

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072718\  
 Data File : VV006731.D  
 Acq On : 27 Jul 2018 17:21  
 Operator : SY/MD  
 Sample : J4209-09  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 28 02:29:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072318WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jul 28 02:24:46 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 187307   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 174716   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 70509    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 59832    | 6.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 122.80% |
| 7) Chloroethane-d5             | 1.58   | 69    | 48155    | 6.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 125.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 82772    | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 86.60%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 152579   | 50.09    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.18% |
| 24) Chloroform-d               | 4.40   | 84    | 103885   | 5.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 113.60% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 53754    | 6.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 120.60% |
| 32) Benzene-d6                 | 5.10   | 84    | 216985   | 6.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 120.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 71002    | 5.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 117.00% |
| 41) Toluene-d8                 | 7.36   | 98    | 177702   | 5.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 113.20% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 21350    | 5.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 107.80% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 112498   | 44.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.76%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 50298    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 62602    | 5.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 119.20% |

## Target Compounds

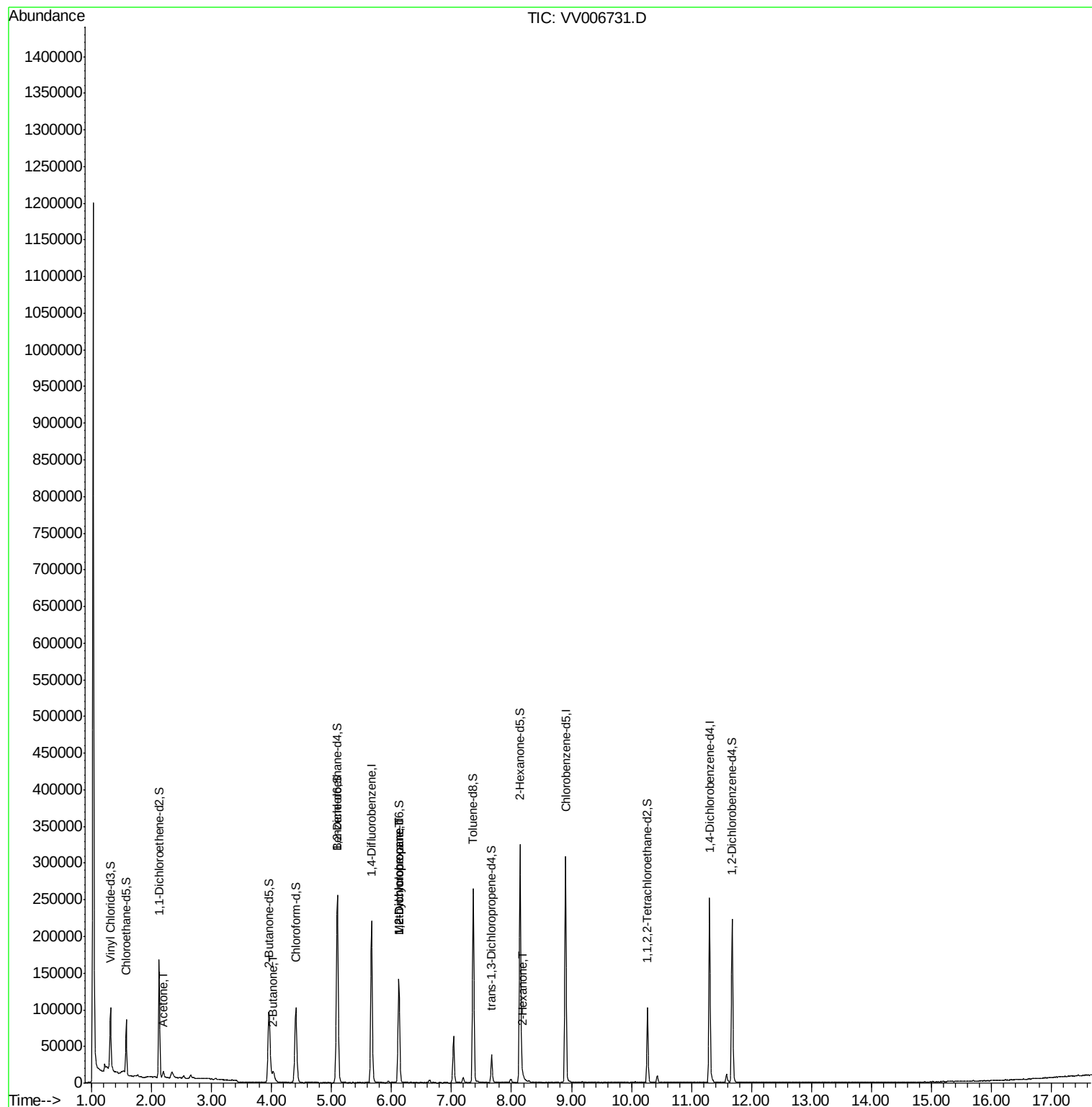
|                         |      |    |       |              | Ovalue |
|-------------------------|------|----|-------|--------------|--------|
| 13) Acetone             | 2.20 | 43 | 7749  | 3.999 ug/L   | 91     |
| 21) 2-Butanone          | 4.03 | 43 | 655   | 0.202 ug/L # | 47     |
| 35) Methylcyclohexane   | 6.12 | 83 | 16402 | 0.741 ug/L # | 17     |
| 37) 1,2-Dichloropropane | 6.12 | 63 | 7254  | 0.538 ug/L # | 86     |
| 48) 2-Hexanone          | 8.19 | 43 | 3462  | 0.669 ug/L # | 80     |

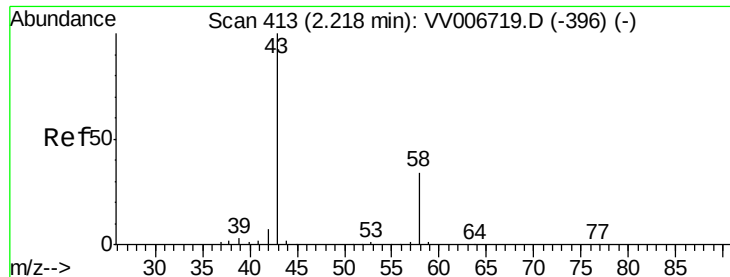
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.999 ug/L

RT: 2.20 min Scan# 407

Delta R.T. -0.02 min

Lab File: VV006731.D

Acq: 27 Jul 2018 17:21

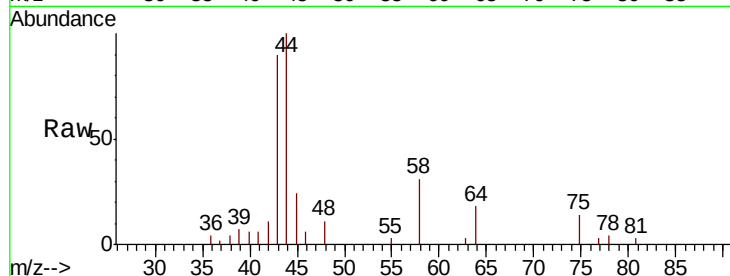
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 43 Resp: 7749

Ion Ratio Lower Upper

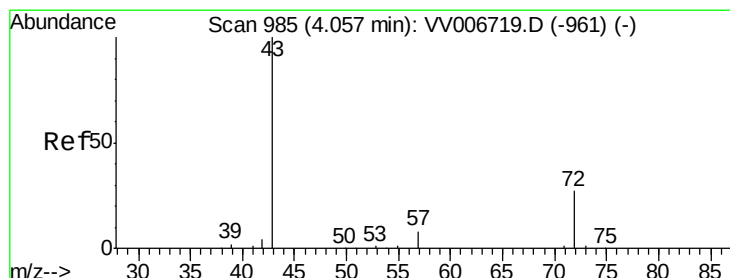
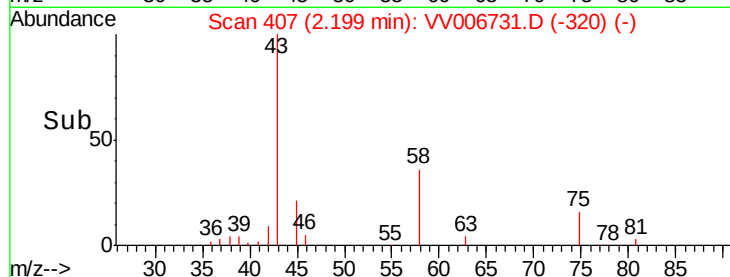
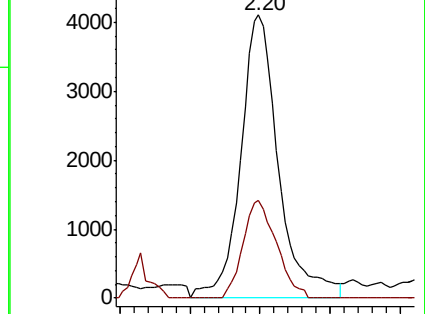
43 100

58 30.4 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#21

2-Butanone

Concen: 0.202 ug/L

RT: 4.03 min Scan# 978

Delta R.T. -0.02 min

Lab File: VV006731.D

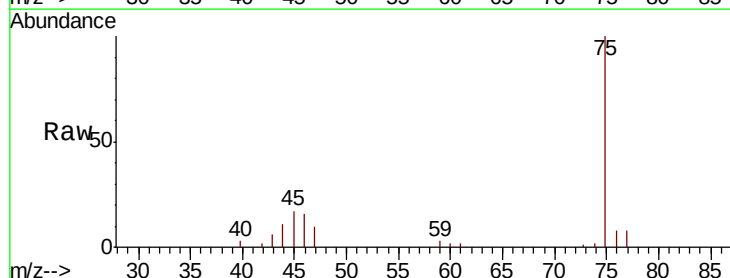
Acq: 27 Jul 2018 17:21

Tgt Ion: 43 Resp: 655

Ion Ratio Lower Upper

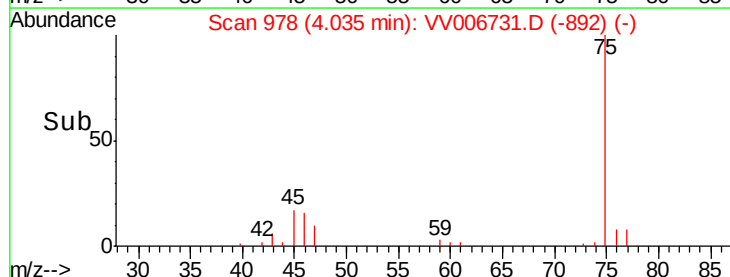
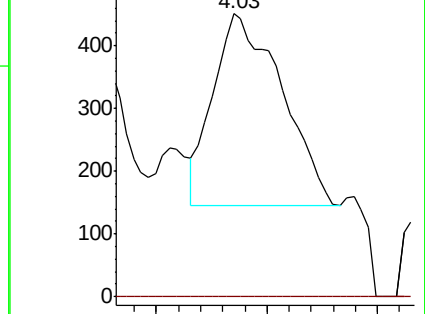
43 100

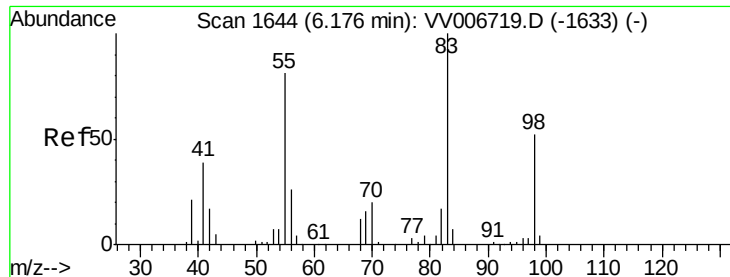
72 0.0 13.8 41.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0

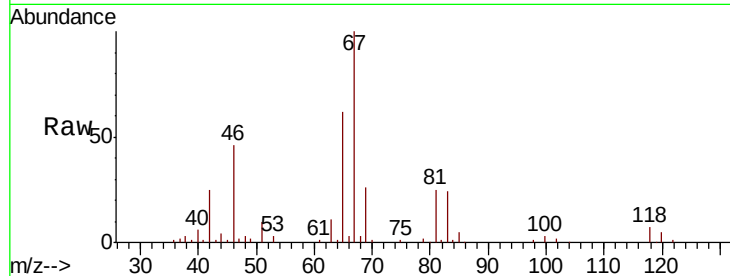




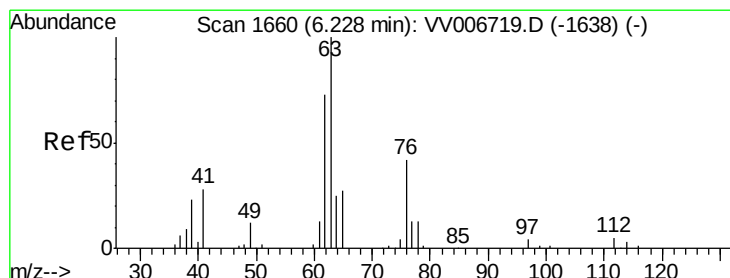
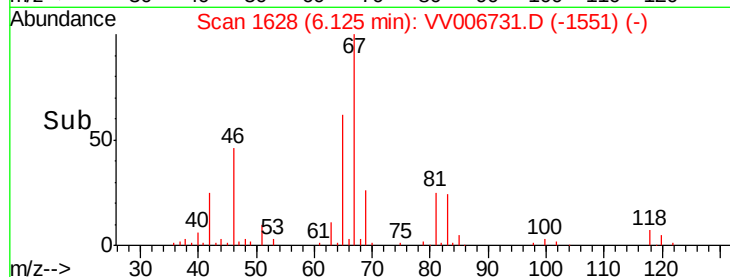
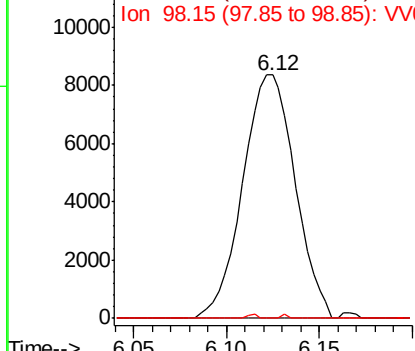
#35  
Methvlcvclohexane  
Concen: 0.741 ug/L  
RT: 6.12 min Scan# 1628  
Delta R.T. -0.05 min  
Lab File: VV006731.D  
Acq: 27 Jul 2018 17:21

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 83 Resp: 16402  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.9 92.9#  
98 0.2 39.7 59.5#

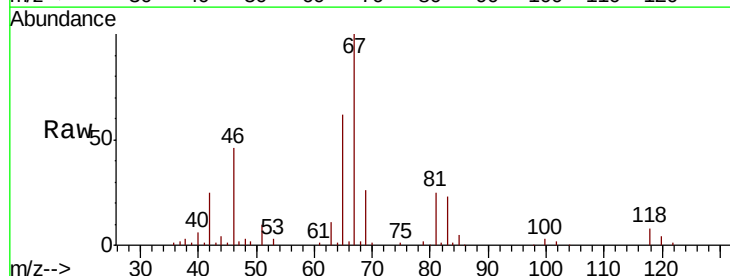


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

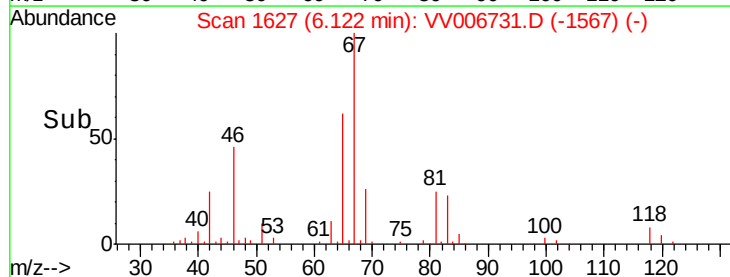
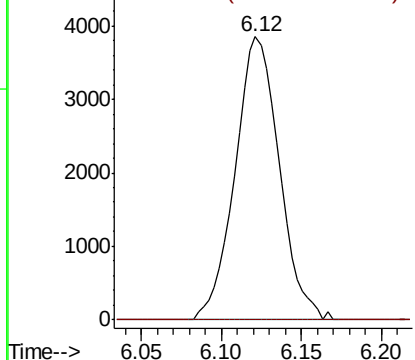


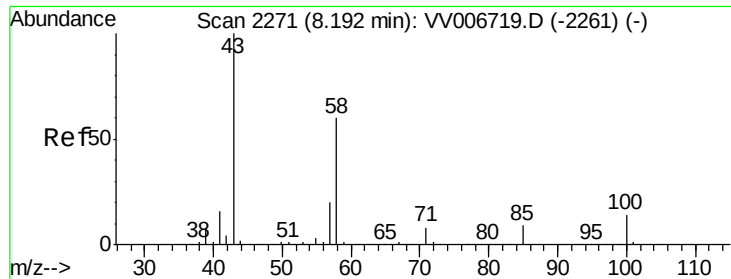
#37  
1,2-Dichloropropane  
Concen: 0.538 ug/L  
RT: 6.12 min Scan# 1627  
Delta R.T. -0.11 min  
Lab File: VV006731.D  
Acq: 27 Jul 2018 17:21

Tgt Ion: 63 Resp: 7254  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V





#48  
 2-Hexanone  
 Concen: 0.669 ug/L  
 RT: 8.19 min Scan# 2271  
 Delta R.T. -0.00 min  
 Lab File: VV006731.D  
 Acq: 27 Jul 2018 17:21

Instrument :  
 MSVOA\_V  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 3462  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 48.9  | 47.2  | 70.8  |
| 57       | 0.0   | 16.1  | 24.1# |
| 100      | 7.6   | 11.1  | 16.7# |

