

Data File : VU027840.D  
Acq On : 26 Oct 2018 17:47  
Operator : MD/SY  
Sample : J5668-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
ETBT0

Quant Time: Oct 27 01:49:56 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM102218WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Oct 27 01:41:17 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 118084   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 110284   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 49733    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 28826    | 31.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 62.74%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 25325    | 35.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 71.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 44015    | 26.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 53.20%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 75520    | 96.45    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.45%  |
| 24) Chloroform-d               | 4.65    | 84    | 64869    | 39.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 78.54%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 46491    | 40.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.30%  |
| 32) Benzene-d6                 | 5.34    | 84    | 123218   | 39.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 78.46%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 47199    | 42.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 84.18%  |
| 41) Toluene-d8                 | 7.57    | 98    | 109912   | 37.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 75.88%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 19932    | 36.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.20%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 56242    | 98.01    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.01%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 62905    | 43.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.88%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 41730    | 40.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.92%  |

#### Target Compounds

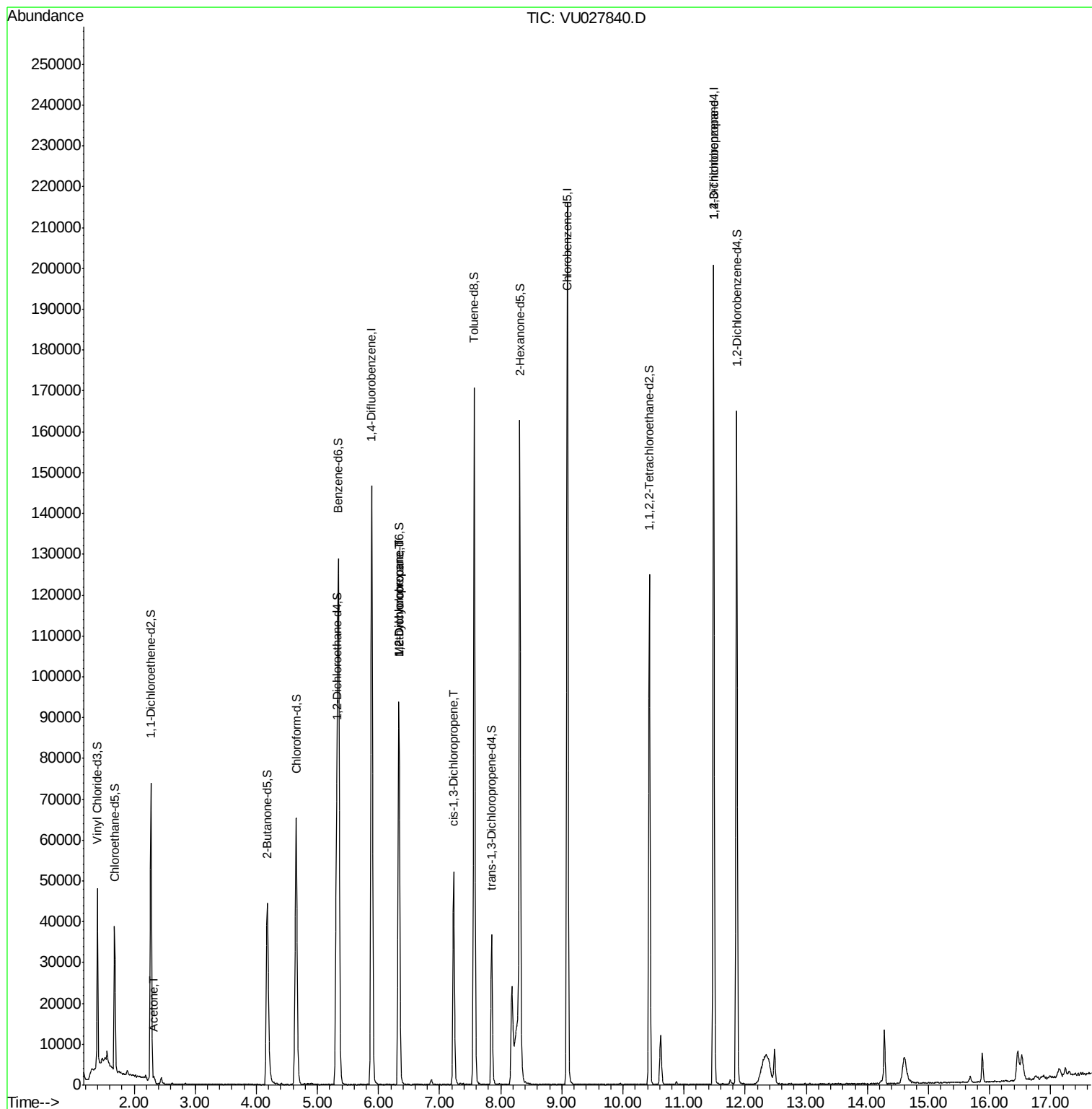
|                             |       |    |      |              | Qvalue |
|-----------------------------|-------|----|------|--------------|--------|
| 13) Acetone                 | 2.32  | 43 | 1603 | 2.939 ug/L   | 73     |
| 35) Methylcyclohexane       | 6.33  | 83 | 9585 | 6.748 ug/L # | 14     |
| 37) 1,2-Dichloropropane     | 6.33  | 63 | 4799 | 4.951 ug/L # | 90     |
| 39) cis-1,3-Dichloropropene | 7.23  | 75 | 1098 | 0.736 ug/L   | 90     |
| 59) 1,2,3-Trichloropropane  | 11.48 | 75 | 6135 | 5.355 ug/L   | 94     |

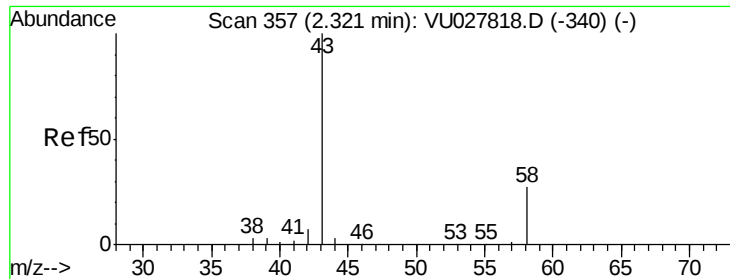
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.939 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

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Instrument :

MSVOA\_U

ClientSampleId :

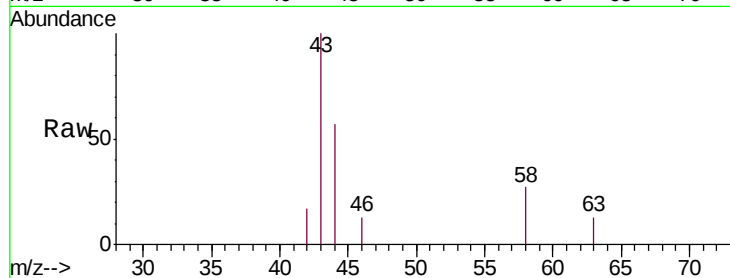
ETBT0

Tgt Ion: 43 Resp: 1603

Ion Ratio Lower Upper

43 100

58 14.3 0.0 57.4

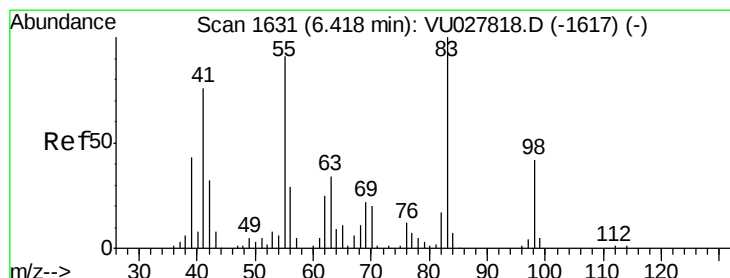
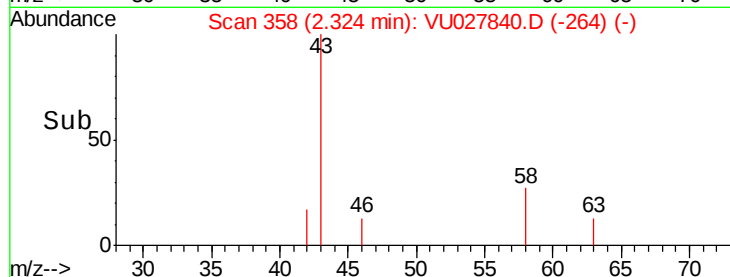


Abundance Ion 43.00 (42.70 to 43.70): VU027818.D (-340) (-)

Ion 58.00 (57.70 to 58.70): VU027818.D (-340) (-)

Time-->

2.30 2.35



#35

Methylcyclohexane

Concen: 6.748 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU027840.D

Acq: 26 Oct 2018 17:47

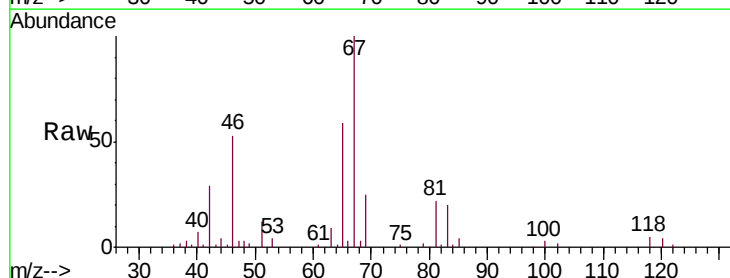
Tgt Ion: 83 Resp: 9585

Ion Ratio Lower Upper

83 100

55 0.0 71.9 107.9#

98 0.7 34.6 52.0#



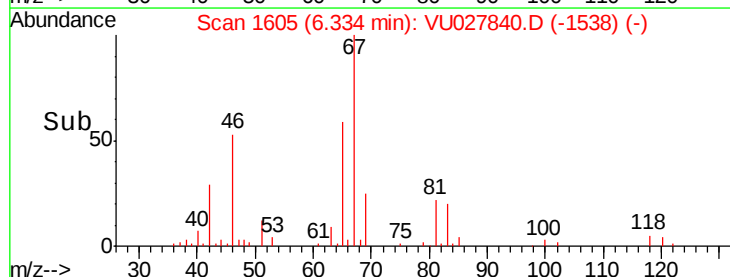
Abundance Ion 83.00 (82.70 to 83.70): VU027818.D (-1617) (-)

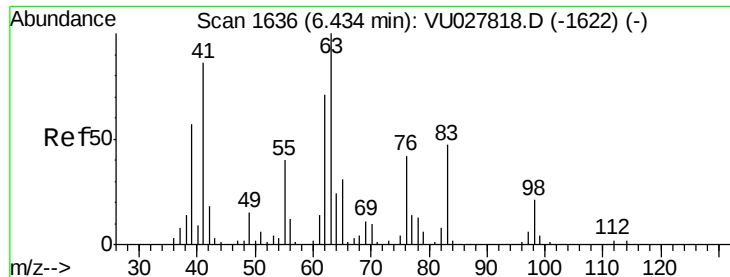
Ion 55.00 (54.70 to 55.70): VU027818.D (-1617) (-)

Ion 98.00 (97.70 to 98.70): VU027818.D (-1617) (-)

Time-->

6.30 6.35 6.40

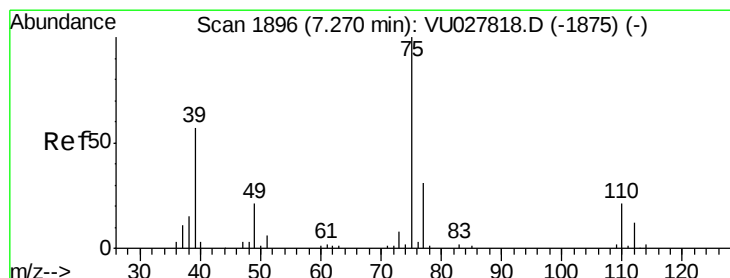
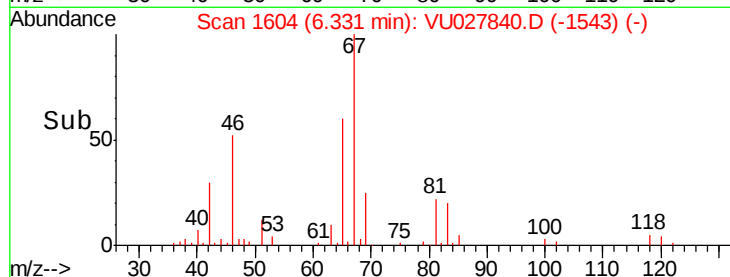
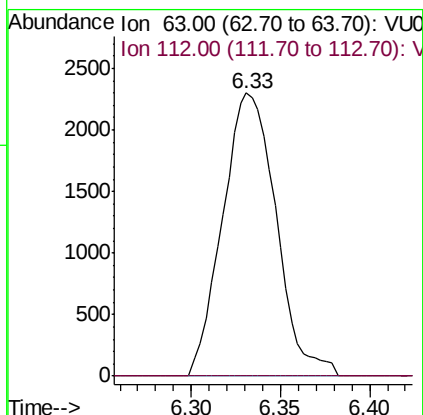
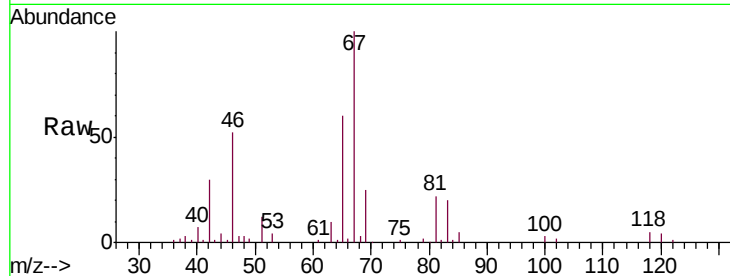




#37  
 1,2-Dichloropropane  
 Concen: 4.951 ug/L  
 RT: 6.33 min Scan# 1604  
 Delta R.T. -0.10 min  
 Lab File: VU027840.D  
 Acq: 26 Oct 2018 17:47

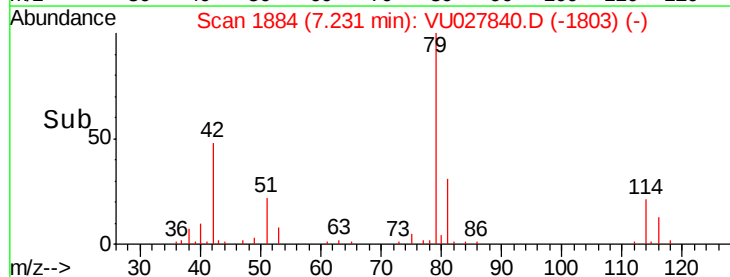
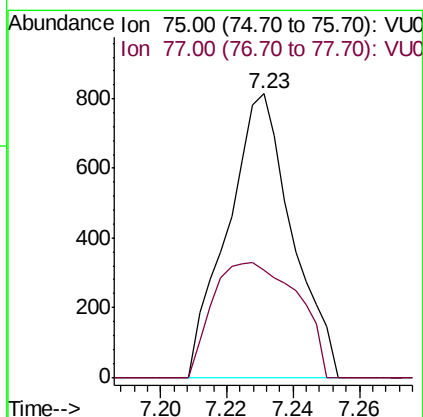
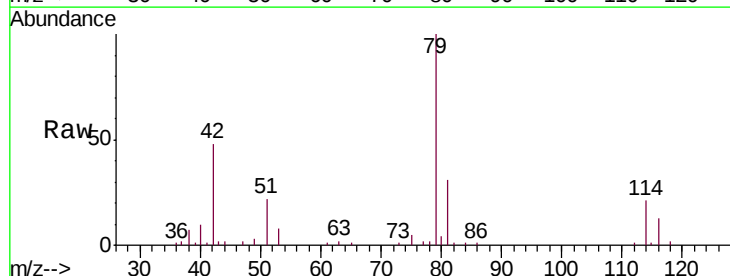
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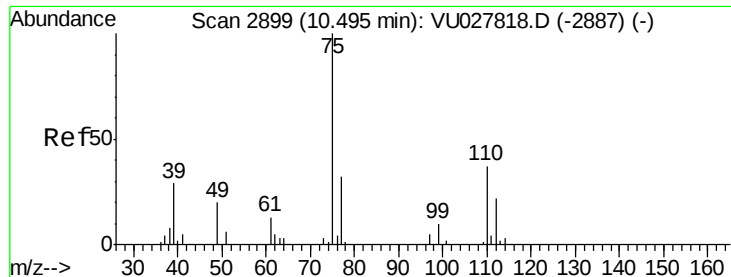
Tgt Ion: 63 Resp: 4799  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 2.6 3.8#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.736 ug/L  
 RT: 7.23 min Scan# 1884  
 Delta R.T. -0.04 min  
 Lab File: VU027840.D  
 Acq: 26 Oct 2018 17:47

Tgt Ion: 75 Resp: 1098  
 Ion Ratio Lower Upper  
 75 100  
 77 38.0 22.5 41.7





#59

1,2,3-Trichloropropane

Concen: 5.355 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027840.D

Acq: 26 Oct 2018 17:47

Instrument :

MSVOA\_U

ClientSampleId :

ETBT0

Tgt Ion: 75 Resp: 6135

Ion Ratio Lower Upper

75 100

77 36.3 26.5 39.7

