

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120821\  
 Data File : VU046183.D  
 Acq On : 08 Dec 2021 18:07  
 Operator : SY/MD  
 Sample : VU1208WBL02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 09 03:21:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

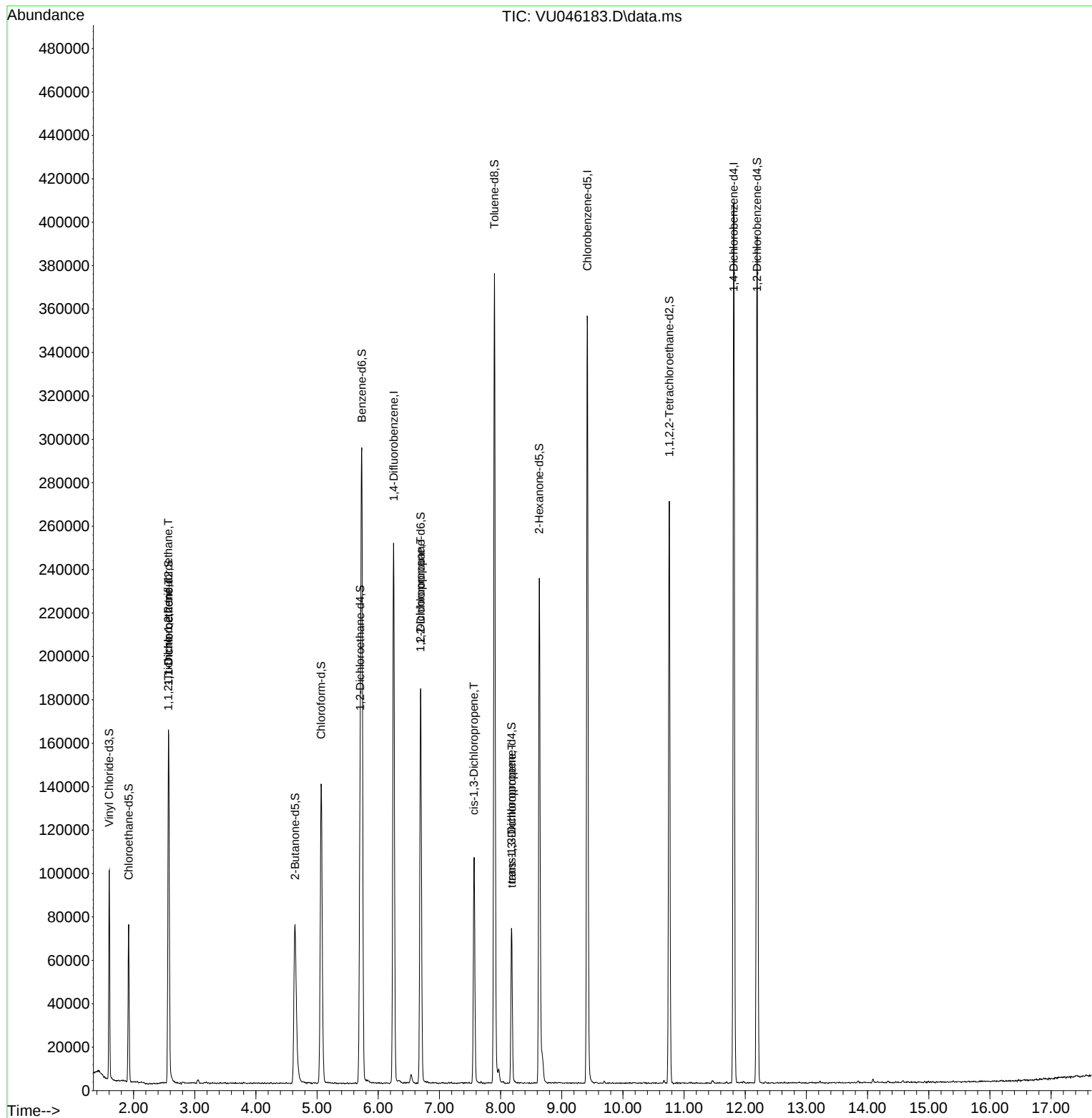
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 210882     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 209154     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 110090     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 66988      | 38.562   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 77.120%  |        |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 51642      | 38.719   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 77.440%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.572          | 63   | 94213      | 30.211   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 60.420%  |        |          |
| 21) 2-Butanone-d5             | 4.639          | 46   | 129089     | 93.479   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 93.480%  |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 129938     | 44.792   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.580%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 88755      | 45.589   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.180%  |        |          |
| 32) Benzene-d6                | 5.732          | 84   | 281002     | 46.875   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.740%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 86431      | 46.522   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 93.040%  |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 256160     | 46.932   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 93.860%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 41323      | 46.075   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 92.160%  |        |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 87371      | 99.186   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 99.190%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 131413     | 46.641   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 93.280%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 106590     | 50.275   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 100.560% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568          | 101  | 870        | 0.567    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.572          | 96   | 775        | 0.532    | ug/L # | 1        |
| 37) 1,2-Dichloropropane       | 6.690          | 63   | 9087       | 5.480    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.565          | 75   | 2578       | 1.022    | ug/L # | 52       |
| 44) trans-1,3-Dichloropropene | 8.182          | 75   | 1767       | 0.713    | ug/L   | 87       |
| -----                         |                |      |            |          |        |          |

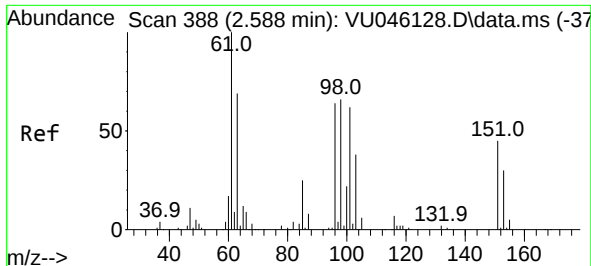
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VU1208WBL02  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

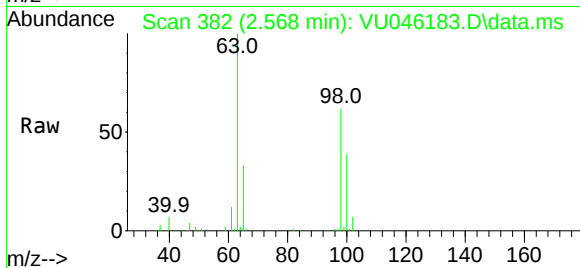
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 03 05:08:36 2021  
Response via : Initial Calibration



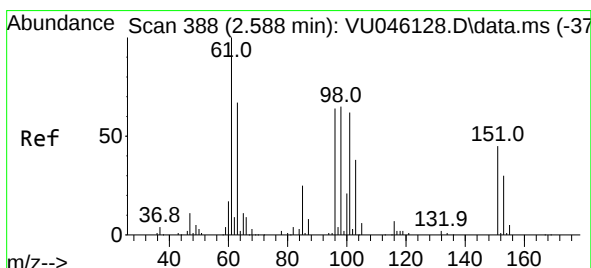
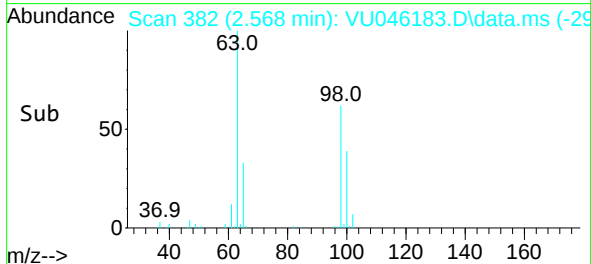
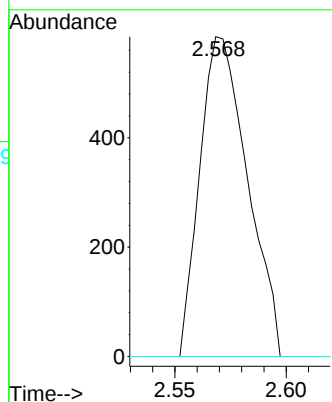


#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.567 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.019 min  
 Lab File: VU046183.D  
 Acq: 08 Dec 2021 18:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :

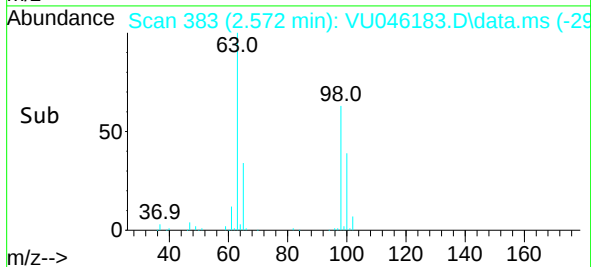
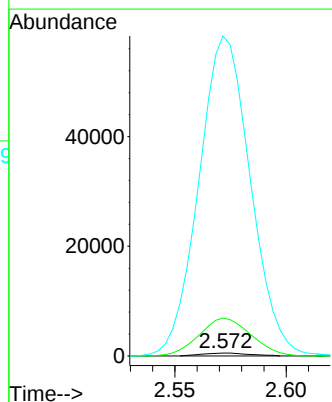
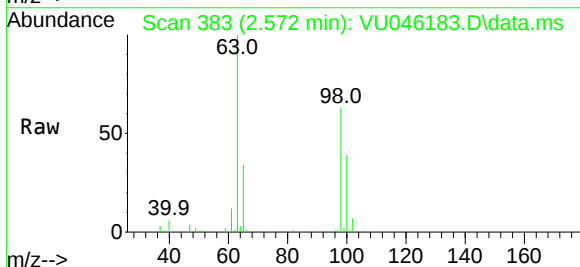


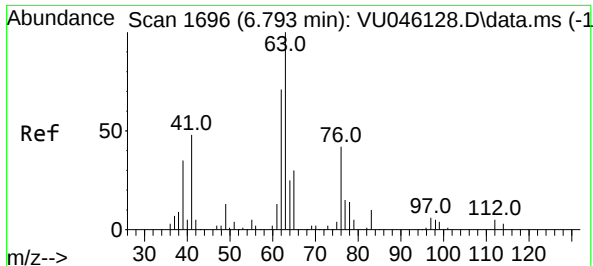
Tgt Ion:101 Resp: 870  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.1 52.7#  
 151 0.0 56.7 85.1#



#12  
 1,1-Dichloroethene  
 Concen: 0.532 ug/L  
 RT: 2.572 min Scan# 383  
 Delta R.T. -0.013 min  
 Lab File: VU046183.D  
 Acq: 08 Dec 2021 18:07

Tgt Ion: 96 Resp: 775  
 Ion Ratio Lower Upper  
 96 100  
 61 1338.4 118.6 220.2#  
 63 11307.0 93.0 172.8#





#37

1,2-Dichloropropane

Concen: 5.480 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046183.D

Acq: 08 Dec 2021 18:07

Instrument :

MSVOA\_U

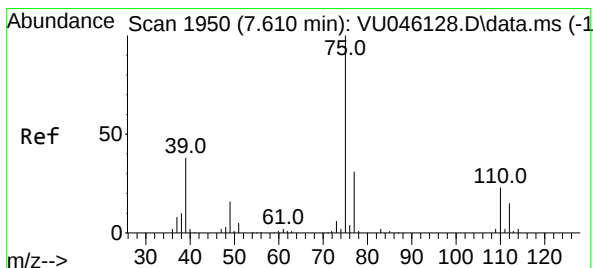
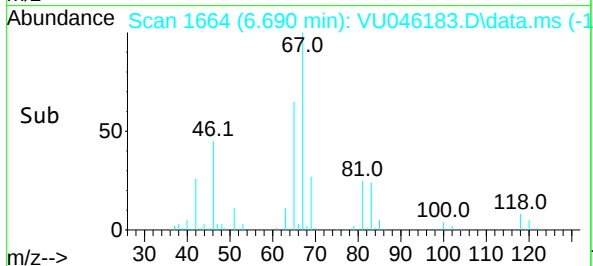
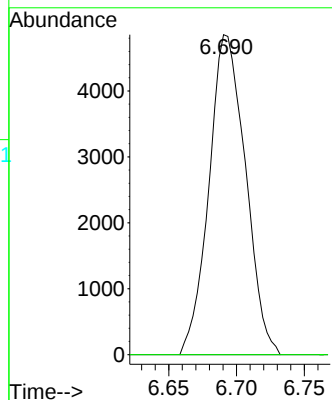
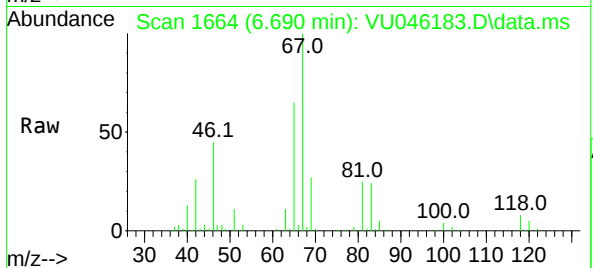
ClientSampleId :

Tgt Ion: 63 Resp: 9087

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.022 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046183.D

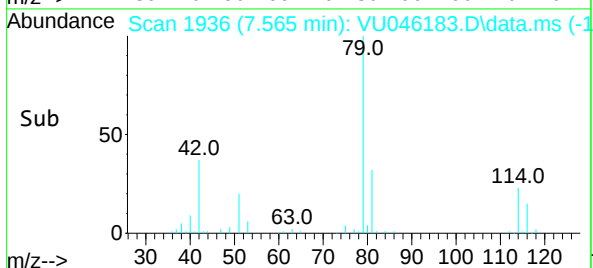
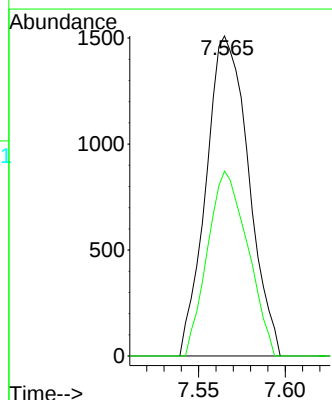
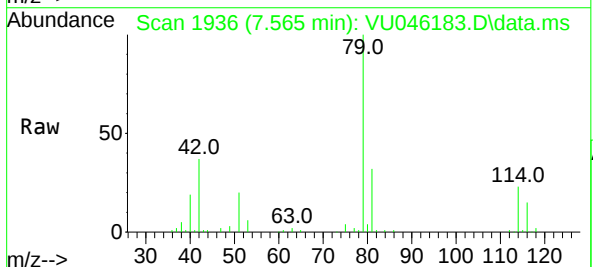
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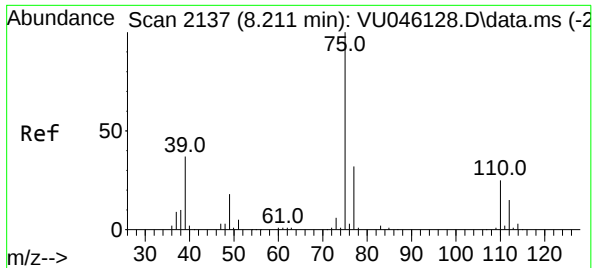
Tgt Ion: 75 Resp: 2578

Ion Ratio Lower Upper

75 100

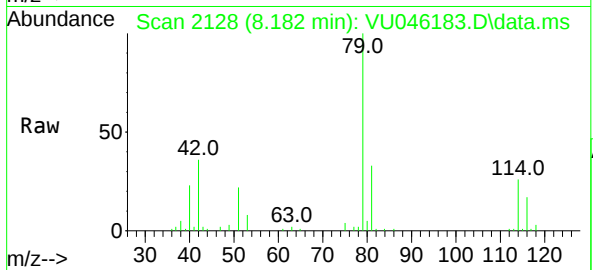
77 57.7 21.8 40.6#





#44  
 trans-1,3-Dichloropropene  
 Concen: 0.713 ug/L  
 RT: 8.182 min Scan# 21  
 Delta R.T. -0.032 min  
 Lab File: VU046183.D  
 Acq: 08 Dec 2021 18:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 1767  
 Ion Ratio Lower Upper  
 75 100  
 77 38.4 21.7 40.3

