

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU032219\  
 Data File : VU030307.D  
 Acq On : 22 Mar 2019 14:45  
 Operator : JC/SP  
 Sample : K2048-10 50X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF1D6

Quant Time: Mar 23 02:37:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 23 02:31:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 524699   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 512371   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 230068   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

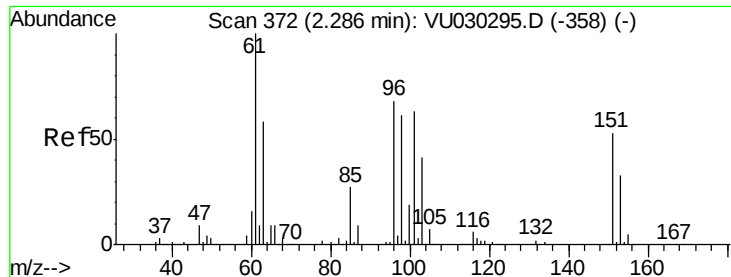
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 152805   | 43.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.14%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 132862   | 46.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.66%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 213101   | 32.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.84%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 271944   | 103.32   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 103.32% |
| 24) Chloroform-d               | 4.65    | 84    | 302441   | 46.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.90%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 178160   | 47.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.94%  |
| 32) Benzene-d6                 | 5.34    | 84    | 643876   | 47.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.38%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 207263   | 49.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.22%  |
| 41) Toluene-d8                 | 7.56    | 98    | 576211   | 45.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.78%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 90650    | 44.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.12%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 223789   | 103.30   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.30% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 313367   | 48.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 231654   | 50.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.30% |

## Target Compounds

|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 2384  | 0.676 ug/L # | 18     |
| 12) 1,1-Dichloroethene         | 2.28  | 96  | 1958  | 0.559 ug/L # | 1      |
| 35) Methylcyclohexane          | 6.33  | 83  | 47019 | 7.696 ug/L # | 21     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3550  | 0.675 ug/L   | 86     |
| 46) Tetrachloroethene          | 8.23  | 164 | 11335 | 3.443 ug/L   | 92     |
| 48) 2-Hexanone                 | 8.31  | 43  | 21293 | 4.931 ug/L # | 67     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 23402 | 4.574 ug/L   | 98     |

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





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.676 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030307.D

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Instrument :

MSVOA\_U

ClientSampleId :

BF1D6

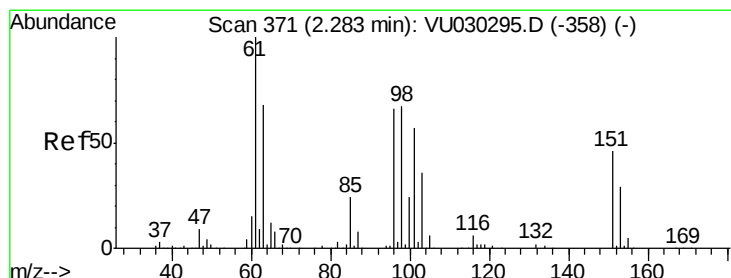
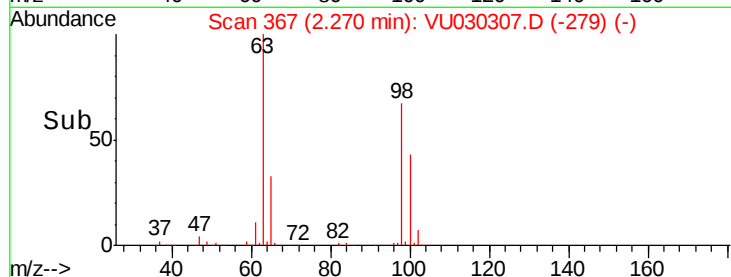
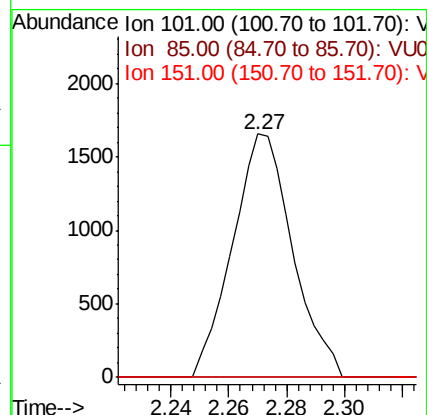
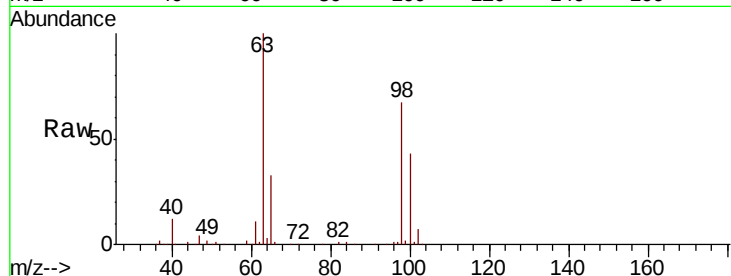
Tgt Ion: 101 Resp: 2384

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

151 0.0 64.7 97.1#



#12

1,1-Dichloroethene

Concen: 0.559 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU030307.D

Acq: 22 Mar 2019 14:45

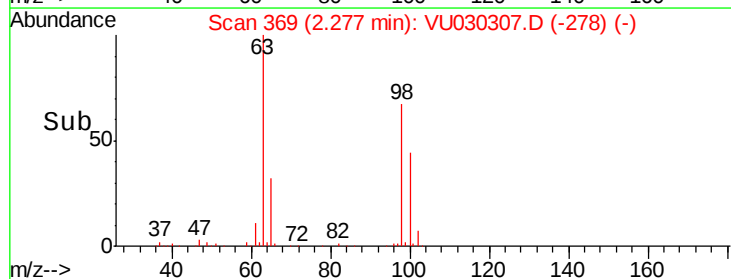
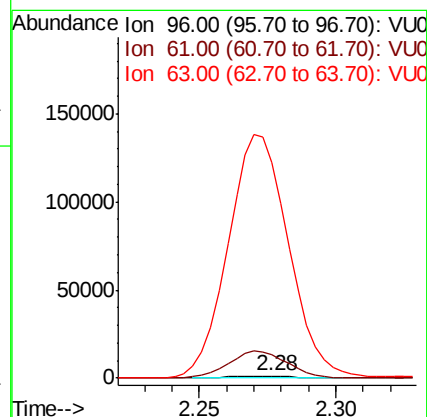
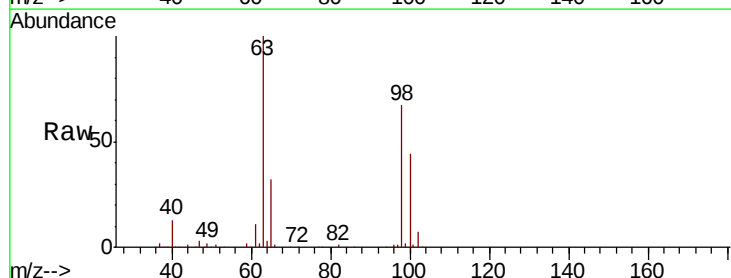
Tgt Ion: 96 Resp: 1958

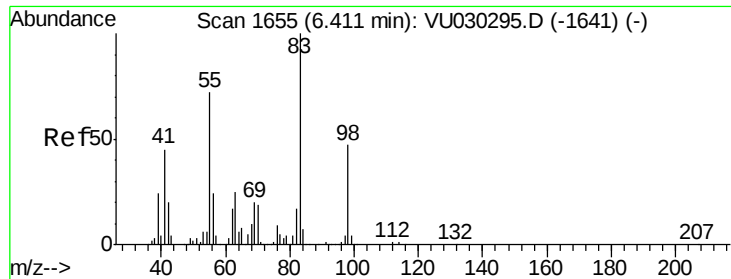
Ion Ratio Lower Upper

96 100

61 1076.1 104.6 194.2#

63 9999.0 77.2 143.4#

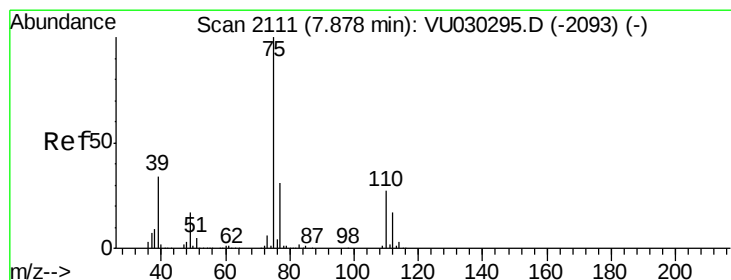
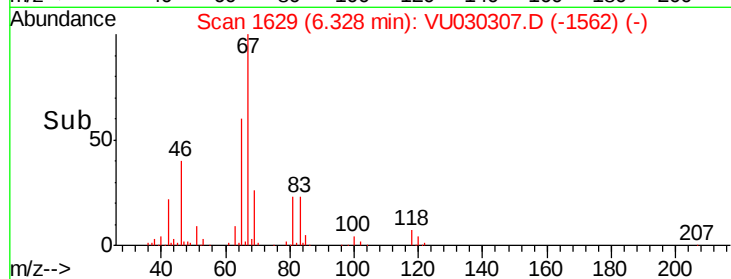
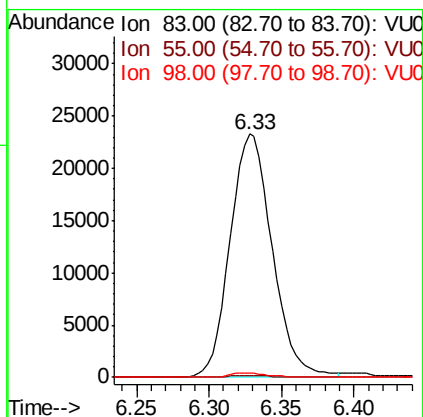
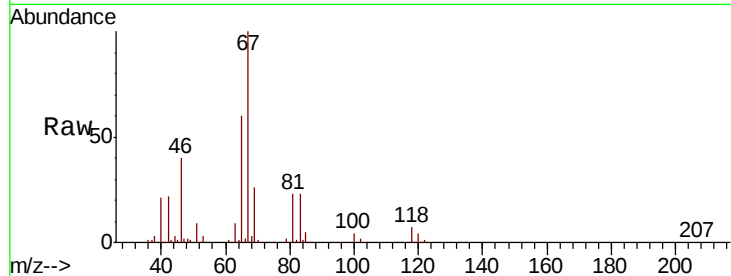




#35  
Methylcyclohexane  
Concen: 7.696 ug/L  
RT: 6.33 min Scan# 1629  
Delta R.T. -0.08 min  
Lab File: VU030307.D  
Acq: 22 Mar 2019 14:45

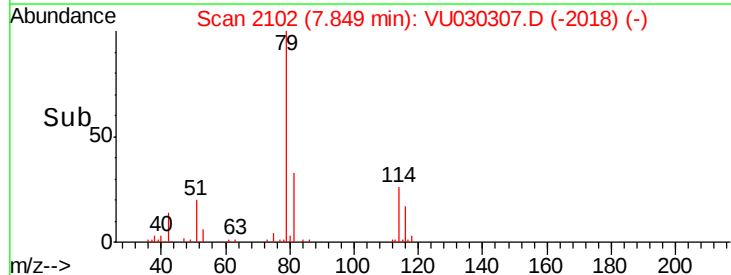
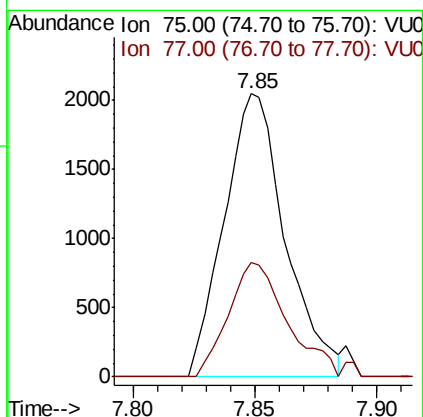
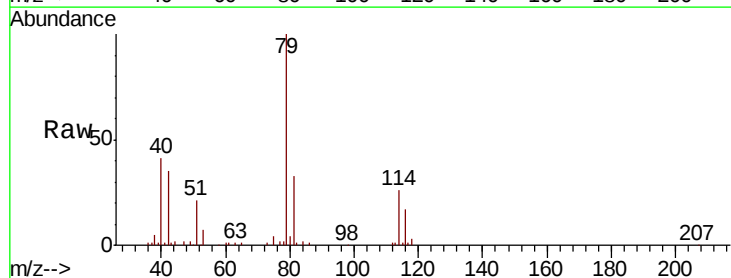
Instrument :  
MSVOA\_U  
ClientSampleId :  
BF1D6

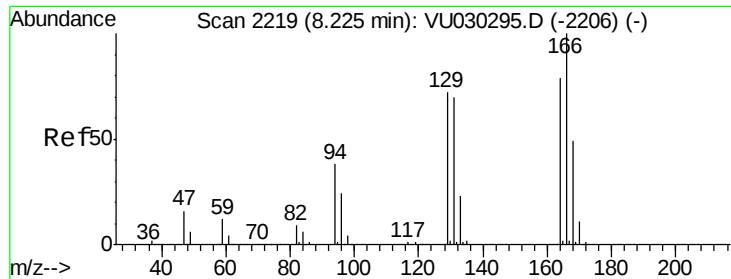
Tgt Ion: 83 Resp: 47019  
Ion Ratio Lower Upper  
83 100  
55 0.3 56.6 85.0#  
98 0.0 37.0 55.4#



#44  
trans-1,3-Dichloropropene  
Concen: 0.675 ug/L  
RT: 7.85 min Scan# 2102  
Delta R.T. -0.03 min  
Lab File: VU030307.D  
Acq: 22 Mar 2019 14:45

Tgt Ion: 75 Resp: 3550  
Ion Ratio Lower Upper  
75 100  
77 40.3 22.7 42.1

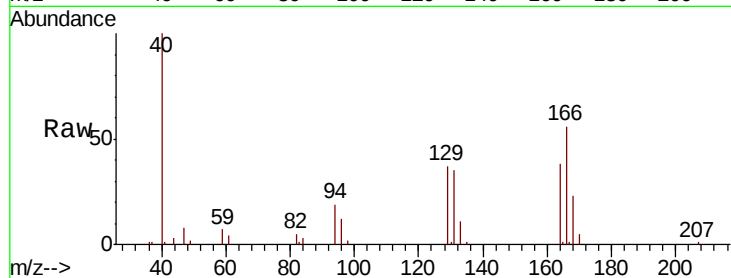




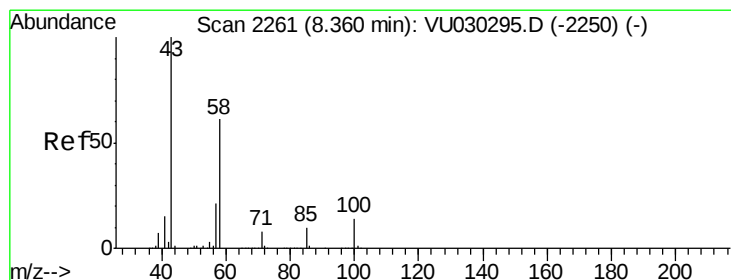
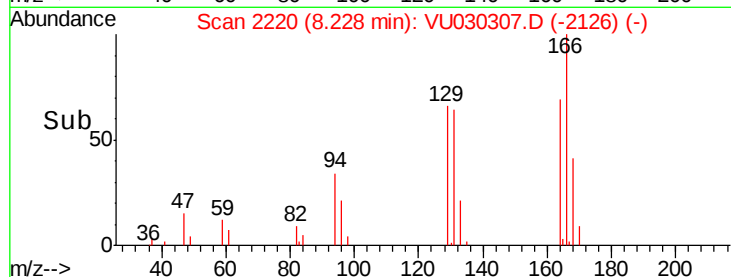
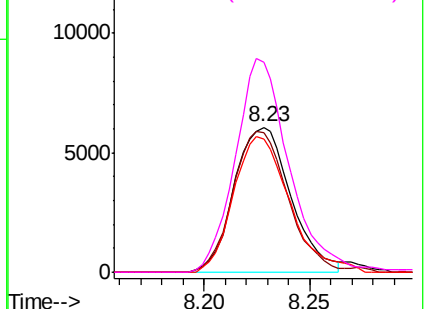
#46  
Tetrachloroethene  
Concen: 3.443 ug/L  
RT: 8.23 min Scan# 2220  
Delta R.T. 0.00 min  
Lab File: VU030307.D  
Acq: 22 Mar 2019 14:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF1D6

Tgt Ion:164 Resp: 11335  
Ion Ratio Lower Upper  
164 100  
129 96.3 64.4 119.6  
131 92.1 63.2 117.4  
166 144.9 89.5 166.1

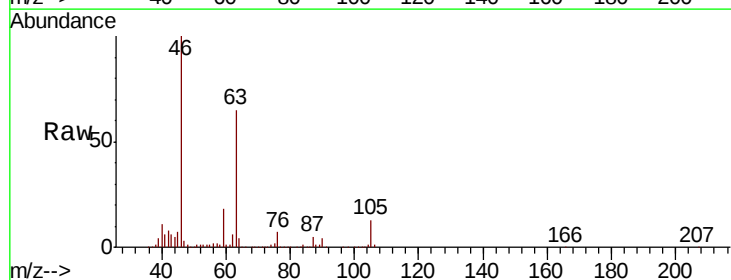


Abundance Ion 164.00 (163.70 to 164.70): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 131.00 (130.70 to 131.70): V  
Ion 166.00 (165.70 to 166.70): V

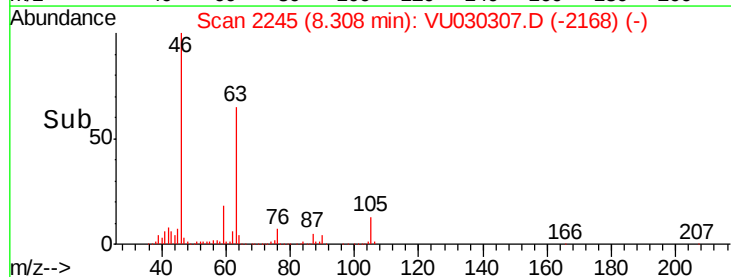
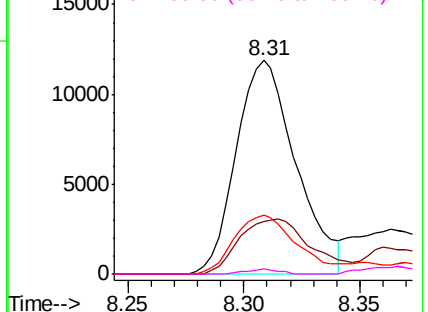


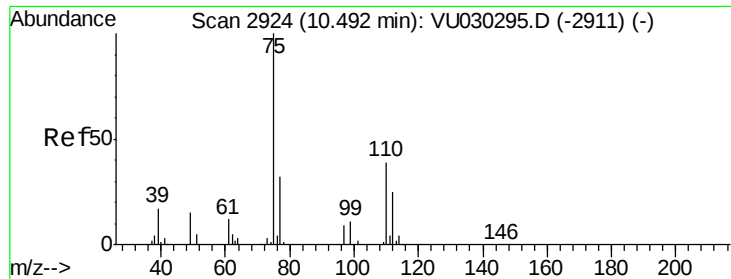
#48  
2-Hexanone  
Concen: 4.931 ug/L  
RT: 8.31 min Scan# 2245  
Delta R.T. -0.05 min  
Lab File: VU030307.D  
Acq: 22 Mar 2019 14:45

Tgt Ion: 43 Resp: 21293  
Ion Ratio Lower Upper  
43 100  
58 31.0 49.3 73.9#  
57 28.1 17.0 25.4#  
100 1.2 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 58.00 (57.70 to 58.70): VU0  
Ion 57.00 (56.70 to 57.70): VU0  
Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 4.574 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030307.D

Acq: 22 Mar 2019 14:45

Instrument :

MSVOA\_U

ClientSampleId :

BF1D6

Tgt Ion: 75 Resp: 23402

Ion Ratio Lower Upper

75 100

77 33.4 25.8 38.8

