

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU090618\  
 Data File : VU026597.D  
 Acq On : 06 Sep 2018 23:08  
 Operator : MD/SY  
 Sample : J4749-16  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E5FB7

Quant Time: Sep 07 05:30:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 07 05:26:58 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 154225   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 142179   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 55610    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 54526    | 57.06    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 114.12%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 48867    | 56.62    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 113.24%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 73854    | 34.32    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.64%   |
| 21) 2-Butanone-d5              | 4.18    | 46    | 87290    | 117.70   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 117.70%  |
| 24) Chloroform-d               | 4.65    | 84    | 98084    | 54.35    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.70%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 66212    | 55.11    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.22%  |
| 32) Benzene-d6                 | 5.34    | 84    | 196034   | 59.82    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 119.64%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 68293    | 60.67    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 121.34%# |
| 41) Toluene-d8                 | 7.57    | 98    | 171302   | 54.15    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.30%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 27677    | 53.84    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 107.68%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 61265    | 118.66   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 118.66%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 90946    | 54.83    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 109.66%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 61509    | 60.96    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 121.92%# |

## Target Compounds

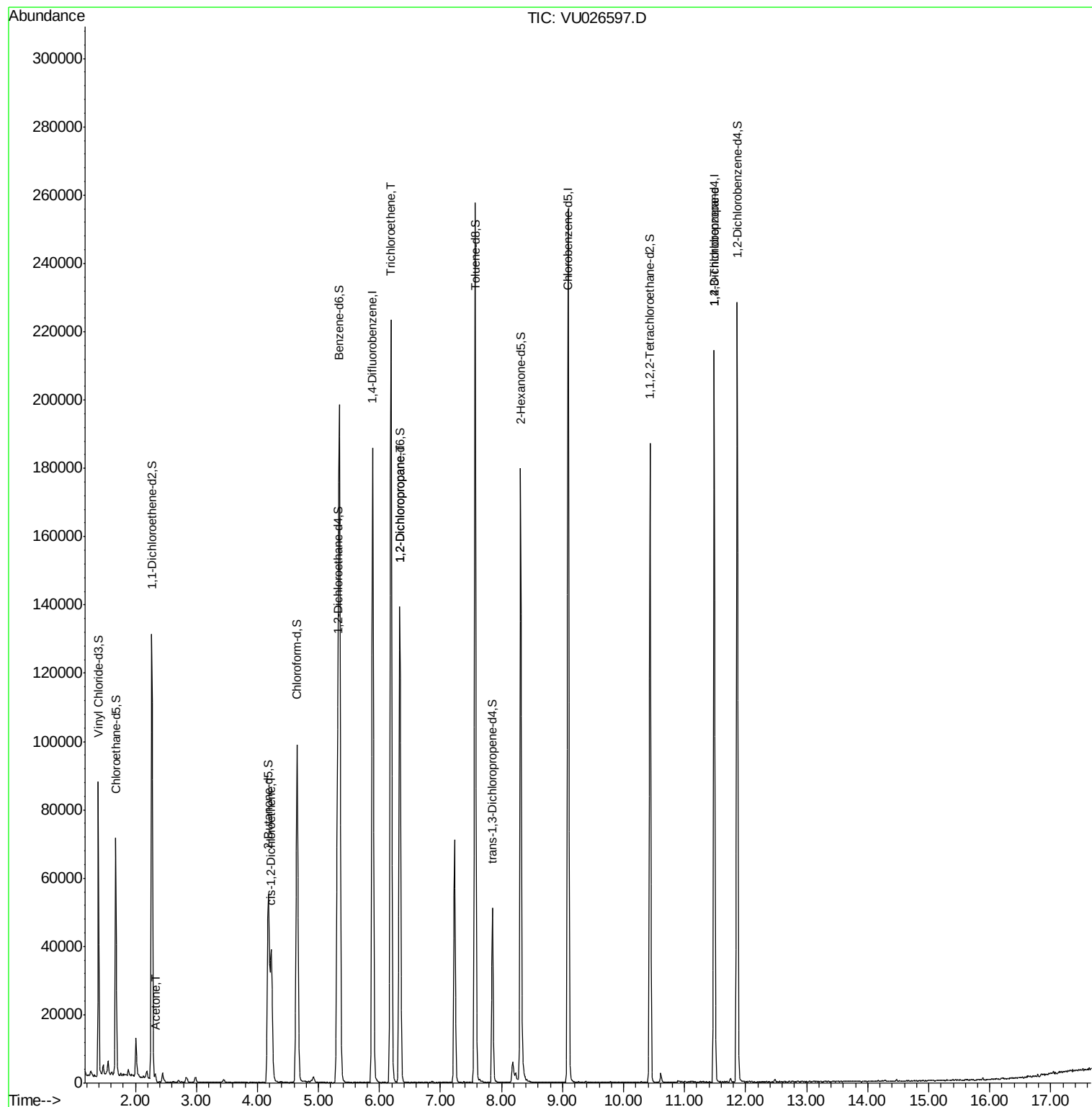
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                | 2.32  | 43 | 1678  | 2.613 ug/L   | 92     |
| 20) cis-1,2-Dichloroethene | 4.23  | 96 | 19360 | 17.356 ug/L  | 94     |
| 34) Trichloroethene        | 6.19  | 95 | 77215 | 75.522 ug/L  | 99     |
| 37) 1,2-Dichloropropane    | 6.33  | 63 | 7241  | 6.417 ug/L # | 88     |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 6591  | 4.681 ug/L   | 90     |

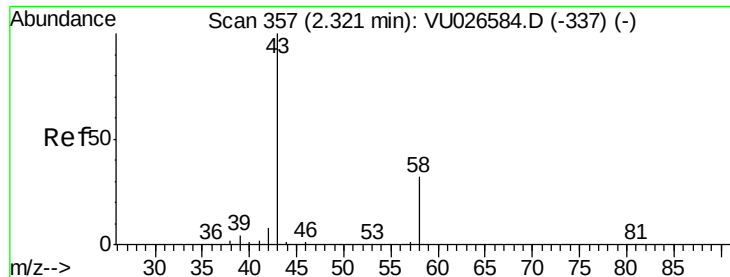
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Sep 07 05:26:58 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 2.613 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026597.D

Acq: 06 Sep 2018 23:08

Instrument :

MSVOA\_U

ClientSampleId :

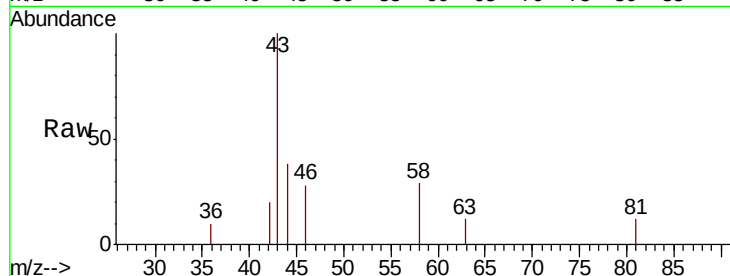
E5FB7

Tgt Ion: 43 Resp: 1678

Ion Ratio Lower Upper

43 100

58 26.0 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

1200

1000

800

600

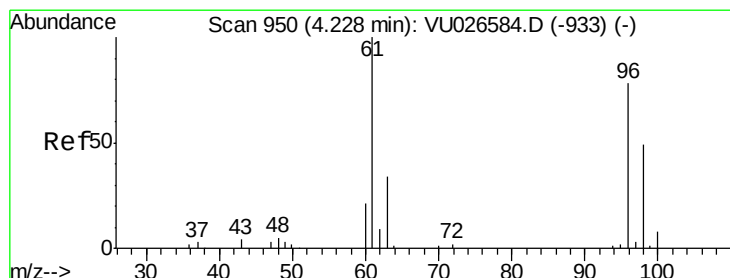
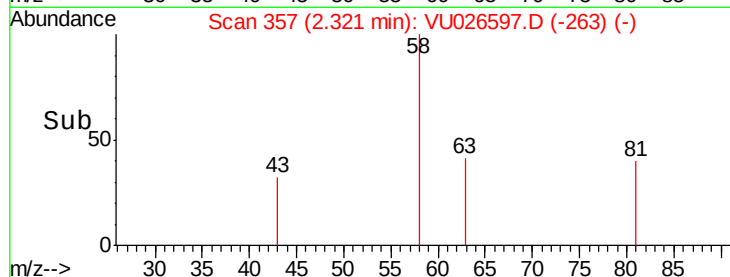
400

200

0

Time-->

2.28 2.30 2.32 2.34 2.36



#20

cis-1,2-Dichloroethene

Concen: 17.356 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026597.D

Acq: 06 Sep 2018 23:08

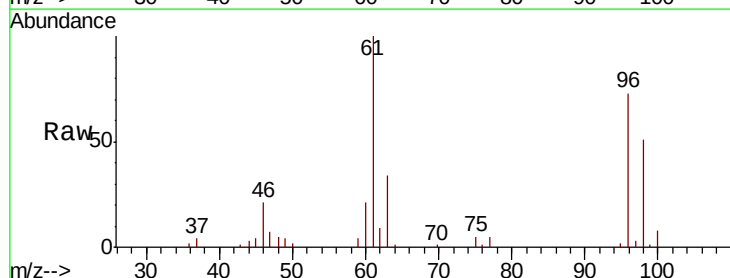
Tgt Ion: 96 Resp: 19360

Ion Ratio Lower Upper

96 100

61 137.6 91.6 170.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0

4.23

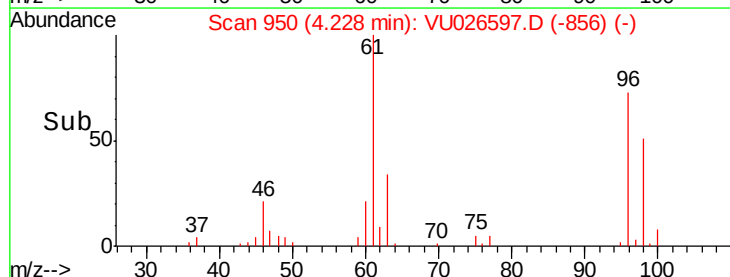
10000

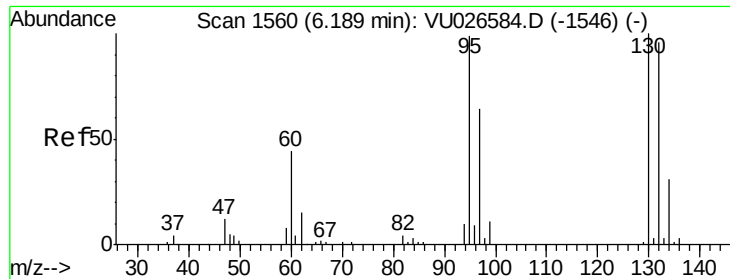
5000

0

Time-->

4.15 4.20 4.25 4.30





#34

Trichloroethene

Concen: 75.522 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026597.D

Acq: 06 Sep 2018 23:08

Instrument :

MSVOA\_U

ClientSampleId :

E5FB7

Tgt Ion: 95 Resp: 77215

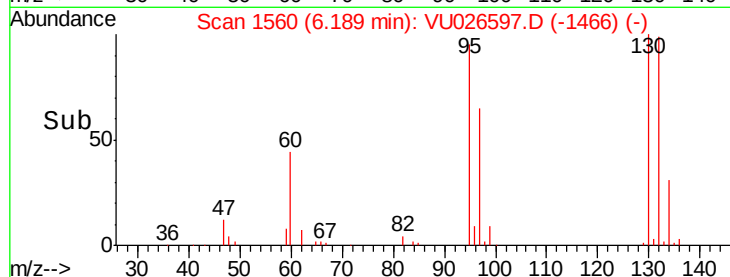
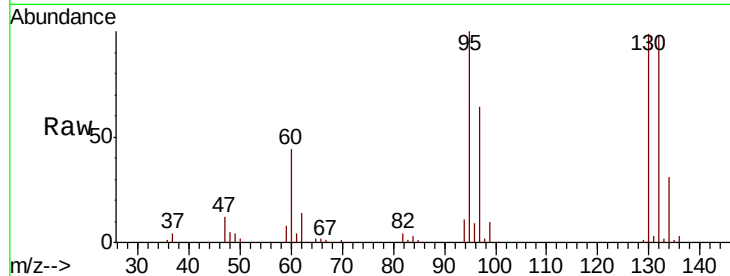
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.7

132 98.1 67.5 125.3

130 98.8 69.3 128.7



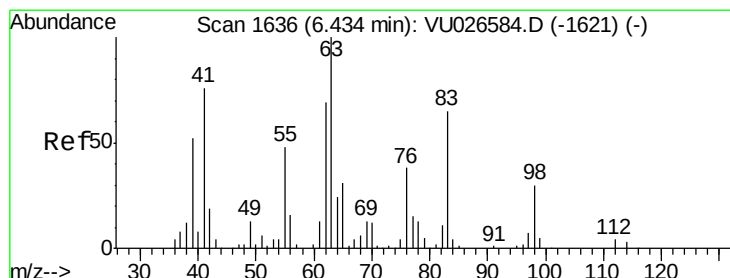
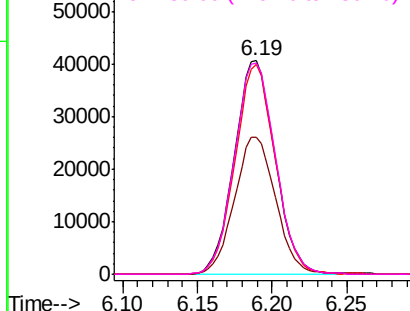
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 6.417 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026597.D

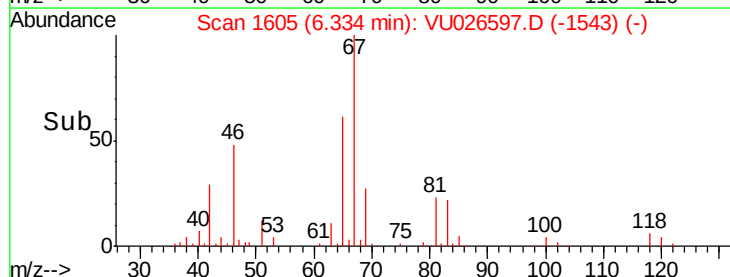
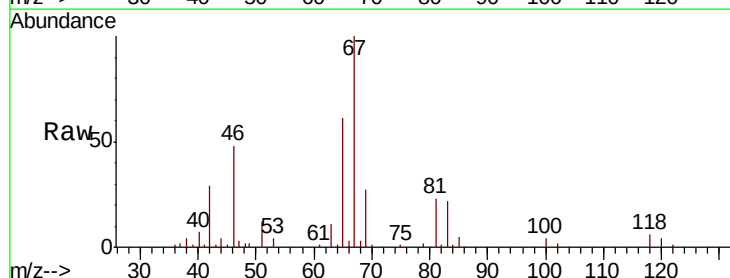
Acq: 06 Sep 2018 23:08

Tgt Ion: 63 Resp: 7241

Ion Ratio Lower Upper

63 100

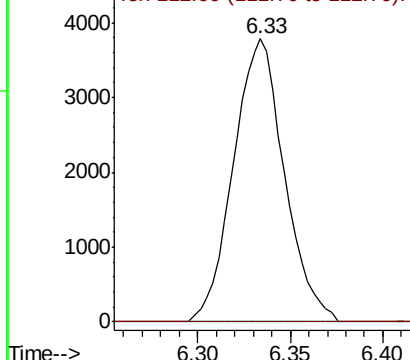
112 0.0 3.0 4.6#

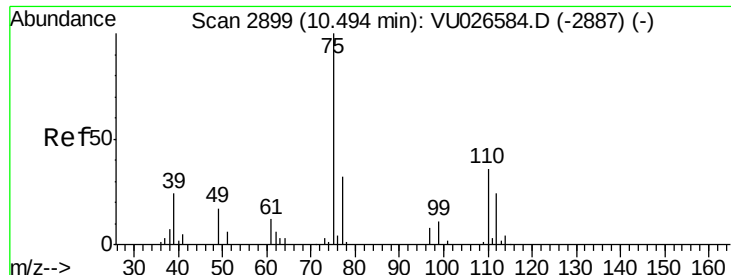


Abundance

Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#59  
 1,2,3-Trichloropropane  
 Concen: 4.681 ug/L  
 RT: 11.48 min Scan# 3207  
 Delta R.T. 0.99 min  
 Lab File: VU026597.D  
 Acq: 06 Sep 2018 23:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E5FB7

Tgt Ion: 75 Resp: 6591  
 Ion Ratio Lower Upper  
 75 100  
 77 36.6 25.0 37.6

