

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040619\  
 Data File : VV010149.D  
 Acq On : 06 Apr 2019 13:25  
 Operator : SY/MD  
 Sample : K2259-15  
 Misc : 6.84G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETJ35

Quant Time: Apr 07 01:38:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Apr 07 00:49:32 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 285824   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 266843   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 110922   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 42670    | 11.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 44.60%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 56626    | 11.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 47.64%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 96584    | 10.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 40.04%# |
| 20) 2-Butanone-d5              | 3.94   | 46    | 44901    | 41.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.48%  |
| 24) Chloroform-d               | 4.40   | 84    | 155613   | 21.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.44%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 94169    | 23.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.48%  |
| 29) Benzene-d6                 | 5.10   | 84    | 295999   | 21.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.56%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 98060    | 24.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.04%  |
| 37) Toluene-d8                 | 7.36   | 98    | 269196   | 20.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 80.76%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 30951    | 17.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 70.92%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 33140    | 40.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.92%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 80880    | 20.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 80.32%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 97742    | 22.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.48%  |

## Target Compounds

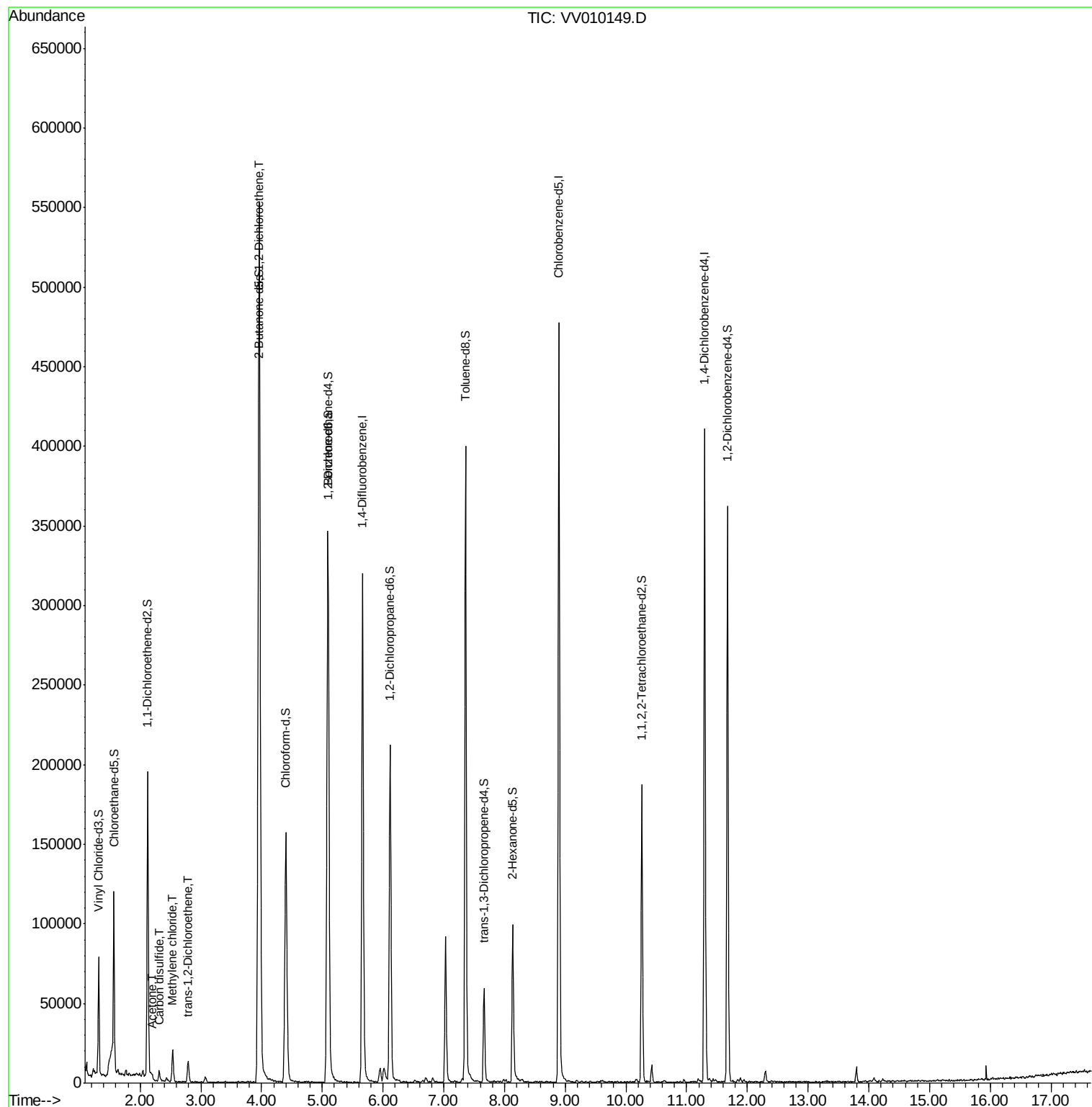
|                              |      |    |        |        | Ovalue  |
|------------------------------|------|----|--------|--------|---------|
| 13) Acetone                  | 2.20 | 43 | 3740   | 3.474  | ug/L 86 |
| 14) Carbon disulfide         | 2.31 | 76 | 7634   | 0.941  | ug/L 99 |
| 16) Methylene chloride       | 2.53 | 84 | 8360   | 1.665  | ug/L 97 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 5393   | 1.580  | ug/L 84 |
| 22) cis-1,2-Dichloroethene   | 3.96 | 96 | 307637 | 81.172 | ug/L 99 |

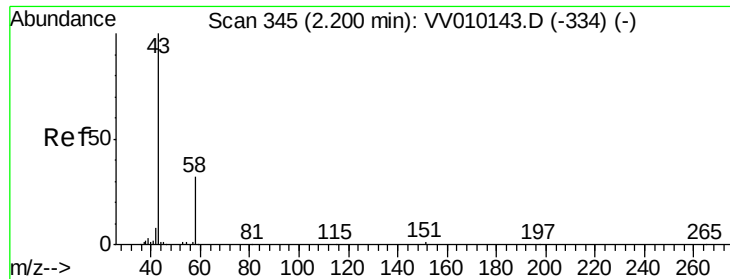
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
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Response via : Initial Calibration





#13

Acetone

Concen: 3.474 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV010149.D

Acq: 06 Apr 2019 13:25

Instrument :

MSVOA\_V

ClientSampleId :

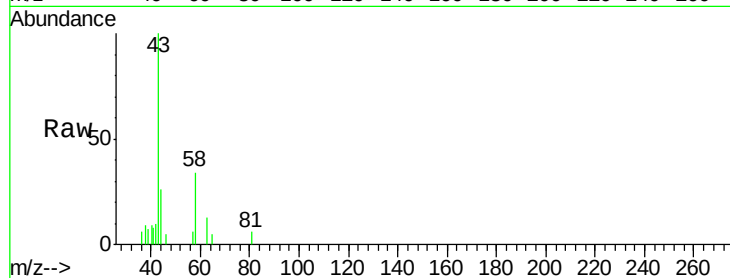
ETJ35

Tot Ion: 43 Resp: 3740

Ion Ratio Lower Upper

43 100

58 40.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010143.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV010143.D (-334) (-)

2.20

2500

2000

1500

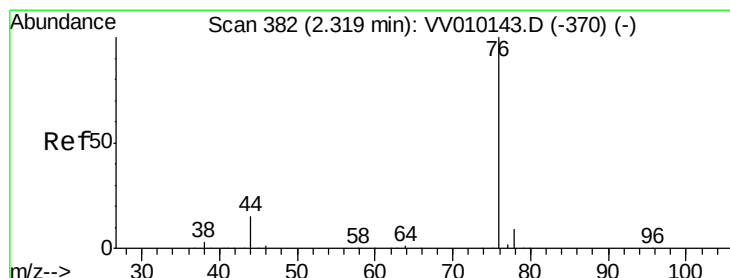
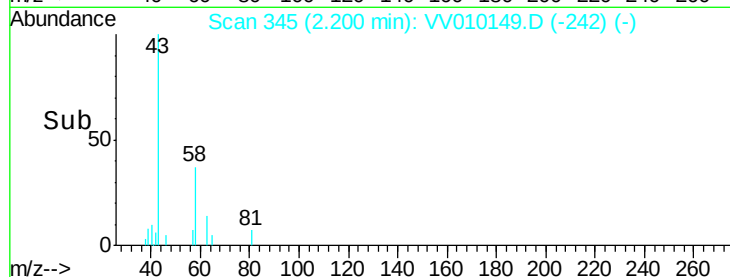
1000

500

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.941 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010149.D

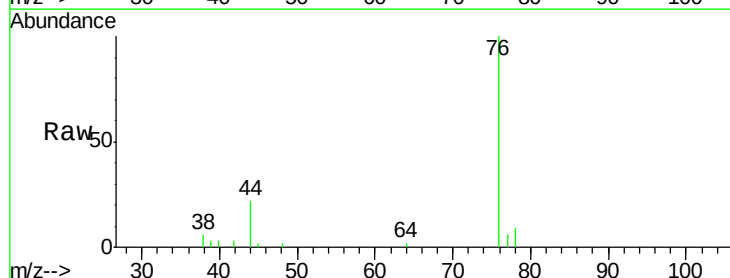
Acq: 06 Apr 2019 13:25

Tgt Ion: 76 Resp: 7634

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV010143.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV010143.D (-370) (-)

2.31

6000

5000

4000

3000

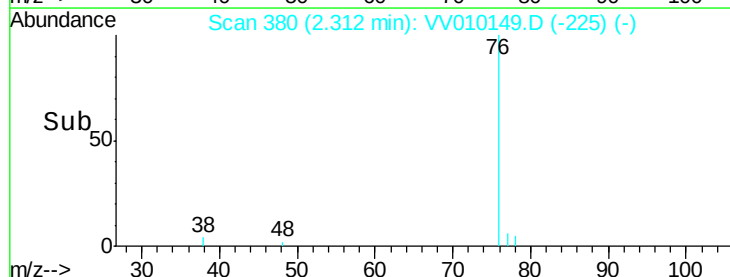
2000

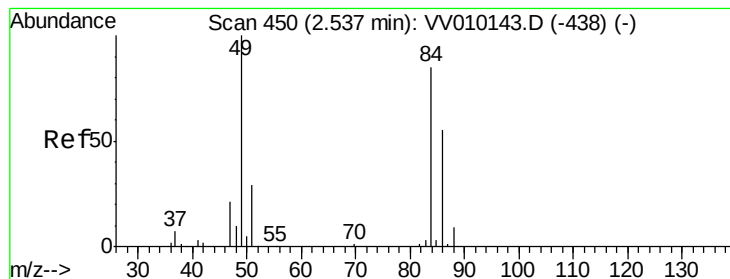
1000

0

Time-->

2.30 2.31 2.32 2.33 2.34 2.35





#16

Methylene chloride

Concen: 1.665 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010149.D

Acq: 06 Apr 2019 13:25

Instrument :

MSVOA\_V

ClientSampleId :

ETJ35

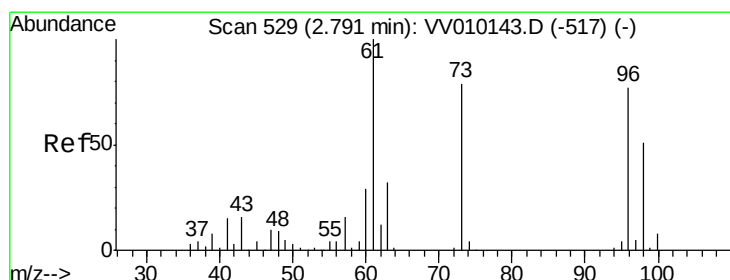
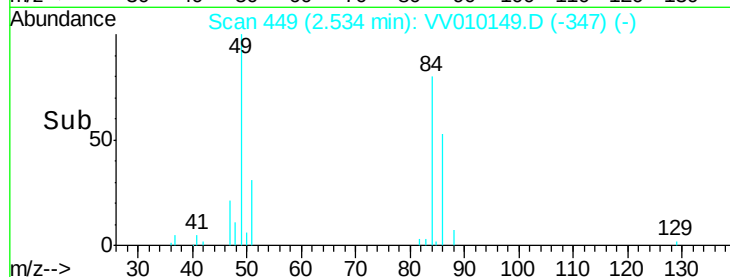
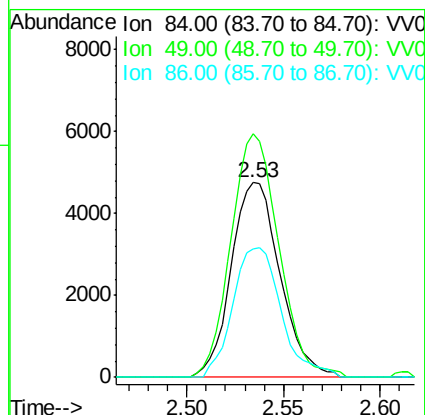
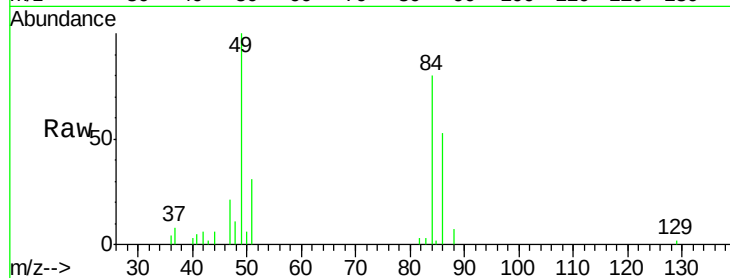
Tot Ion: 84 Resp: 8360

Ion Ratio Lower Upper

84 100

49 125.1 84.3 156.5

86 66.3 45.4 84.2



#18

trans-1,2-Dichloroethene

Concen: 1.580 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV010149.D

Acq: 06 Apr 2019 13:25

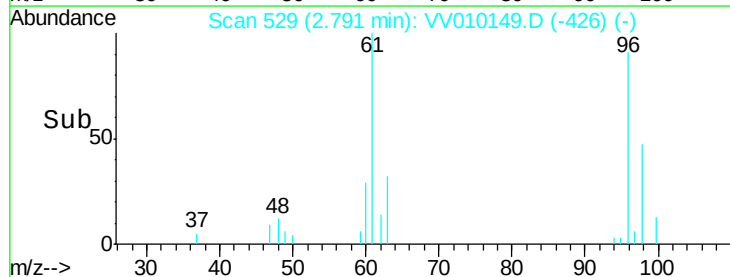
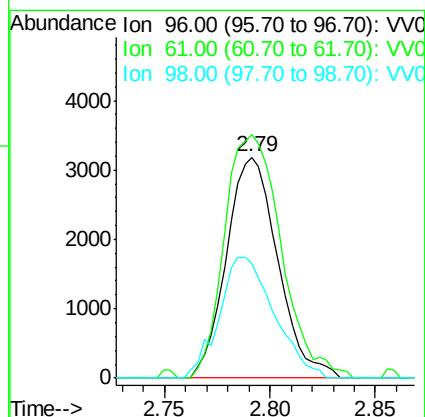
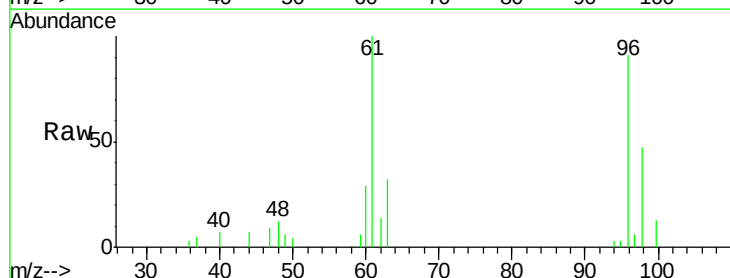
Tgt Ion: 96 Resp: 5393

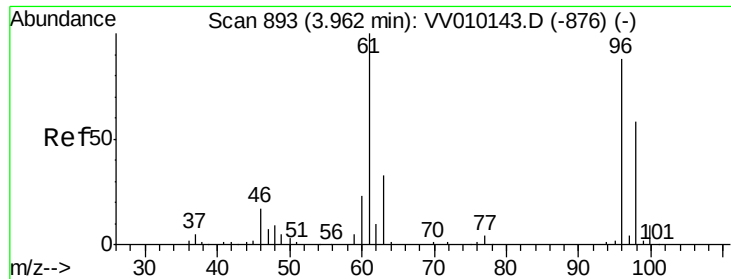
Ion Ratio Lower Upper

96 100

61 110.2 90.0 167.2

98 51.5 44.2 82.2





#22

cis-1,2-Dichloroethene  
 Concen: 81.172 ug/L  
 RT: 3.96 min Scan# 893  
 Delta R.T. 0.00 min  
 Lab File: VV010149.D  
 Acq: 06 Apr 2019 13:25

Instrument :  
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 ClientSampleId :  
 ETJ35

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   |       |       |       |
| 61      | 118.2 | 82.7  | 153.5 |       |
| 98      | 65.7  | 43.9  | 81.5  |       |

