

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090618\  
 Data File : VV007428.D  
 Acq On : 06 Sep 2018 18:42  
 Operator : SY/MD  
 Sample : J4719-08  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEGE4

Quant Time: Sep 07 02:12:30 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 07 01:29:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 517465   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 511025   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 194305   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 163796   | 44.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 88.64%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 126382   | 52.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 217379   | 33.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.78%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 200155   | 66.57    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 66.57%  |
| 24) Chloroform-d               | 4.41    | 84    | 318057   | 41.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 201771   | 43.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.50%  |
| 32) Benzene-d6                 | 5.10    | 84    | 644540   | 41.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.70%  |
| 36) 1,2-Dichloropropane-d6     | 6.13    | 67    | 214705   | 41.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 83.20%  |
| 41) Toluene-d8                 | 7.36    | 98    | 521298   | 39.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 78.64%# |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 85600    | 38.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.88%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 136379   | 67.40    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 67.40%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 286213   | 40.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 194294   | 46.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.06%  |

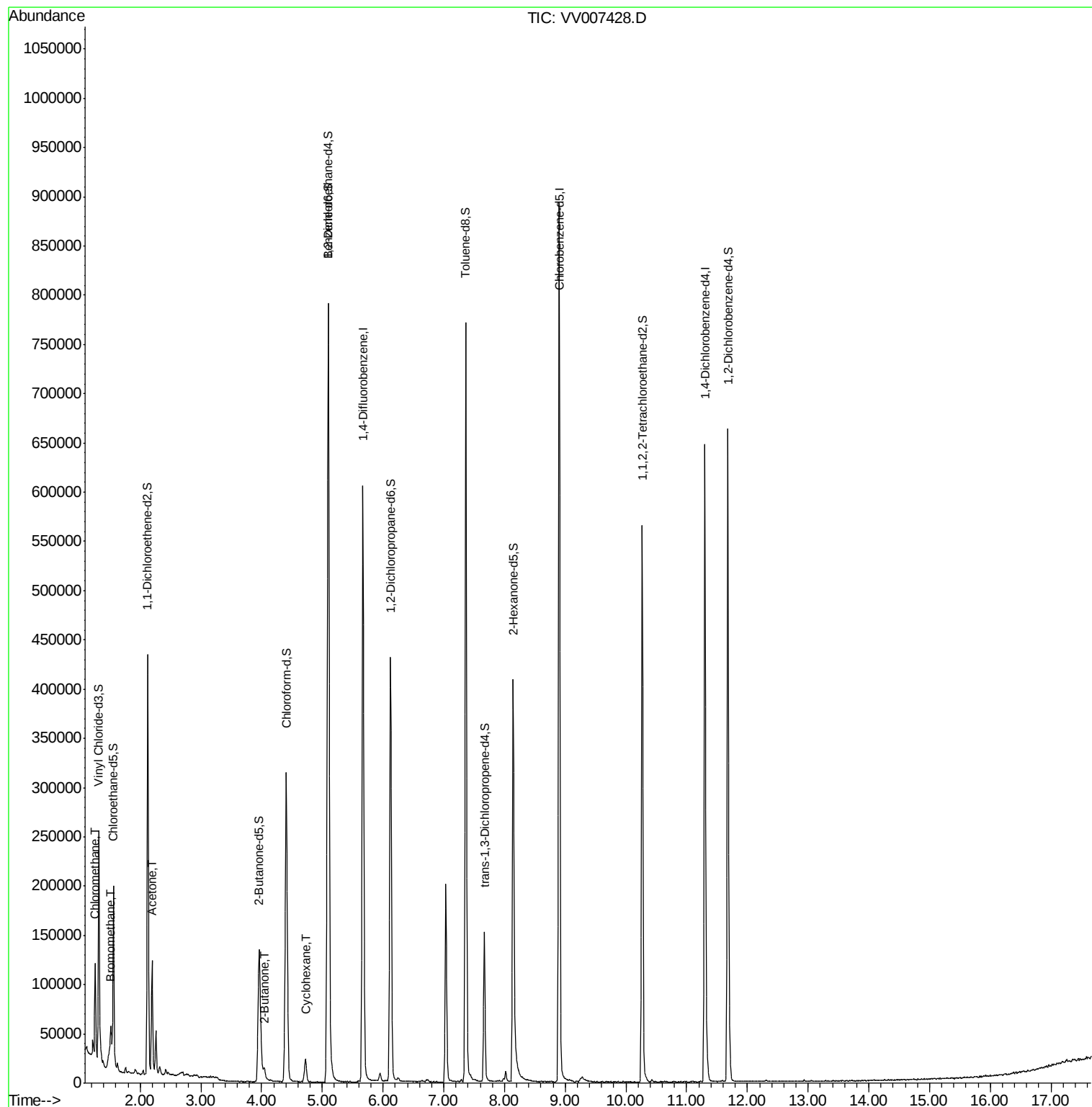
| Target Compounds |      |    |        |       |      | Ovalue |
|------------------|------|----|--------|-------|------|--------|
| 3) Chloromethane | 1.26 | 50 | 78871  | 18.10 | ug/L | 95     |
| 6) Bromomethane  | 1.51 | 94 | 6466   | 3.04  | ug/L | 100    |
| 13) Acetone      | 2.20 | 43 | 104274 | 58.24 | ug/L | 98     |
| 22) 2-Butanone   | 4.05 | 43 | 13727  | 4.58  | ug/L | 99     |
| 29) Cyclohexane  | 4.72 | 56 | 10064  | 1.78  | ug/L | 94     |

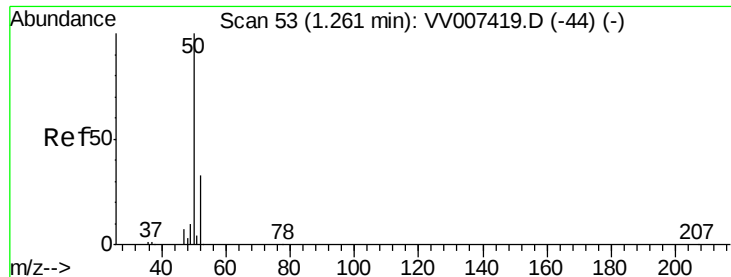
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Sep 07 01:29:25 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 18.10 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV007428.D

Acq: 06 Sep 2018 18:42

Instrument :

MSVOA\_V

ClientSampled :

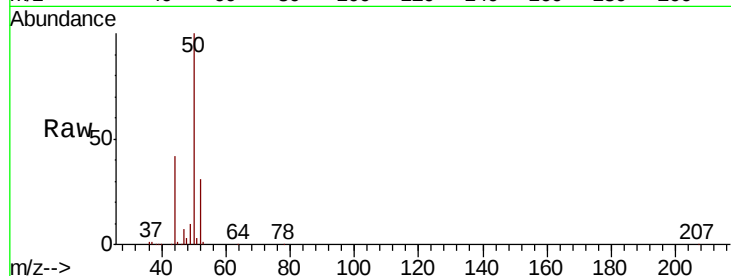
BEGE4

Tot Ion: 50 Resp: 78871

Ion Ratio Lower Upper

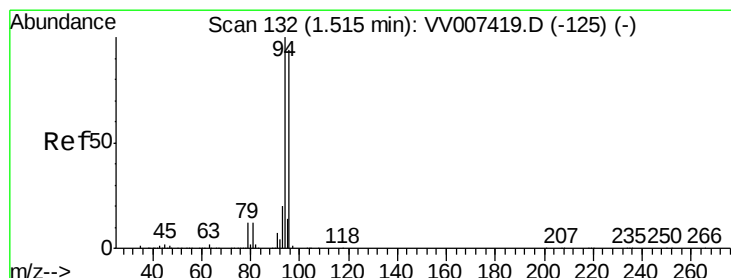
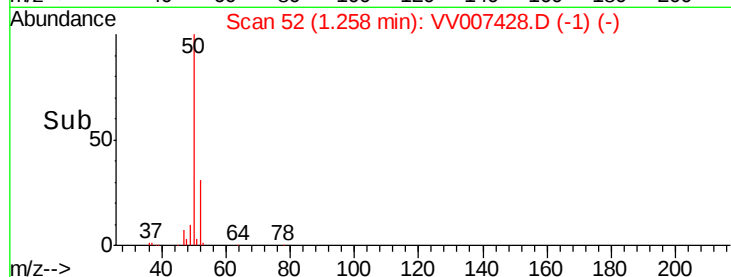
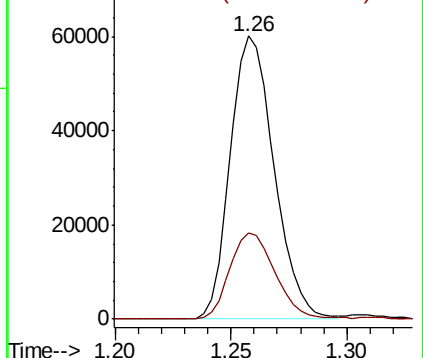
50 100

52 30.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#6

Bromomethane

Concen: 3.04 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV007428.D

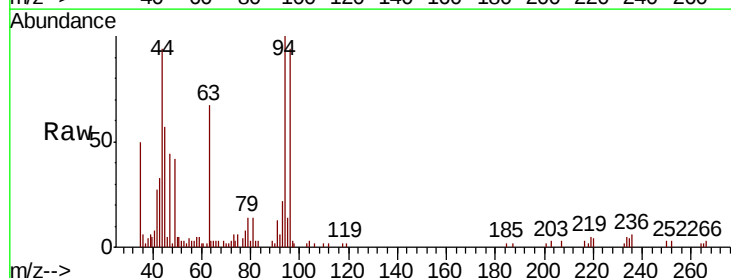
Acq: 06 Sep 2018 18:42

Tgt Ion: 94 Resp: 6466

Ion Ratio Lower Upper

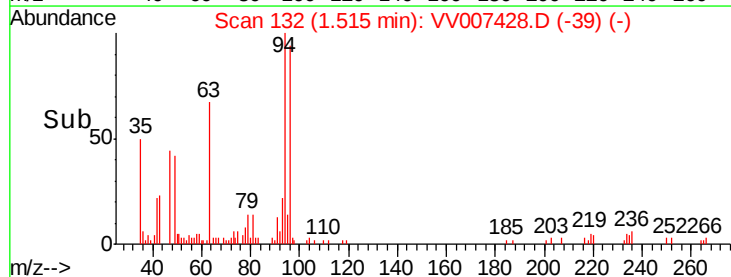
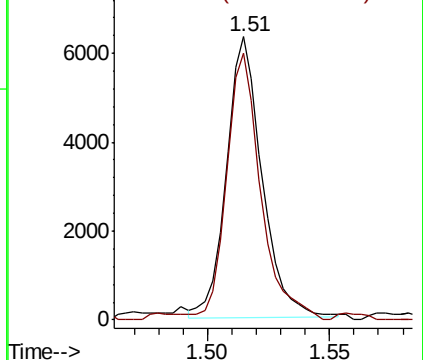
94 100

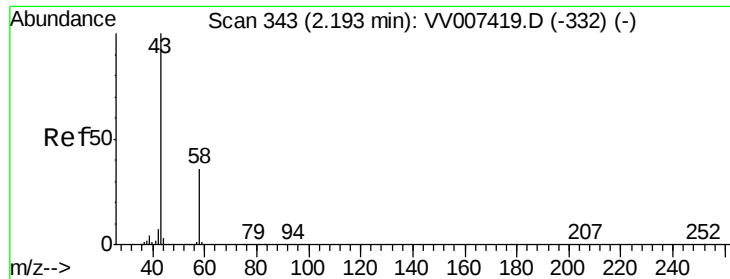
96 94.4 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#13

Acetone

Concen: 58.24 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV007428.D

Acq: 06 Sep 2018 18:42

Instrument :

MSVOA\_V

ClientSampleId :

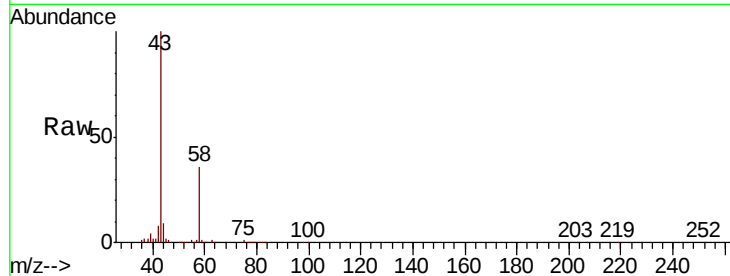
BEGE4

Tot Ion: 43 Resp: 104274

Ion Ratio Lower Upper

43 100

58 36.7 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VV007419.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV007419.D (-332) (-)

80000

60000

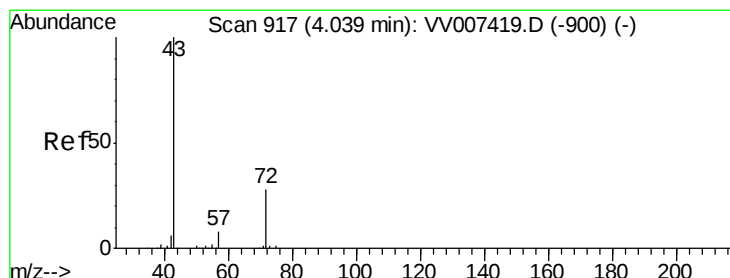
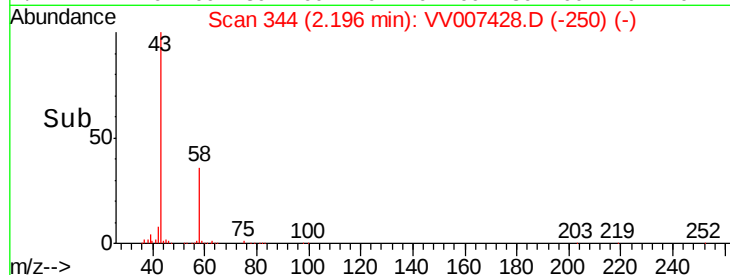
40000

20000

0

2.10 2.15 2.20 2.25 2.30

Time-->



#22

2-Butanone

Concen: 4.58 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.01 min

Lab File: VV007428.D

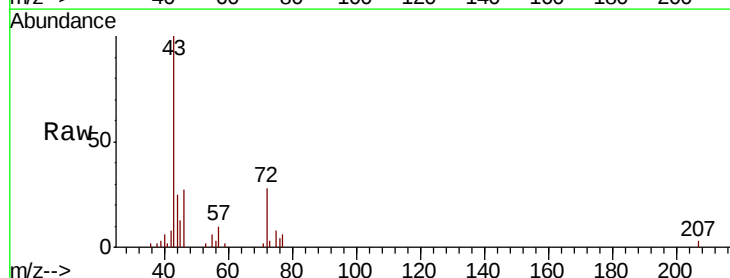
Acq: 06 Sep 2018 18:42

Tgt Ion: 43 Resp: 13727

Ion Ratio Lower Upper

43 100

72 27.2 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV007419.D (-900) (-)

Ion 72.00 (71.70 to 72.70): VV007419.D (-900) (-)

6000

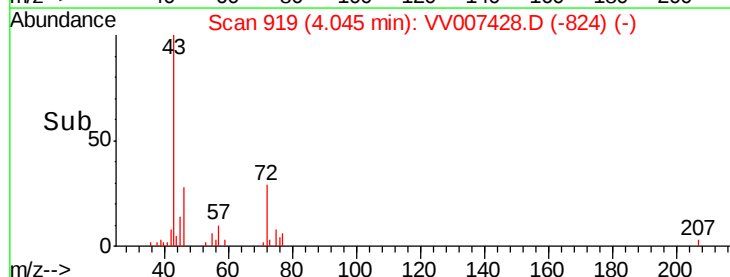
4000

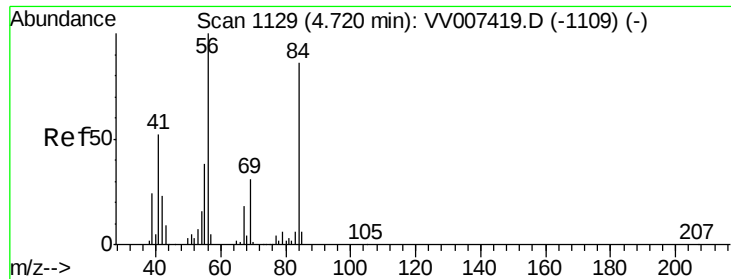
2000

0

4.00 4.05 4.10 4.15

Time-->





#29  
 Cvclohexane  
 Concen: 1.78 ug/L  
 RT: 4.72 min Scan# 1130  
 Delta R.T. 0.00 min  
 Lab File: VV007428.D  
 Acq: 06 Sep 2018 18:42

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEGE4

Tot Ion: 56 Resp: 10064  
 Ion Ratio Lower Upper  
 56 100  
 69 31.4 24.5 36.7  
 84 94.8 70.6 105.8

