

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101420\  
 Data File : VV018901.D  
 Acq On : 14 Oct 2020 18:20  
 Operator : SY/MD  
 Sample : L4382-06  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG400

Quant Time: Oct 15 03:22:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 15 02:07:27 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 256261   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 256672   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 120792   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 123989   | 58.78    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 117.56%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 97670    | 58.44    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 116.88%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 180155   | 45.24    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.48%   |
| 21) 2-Butanone-d5              | 3.91    | 46    | 154136   | 104.83   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.83%  |
| 24) Chloroform-d               | 4.38    | 84    | 217821   | 57.47    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 114.94%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 150327   | 59.76    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 119.52%  |
| 32) Benzene-d6                 | 5.07    | 84    | 443516   | 59.19    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 118.38%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 141357   | 59.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 118.00%  |
| 41) Toluene-d8                 | 7.34    | 98    | 387105   | 57.59    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 115.18%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 66455    | 56.75    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 113.50%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 84395    | 94.83    | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.83%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 142948   | 50.91    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.82%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 154516   | 62.87    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 125.74%# |

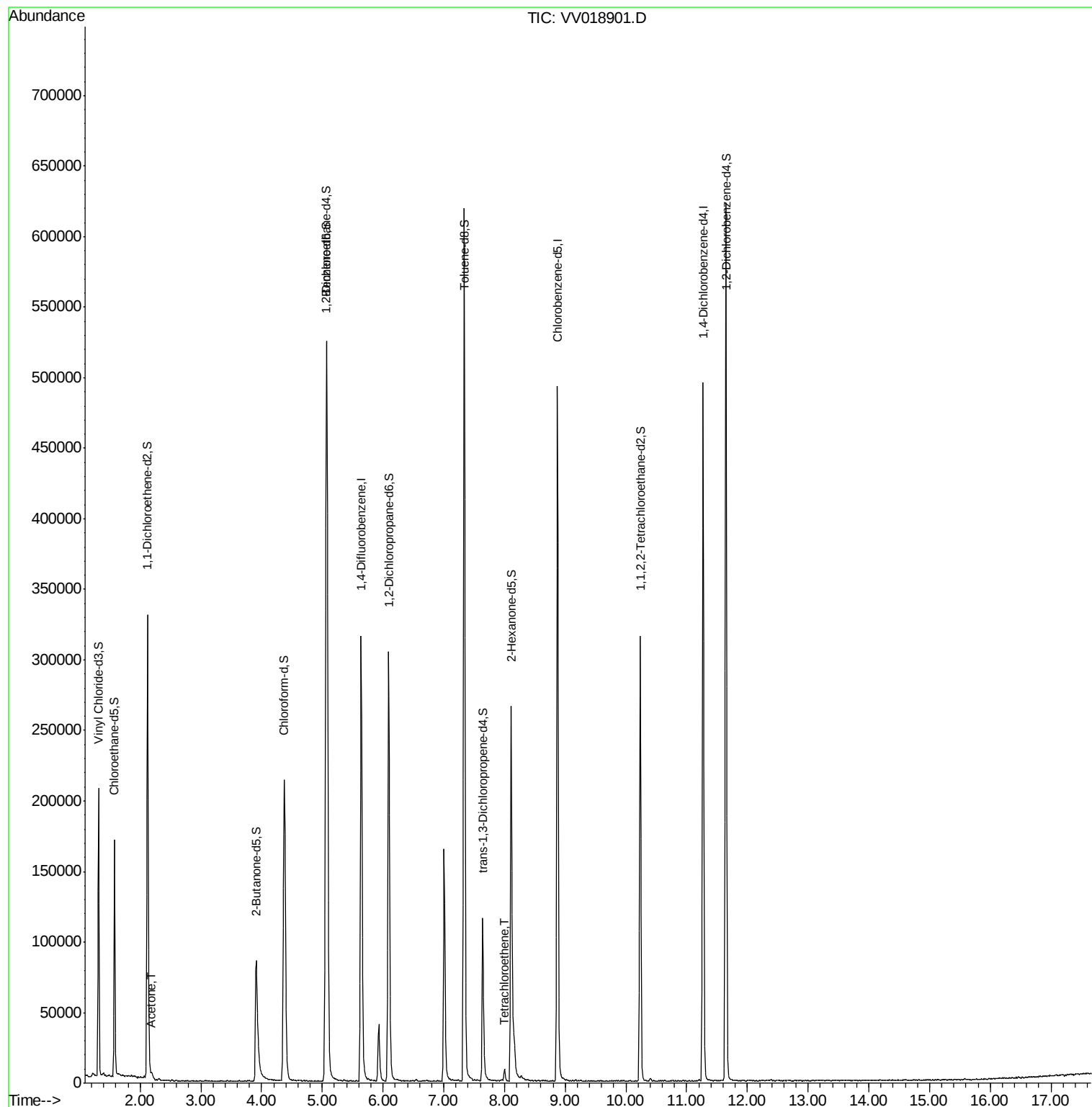
| Target Compounds      |      |     |      |            | Ovalue |
|-----------------------|------|-----|------|------------|--------|
| 13) Acetone           | 2.19 | 43  | 5491 | 5.111 ug/L | 94     |
| 46) Tetrachloroethene | 8.00 | 164 | 1841 | 1.151 ug/L | 98     |

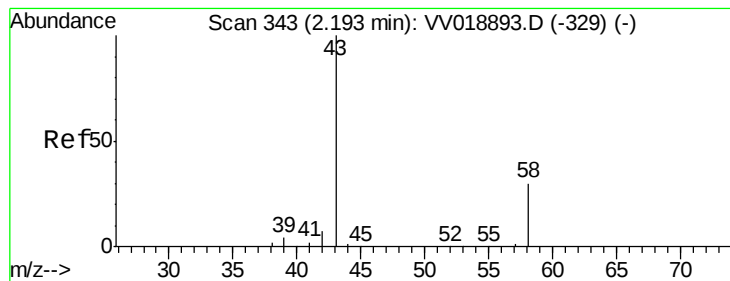
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101420\  
Data File : VV018901.D  
Acq On : 14 Oct 2020 18:20  
Operator : SY/MD  
Sample : L4382-06  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG400

Quant Time: Oct 15 03:22:16 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 15 02:07:27 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 5.111 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV018901.D

Acq: 14 Oct 2020 18:20

Instrument :

MSVOA\_V

ClientSampled :

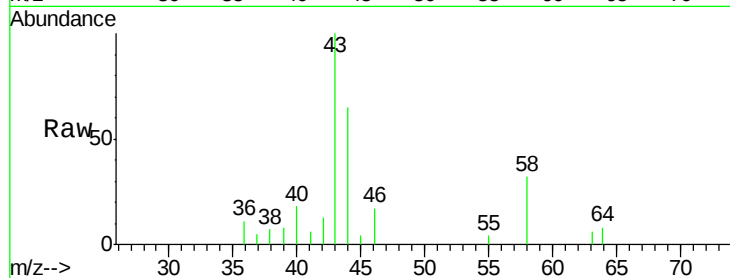
BG400

Tot Ion: 43 Resp: 5491

Ion Ratio Lower Upper

43 100

58 32.5 0.0 58.8



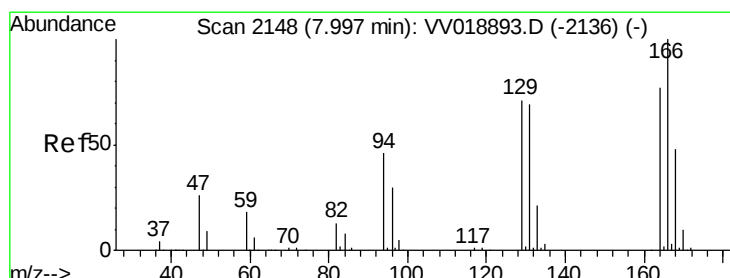
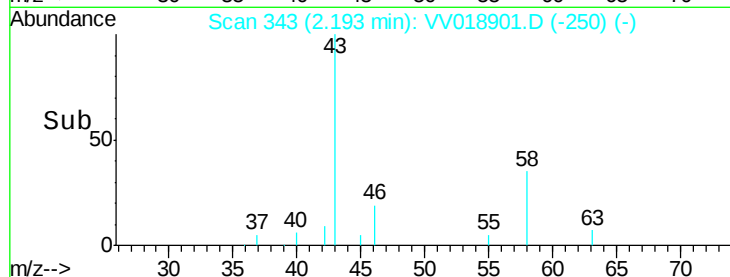
Abundance Ion 43.00 (42.70 to 43.70): VV018893.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV018893.D (-329) (-)

2.19

2.15 2.20 2.25

Time-->



#46

Tetrachloroethene

Concen: 1.151 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018901.D

Acq: 14 Oct 2020 18:20

Tgt Ion: 164 Resp: 1841

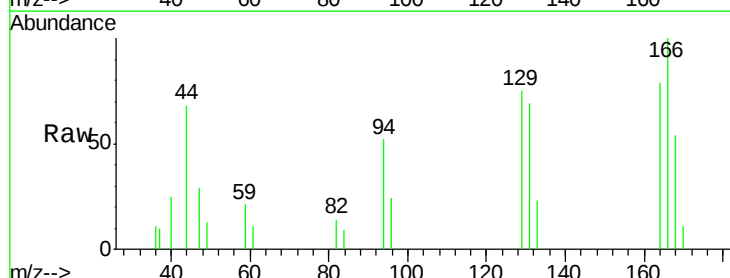
Ion Ratio Lower Upper

164 100

129 94.7 65.0 120.8

131 88.1 62.9 116.7

166 126.9 91.1 169.3



Abundance Ion 164.00 (163.70 to 164.70): VV018893.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV018893.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV018893.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV018893.D (-2136) (-)

8.00

7.95 8.00 8.05

Time-->

