

Data File : VV013984.D  
Acq On : 10 Dec 2019 13:45  
Operator : SY/MD  
Sample : K6202-03  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0BX3

Quant Time: Dec 11 00:28:48 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 11 00:25:42 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 625434   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 569647   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 225821   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 163022   | 45.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.14%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 185178   | 49.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.10%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 277178   | 34.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.30%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 268489   | 105.45   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.45% |
| 24) Chloroform-d               | 4.40    | 84    | 338760   | 44.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 212258   | 44.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.20%  |
| 32) Benzene-d6                 | 5.09    | 84    | 665122   | 45.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.12%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 201368   | 45.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.90%  |
| 41) Toluene-d8                 | 7.36    | 98    | 536477   | 39.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 79.74%# |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 85871    | 39.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.66%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 126904   | 76.70    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 76.70%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 263921   | 41.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 82.28%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 216558   | 48.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.66%  |

#### Target Compounds

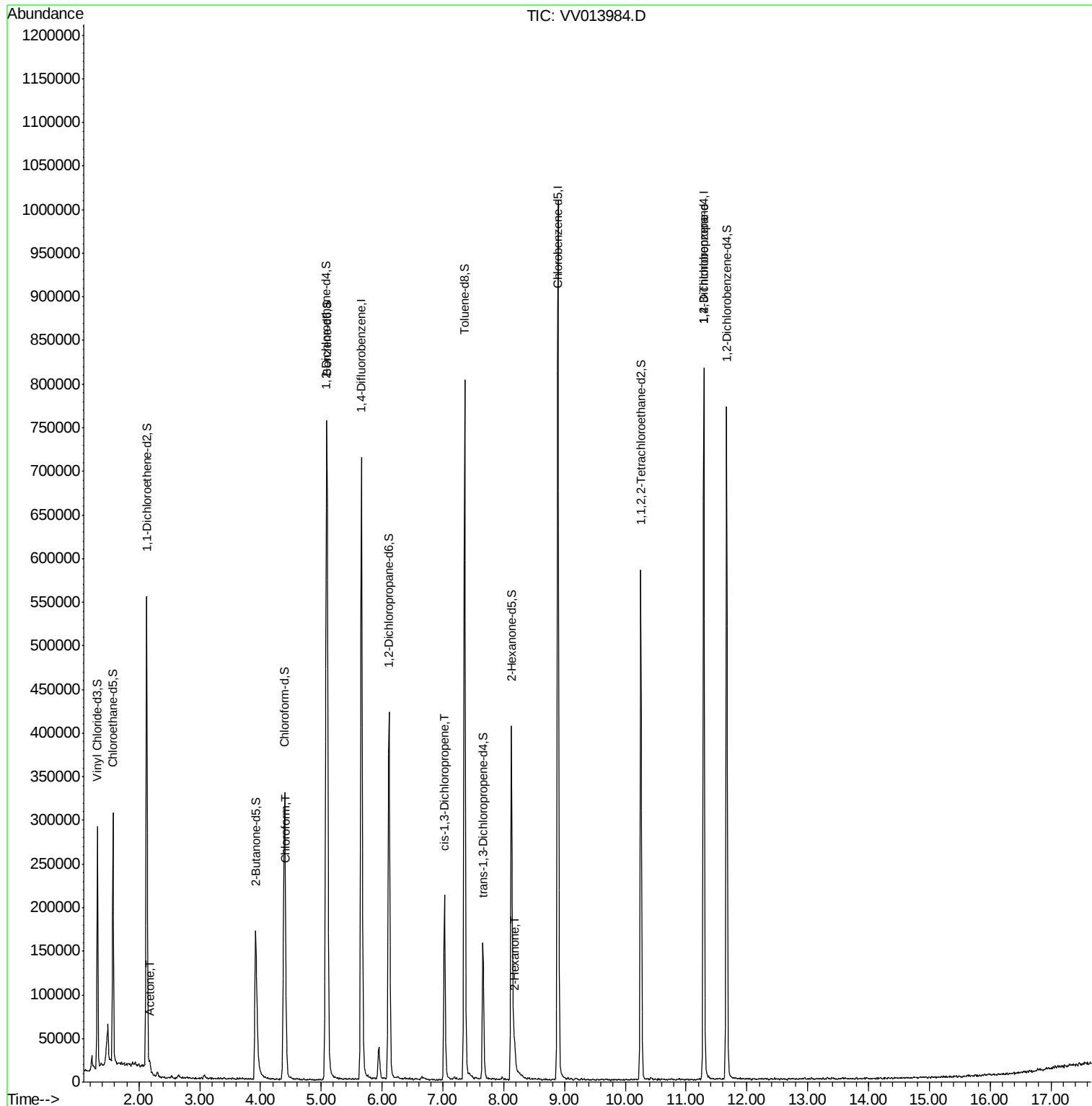
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 2.18  | 43 | 6123  | 1.641 ug/L   | 88     |
| 25) Chloroform              | 4.42  | 83 | 5978  | 0.698 ug/L   | 97     |
| 39) cis-1,3-Dichloropropene | 7.03  | 75 | 4446  | 0.688 ug/L # | 67     |
| 48) 2-Hexanone              | 8.18  | 43 | 16399 | 3.840 ug/L # | 79     |
| 59) 1,2,3-Trichloropropane  | 11.29 | 75 | 22251 | 4.005 ug/L   | 90     |

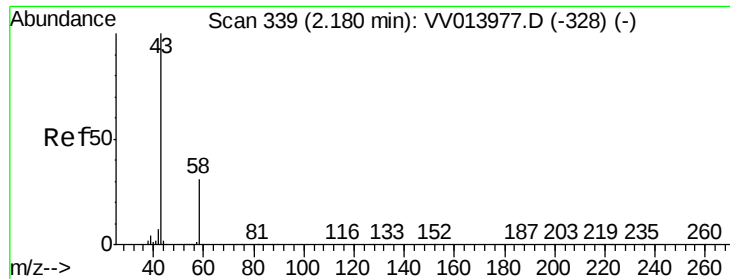
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.641 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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Acq: 10 Dec 2019 13:45

Instrument :

MSVOA\_V

ClientSampleId :

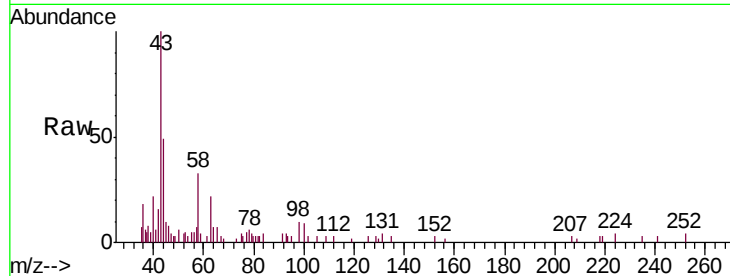
C0BX3

Tgt Ion: 43 Resp: 6123

Ion Ratio Lower Upper

43 100

58 36.9 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV013977.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV013977.D (-328) (-)

2.18

4000

3000

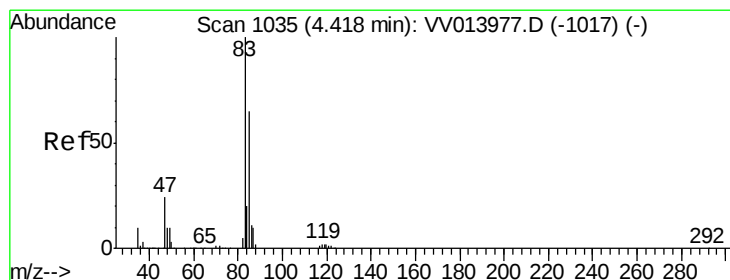
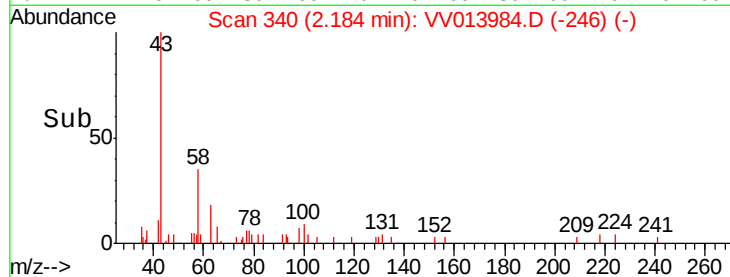
2000

1000

0

2.15 2.20 2.25

Time-->



#25

Chloroform

Concen: 0.698 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013984.D

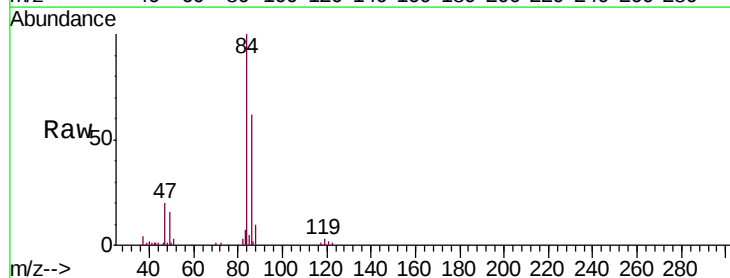
Acq: 10 Dec 2019 13:45

Tgt Ion: 83 Resp: 5978

Ion Ratio Lower Upper

83 100

85 67.4 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV013977.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV013977.D (-1017) (-)

4.42

3000

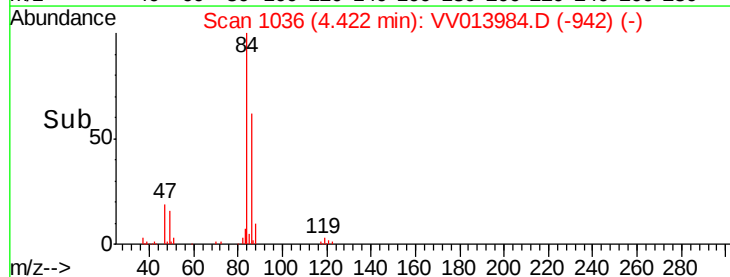
2000

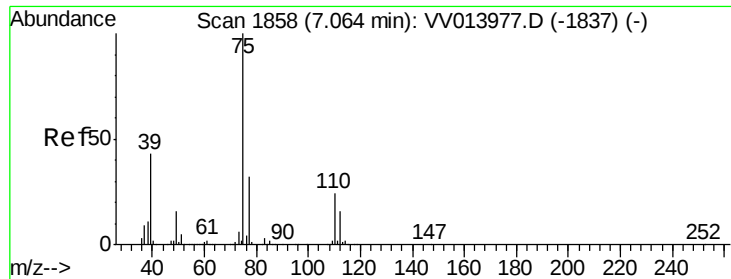
1000

0

4.40 4.45 4.50

Time-->



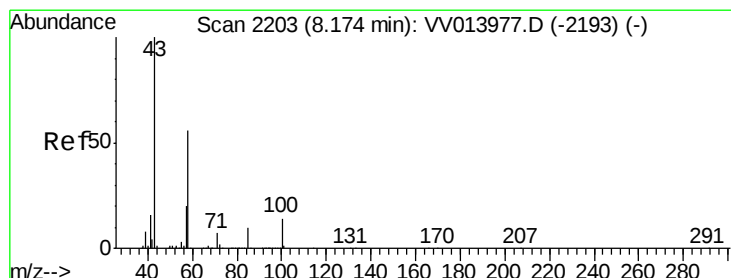
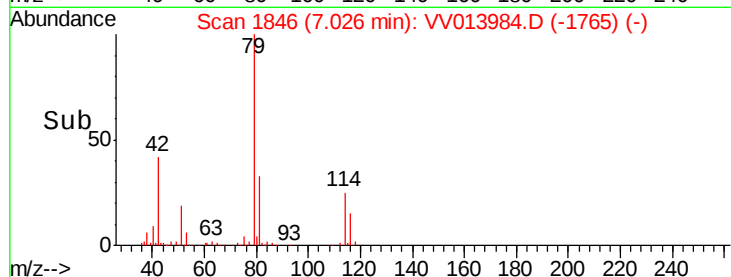
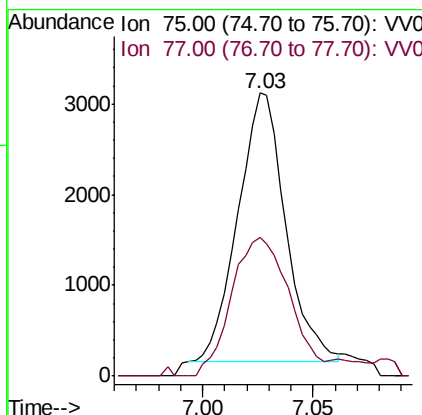
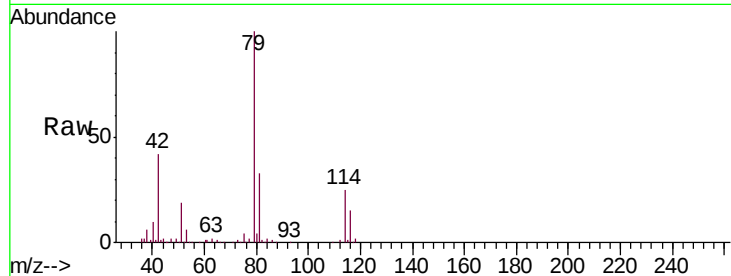


#39

cis-1,3-Dichloropropene  
 Concen: 0.688 ug/L  
 RT: 7.03 min Scan# 1846  
 Delta R.T. -0.04 min  
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 C0BX3

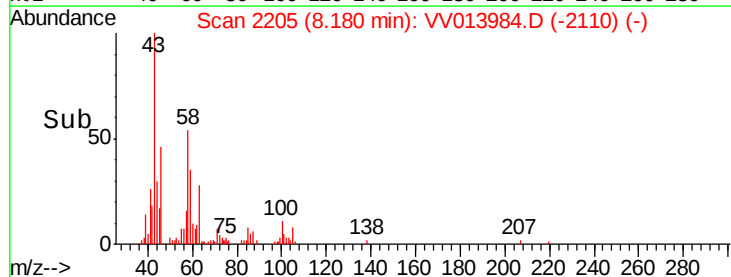
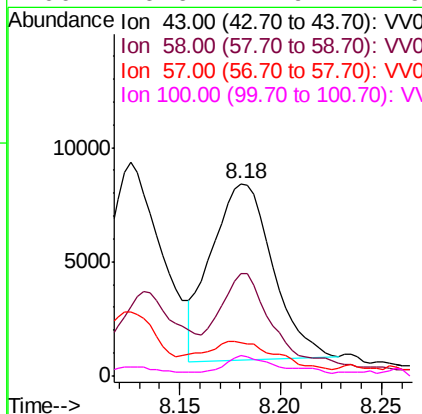
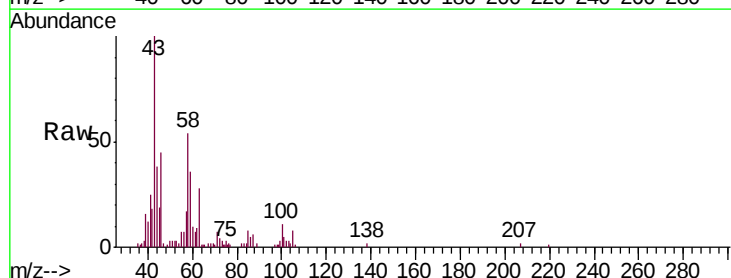
Tgt Ion: 75 Resp: 4446  
 Ion Ratio Lower Upper  
 75 100  
 77 49.0 21.6 40.2#

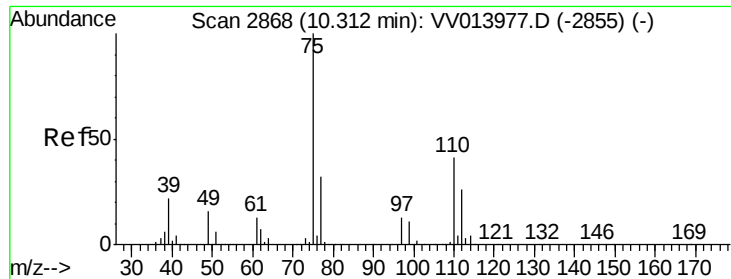


#48

2-Hexanone  
 Concen: 3.840 ug/L  
 RT: 8.18 min Scan# 2205  
 Delta R.T. 0.01 min  
 Lab File: VV013984.D  
 Acq: 10 Dec 2019 13:45

Tgt Ion: 43 Resp: 16399  
 Ion Ratio Lower Upper  
 43 100  
 58 38.9 48.4 72.6#  
 57 21.2 16.6 24.8  
 100 6.6 11.9 17.9#





#59

1,2,3-Trichloropropane

Concen: 4.005 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.98 min

Lab File: VV013984.D

Acq: 10 Dec 2019 13:45

Instrument :

MSVOA\_V

ClientSampleId :

C0BX3

Tgt Ion: 75 Resp: 22251

Ion Ratio Lower Upper

75 100

77 38.1 25.8 38.8

