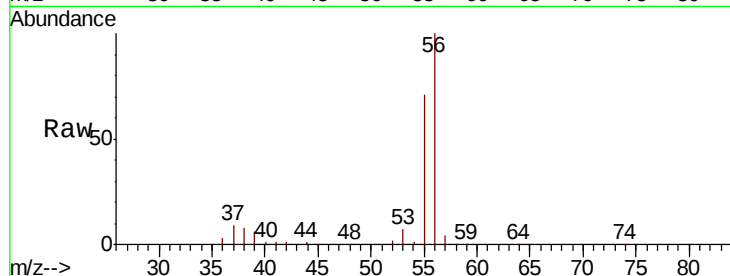
55 71.1 57.1 85.7

Manual Integrations

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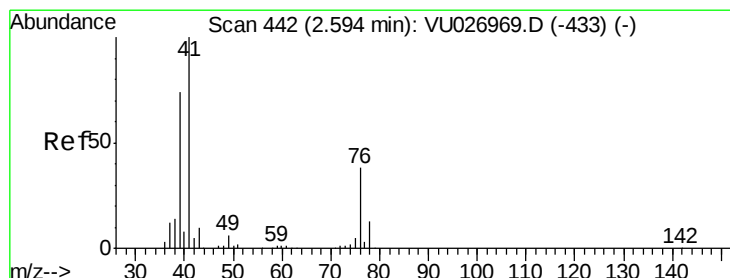
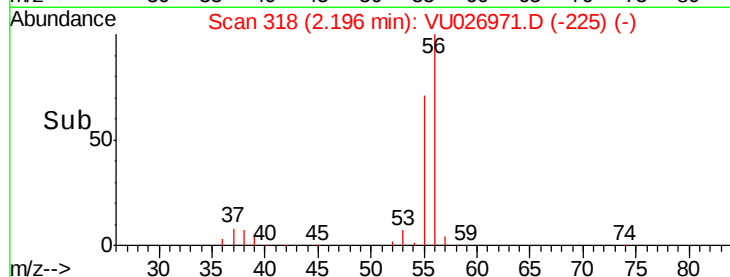
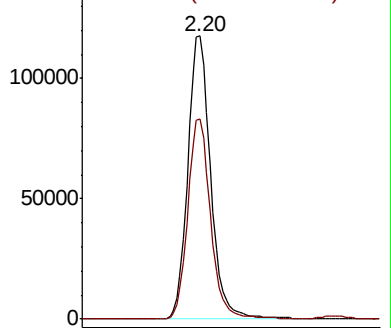
MMDadoda

9/24/2018 2:14:06 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 181.264 ug/l m

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

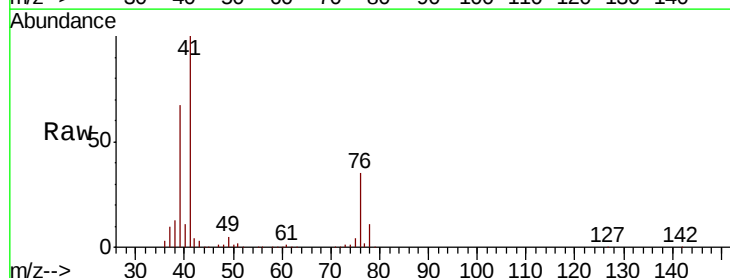
Tgt Ion: 41 Resp: 379333

Ion Ratio Lower Upper

41 100

39 68.7 55.7 83.5

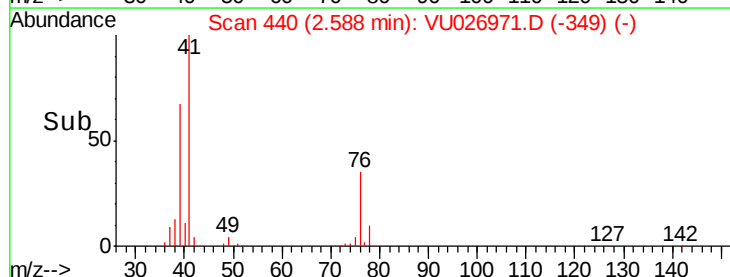
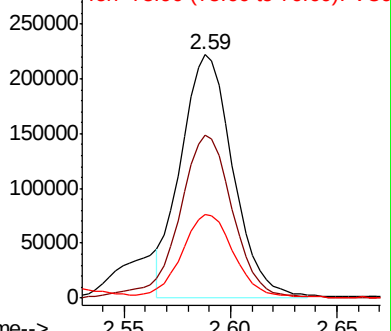
76 33.8 26.5 39.7

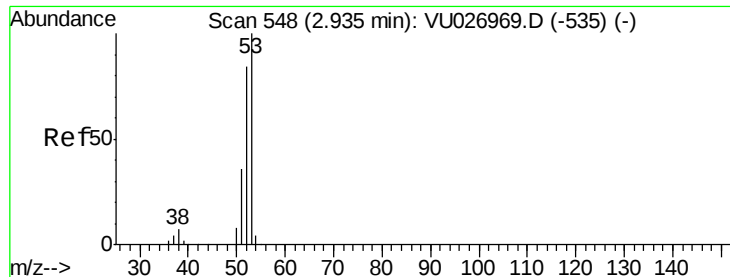


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 996.939 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

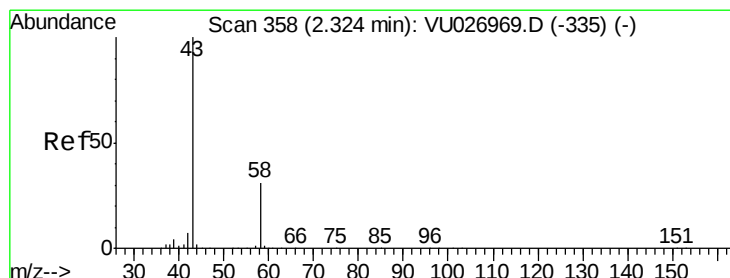
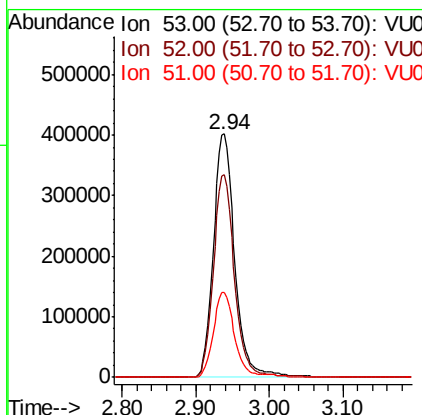
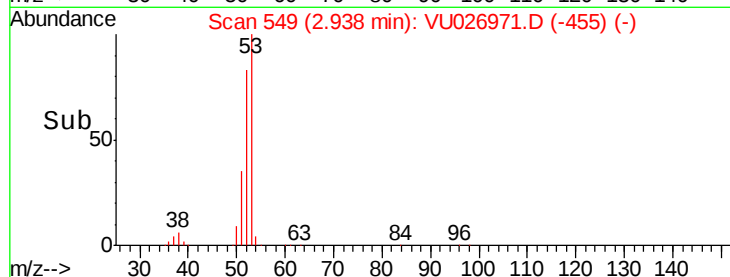
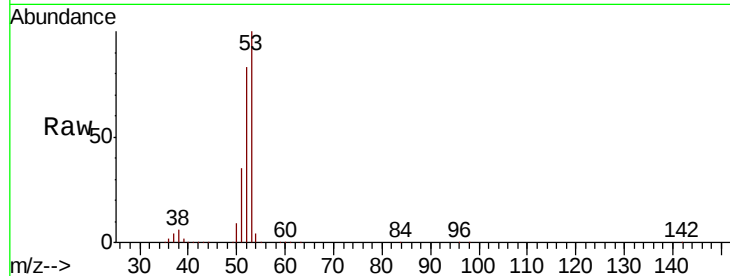
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 806901 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.2  | 65.7  | 98.5   |
| 51       | 35.2  | 27.4  | 41.2   |

Manual Integrations  
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MMDadoda  
9/24/2018 2:14:06 PM



#16

Acetone

Concen: 821.197 ug/l

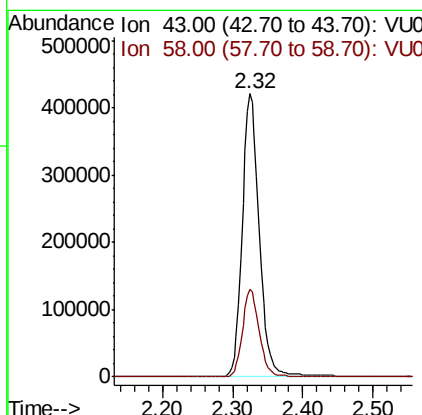
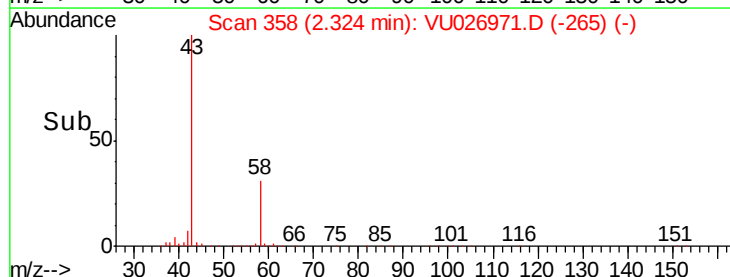
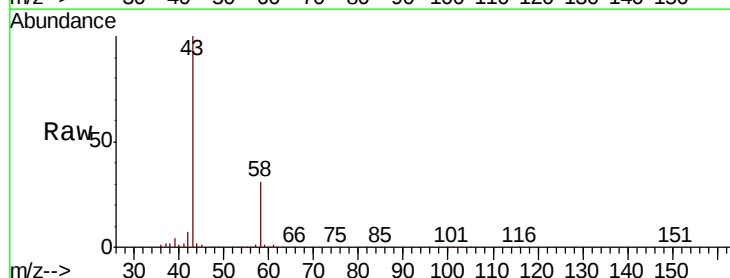
RT: 2.32 min Scan# 358

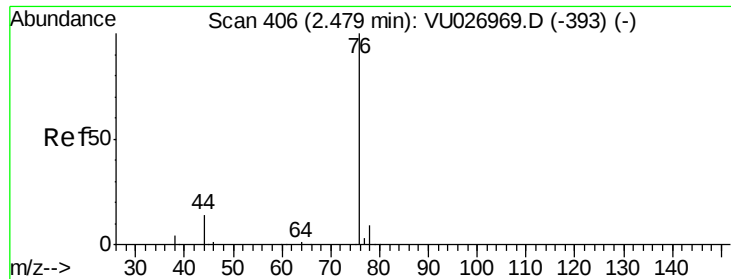
Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 708808 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.9  | 24.6  | 36.8   |





#17

Carbon Disulfide

Concen: 170.136 ug/l

RT: 2.47 min Scan# 403

Delta R.T. -0.01 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 611862

Ion Ratio Lower Upper

76 100

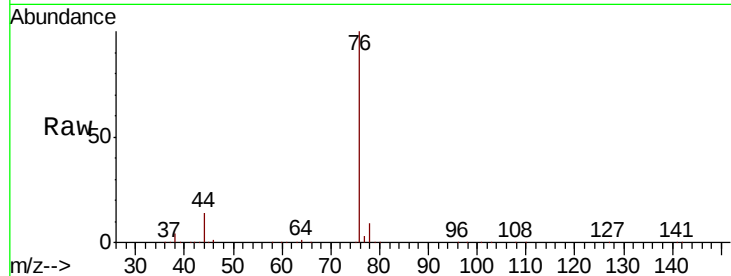
78 9.2 7.1 10.7

Manual Integrations

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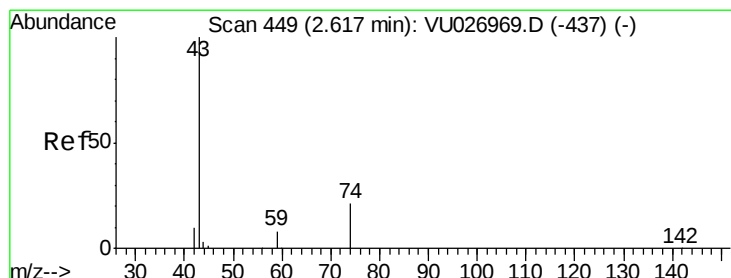
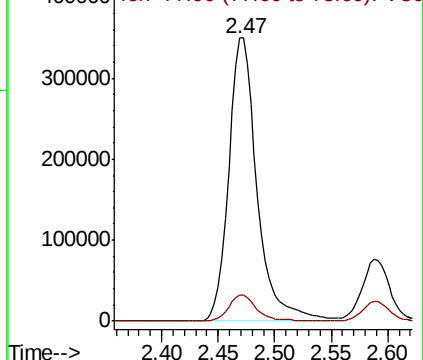
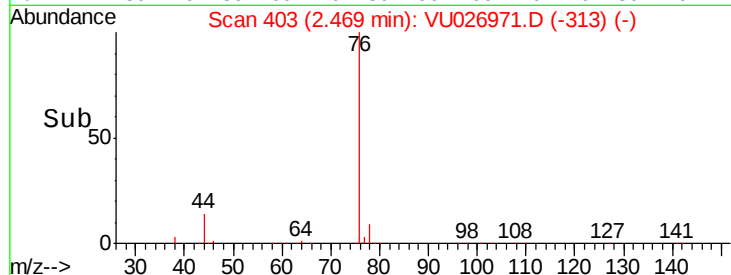
MMDadoda

9/24/2018 2:14:06 PM



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026971.D (-313) (-)



#18

Methyl Acetate

Concen: 202.474 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU026971.D

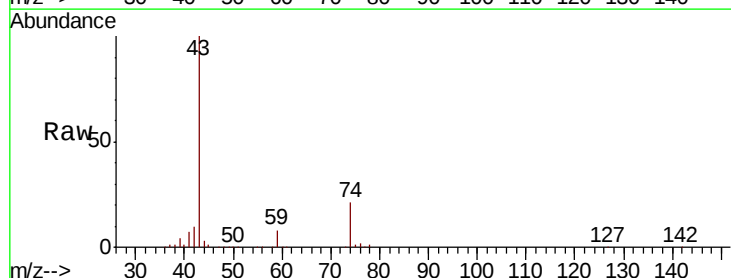
Acq: 21 Sep 2018 16:24

Tgt Ion: 43 Resp: 387910

Ion Ratio Lower Upper

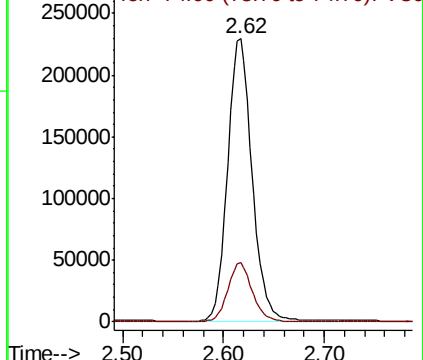
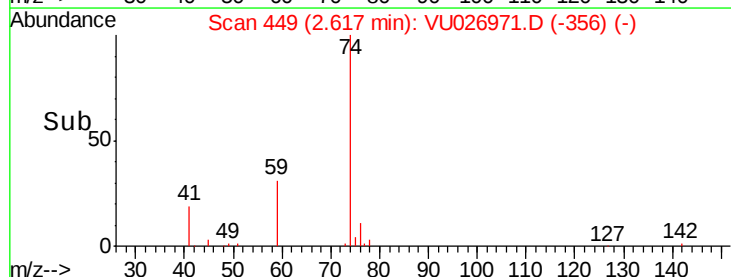
43 100

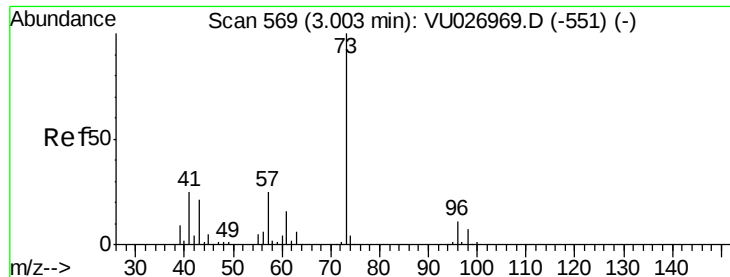
74 21.0 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-437) (-)

Ion 74.00 (73.70 to 74.70): VU026971.D (-356) (-)





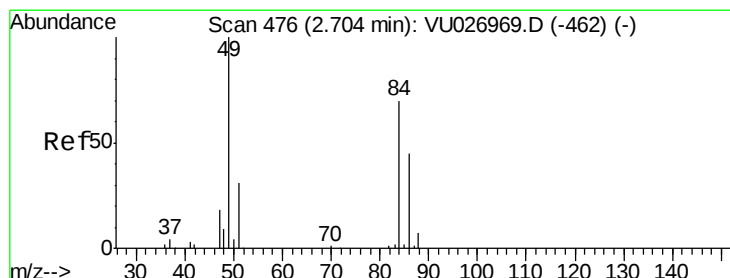
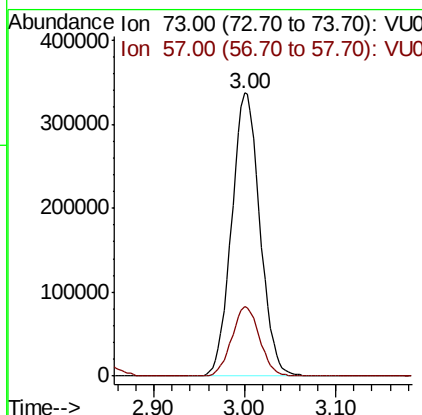
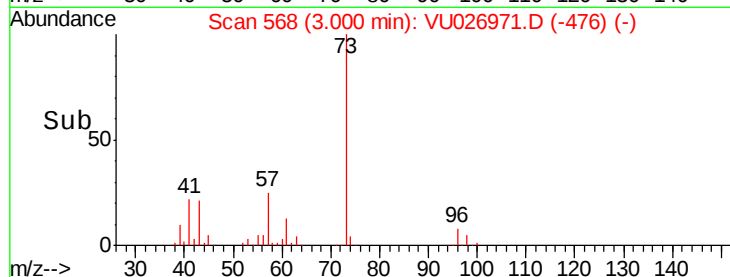
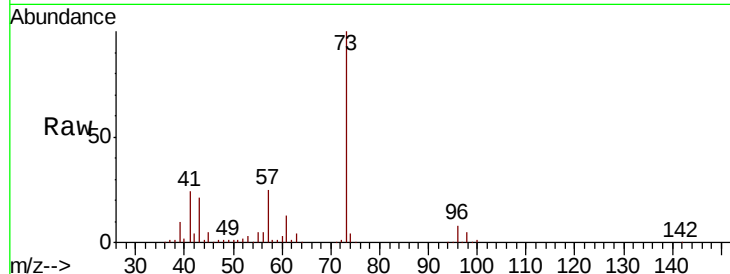
#19  
Methyl tert-butyl Ether  
Concen: 184.550 ug/l  
RT: 3.00 min Scan# 568  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 24.6  | 19.8  | 29.6  |

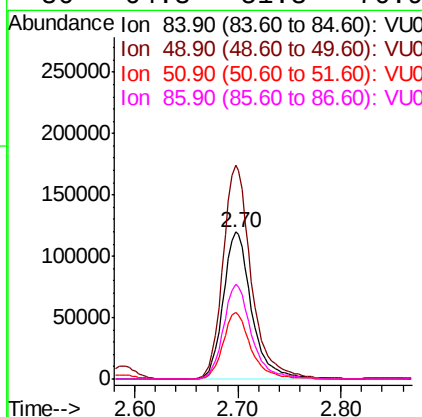
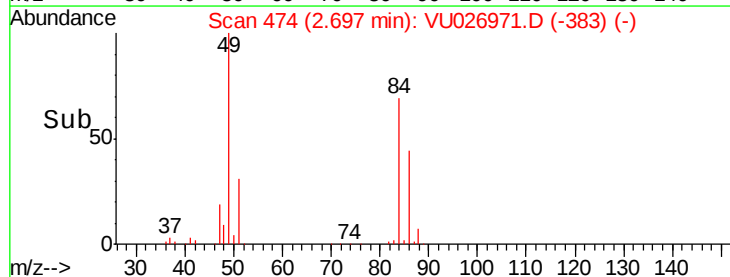
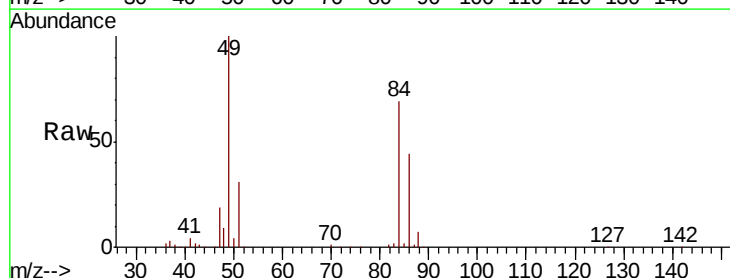
Manual Integrations  
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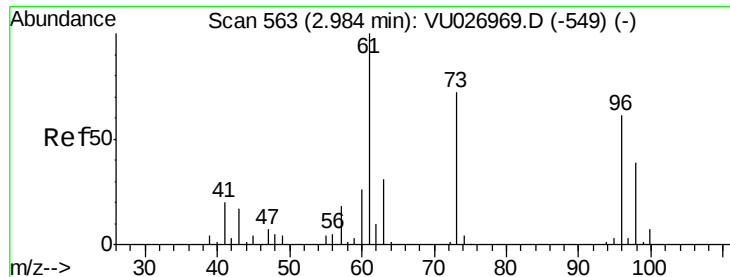
MMDadoda  
9/24/2018 2:14:06 PM



#20  
Methylene Chloride  
Concen: 166.801 ug/l  
RT: 2.70 min Scan# 474  
Delta R.T. -0.01 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 145.7 | 114.9 | 172.3 |
| 51      | 45.4  | 35.8  | 53.8  |
| 86      | 64.3  | 51.3  | 76.9  |





#21

trans-1,2-Dichloroethene

Concen: 171.389 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

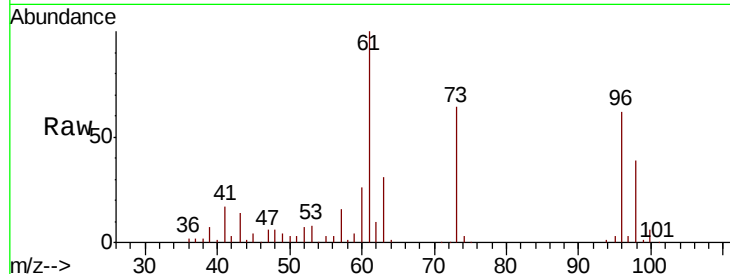
ClientSampleId :

VSTDIC150

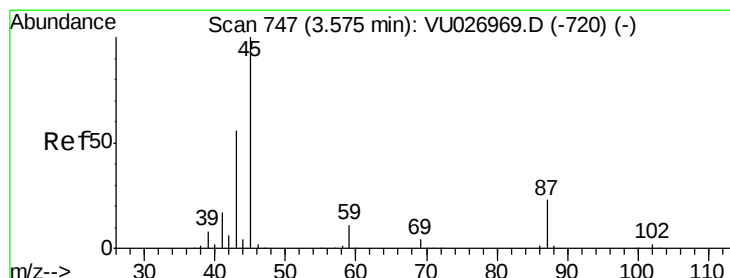
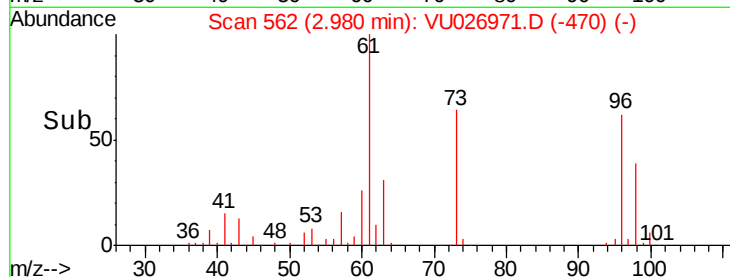
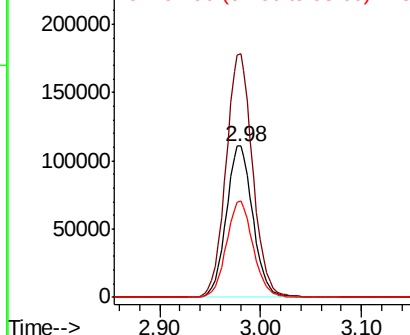
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 204287 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 161.0 | 131.8 | 197.6  |
| 98       | 63.5  | 50.9  | 76.3   |

Manual Integrations  
APPROVED

MMDadoda  
9/24/2018 2:14:06 PM



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: 199.143 ug/l

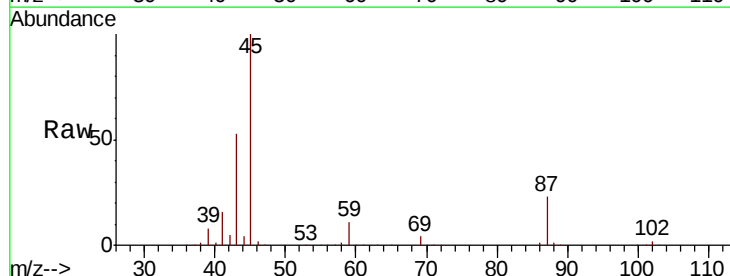
RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

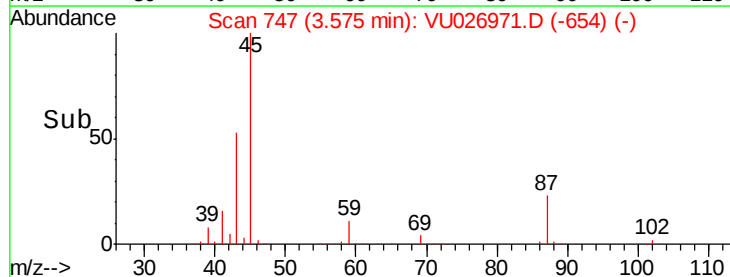
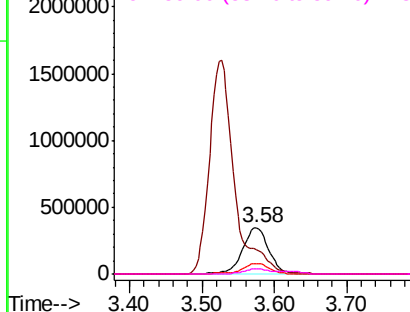
Lab File: VU026971.D

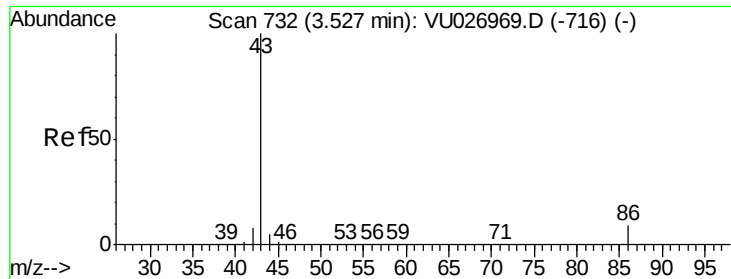
Acq: 21 Sep 2018 16:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 872706 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 52.0  | 45.8  | 68.6   |
| 87       | 23.1  | 18.6  | 28.0   |
| 59       | 11.1  | 9.0   | 13.4   |



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: 1023.746 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3808532

Ion Ratio Lower Upper

43 100

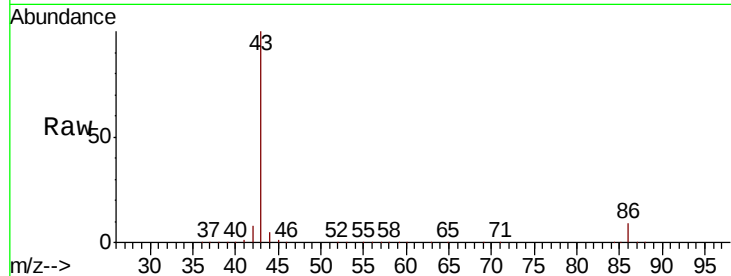
86 9.1 7.2 10.8

Manual Integrations

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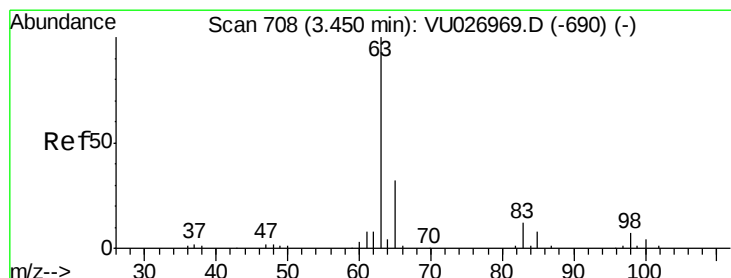
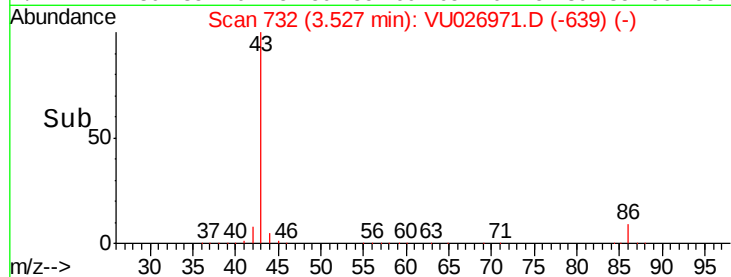
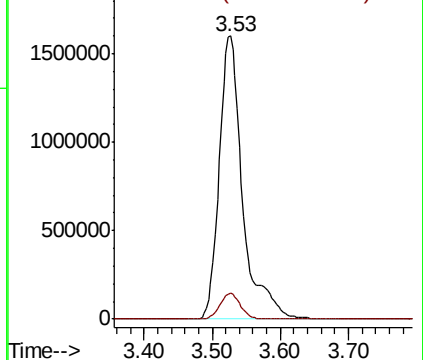
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 184.844 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.01 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

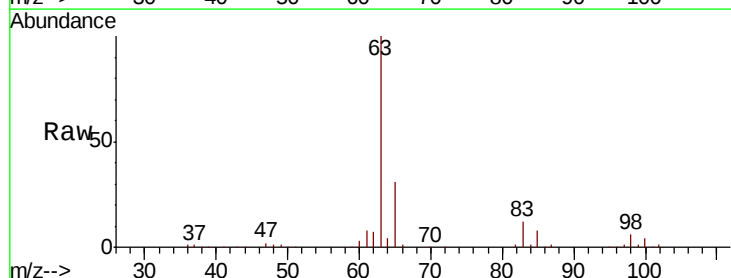
Tgt Ion: 63 Resp: 451113

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

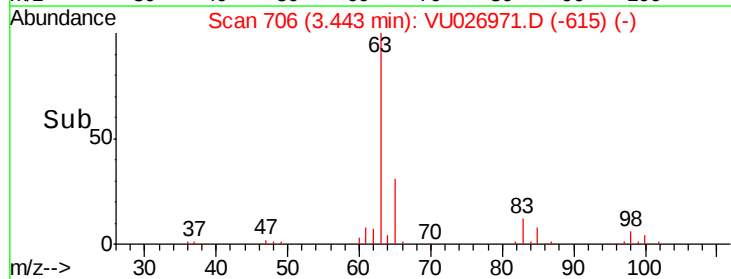
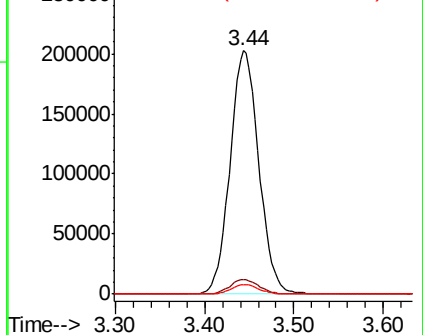
100 3.9 2.0 5.8

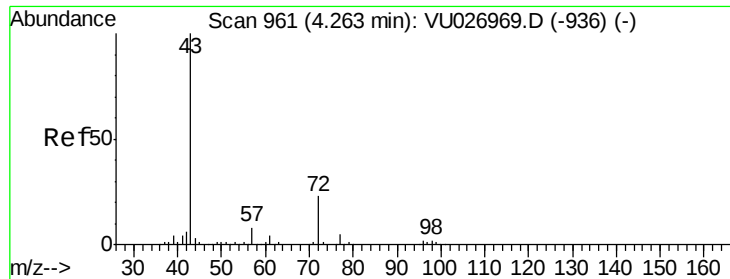


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 980.434 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1154760

Ion Ratio Lower Upper

43 100

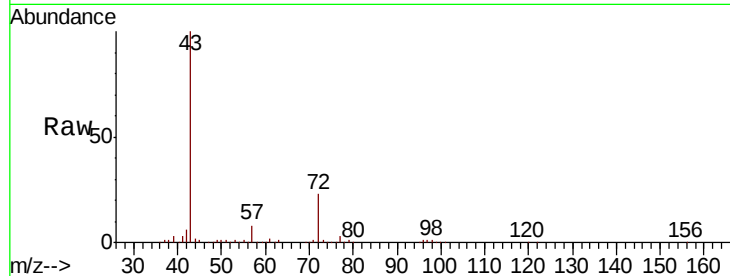
72 23.3 18.4 27.6

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

4.27

500000

400000

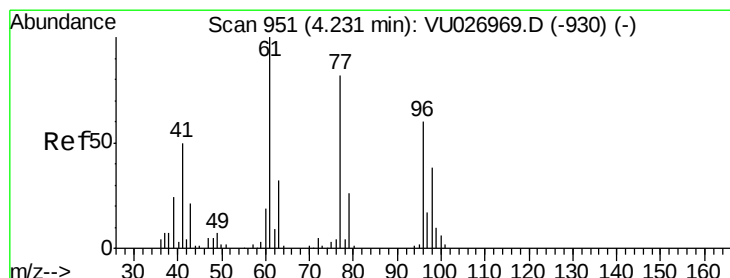
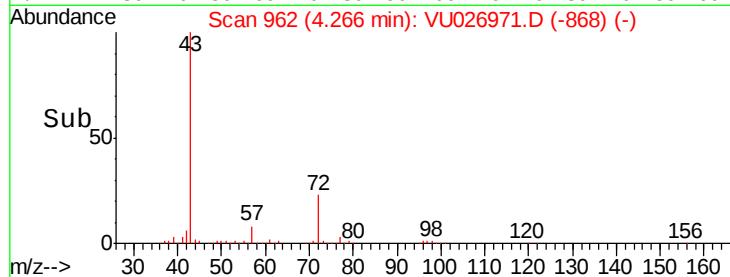
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 174.471 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026971.D

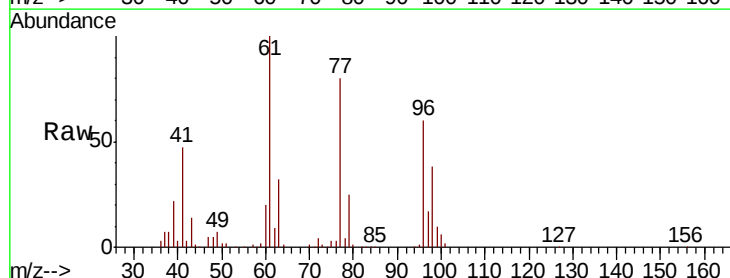
Acq: 21 Sep 2018 16:24

Tgt Ion: 77 Resp: 345844

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

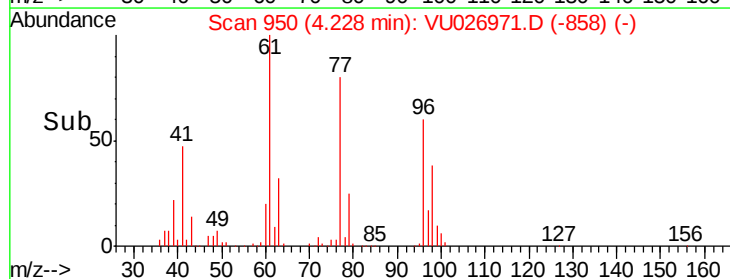
150000

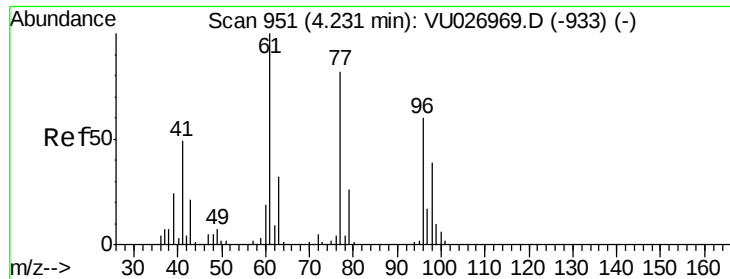
100000

50000

0

Time-->





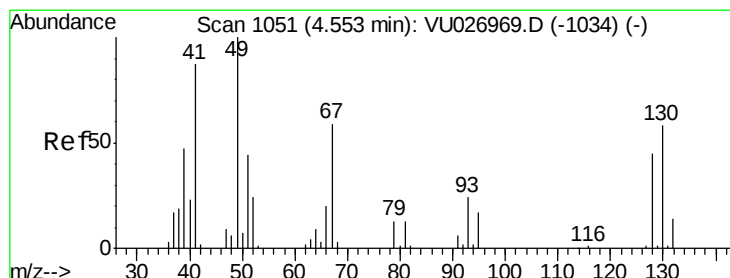
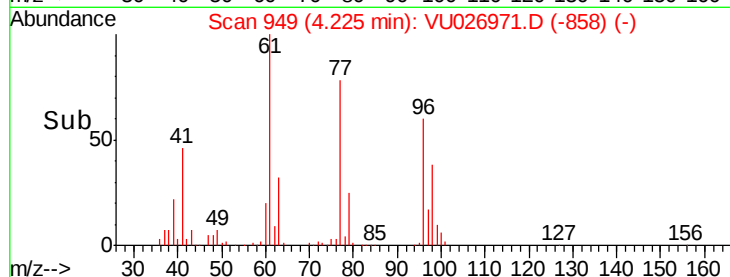
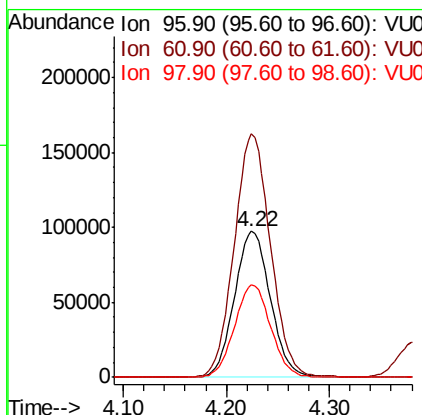
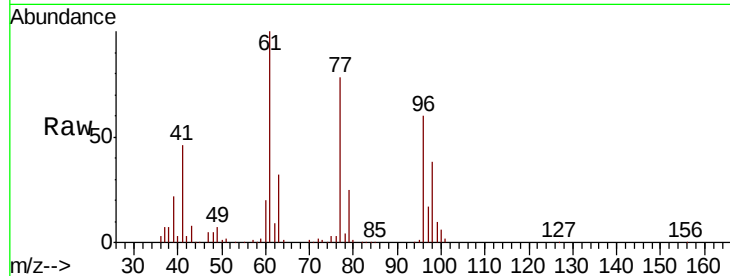
#27  
 cis-1,2-Dichloroethene  
 Concen: 172.958 ug/l  
 RT: 4.22 min Scan# 949  
 Delta R.T. -0.01 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 168.7 | 0.0   | 337.2 |
| 98      | 64.1  | 0.0   | 127.6 |

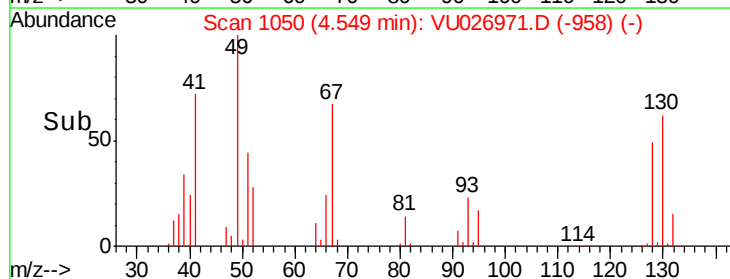
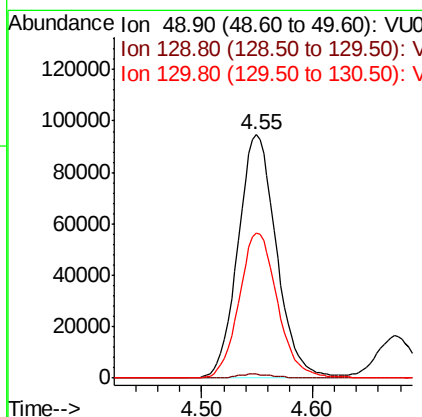
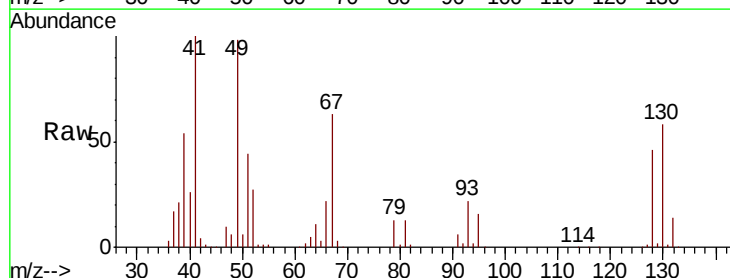
Manual Integrations  
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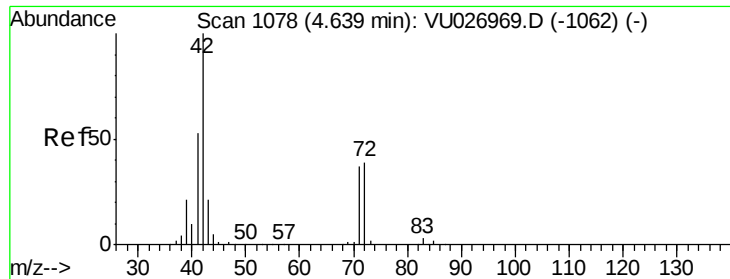
MMDadoda  
 9/24/2018 2:14:06 PM



#28  
 Bromochloromethane  
 Concen: 194.598 ug/l  
 RT: 4.55 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.6   | 0.0   | 3.0   |
| 130     | 59.6  | 47.8  | 71.8  |





#29

Tetrahydrofuran

Concen: 1030.526 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

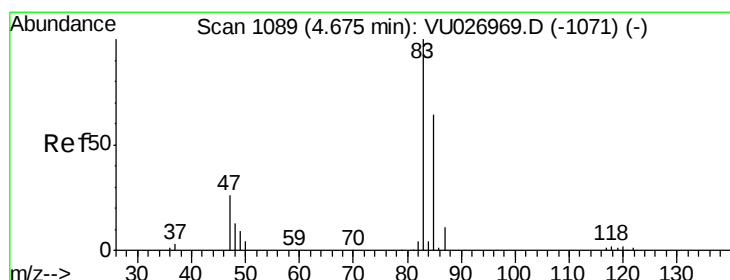
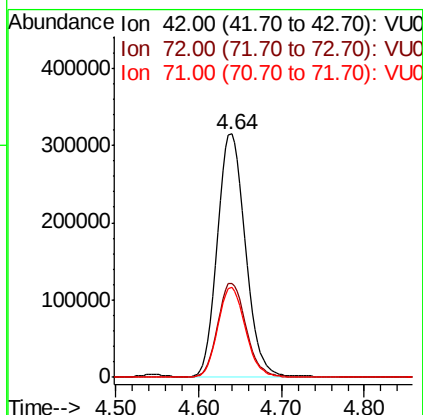
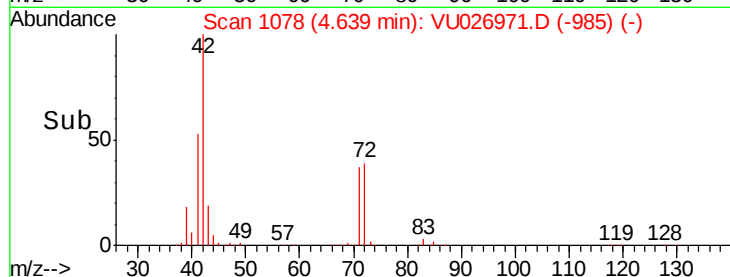
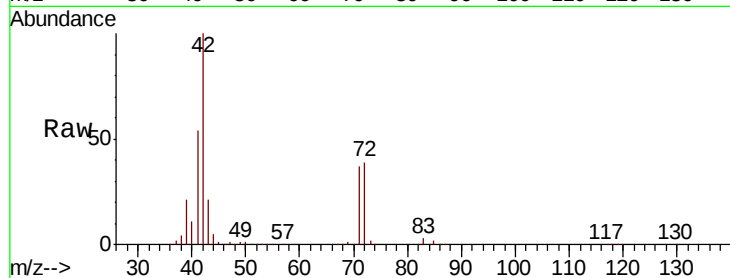
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 738882 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 39.3  | 31.7  | 47.5   |
| 71       | 36.6  | 29.6  | 44.4   |

Manual Integrations  
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9/24/2018 2:14:06 PM



#30

Chloroform

Concen: 170.924 ug/l

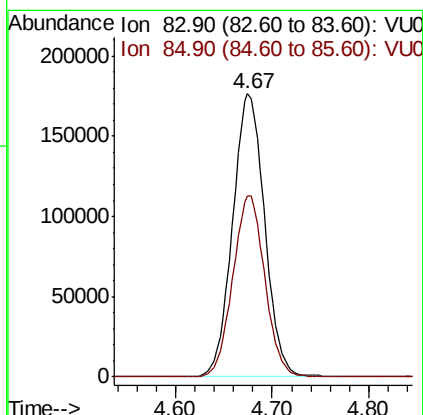
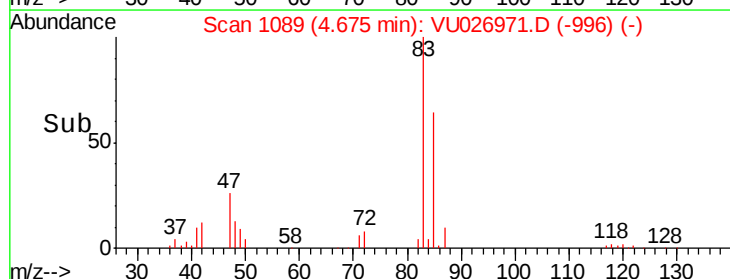
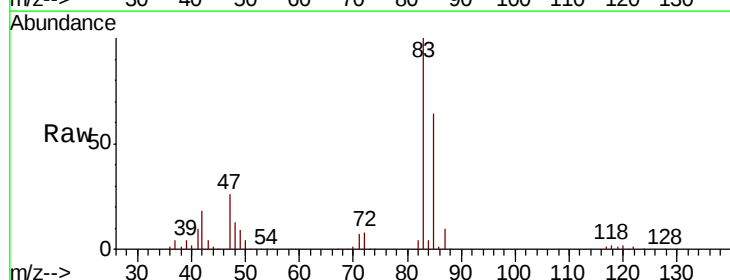
RT: 4.67 min Scan# 1089

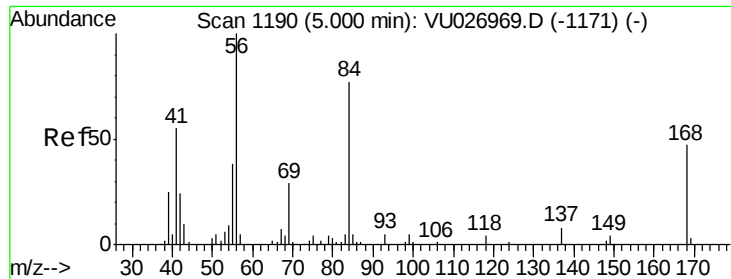
Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 405605 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.9  | 51.5  | 77.3   |





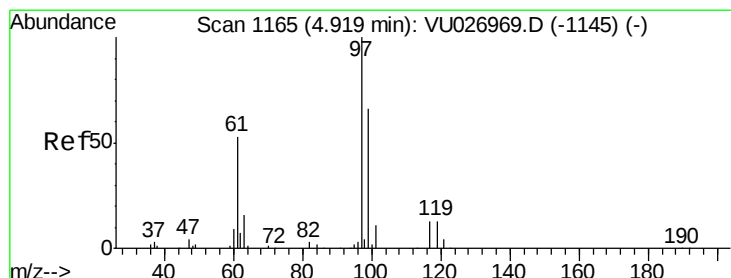
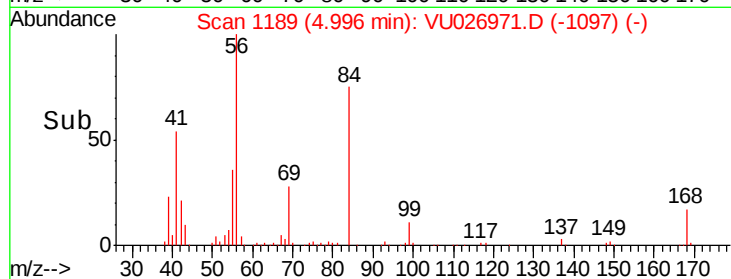
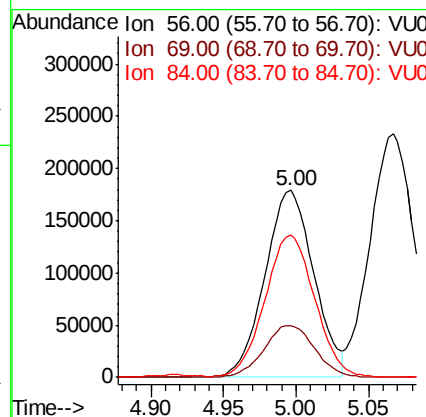
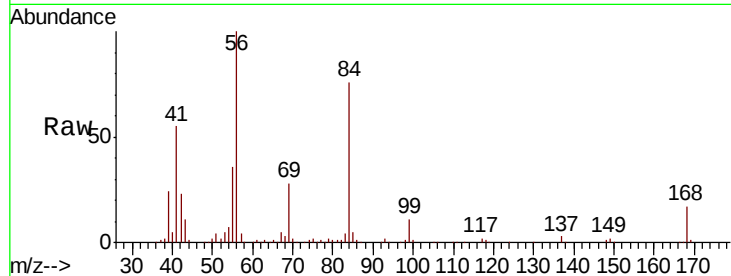
#31  
Cyclohexane  
Concen: 167.293 ug/l  
RT: 5.00 min Scan# 1189  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 27.9  | 23.0  | 34.4  |
| 84      | 75.1  | 61.4  | 92.2  |

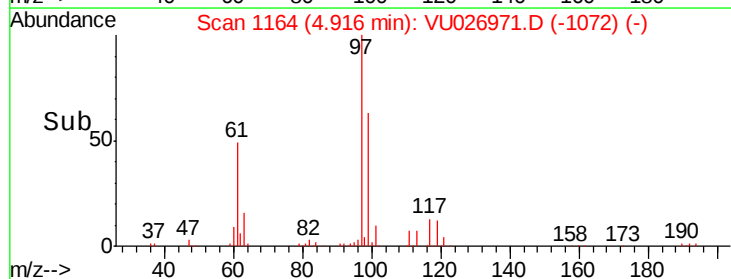
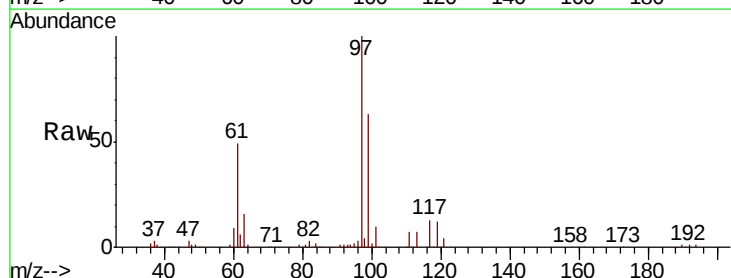
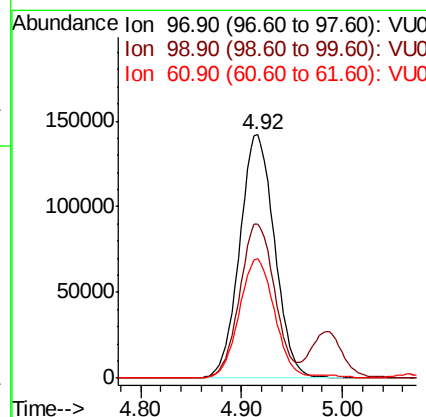
Manual Integrations  
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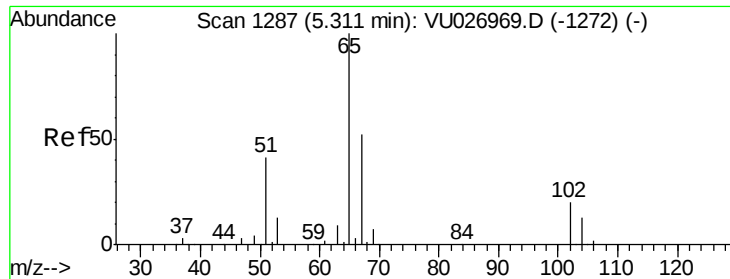
MMDadoda  
9/24/2018 2:14:06 PM



#32  
1,1,1-Trichloroethane  
Concen: 175.007 ug/l  
RT: 4.92 min Scan# 1164  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.0  | 51.8  | 77.6  |
| 61      | 49.6  | 41.1  | 61.7  |





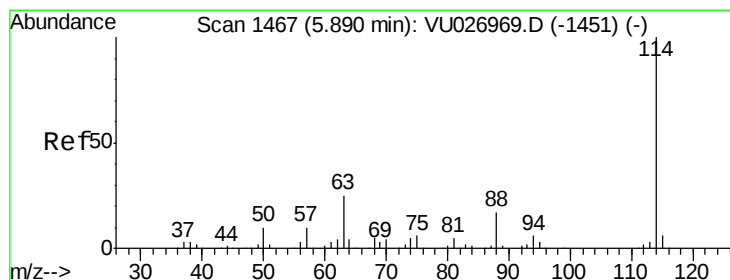
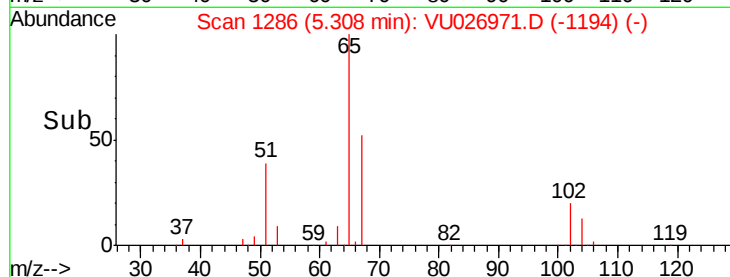
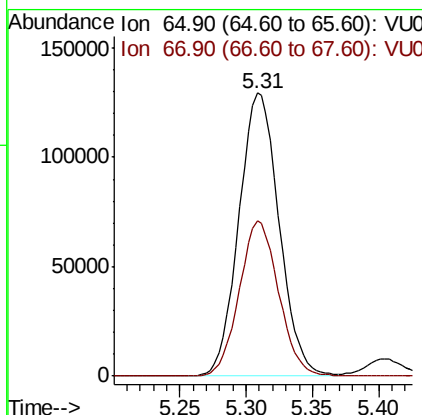
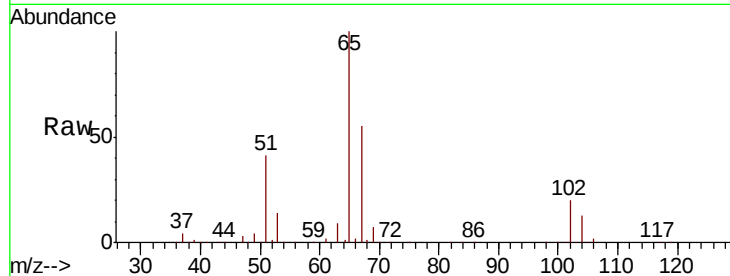
#33  
 1,2-Dichloroethane-d4  
 Concen: 178.095 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.8  | 0.0   | 105.6 |

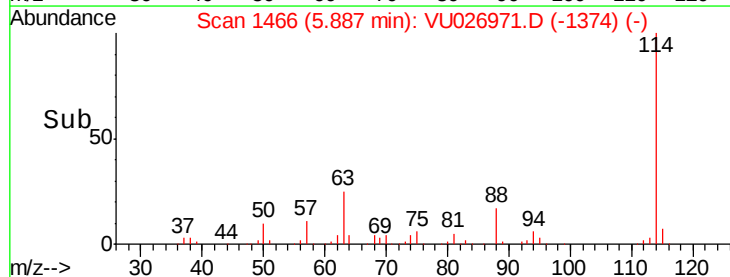
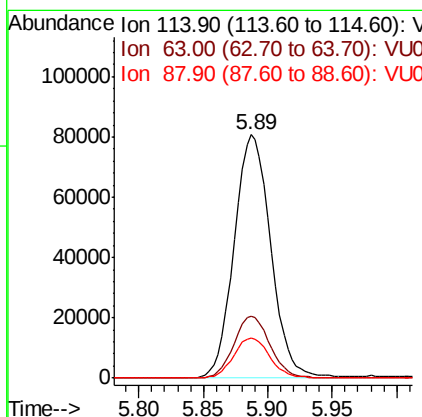
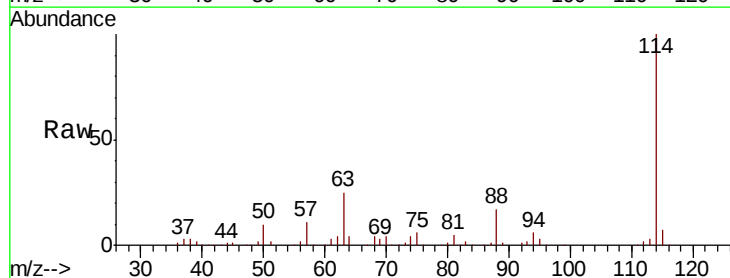
Manual Integrations  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 25.4  | 0.0   | 49.2  |
| 88      | 16.7  | 0.0   | 33.8  |





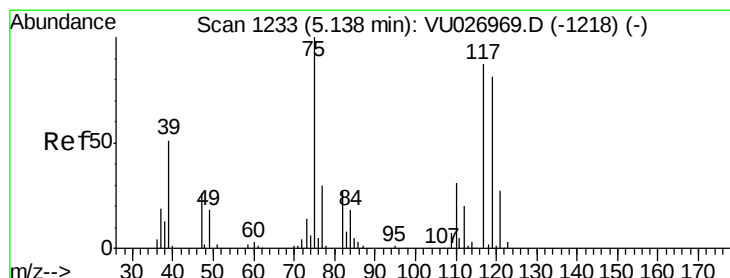
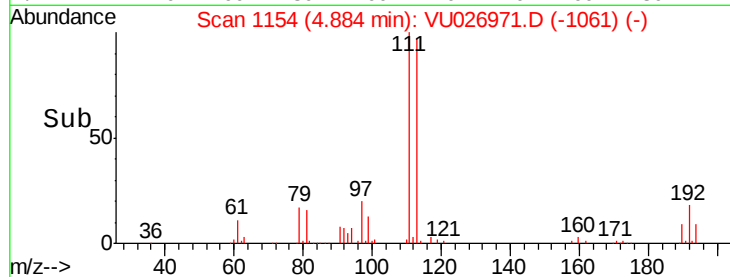
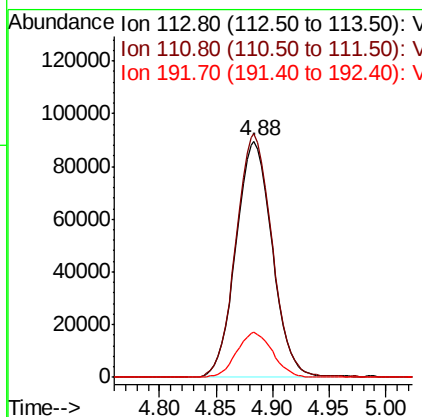
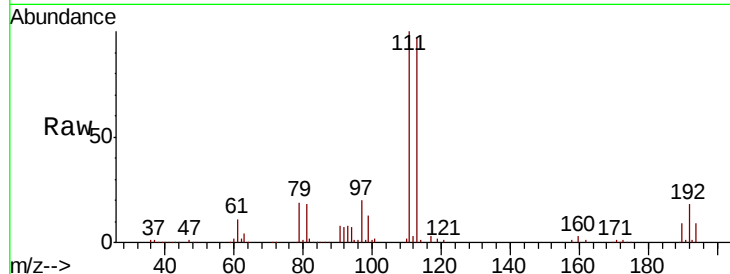
#35  
 Dibromofluoromethane  
 Concen: 150.824 ug/l  
 RT: 4.88 min Scan# 1154  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 200141 |       |       |
| 111     | 102.8 | 82.2   | 123.4 |       |
| 192     | 18.9  | 15.2   | 22.8  |       |

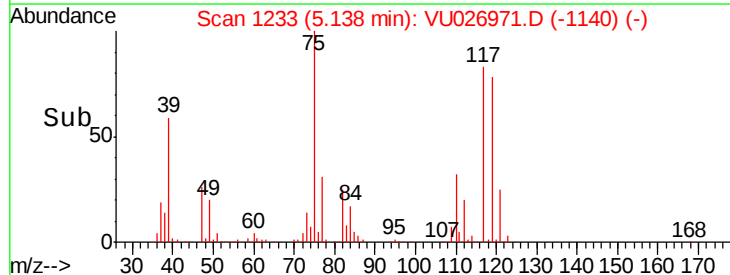
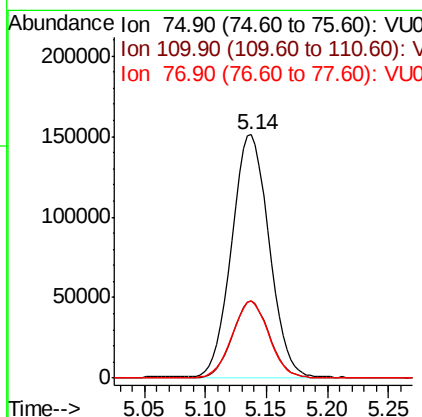
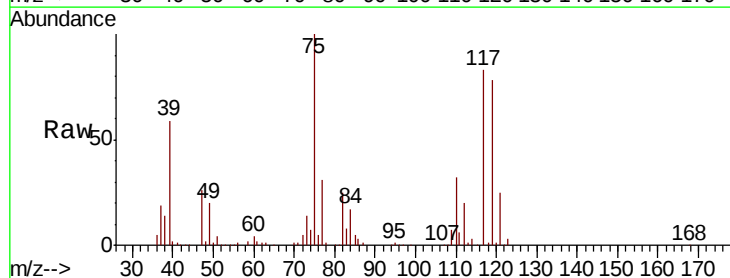
Manual Integrations  
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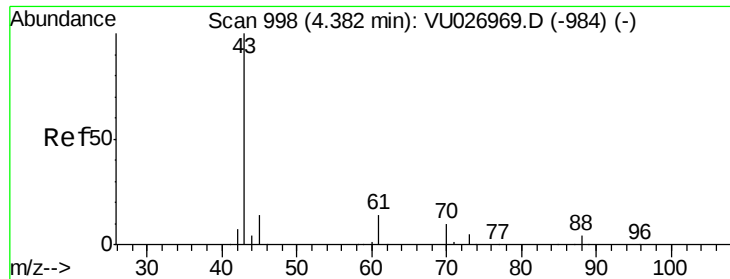
MMDadoda  
 9/24/2018 2:14:06 PM



#36  
 1,1-Dichloropropene  
 Concen: 173.584 ug/l  
 RT: 5.14 min Scan# 1233  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 320372 |       |       |
| 110     | 31.6  | 16.1   | 48.2  |       |
| 77      | 31.0  | 24.6   | 36.8  |       |





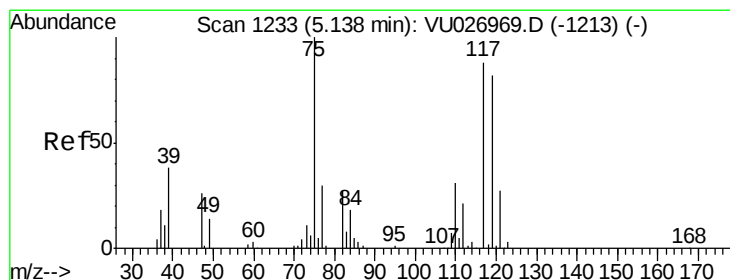
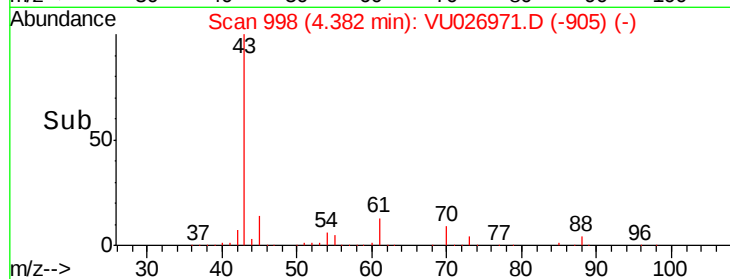
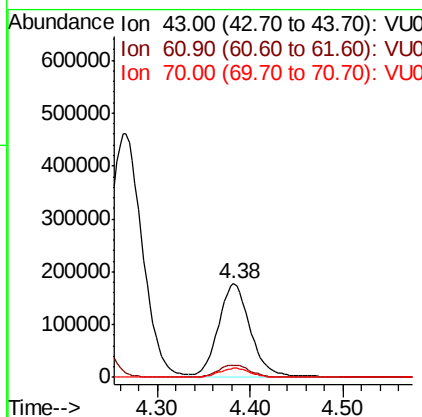
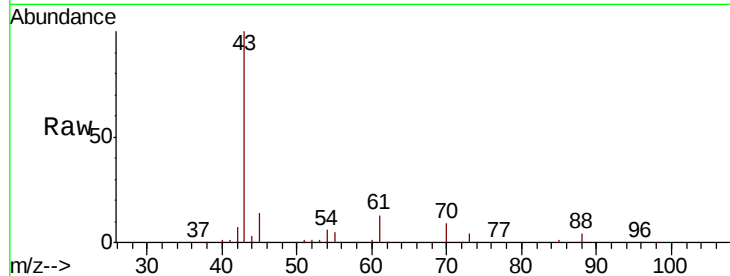
#37  
Ethyl Acetate  
Concen: 183.989 ug/l  
RT: 4.38 min Scan# 998  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

| Tot Ion | 43     | 61   | 70   |
|---------|--------|------|------|
| Resp    | 419376 |      |      |
| Ratio   | 100    | 13.6 | 9.5  |
| Lower   |        | 10.5 | 7.4  |
| Upper   |        | 15.7 | 11.0 |

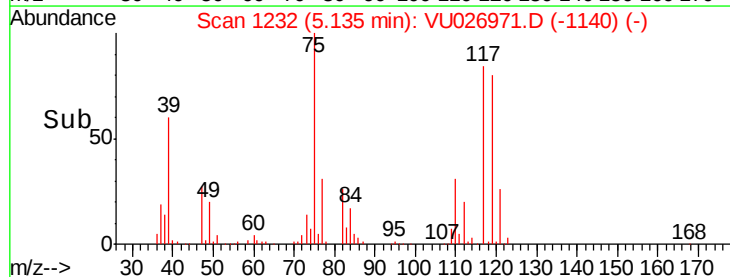
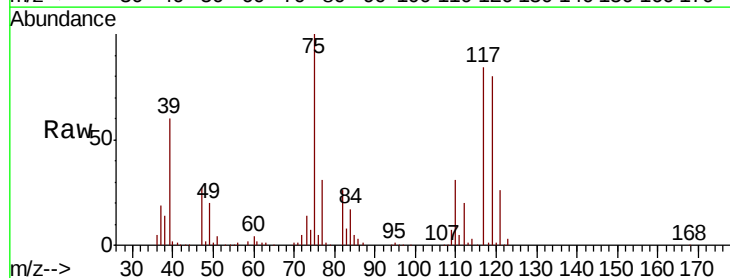
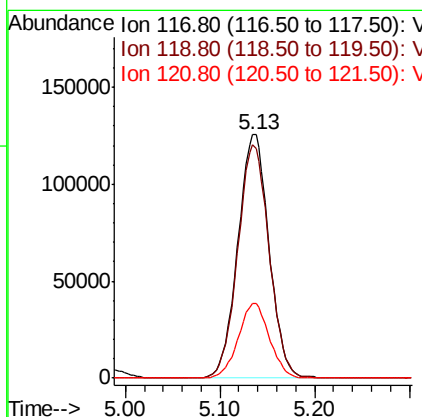
Manual Integrations  
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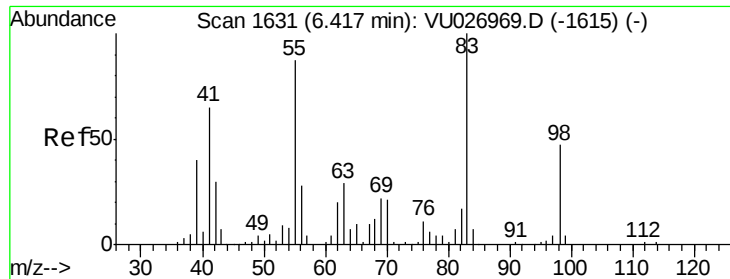
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 150.009 ug/l  
RT: 5.13 min Scan# 1232  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | 117    | 119   | 121  |
|---------|--------|-------|------|
| Resp    | 288009 |       |      |
| Ratio   | 100    | 95.7  | 30.6 |
| Lower   |        | 74.4  | 24.2 |
| Upper   |        | 111.6 | 36.4 |





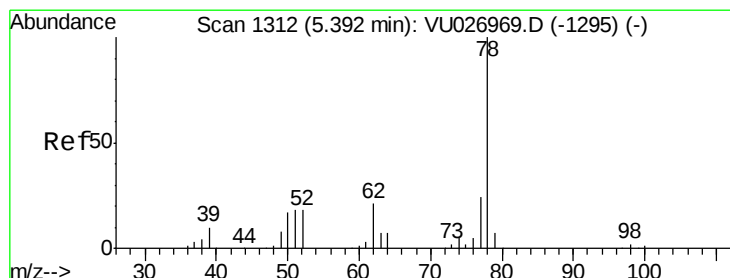
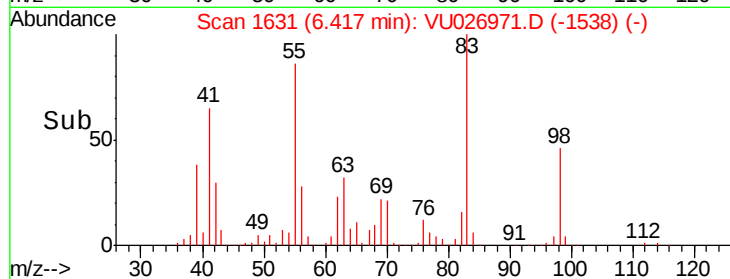
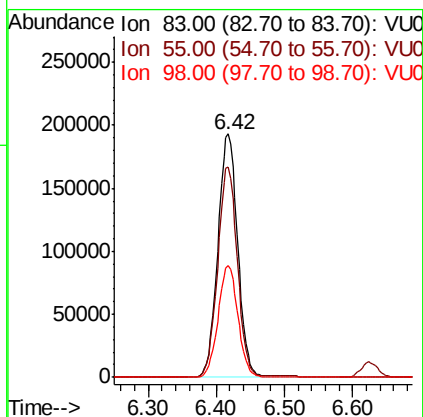
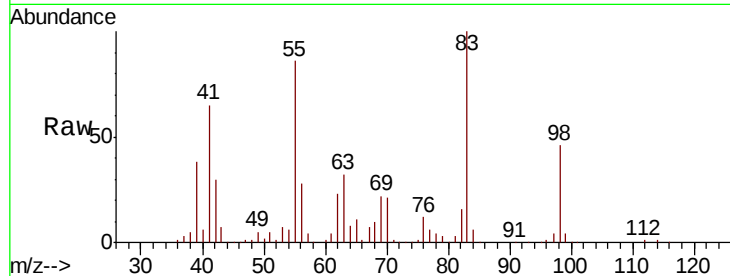
#39  
Methvlcvclohexane  
Concen: 180.373 ug/l  
RT: 6.42 min Scan# 1631  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

| Tot Ion   | 83    | Resp  | 392103 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 86.2  | 69.9  | 104.9  |
| 98        | 45.9  | 37.5  | 56.3   |

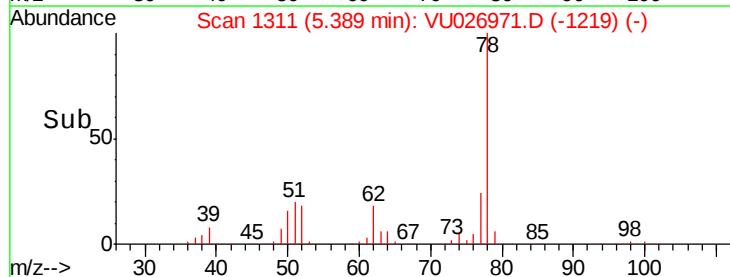
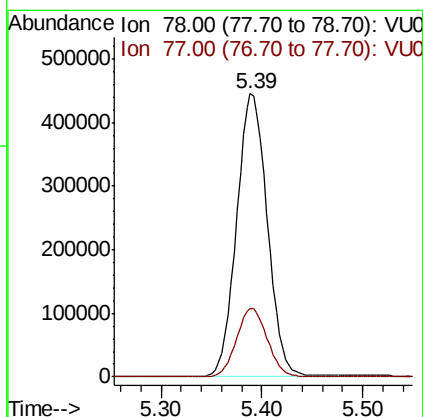
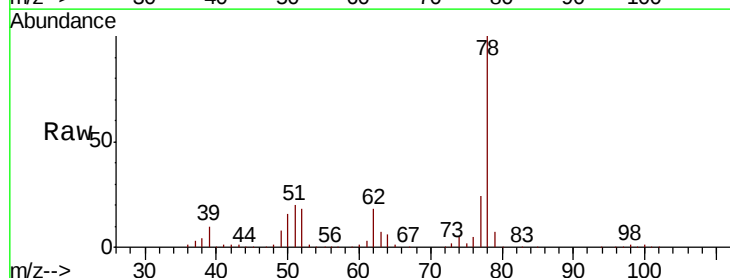
Manual Integrations  
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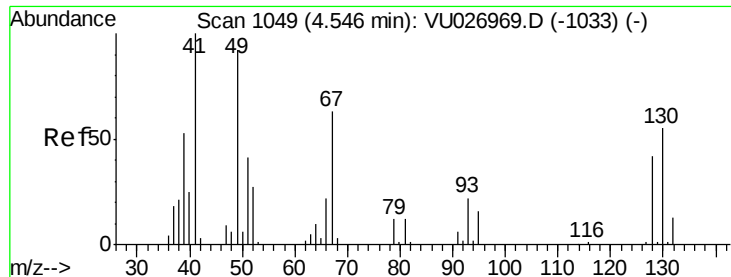
MMDadoda  
9/24/2018 2:14:06 PM



#40  
Benzene  
Concen: 165.144 ug/l  
RT: 5.39 min Scan# 1311  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion   | 78    | Resp  | 942722 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 24.4  | 19.4  | 29.0   |





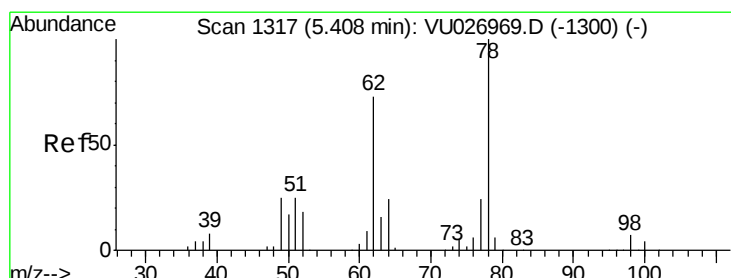
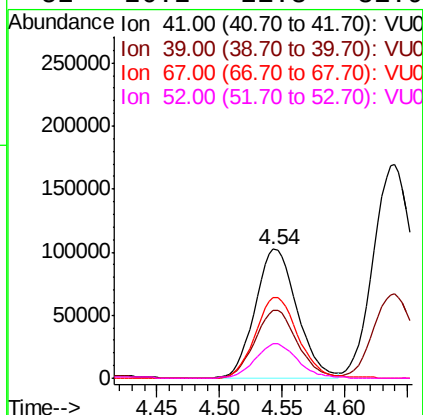
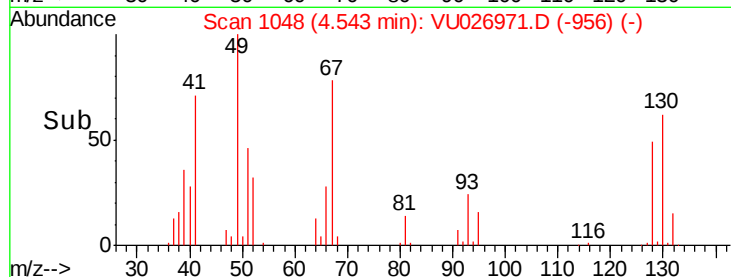
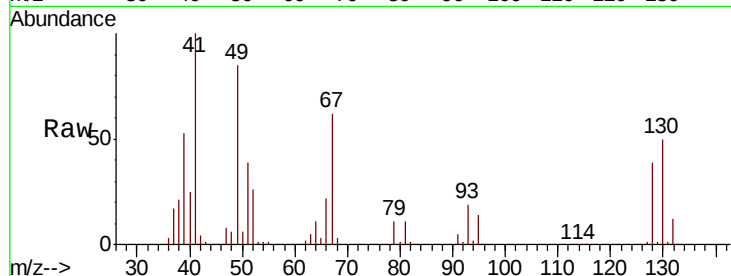
#41  
Methacrylonitrile  
Concen: 199.905 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 53.0 | 42.9  | 64.3  |       |
| 67      | 64.2 | 52.4  | 78.6  |       |
| 52      | 26.2 | 21.3  | 31.9  |       |

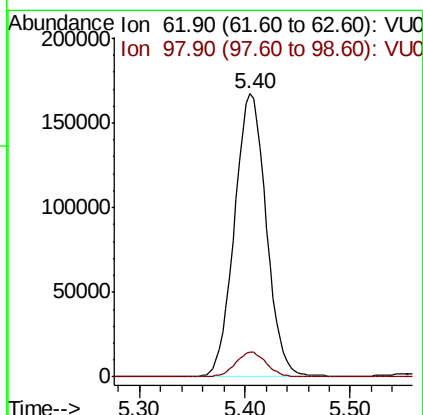
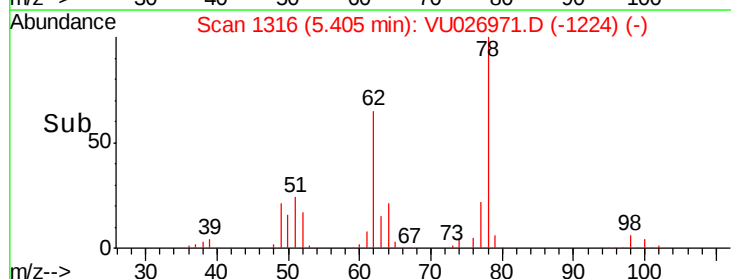
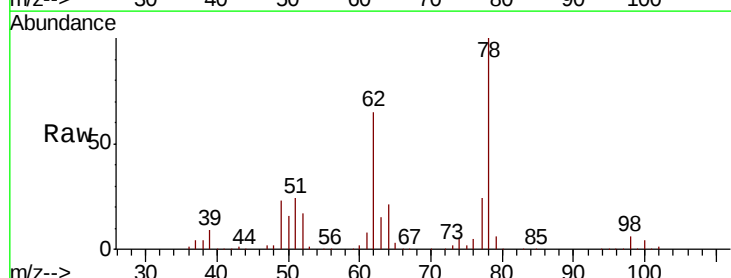
Manual Integrations  
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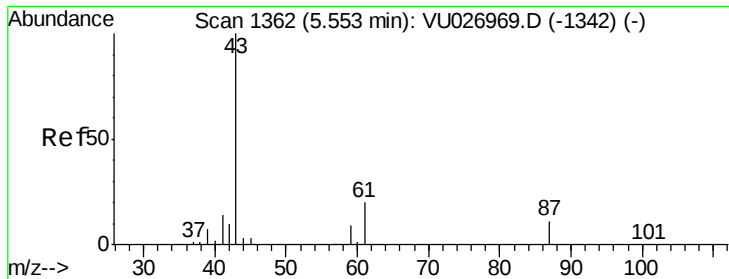
MMDadoda  
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#42  
1,2-Dichloroethane  
Concen: 169.157 ug/l  
RT: 5.40 min Scan# 1316  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.5 | 0.0   | 17.0  |       |





#43

Isopropyl Acetate

Concen: 193.910 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

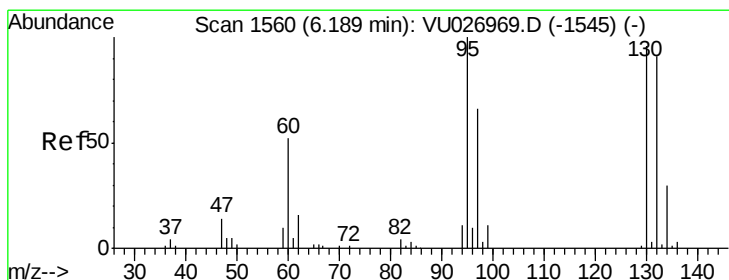
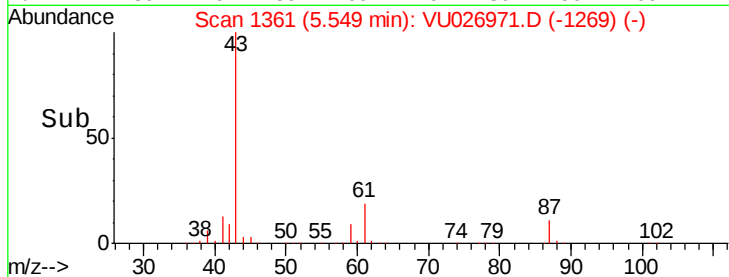
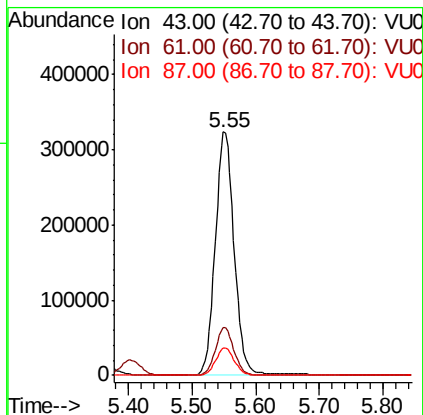
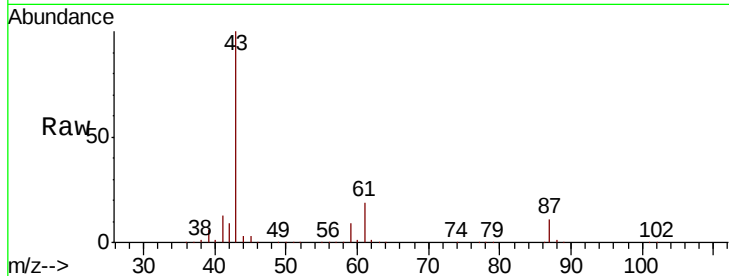
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 667736 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.3  | 15.7  | 23.5   |
| 87       | 11.1  | 9.0   | 13.4   |

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#44

Trichloroethene

Concen: 151.517 ug/l

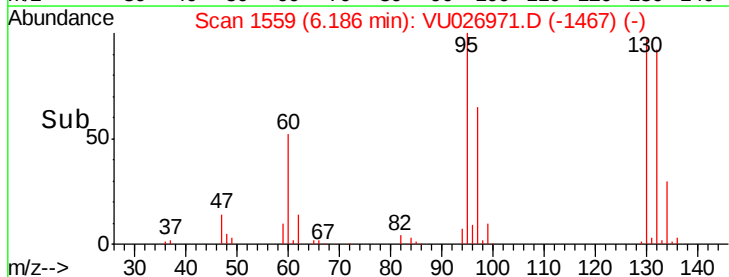
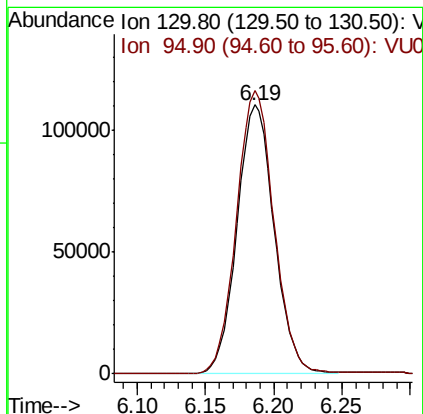
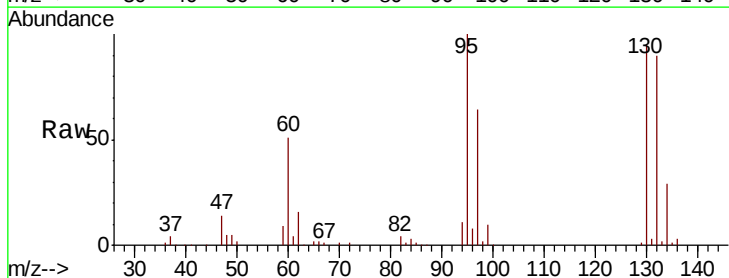
RT: 6.19 min Scan# 1559

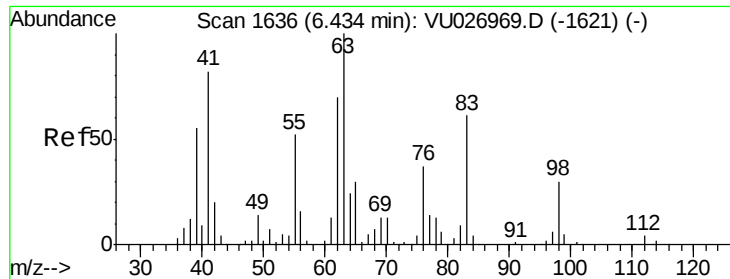
Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 209111 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 105.3 | 0.0   | 208.8  |





#45

1,2-Dichloropropane

Concen: 174.739 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 273674

Ion Ratio Lower Upper

63 100

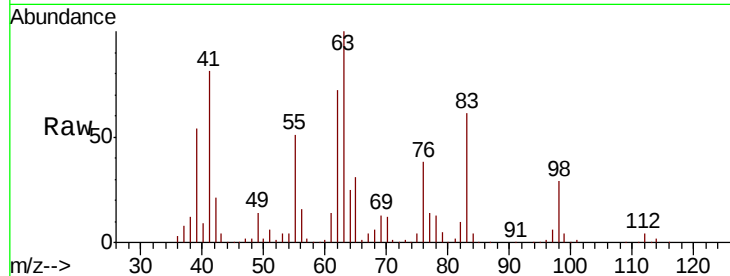
65 31.4 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

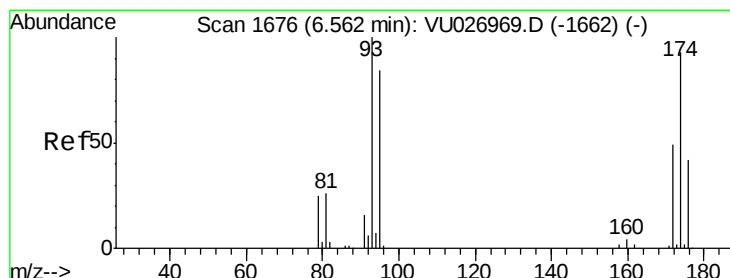
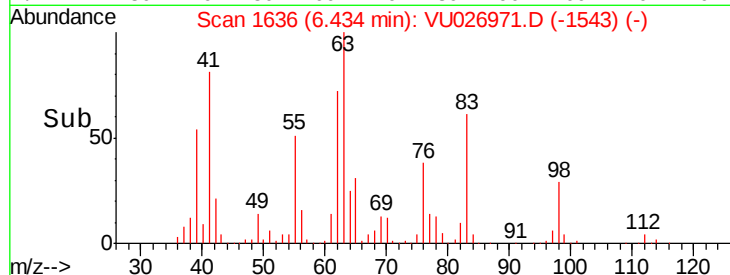
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 162.276 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

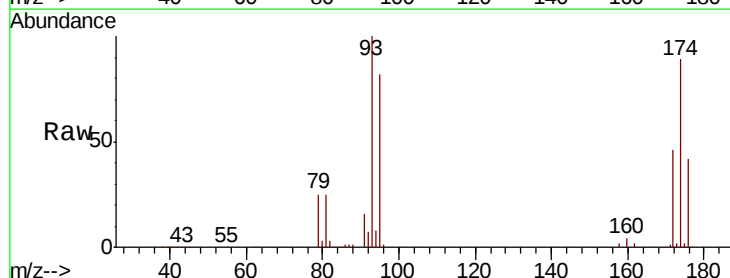
Tgt Ion: 93 Resp: 161291

Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

174 89.2 71.7 107.5



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

100000

80000

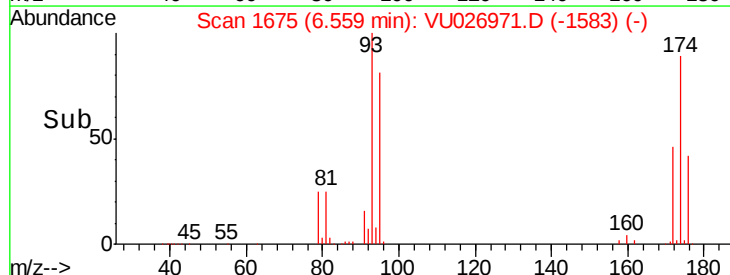
60000

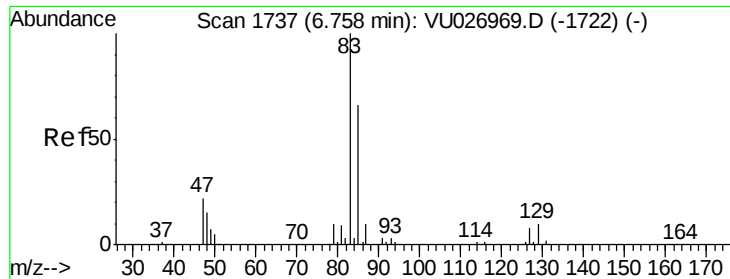
40000

20000

0

Time-->





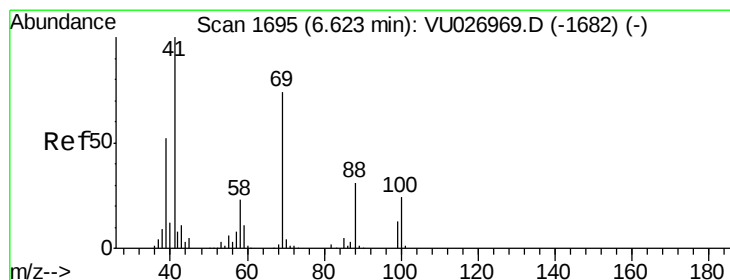
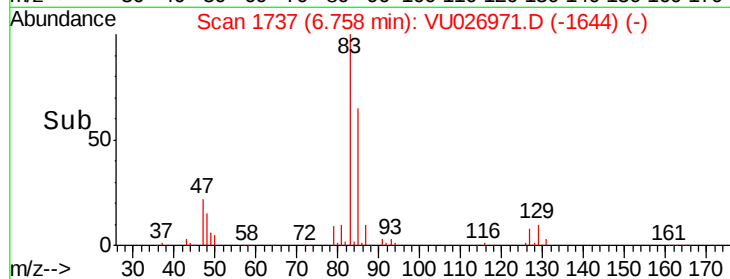
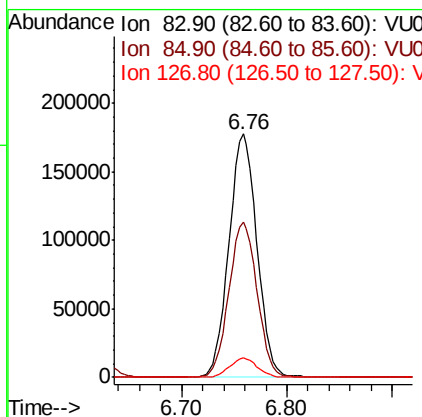
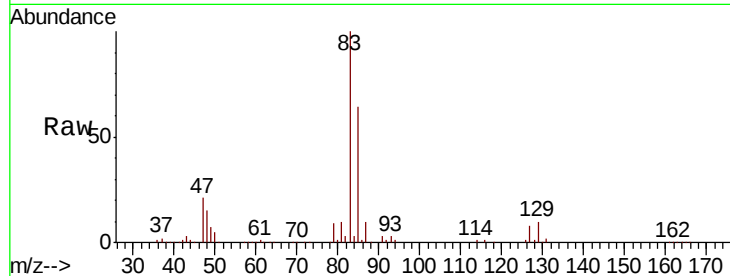
#47  
Bromodichloromethane  
Concen: 165.852 ug/l  
RT: 6.76 min Scan# 1737  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.8  | 52.5  | 78.7  |
| 127     | 7.9   | 6.3   | 9.5   |

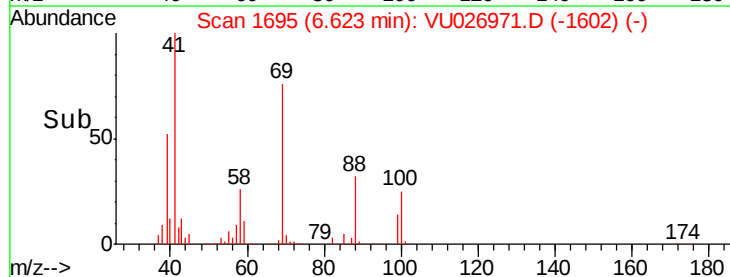
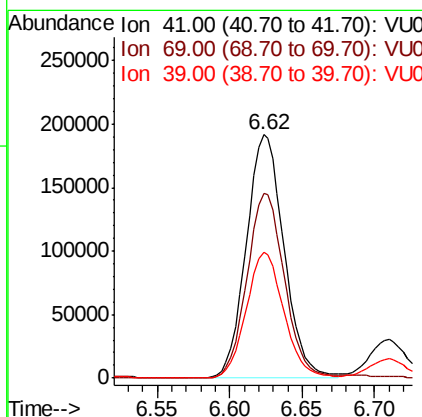
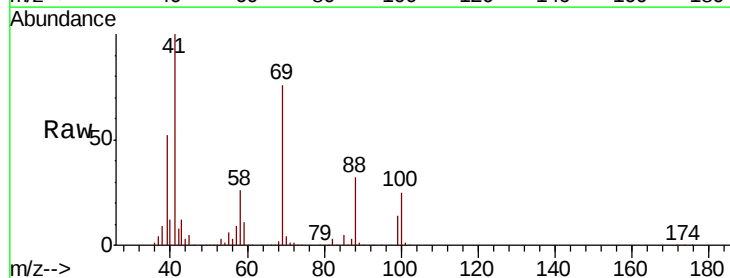
Manual Integrations  
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#48  
Methyl methacrylate  
Concen: 203.003 ug/l  
RT: 6.62 min Scan# 1695  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 77.1  | 60.6  | 90.8  |
| 39      | 51.5  | 42.8  | 64.2  |





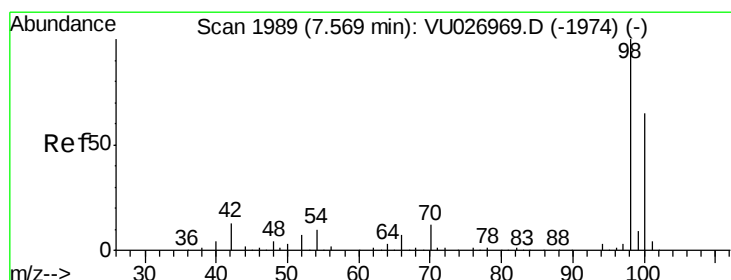
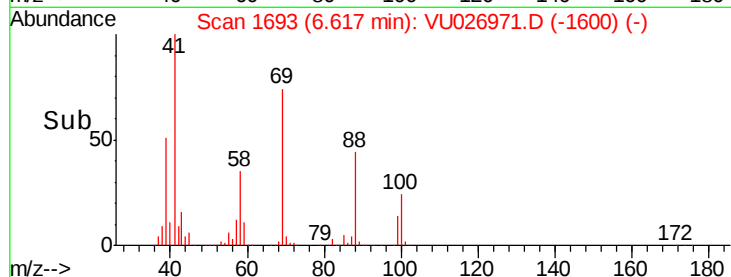
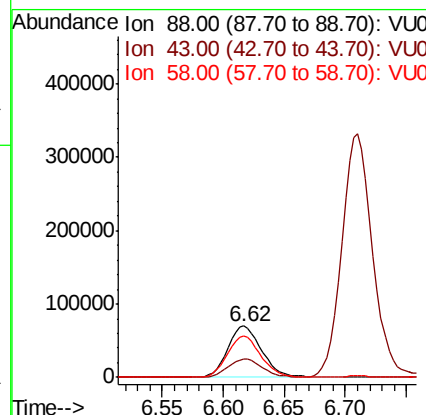
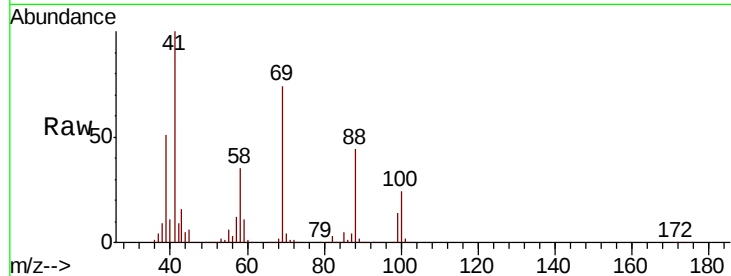
#49  
1,4-Dioxane  
Concen: 3526.051 ug/l  
RT: 6.62 min Scan# 1693  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 88      | 100   |      |       |       |
| 43      | 37.1  | 29.8 | 44.8  |       |
| 58      | 80.7  | 63.9 | 95.9  |       |

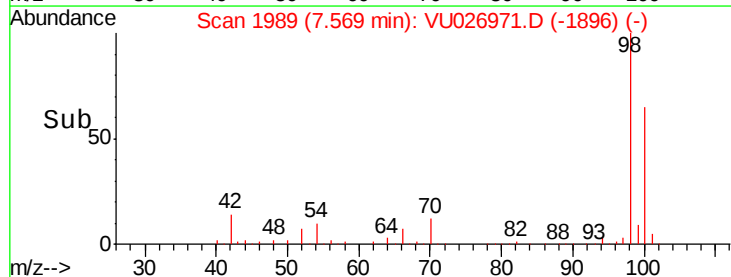
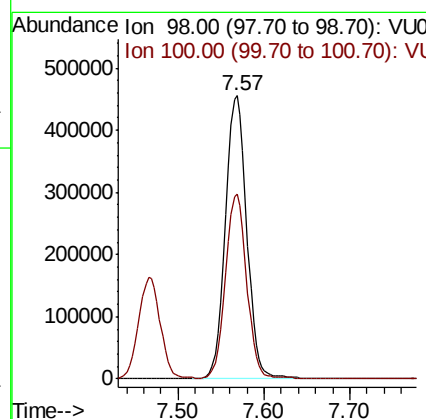
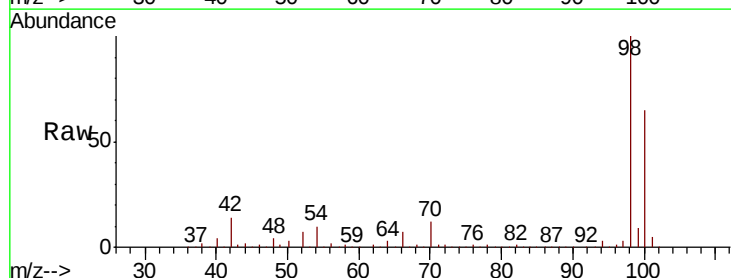
Manual Integrations  
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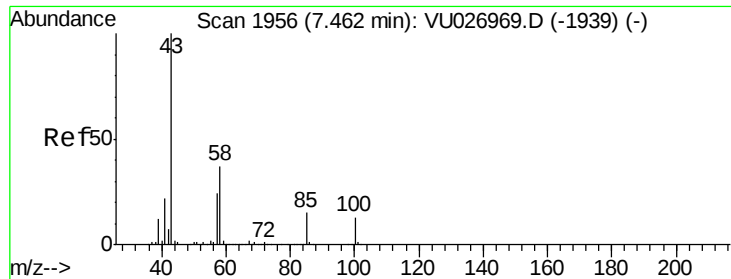
MMDadoda  
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#50  
Toluene-d8  
Concen: 159.865 ug/l  
RT: 7.57 min Scan# 1989  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 98      | 100   |      |       |       |
| 100     | 64.8  | 52.1 | 78.1  |       |





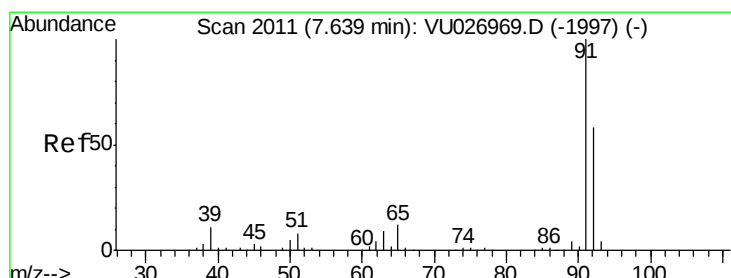
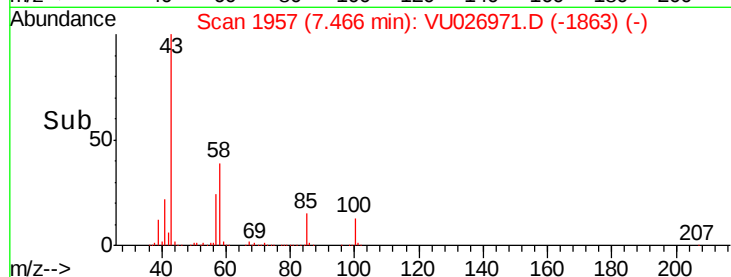
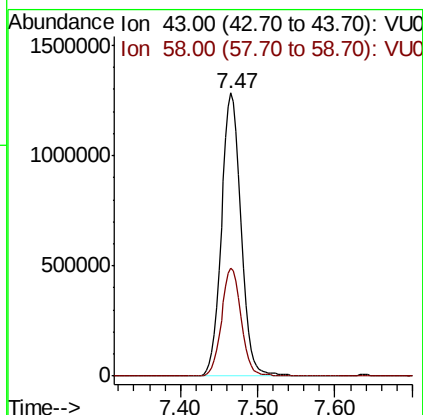
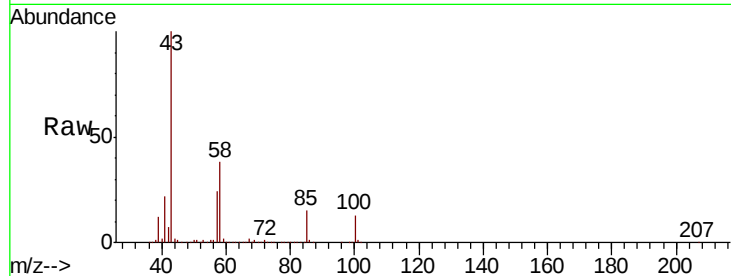
#51  
4-Methyl-2-Pentanone  
Concen: 978.886 ug/l  
RT: 7.47 min Scan# 1957  
Delta R.T. 0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

Tot Ion: 43 Resp: 2273772  
Ion Ratio Lower Upper  
43 100  
58 38.1 29.8 44.6

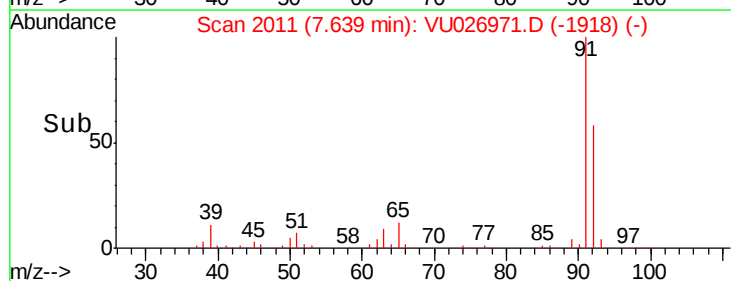
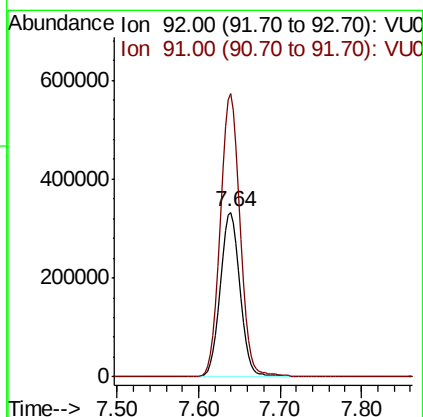
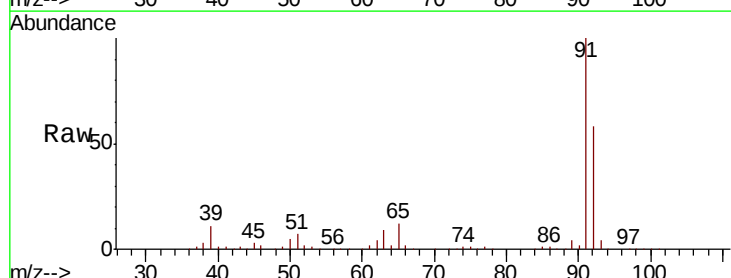
Manual Integrations  
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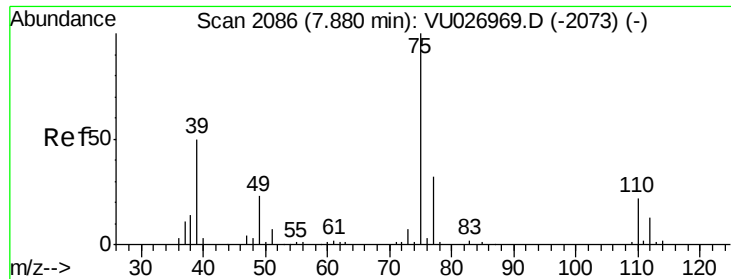
MMDadoda  
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#52  
Toluene  
Concen: 168.479 ug/l  
RT: 7.64 min Scan# 2011  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Tgt Ion: 92 Resp: 574644  
Ion Ratio Lower Upper  
92 100  
91 171.8 136.4 204.6





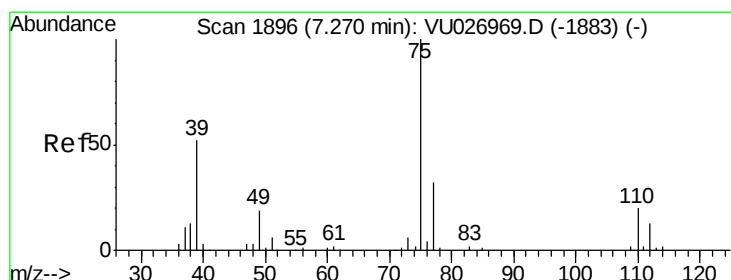
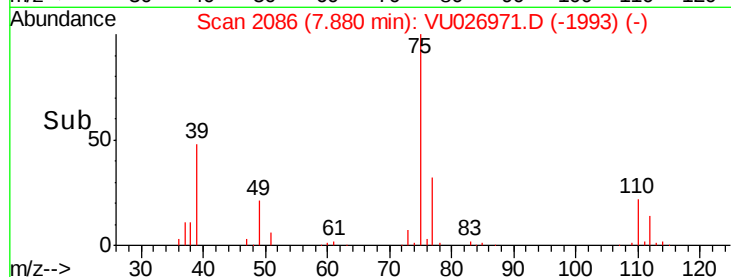
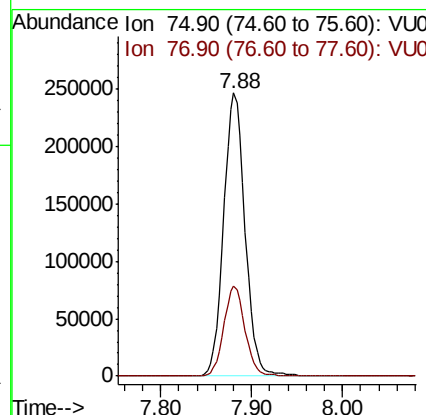
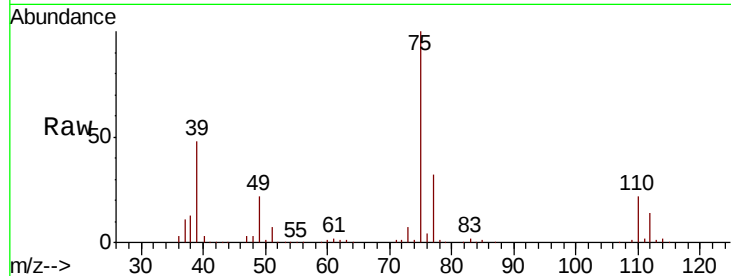
#53  
t-1,3-Dichloropropene  
Concen: 183.864 ug/l  
RT: 7.88 min Scan# 2086  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 403585 |       |       |
| 77      | 31.8  | 25.3   | 37.9  |       |

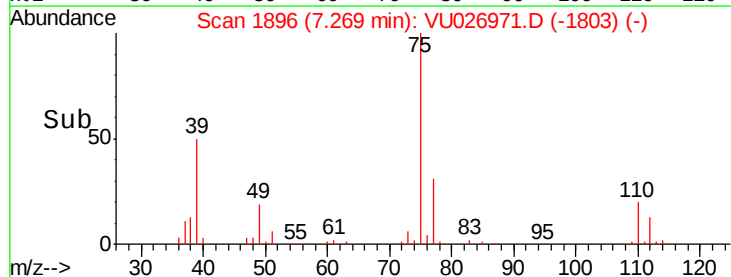
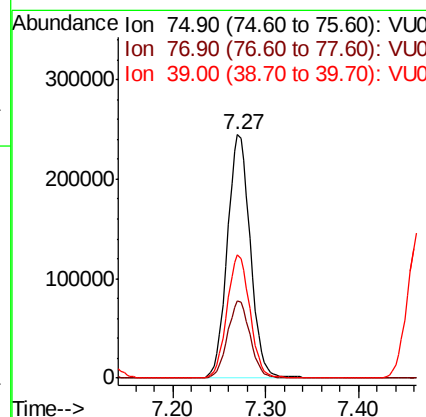
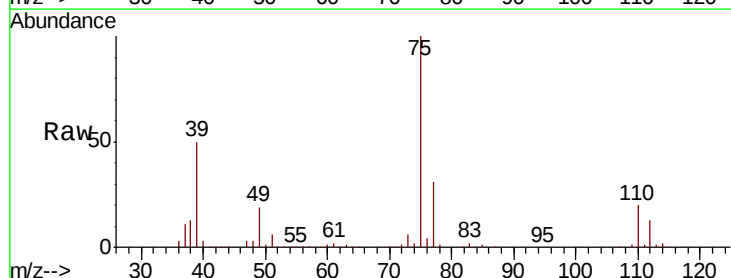
Manual Integrations  
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#54  
cis-1,3-Dichloropropene  
Concen: 177.864 ug/l  
RT: 7.27 min Scan# 1896  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 420915 |       |       |
| 77      | 31.5  | 25.4   | 38.0  |       |
| 39      | 50.3  | 41.6   | 62.4  |       |





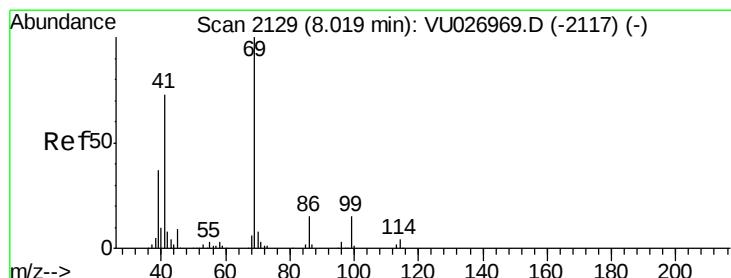
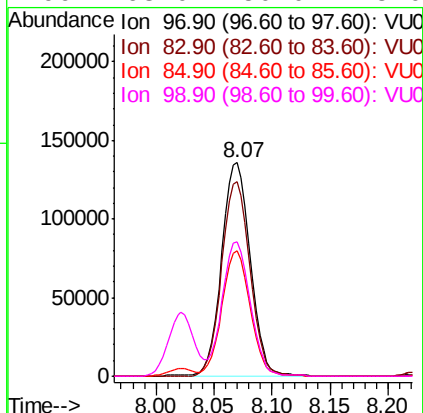
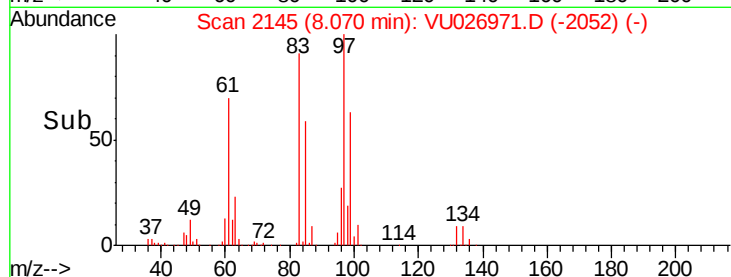
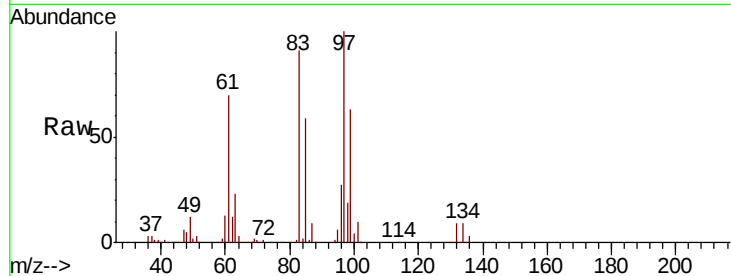
#55  
 1,1,2-Trichloroethane  
 Concen: 159.588 ug/l  
 RT: 8.07 min Scan# 2145  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 231526 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 91.0  | 73.1  | 109.7  |
| 85       | 58.5  | 46.7  | 70.1   |
| 99       | 63.0  | 50.0  | 75.0   |

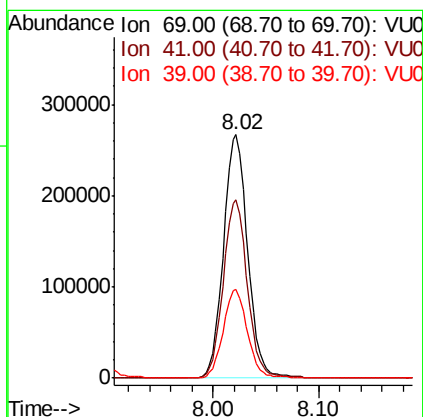
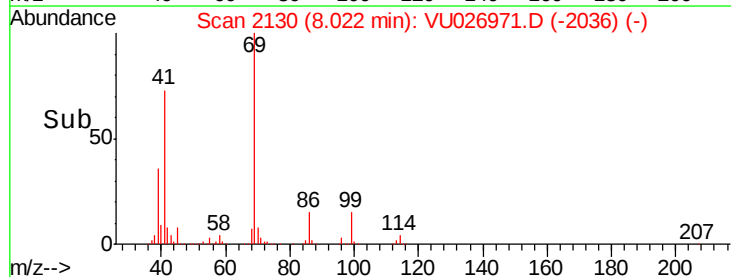
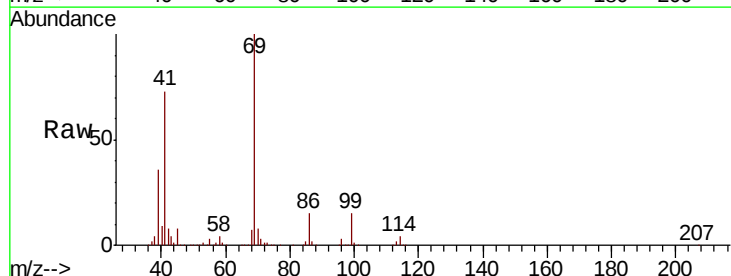
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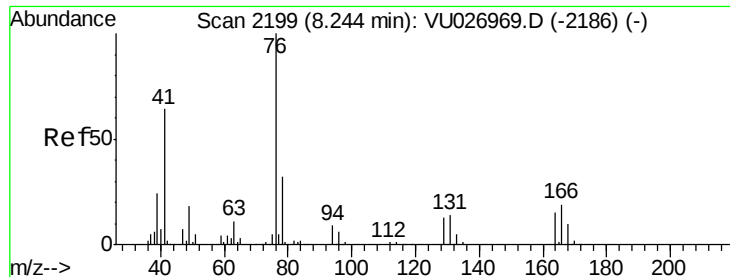
MMDadoda  
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#56  
 Ethyl methacrylate  
 Concen: 198.196 ug/l  
 RT: 8.02 min Scan# 2130  
 Delta R.T. 0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 423681 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 72.9  | 59.0  | 88.4   |
| 39       | 36.4  | 30.2  | 45.4   |





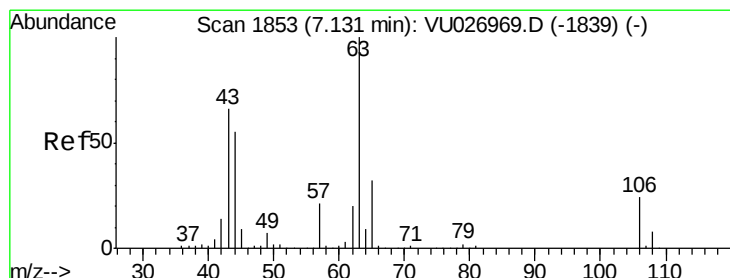
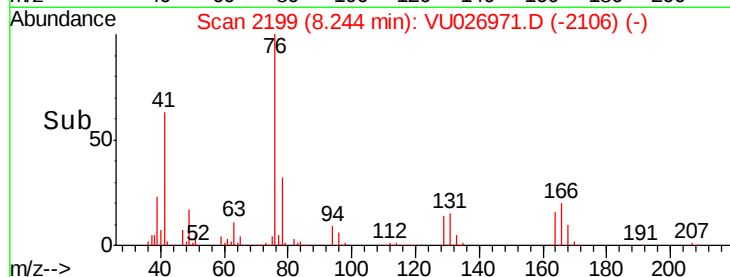
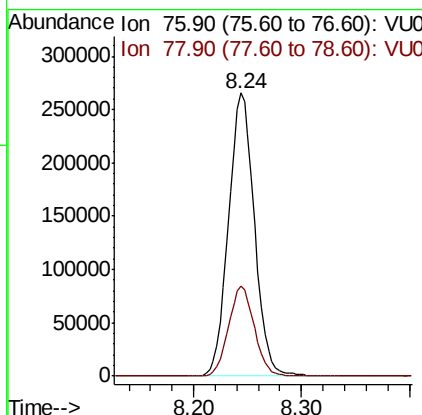
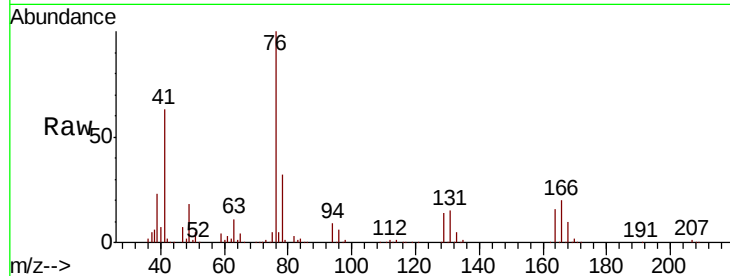
#57  
 1,3-Dichloropropane  
 Concen: 176.621 ug/l  
 RT: 8.24 min Scan# 2199  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC150

Tot Ion: 76 Resp: 444593  
 Ion Ratio Lower Upper  
 76 100  
 78 31.7 25.5 38.3

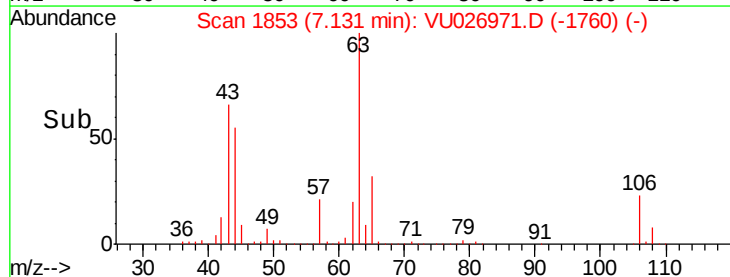
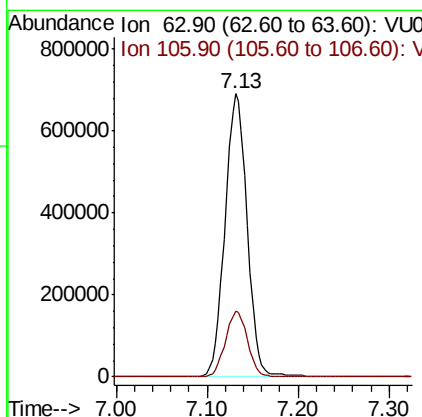
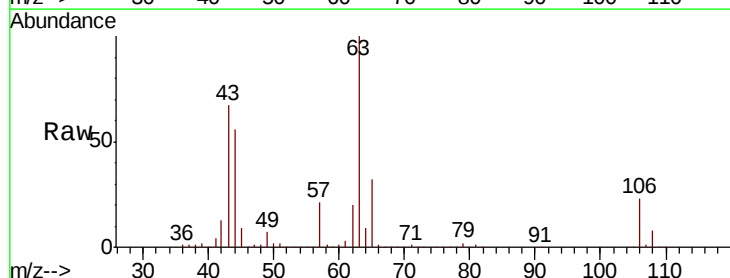
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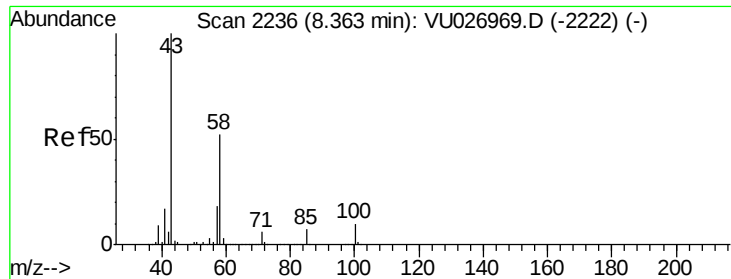
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 1067.033 ug/l  
 RT: 7.13 min Scan# 1853  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Tgt Ion: 63 Resp: 1169103  
 Ion Ratio Lower Upper  
 63 100  
 106 23.3 18.7 28.1





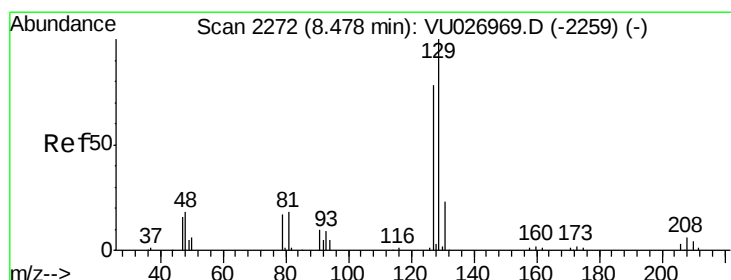
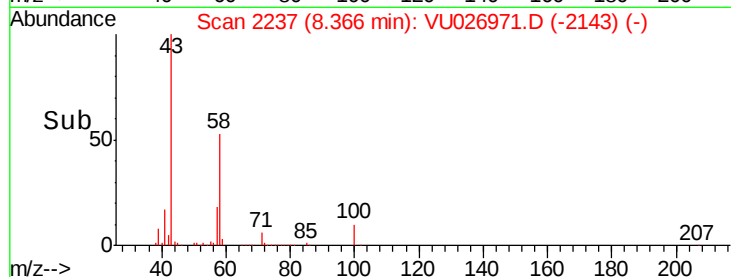
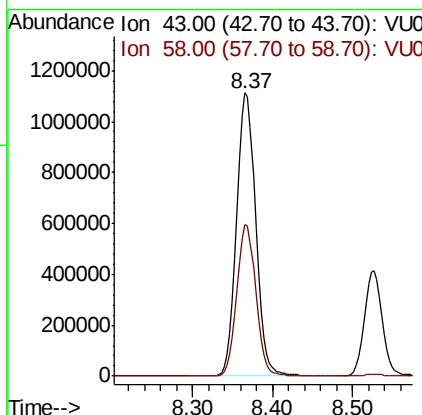
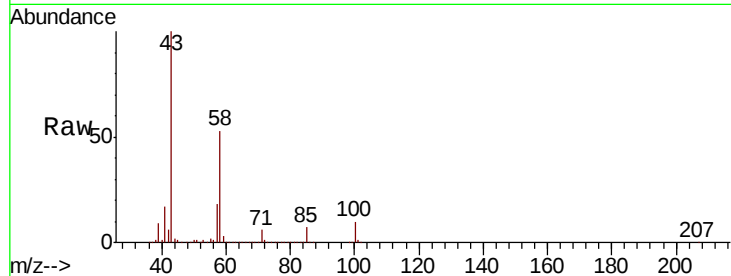
#59  
2-Hexanone  
Concen: 983.145 ug/l  
RT: 8.37 min Scan# 2237  
Delta R.T. 0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

Tot Ion: 43 Resp: 1787289  
Ion Ratio Lower Upper  
43 100  
58 53.2 26.1 78.2

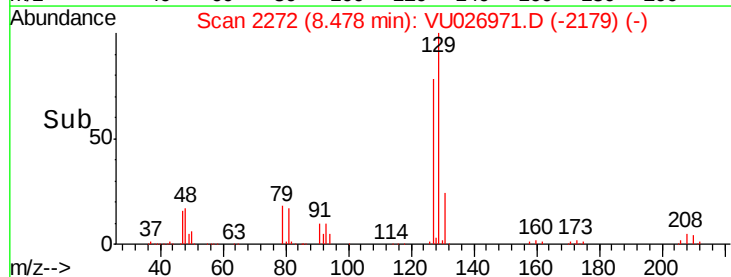
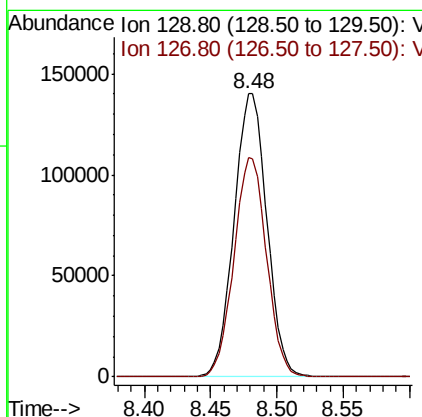
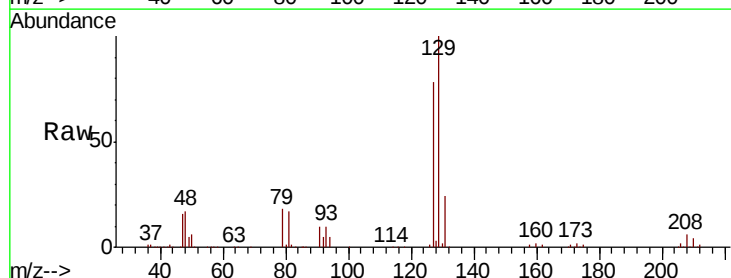
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#60  
Dibromochloromethane  
Concen: 156.698 ug/l  
RT: 8.48 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Tgt Ion: 129 Resp: 241080  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 157.836 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 247431

Ion Ratio Lower Upper

107 100

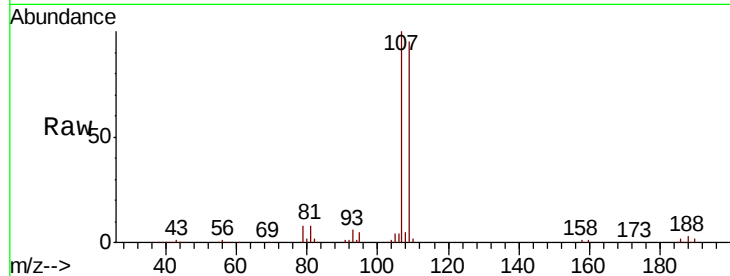
109 93.6 75.0 112.6

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

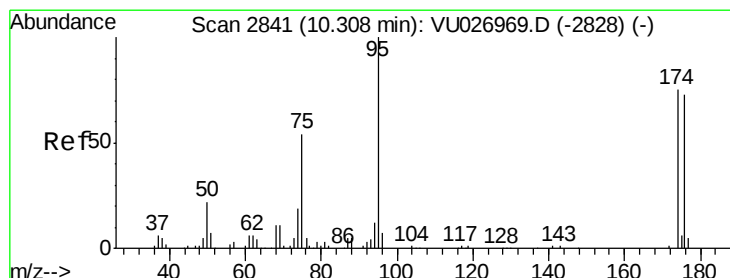
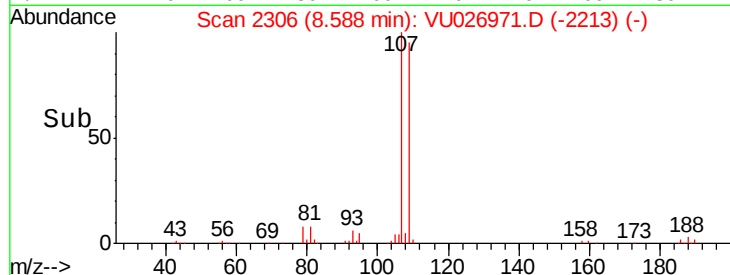
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 171.457 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

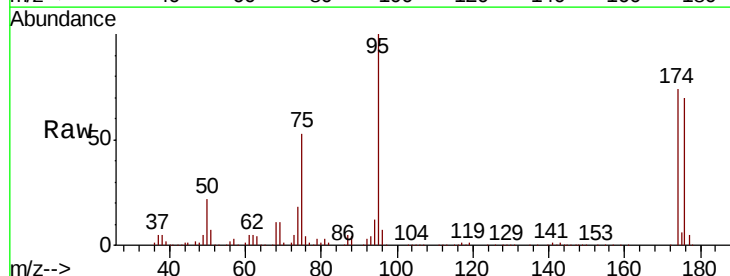
Tgt Ion: 95 Resp: 304366

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.2

176 71.6 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

10.31

250000

200000

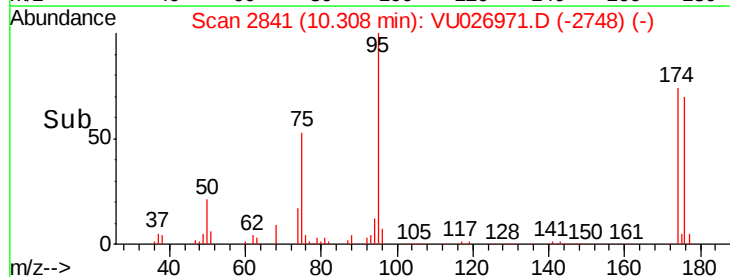
150000

100000

50000

0

Time-->





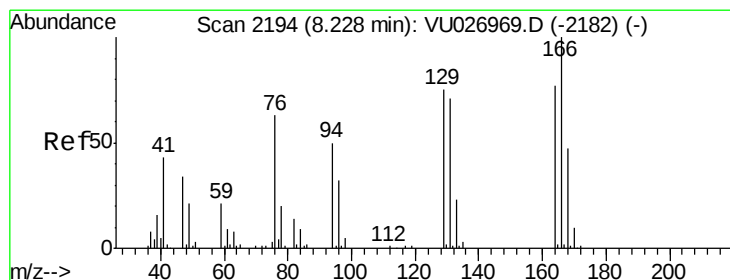
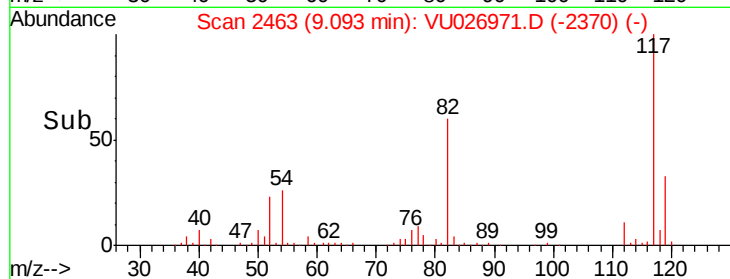
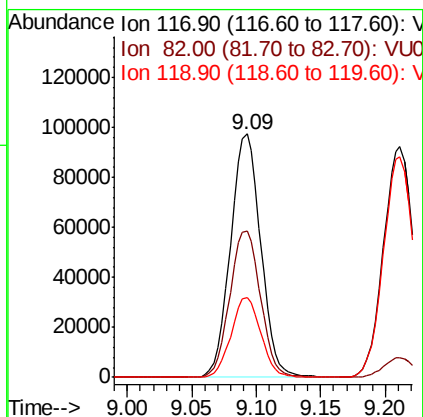
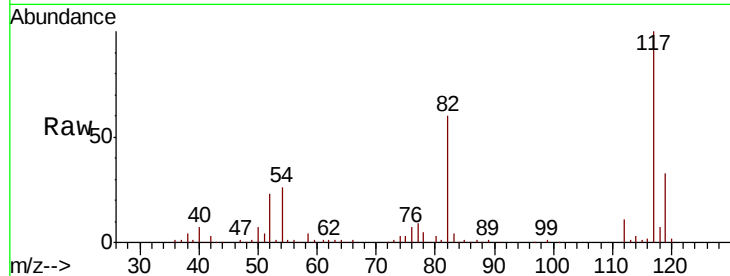
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2463  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.0  | 48.0  | 72.0  |
| 119     | 32.7  | 25.8  | 38.8  |

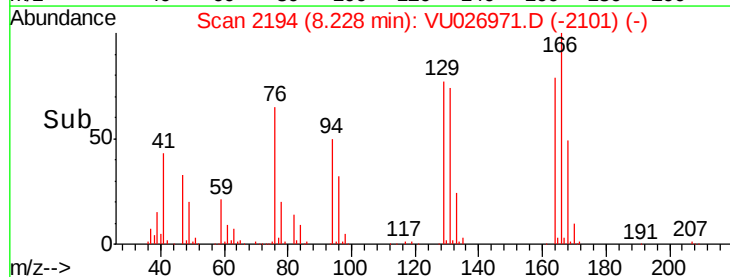
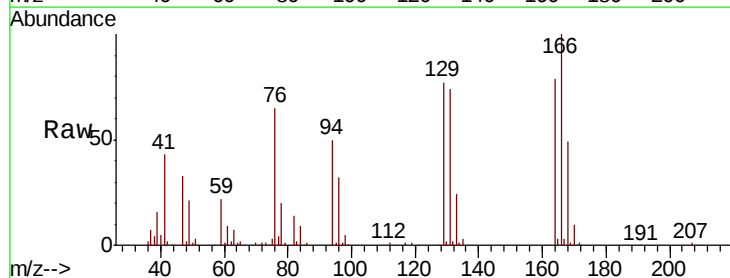
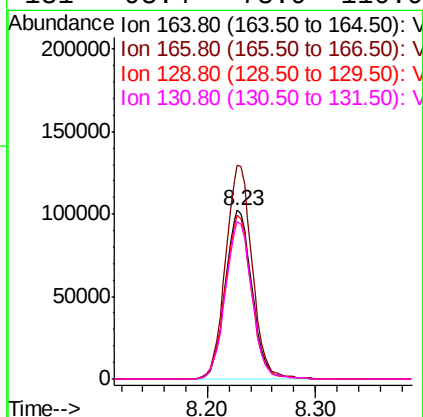
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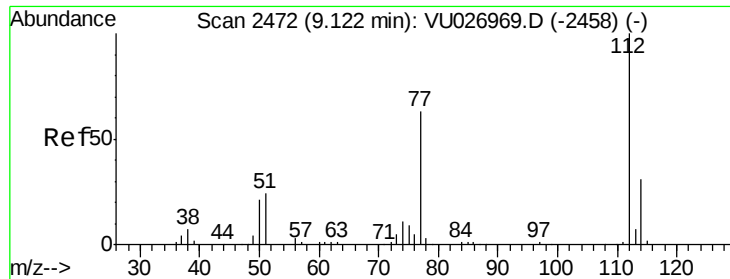
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#64  
Tetrachloroethene  
Concen: 140.646 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.5 | 104.4 | 156.6 |
| 129     | 97.1  | 78.7  | 118.1 |
| 131     | 93.4  | 73.9  | 110.9 |





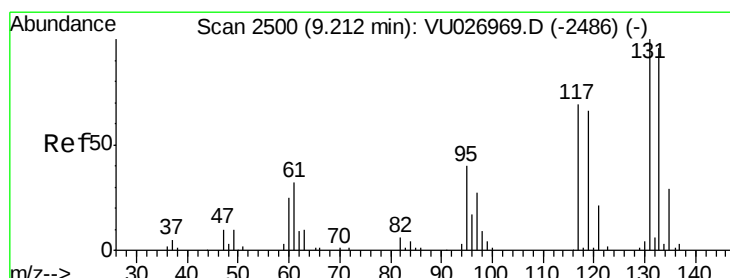
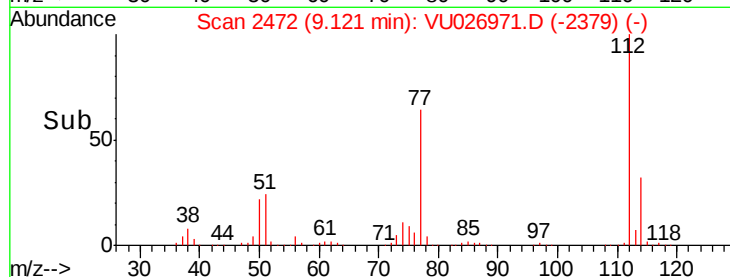
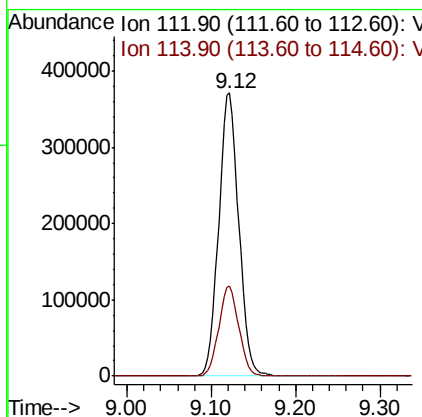
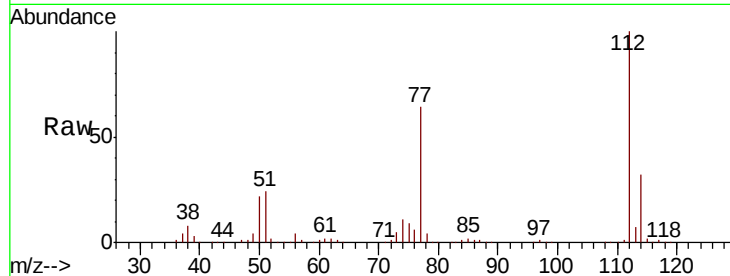
#65  
Chlorobenzene  
Concen: 154.999 ug/l  
RT: 9.12 min Scan# 2472  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

Tot Ion:112 Resp: 612746  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.0 37.6

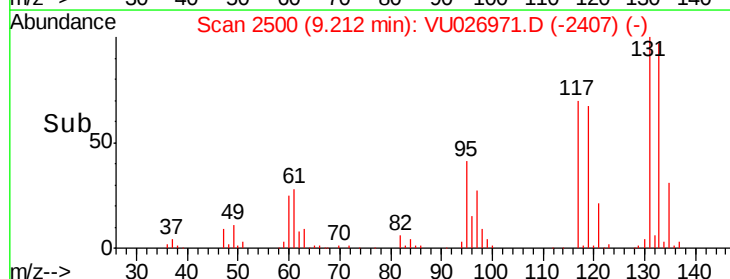
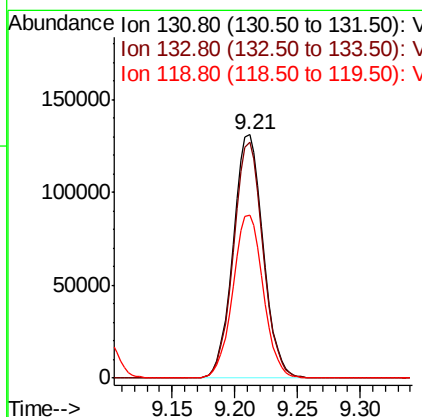
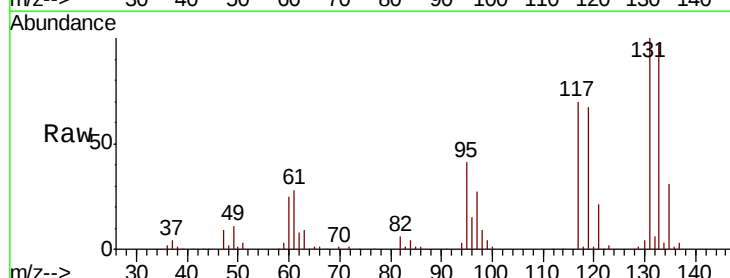
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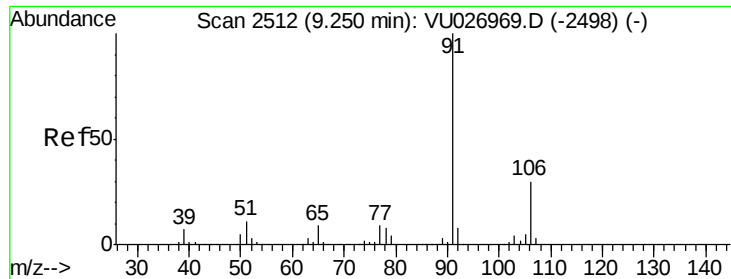
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 150.820 ug/l  
RT: 9.21 min Scan# 2500  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Tgt Ion:131 Resp: 218444  
Ion Ratio Lower Upper  
131 100  
133 95.4 48.0 144.2  
119 67.6 33.4 100.1





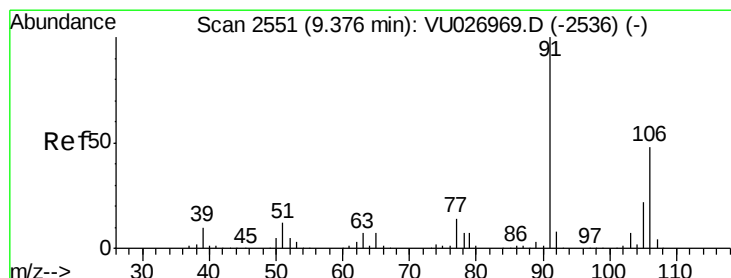
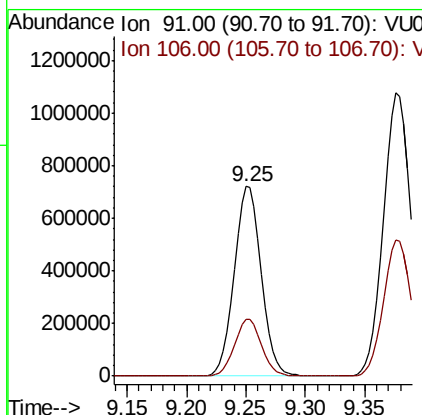
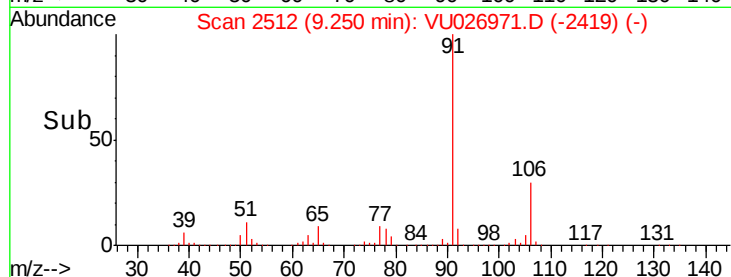
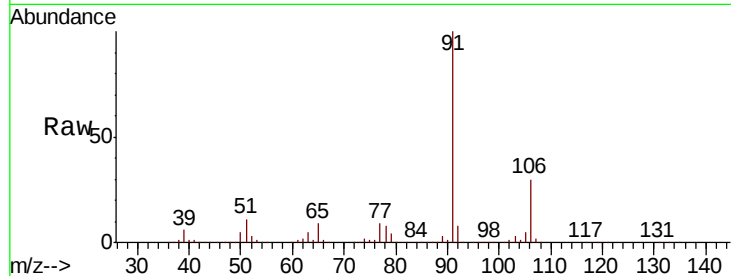
#67  
Ethyl Benzene  
Concen: 172.175 ug/l  
RT: 9.25 min Scan# 2512  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 1132389  
Ion Ratio Lower Upper  
91 100  
106 30.1 23.8 35.8

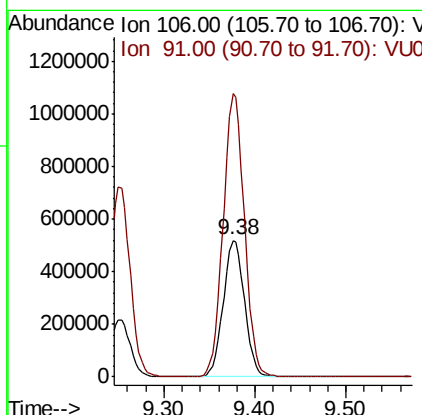
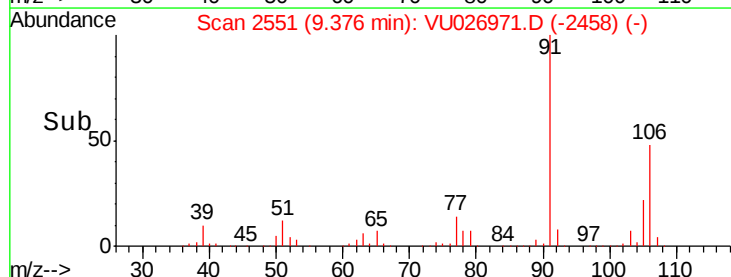
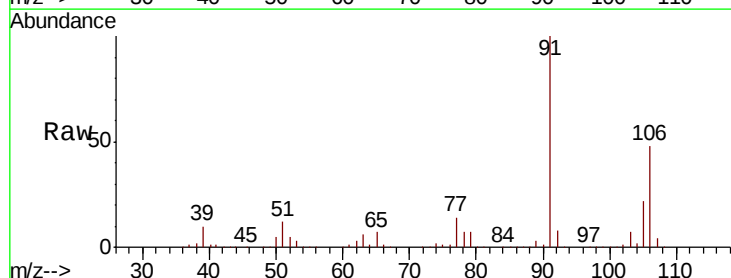
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#68  
m/p-Xylenes  
Concen: 339.323 ug/l  
RT: 9.38 min Scan# 2551  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Tgt Ion: 106 Resp: 843897  
Ion Ratio Lower Upper  
106 100  
91 207.2 166.5 249.7





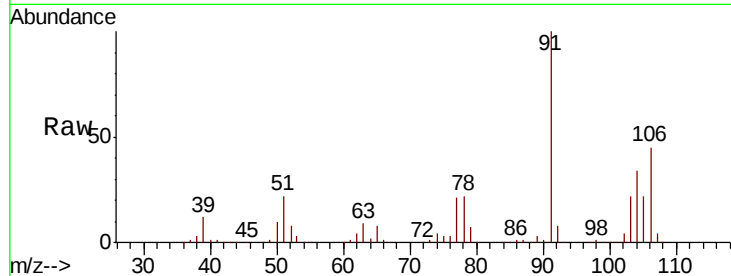
#69  
o-Xylene  
Concen: 169.952 ug/l  
RT: 9.78 min Scan# 2677  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

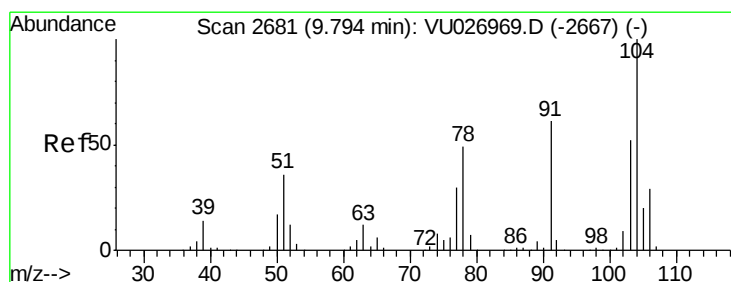
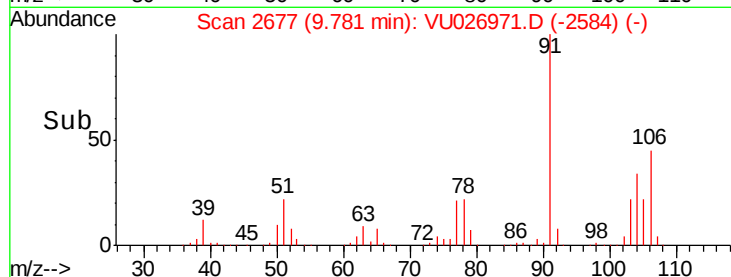
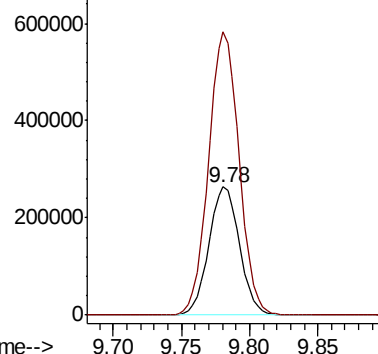
Tot Ion:106 Resp: 409953  
Ion Ratio Lower Upper  
106 100  
91 220.6 110.2 330.6

Manual Integrations  
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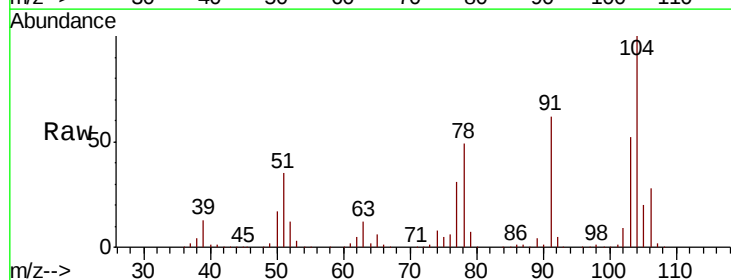


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

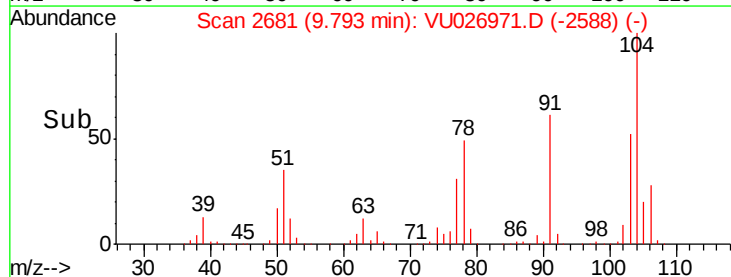
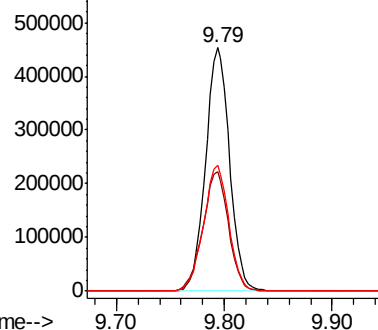


#70  
Styrene  
Concen: 178.279 ug/l  
RT: 9.79 min Scan# 2681  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Tgt Ion:104 Resp: 704872  
Ion Ratio Lower Upper  
104 100  
78 52.6 43.0 64.4  
103 54.7 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VU0  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 152.814 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

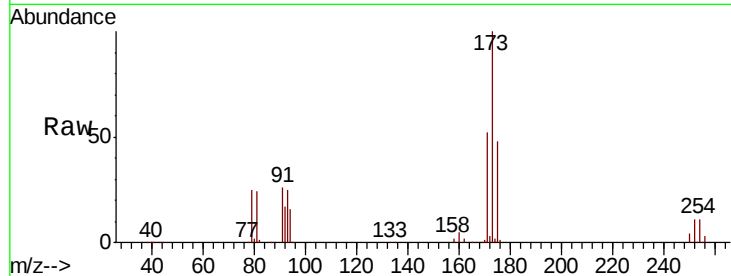
ClientSampleId :

VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.0  | 23.9  | 71.8  |
| 254     | 0.1   | 0.0   | 0.0   |

Manual Integrations  
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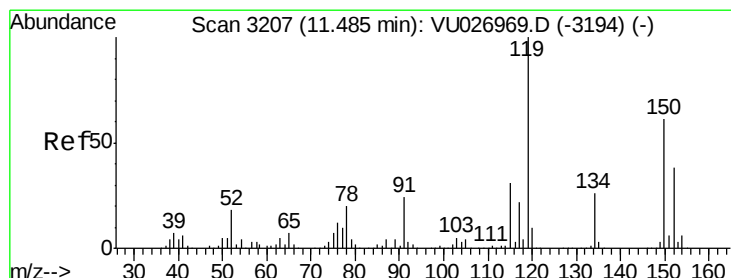
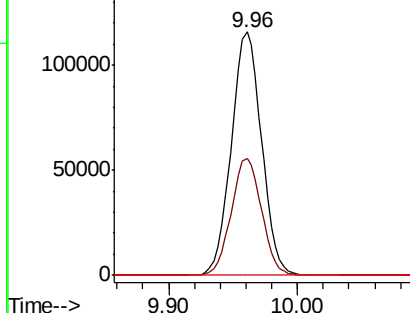
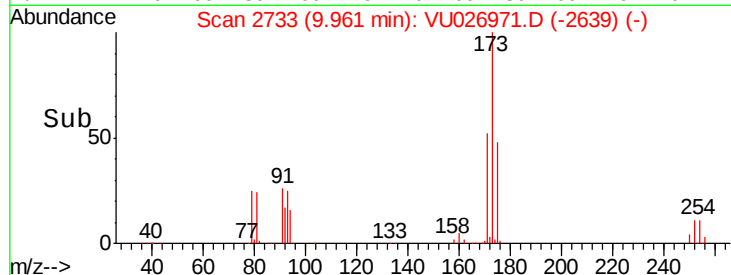


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

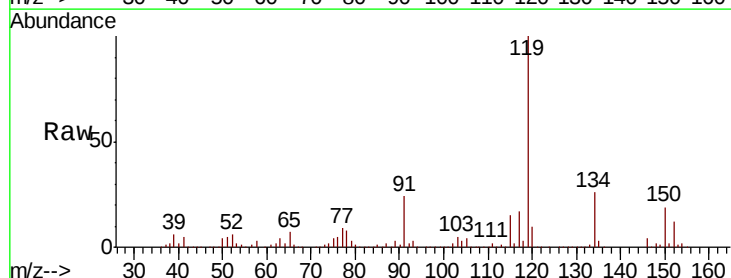
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 140.9 | 44.9  | 134.5 |
| 150     | 212.8 | 0.0   | 355.8 |

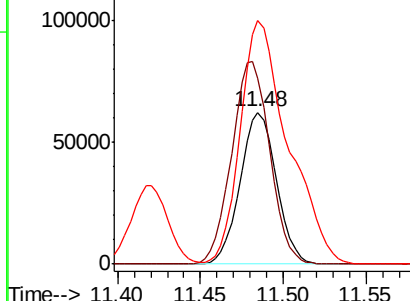
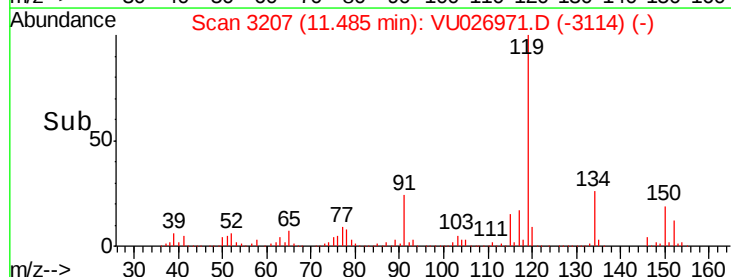


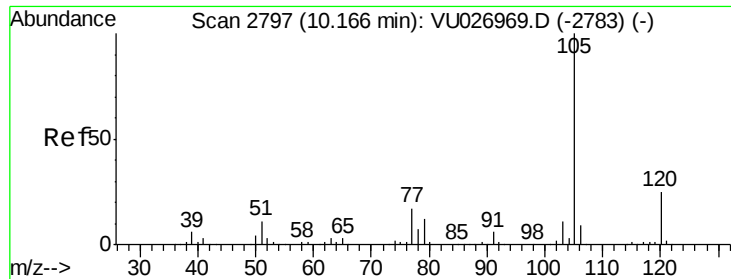
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 168.721 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1112696

Ion Ratio Lower Upper

105 100

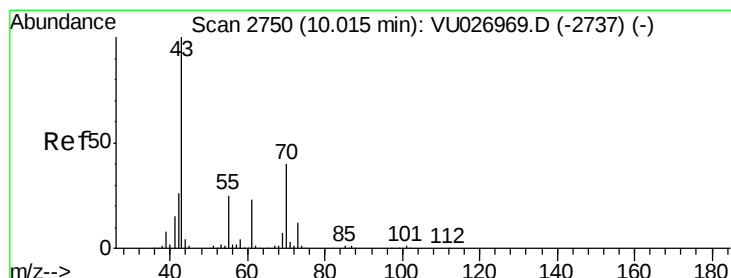
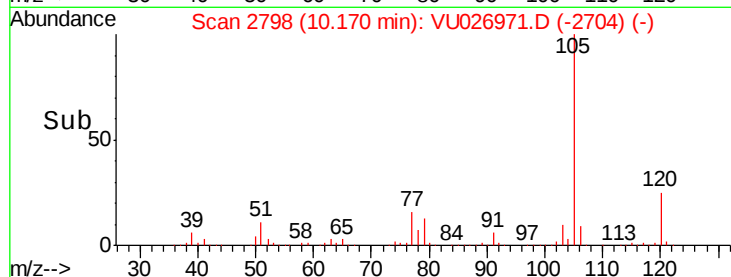
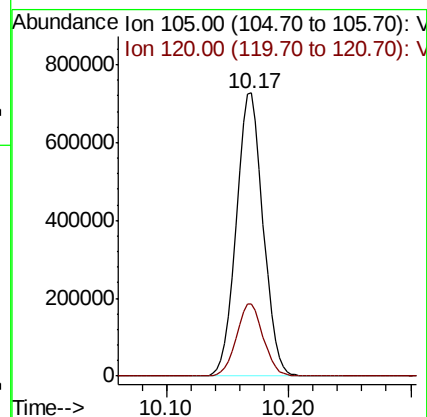
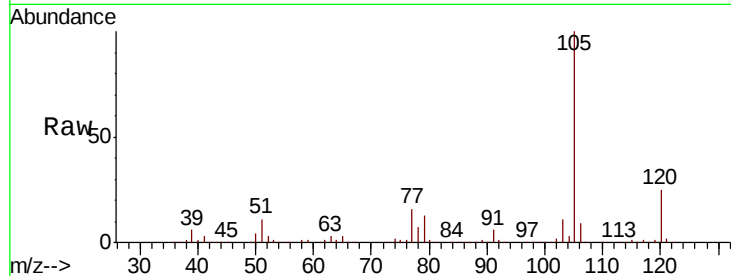
120 25.5 12.8 38.4

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#74

N-ethyl acetate

Concen: 206.672 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Tgt Ion: 43 Resp: 664680

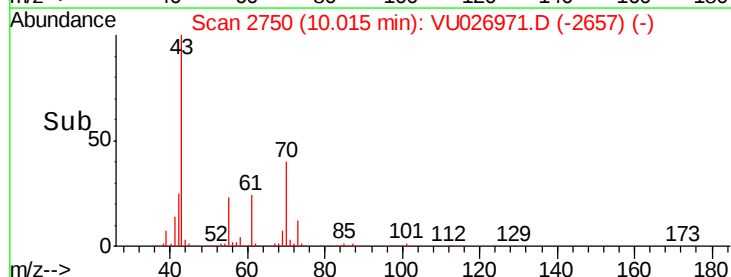
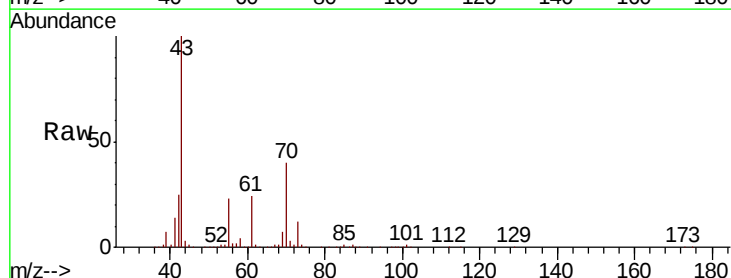
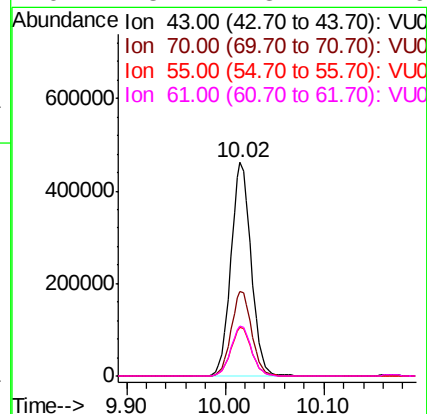
Ion Ratio Lower Upper

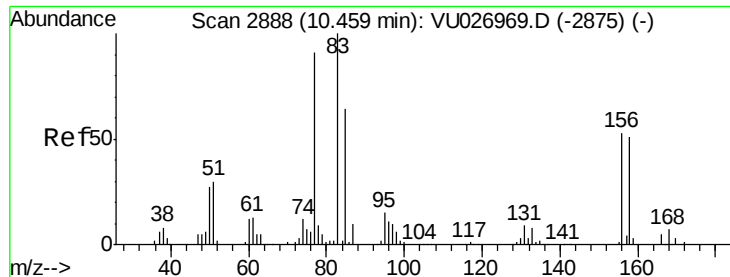
43 100

70 40.1 31.8 47.8

55 23.4 19.9 29.9

61 23.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 161.775 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

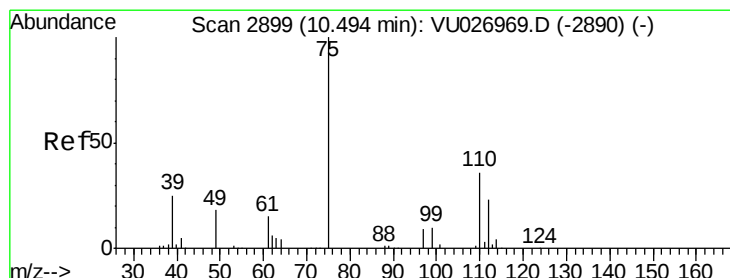
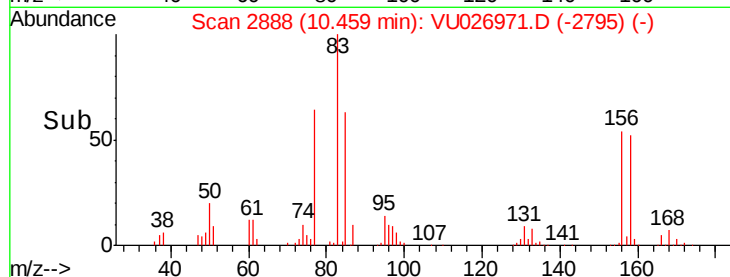
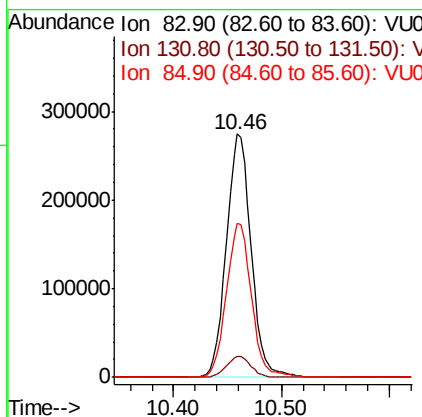
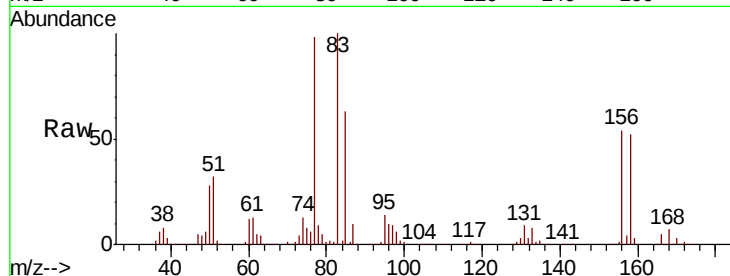
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 439761 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 8.5   | 4.3   | 12.8   |
| 85        | 63.9  | 31.9  | 95.7   |

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#76

1,2,3-Trichloropropane

Concen: 163.414 ug/l m

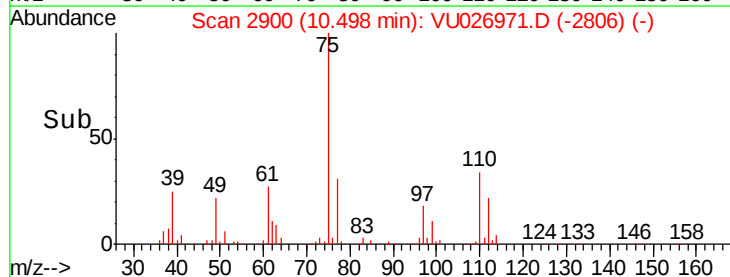
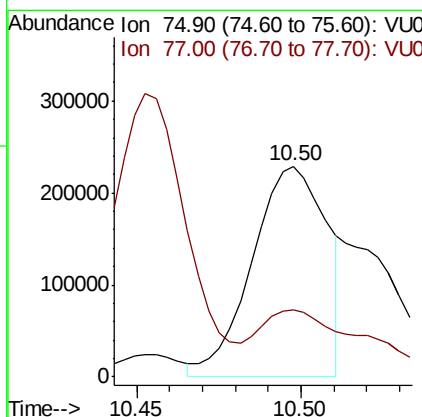
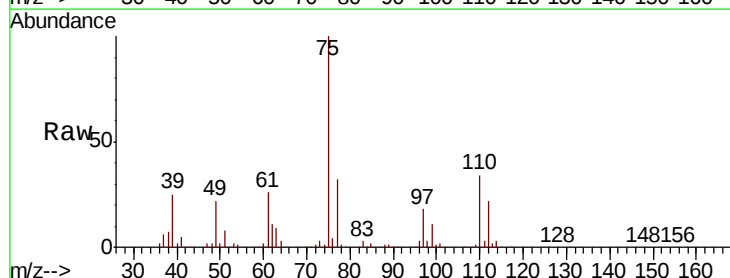
RT: 10.50 min Scan# 2900

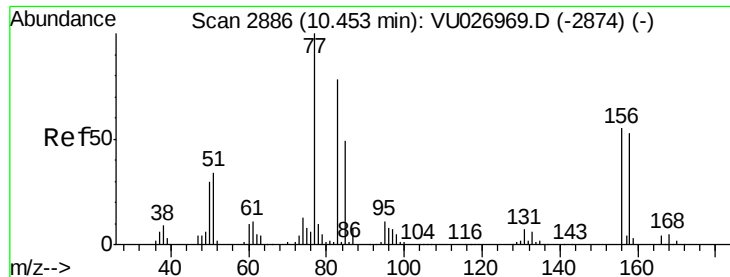
Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 361439 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 45.0  | 20.9  | 62.8   |





#77

Bromobenzene

Concen: 146.885 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

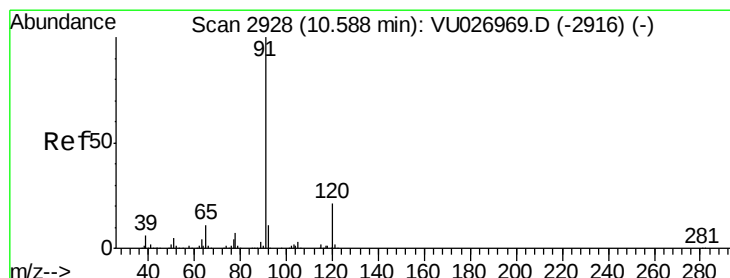
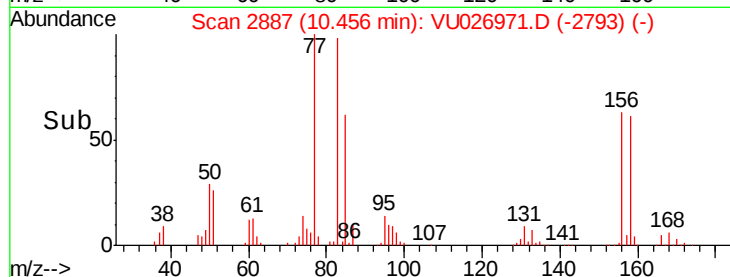
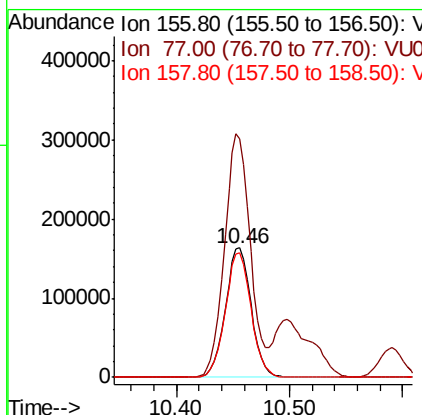
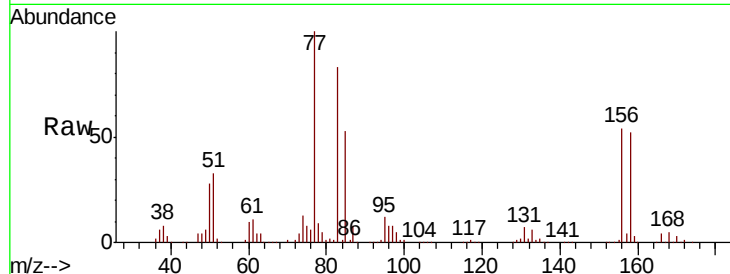
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 257982 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 190.4 | 92.3  | 276.9  |
| 158       | 96.5  | 48.1  | 144.3  |

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#78

n-propylbenzene

Concen: 178.053 ug/l

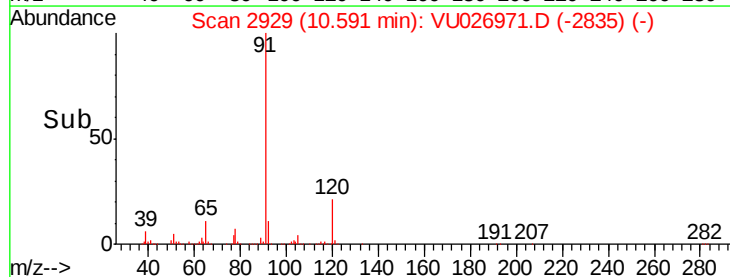
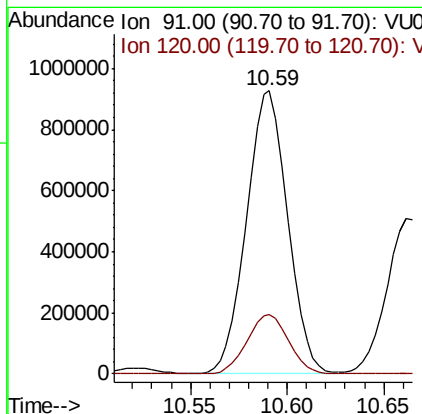
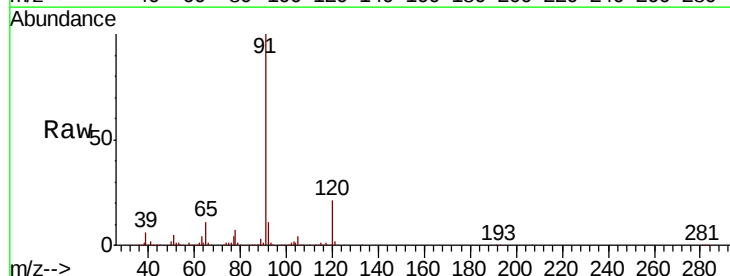
RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1373682 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 21.3  | 10.6  | 31.8    |





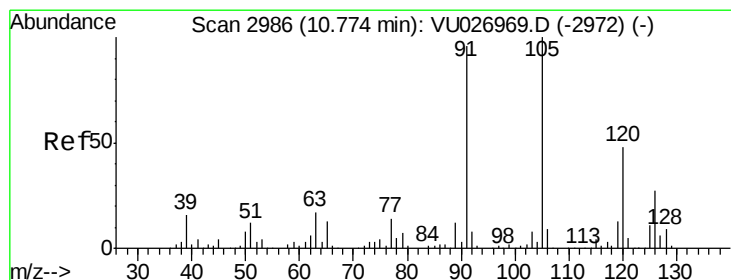
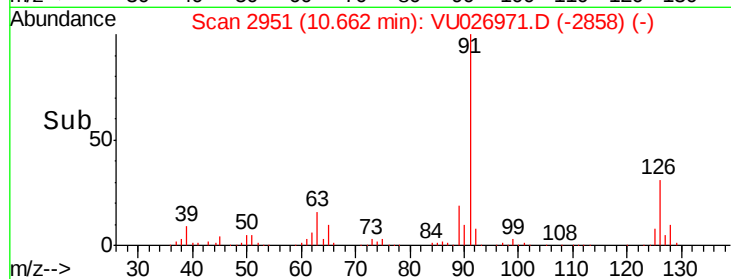
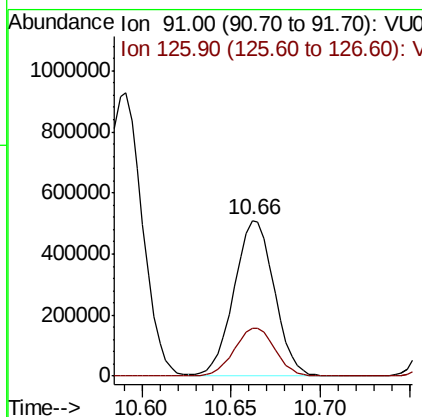
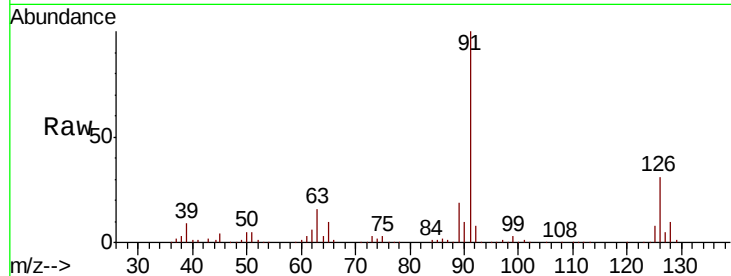
#79  
 2-Chlorotoluene  
 Concen: 166.411 ug/l  
 RT: 10.66 min Scan# 2951  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.5  | 15.8  | 47.3  |

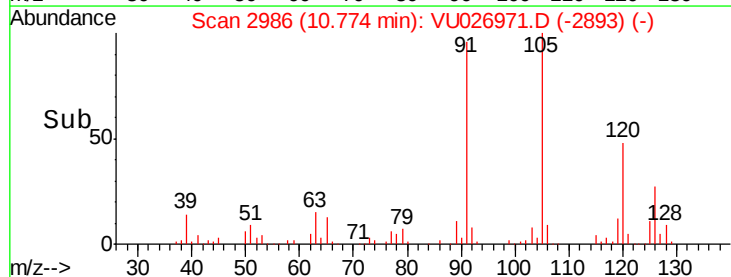
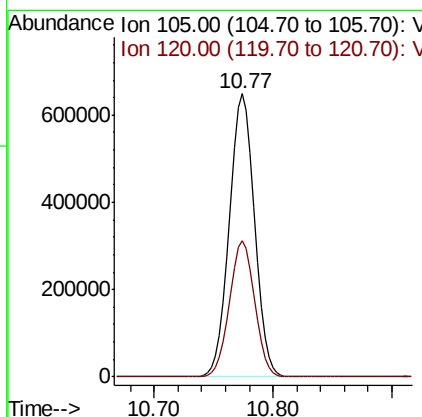
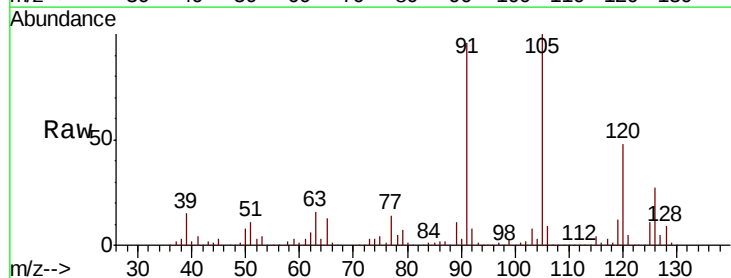
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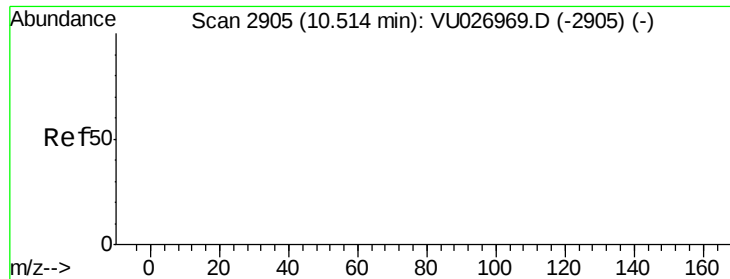
MMDadoda  
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 172.107 ug/l  
 RT: 10.77 min Scan# 2986  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 48.1  | 23.9  | 71.7  |





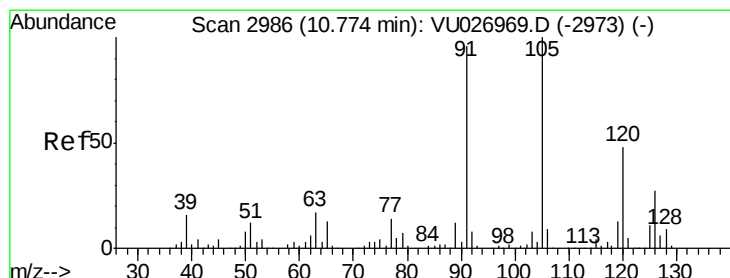
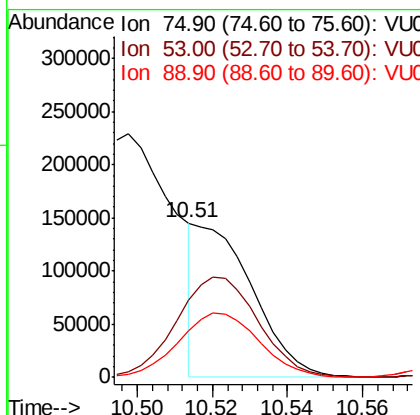
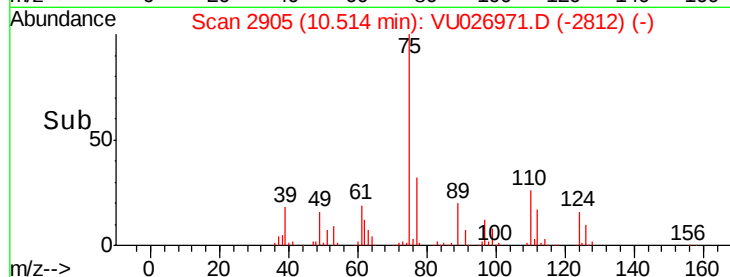
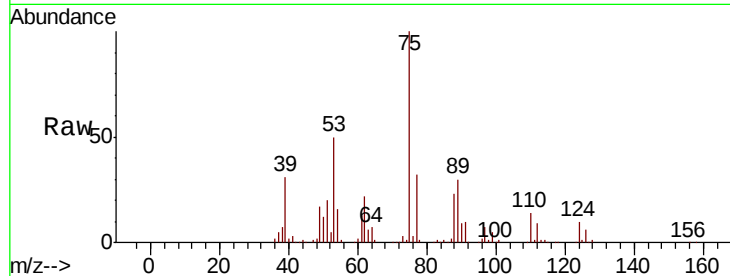
#81  
trans-1,4-Dichloro-2-butene  
Concen: 197.463 ug/l m  
RT: 10.51 min Scan# 2905  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

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

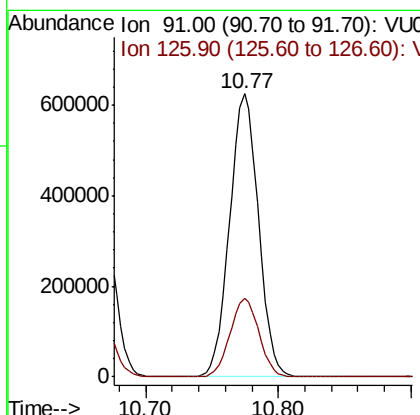
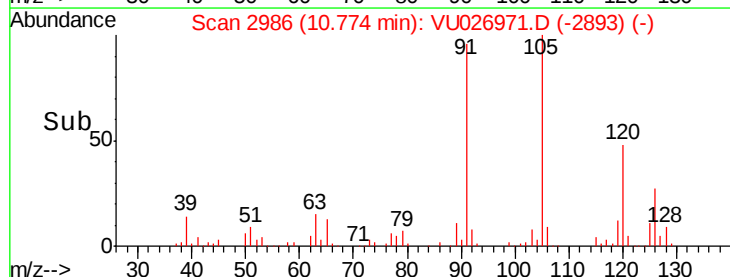
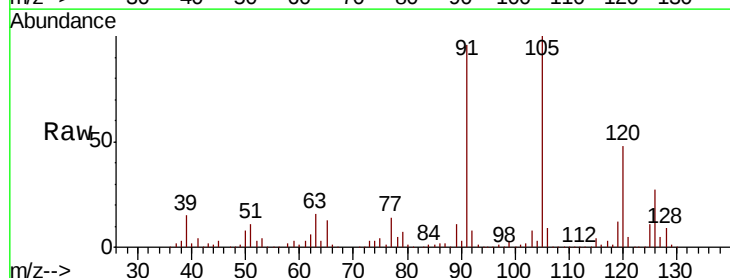
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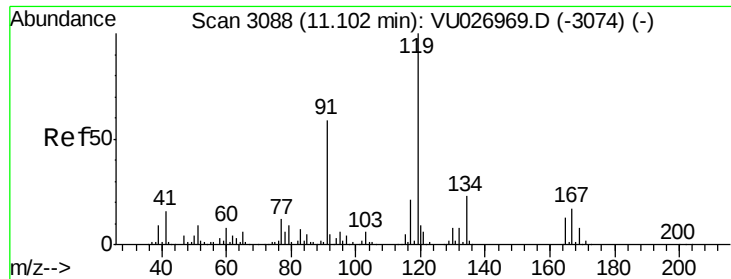
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 175.683 ug/l  
RT: 10.77 min Scan# 2986  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 27.9  | 14.1  | 42.2  |





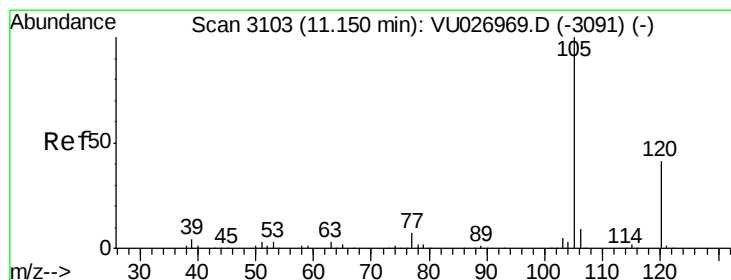
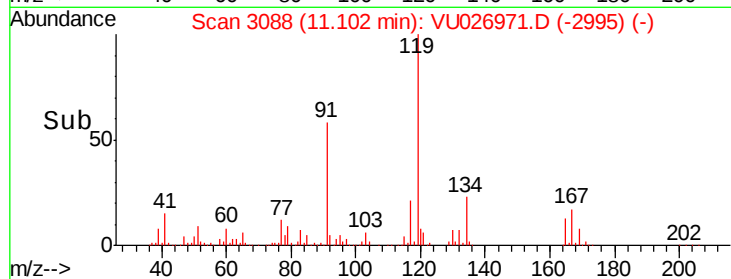
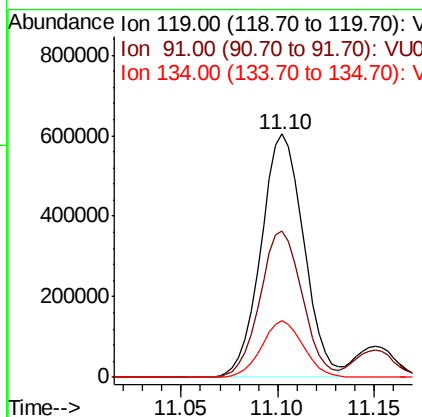
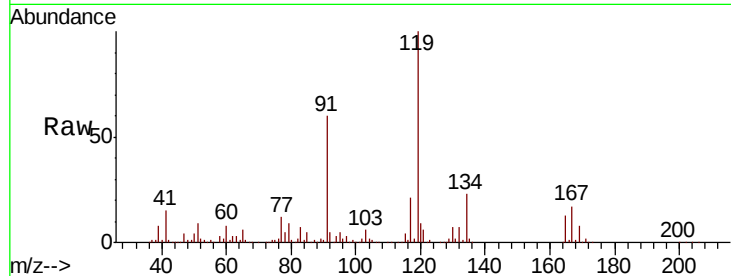
#83  
tert-Butylbenzene  
Concen: 166.214 ug/l  
RT: 11.10 min Scan# 3088  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 924753 |       |       |
| 91      | 59.7  | 29.8   | 89.4  |       |
| 134     | 22.8  | 11.5   | 34.4  |       |

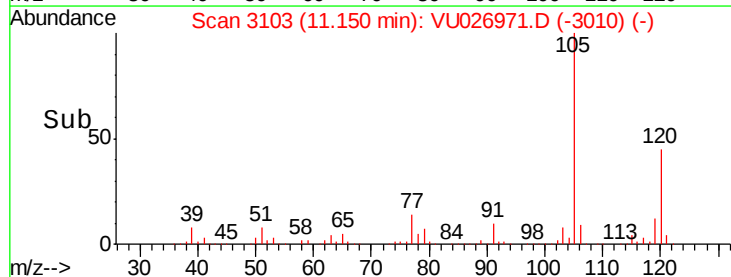
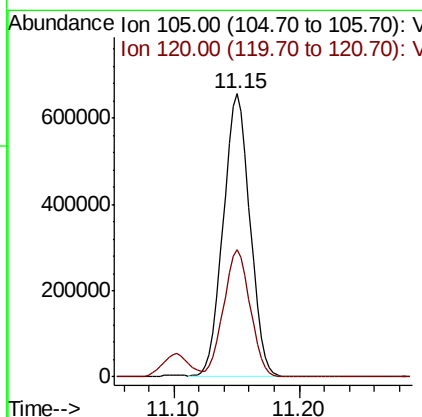
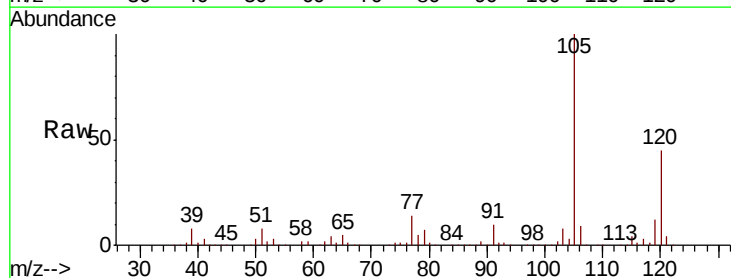
Manual Integrations  
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#84  
1,2,4-Trimethylbenzene  
Concen: 174.486 ug/l  
RT: 11.15 min Scan# 3103  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 975676 |       |       |
| 120     | 44.9  | 22.4   | 67.2  |       |





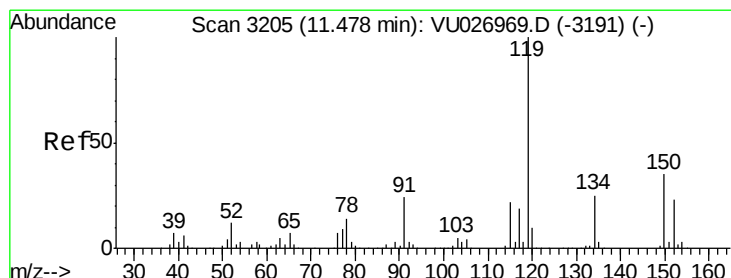
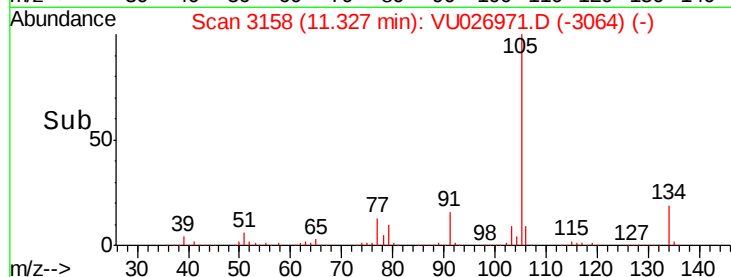
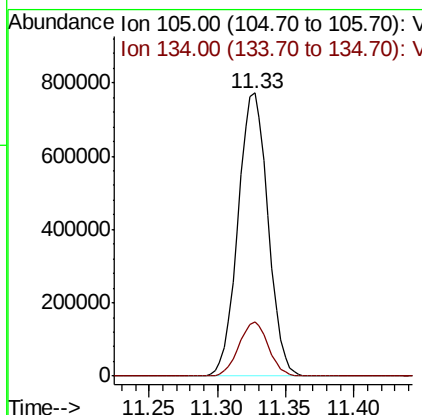
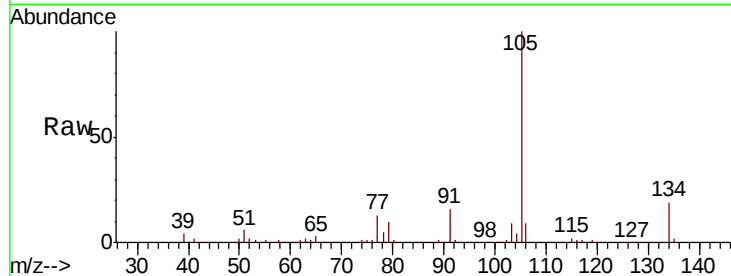
#85  
 sec-Butylbenzene  
 Concen: 177.024 ug/l  
 RT: 11.33 min Scan# 3158  
 Delta R.T. 0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC150

Tot Ion:105 Resp: 1178565  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 9.4 28.2

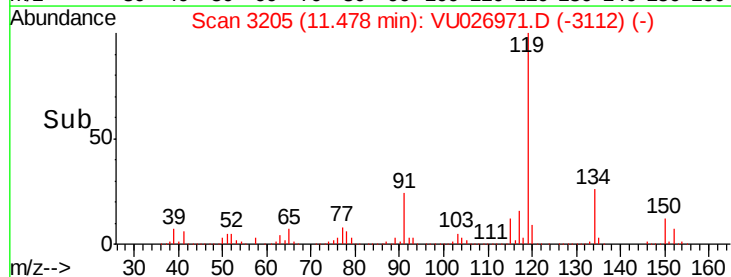
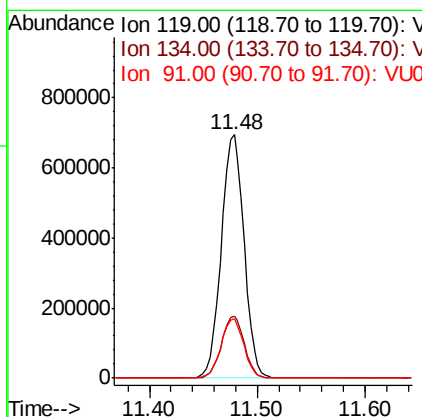
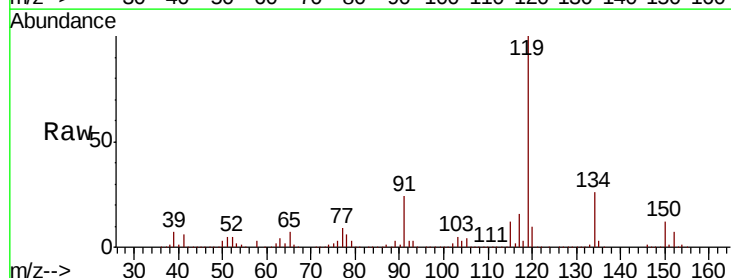
Manual Integrations  
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#86  
 p-Isopropyltoluene  
 Concen: 176.010 ug/l  
 RT: 11.48 min Scan# 3205  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Tgt Ion:119 Resp: 1015885  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 12.8 38.3  
 91 24.3 12.3 36.8





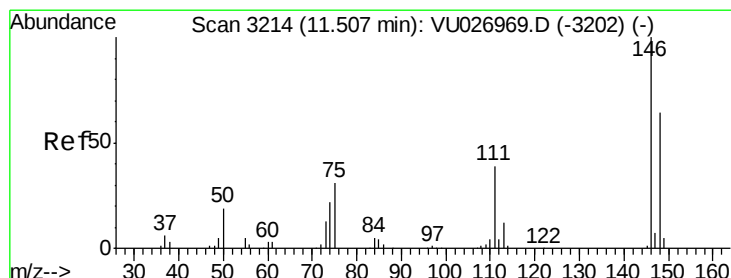
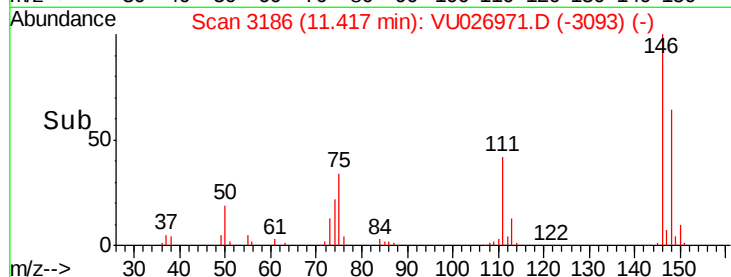
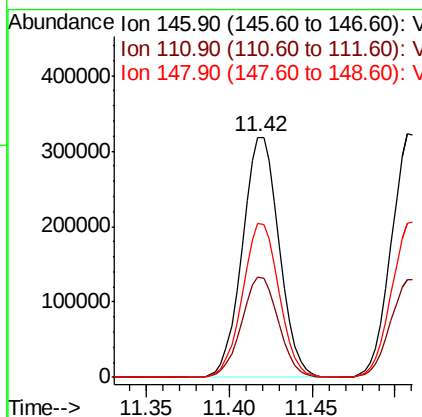
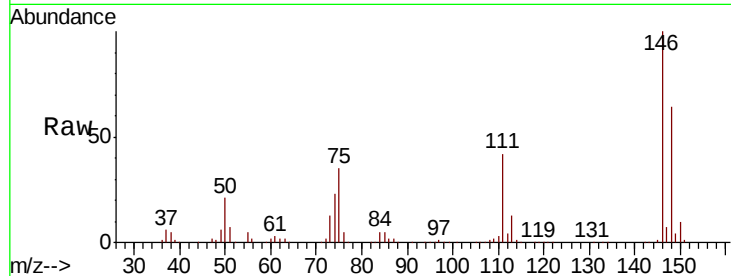
#87  
 1,3-Dichlorobenzene  
 Concen: 150.109 ug/l  
 RT: 11.42 min Scan# 3186  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.6  | 20.8  | 62.2  |
| 148     | 63.6  | 32.0  | 96.2  |

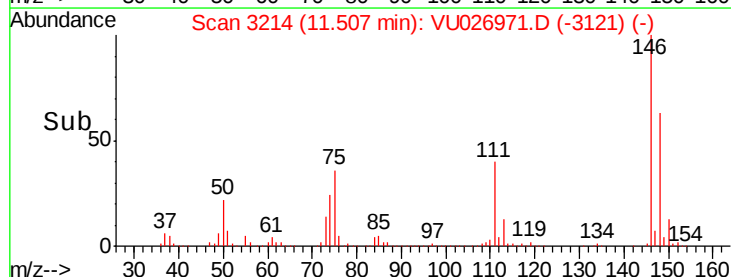
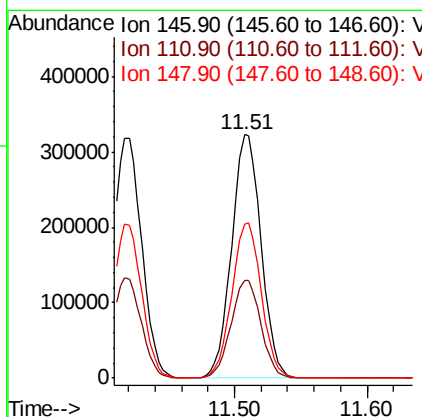
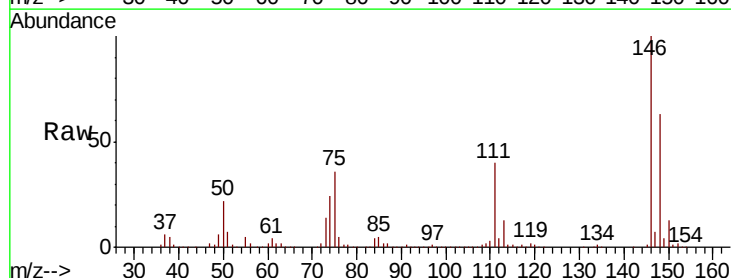
Manual Integrations  
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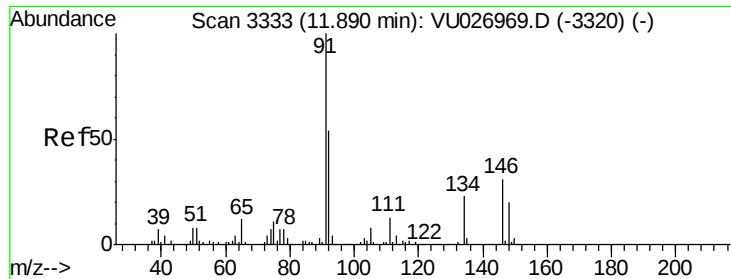
MMDadoda  
 9/24/2018 2:14:06 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 145.731 ug/l  
 RT: 11.51 min Scan# 3214  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 20.3  | 60.9  |
| 148     | 63.9  | 31.9  | 95.9  |





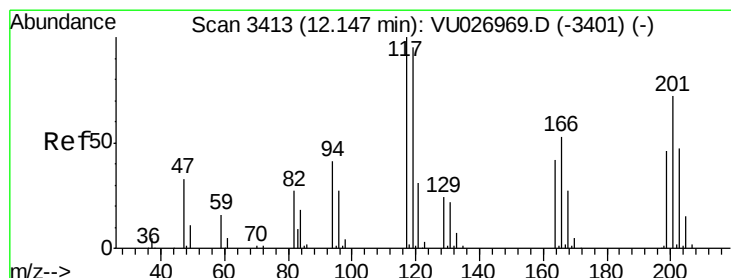
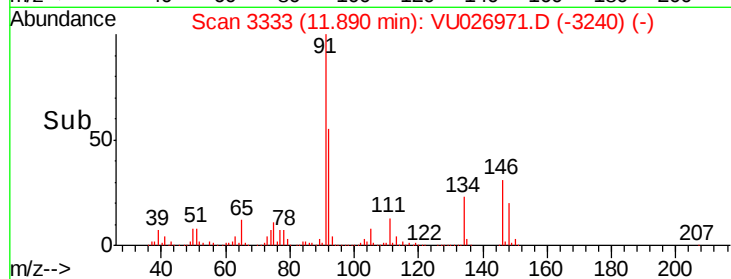
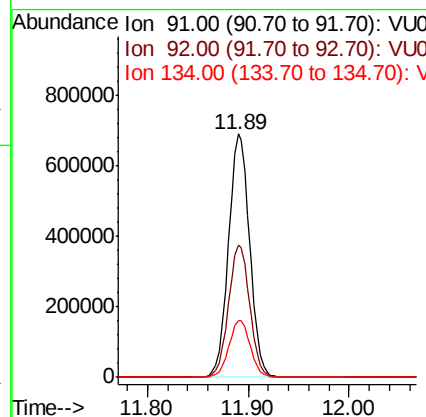
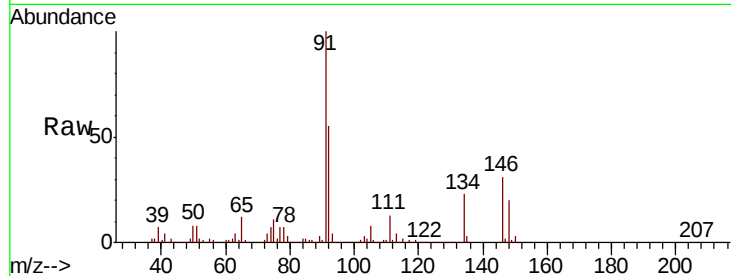
#89  
n-Butylbenzene  
Concen: 198.306 ug/l  
RT: 11.89 min Scan# 3333  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.5  | 27.1  | 81.2  |
| 134     | 23.5  | 11.7  | 35.0  |

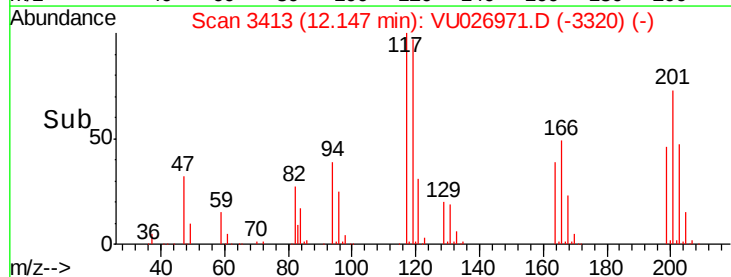
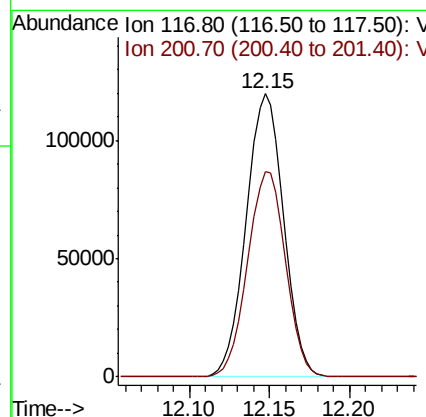
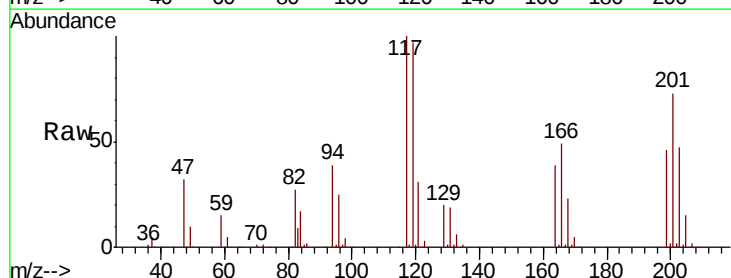
Manual Integrations  
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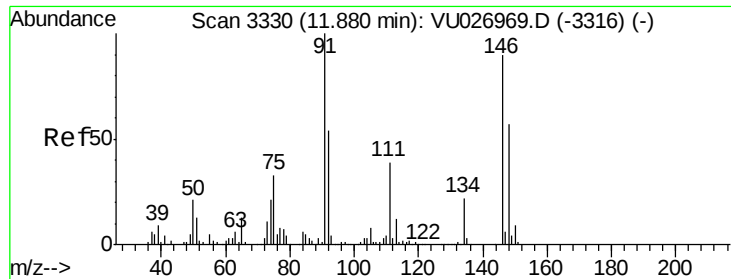
MMDadoda  
9/24/2018 2:14:06 PM



#90  
Hexachloroethane  
Concen: 163.730 ug/l  
RT: 12.15 min Scan# 3413  
Delta R.T. -0.00 min  
Lab File: VU026971.D  
Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 73.7  | 36.8  | 110.3 |





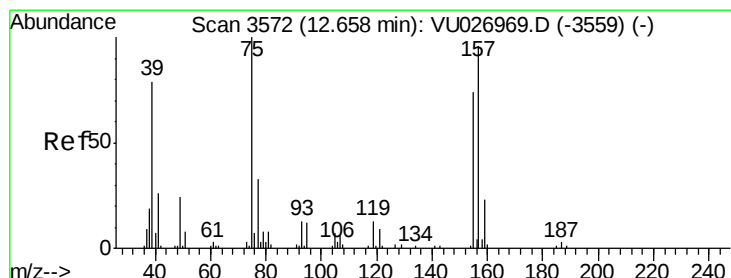
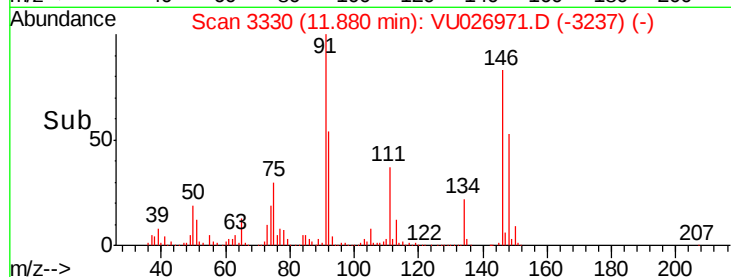
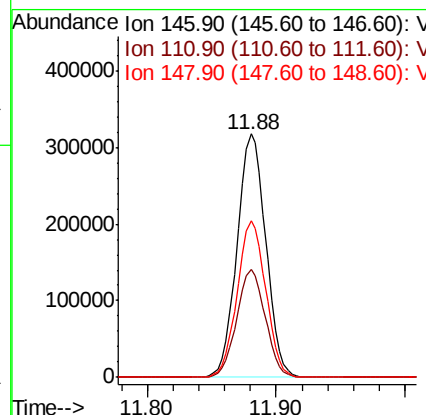
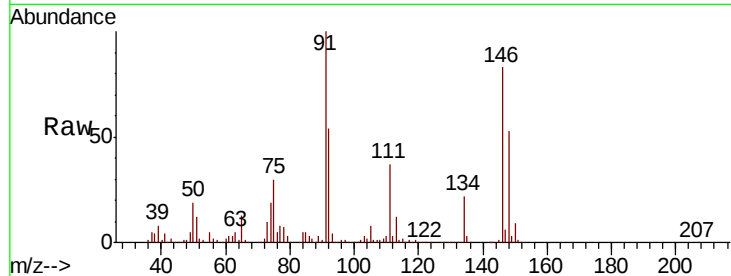
#91  
 1,2-Dichlorobenzene  
 Concen: 148.810 ug/l  
 RT: 11.88 min Scan# 3330  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 490321 |       |       |
| 111     | 44.1  | 21.8   | 65.3  |       |
| 148     | 64.1  | 31.9   | 95.7  |       |

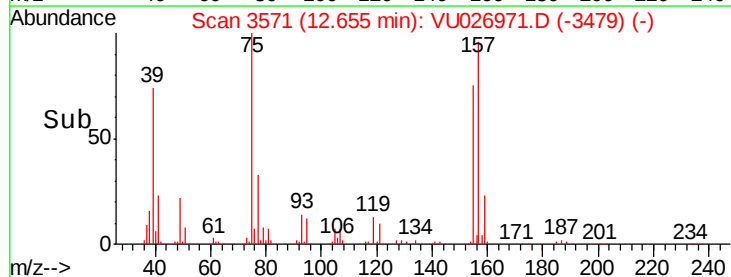
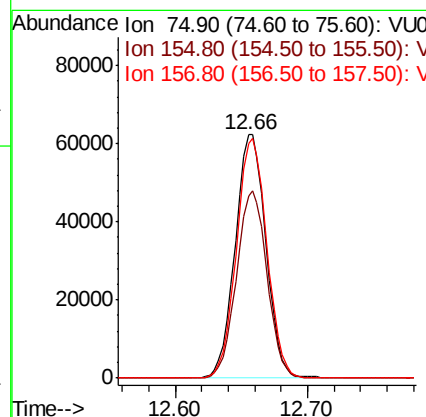
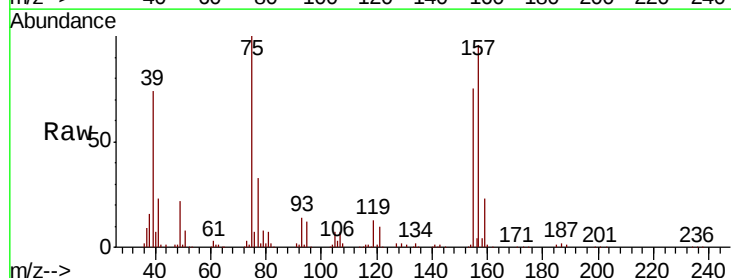
Manual Integrations  
 APPROVED

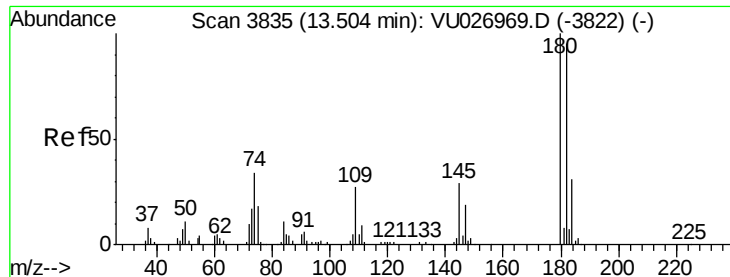
MMDadoda  
 9/24/2018 2:14:06 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 183.948 ug/l  
 RT: 12.66 min Scan# 3571  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 100233 |       |       |
| 155     | 76.3  | 36.6   | 109.8 |       |
| 157     | 97.2  | 47.4   | 142.2 |       |





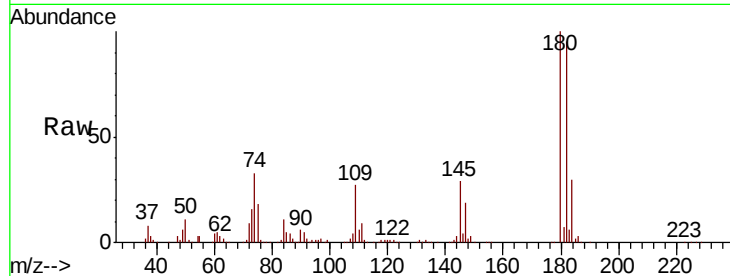
#93  
 1,2,4-Trichlorobenzene  
 Concen: 160.370 ug/l  
 RT: 13.50 min Scan# 3835  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 345470 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.4  | 47.4  | 142.2  |
| 145       | 29.2  | 14.9  | 44.5   |

Manual Integrations  
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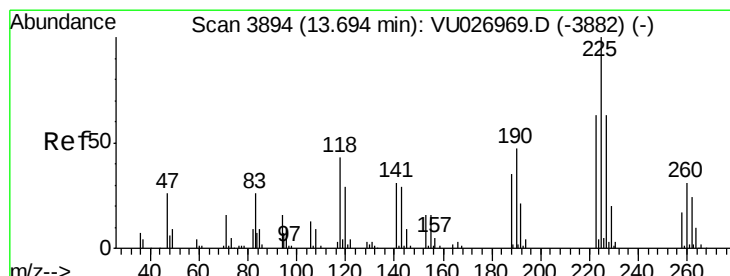
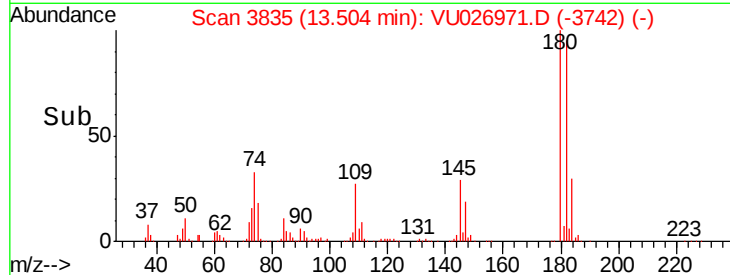
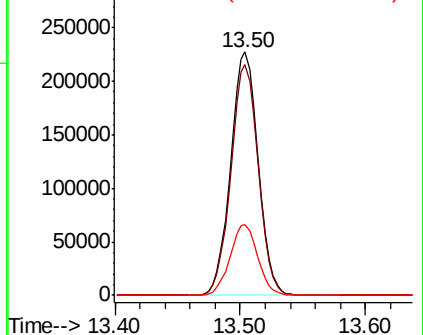


Abundance

Ion 179.80 (179.50 to 180.50): V

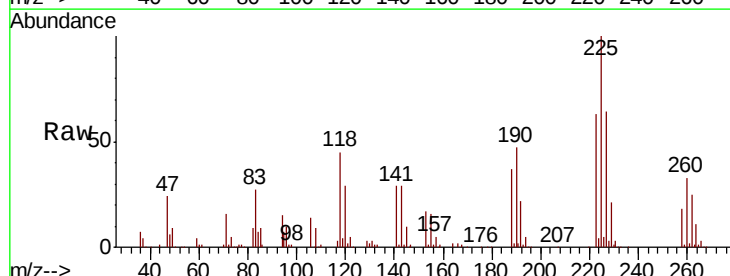
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 146.146 ug/l  
 RT: 13.69 min Scan# 3894  
 Delta R.T. -0.00 min  
 Lab File: VU026971.D  
 Acq: 21 Sep 2018 16:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 161879 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.3  | 31.9  | 95.7   |
| 227       | 63.6  | 32.1  | 96.5   |

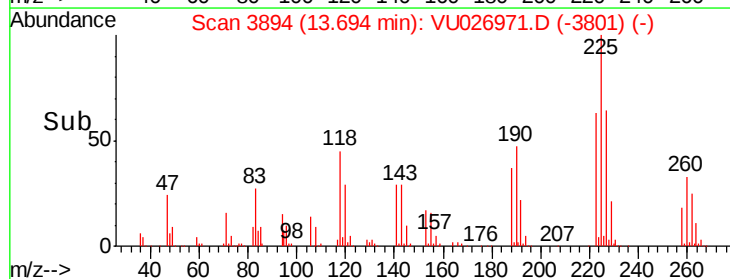
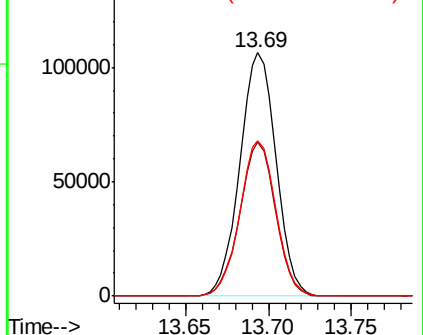


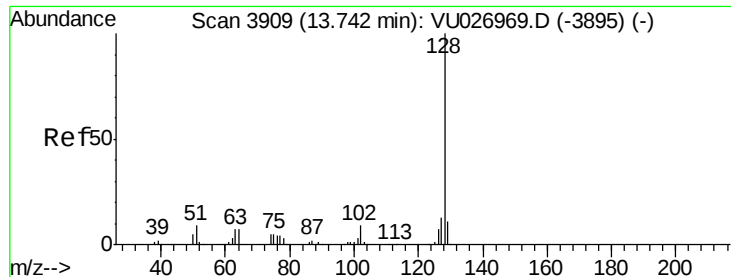
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 178.902 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1192294

Ion Ratio Lower Upper

128 100

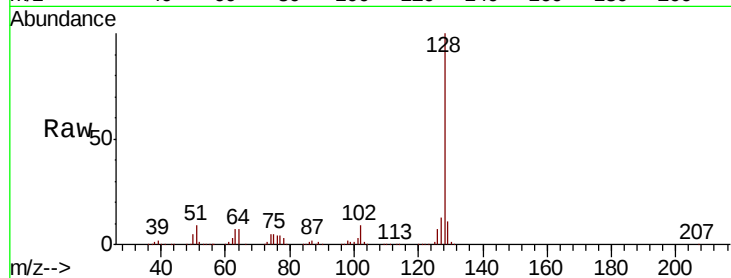
127 13.1 10.6 15.8

129 10.9 8.6 12.8

Manual Integrations  
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9/24/2018 2:14:06 PM

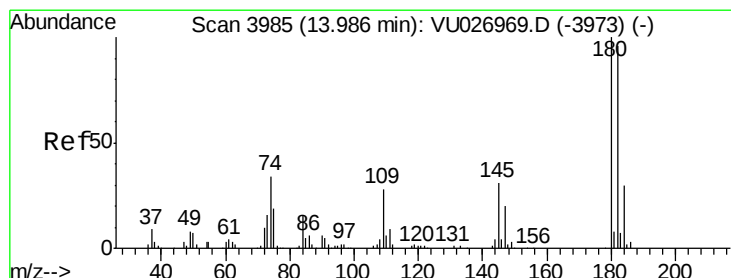
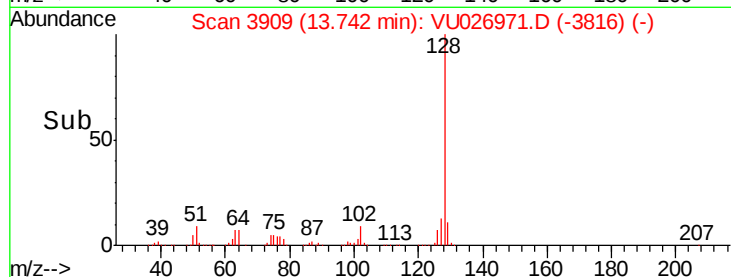
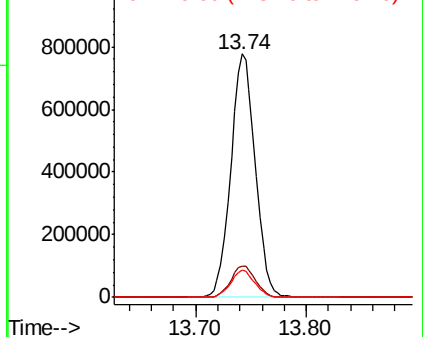


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 153.307 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

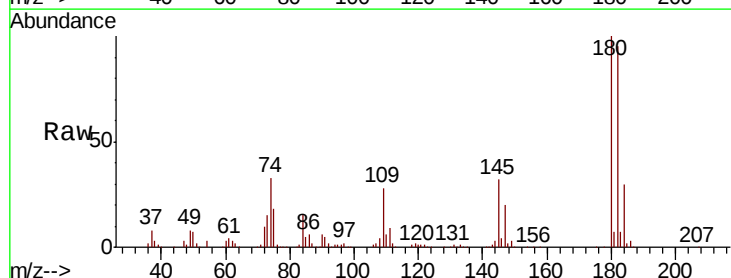
Tgt Ion:180 Resp: 346641

Ion Ratio Lower Upper

180 100

182 95.5 47.5 142.5

145 31.8 15.4 46.4



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

