

Data File : VU033919.D  
Acq On : 22 Aug 2019 23:02  
Operator : JC/SP  
Sample : K4485-08  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F2B68

Quant Time: Aug 23 03:06:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Aug 23 02:53:44 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 574251   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 586100   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 244434   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 220715   | 43.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.66%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 186363   | 46.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.30%  |
| 11) 1,1-Dichloroethene-d2      | 2.25    | 63    | 329237   | 36.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.48%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 309133   | 91.22    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 91.22%  |
| 24) Chloroform-d               | 4.62    | 84    | 374291   | 45.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 265922   | 50.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.38% |
| 32) Benzene-d6                 | 5.32    | 84    | 805281   | 48.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.74%  |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 266733   | 49.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.74%  |
| 41) Toluene-d8                 | 7.55    | 98    | 694423   | 46.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.32%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 113817   | 45.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.30%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 163331   | 72.70    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 72.70%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 312558   | 40.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.26%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 253823   | 50.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.78% |

#### Target Compounds

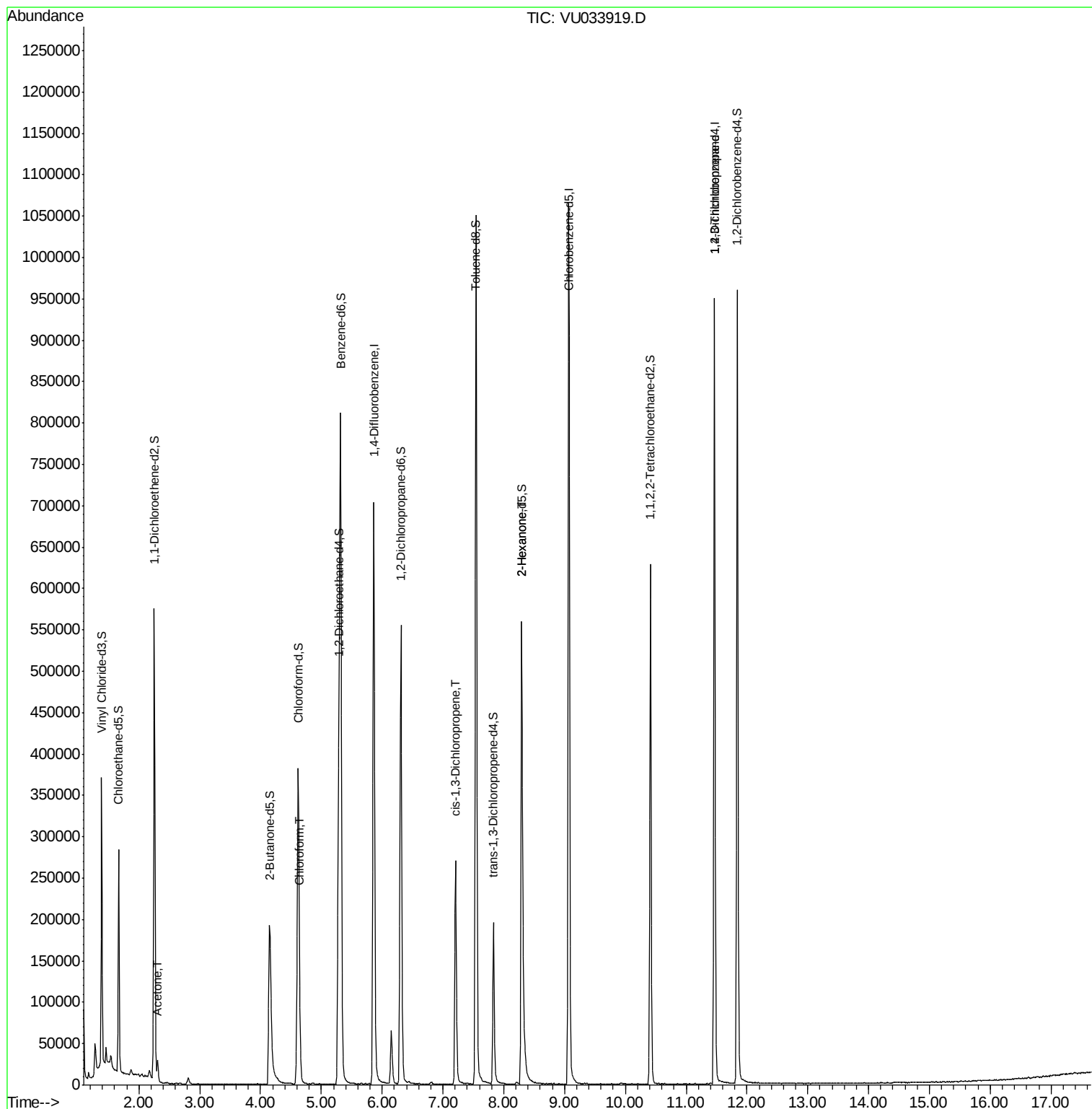
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 2.31  | 43 | 23734 | 7.668 ug/L   | 100    |
| 25) Chloroform              | 4.65  | 83 | 21487 | 2.617 ug/L   | 97     |
| 39) cis-1,3-Dichloropropene | 7.21  | 75 | 6704  | 0.930 ug/L # | 58     |
| 48) 2-Hexanone              | 8.30  | 43 | 30901 | 5.731 ug/L # | 86     |
| 59) 1,2,3-Trichloropropane  | 11.47 | 75 | 30633 | 4.944 ug/L   | 94     |

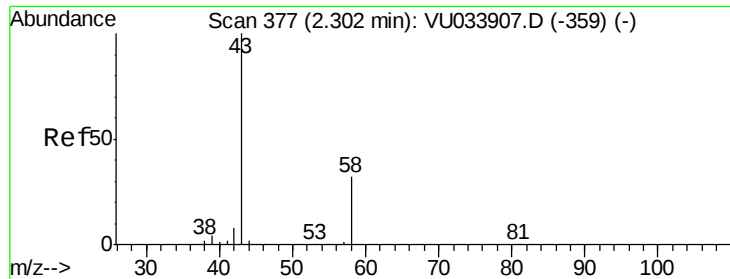
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.668 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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Acq: 22 Aug 2019 23:02

Instrument :

MSVOA\_U

ClientSampleId :

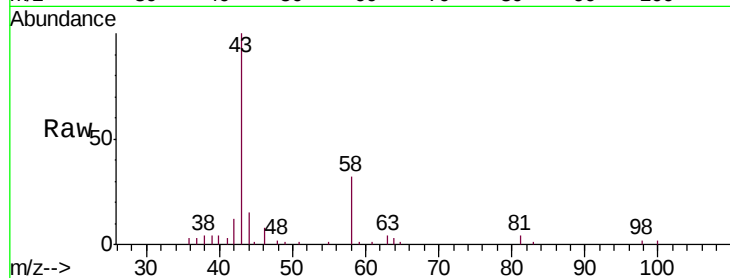
F2B68

Tgt Ion: 43 Resp: 23734

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.4



Abundance Ion 43.00 (42.70 to 43.70): VU033907.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU033907.D (-359) (-)

2.31

15000

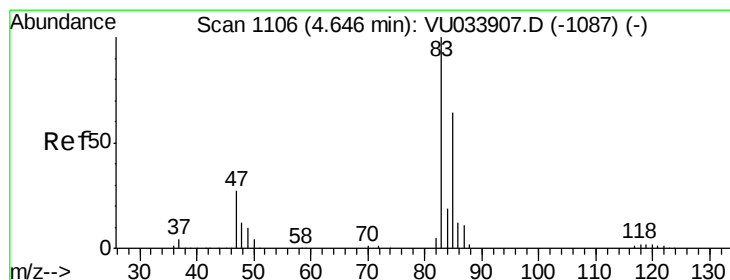
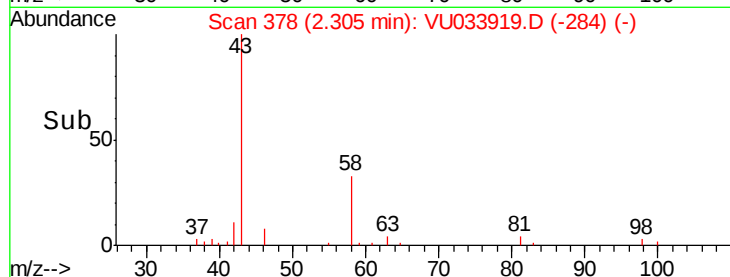
10000

5000

0

2.25 2.30 2.35 2.40

Time-->



#25

Chloroform

Concen: 2.617 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033919.D

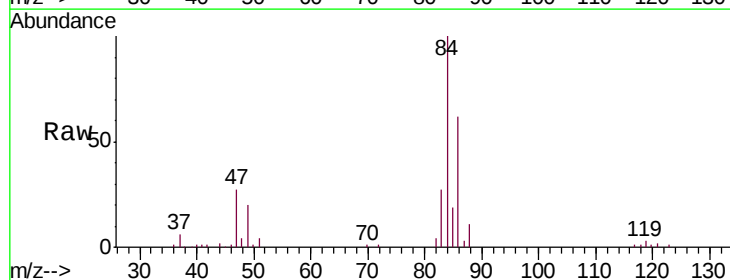
Acq: 22 Aug 2019 23:02

Tgt Ion: 83 Resp: 21487

Ion Ratio Lower Upper

83 100

85 68.4 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VU033907.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU033907.D (-1087) (-)

4.65

10000

8000

6000

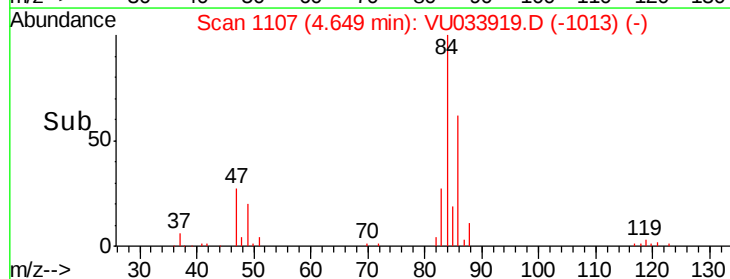
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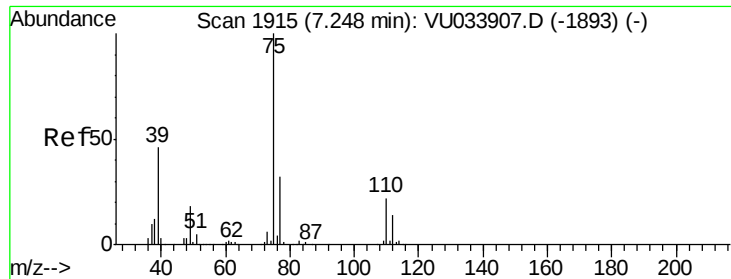
2000

0

4.55 4.60 4.65 4.70 4.75

Time-->

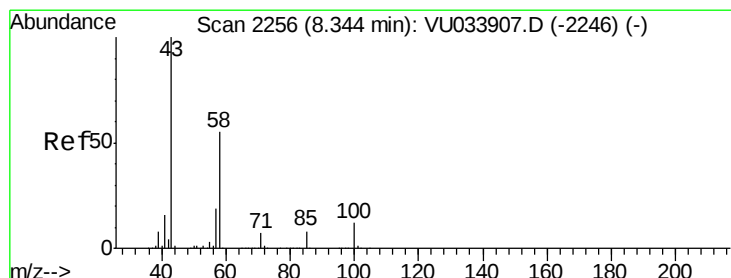
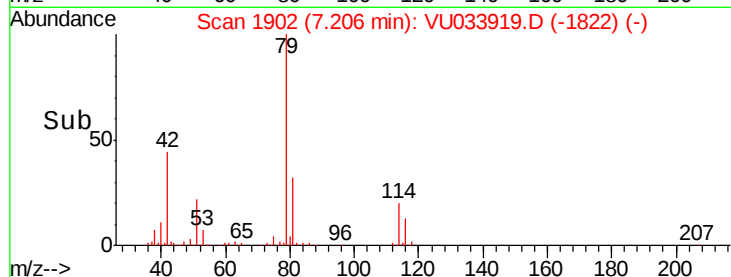
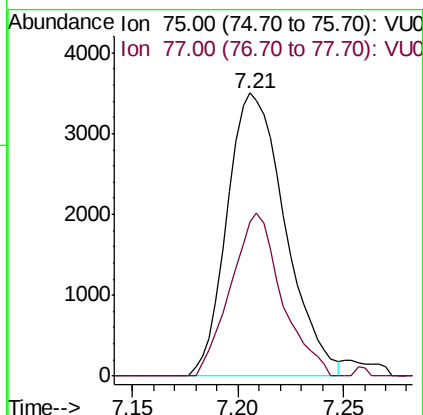
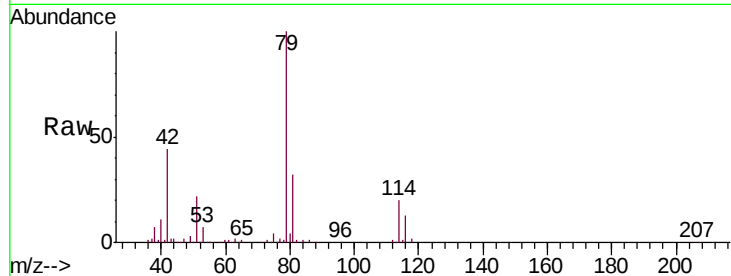




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.930 ug/L  
 RT: 7.21 min Scan# 1902  
 Delta R.T. -0.04 min  
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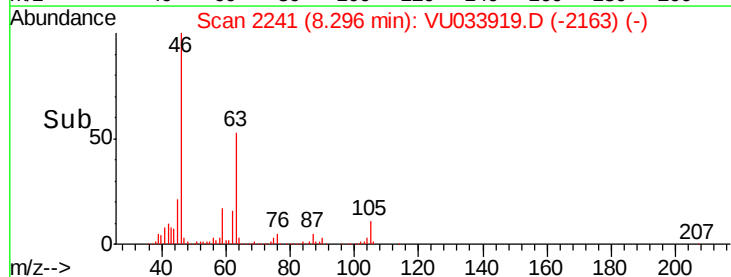
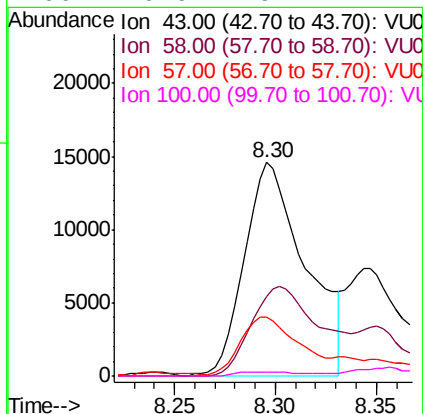
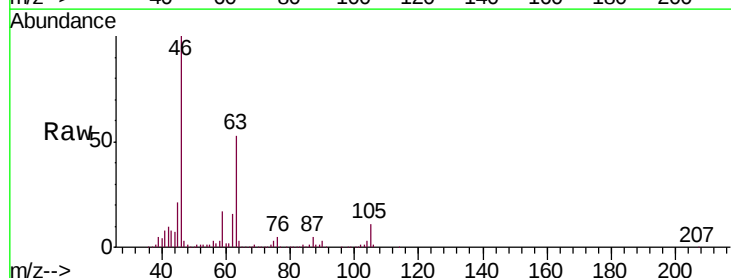
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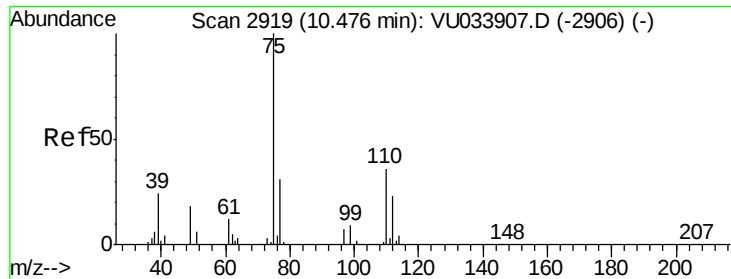
Tgt Ion: 75 Resp: 6704  
 Ion Ratio Lower Upper  
 75 100  
 77 54.4 21.8 40.4#



#48  
 2-Hexanone  
 Concen: 5.731 ug/L  
 RT: 8.30 min Scan# 2241  
 Delta R.T. -0.05 min  
 Lab File: VU033919.D  
 Acq: 22 Aug 2019 23:02

Tgt Ion: 43 Resp: 30901  
 Ion Ratio Lower Upper  
 43 100  
 58 47.7 44.3 66.5  
 57 25.4 15.3 22.9#  
 100 0.9 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 4.944 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033919.D

Acq: 22 Aug 2019 23:02

Instrument :

MSVOA\_U

ClientSampleId :

F2B68

Tgt Ion: 75 Resp: 30633

Ion Ratio Lower Upper

75 100

77 35.7 25.8 38.8

