

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121219\  
 Data File : VV014031.D  
 Acq On : 12 Dec 2019 13:33  
 Operator : SY/MD  
 Sample : K6238-07  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK02

Quant Time: Dec 13 06:55:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 13 06:14:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 709256   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 664441   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 256981   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 191642   | 46.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.44%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 194019   | 45.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.62%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 274374   | 30.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.50%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 288288   | 99.85    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 99.85%  |
| 24) Chloroform-d               | 4.39    | 84    | 437950   | 50.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.68% |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 288180   | 52.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.58% |
| 32) Benzene-d6                 | 5.09    | 84    | 858231   | 49.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.70%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 277798   | 53.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 107.50% |
| 41) Toluene-d8                 | 7.35    | 98    | 694741   | 44.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.52%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 109751   | 43.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.28%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 138752   | 71.90    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 71.90%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 302612   | 40.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 80.88%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 263178   | 52.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.28% |

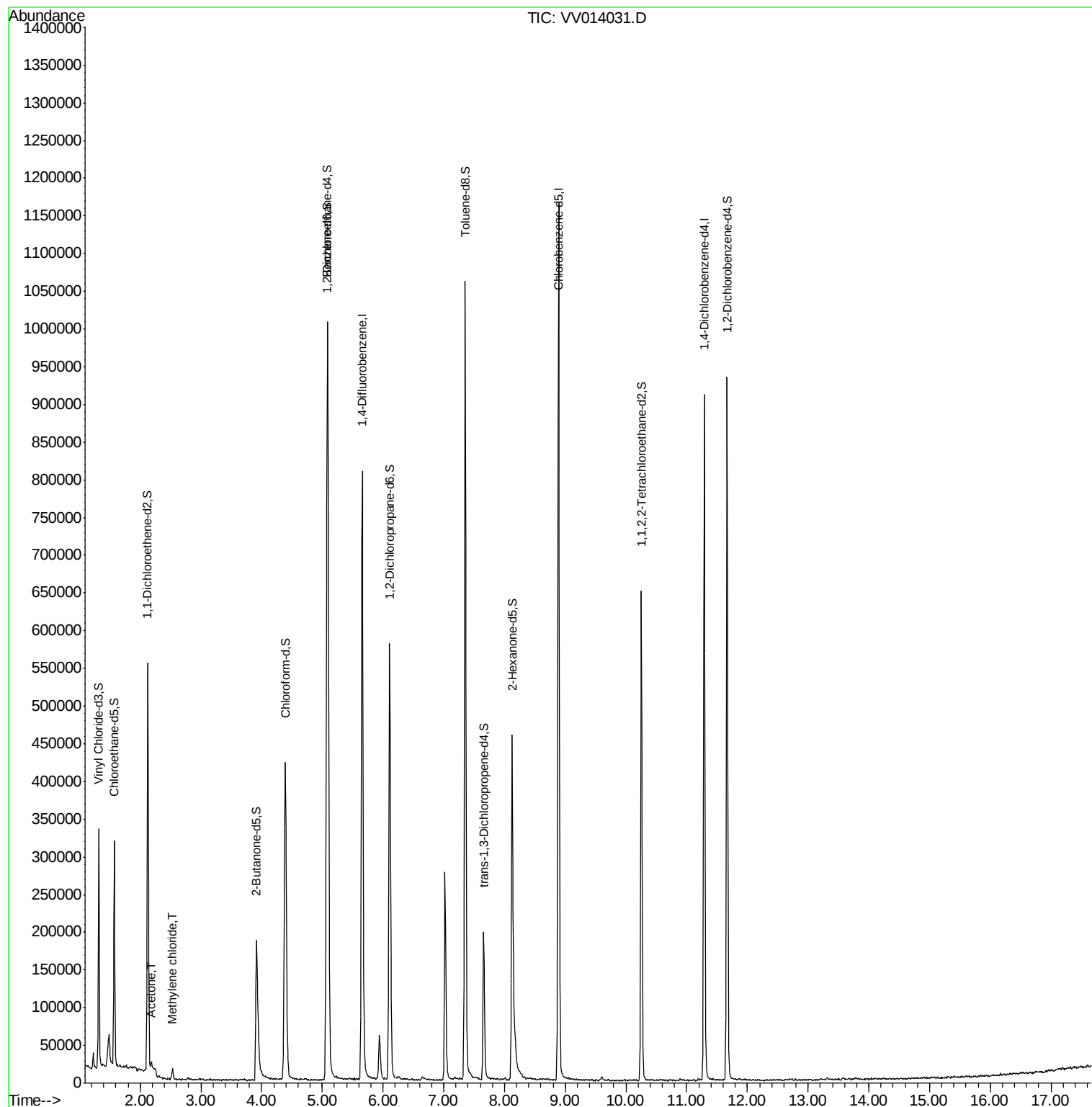
| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.18 | 43 | 7123 | 1.684 ug/L | 96     |
| 16) Methylene chloride | 2.53 | 84 | 5481 | 1.021 ug/L | 97     |

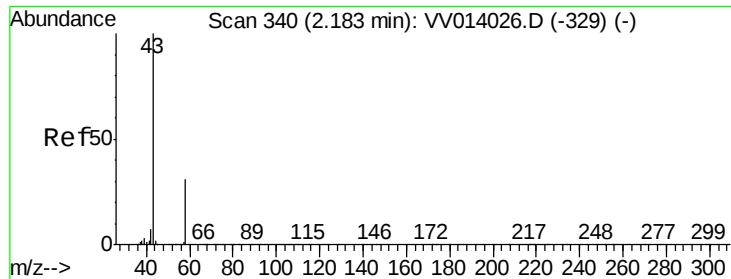
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Dec 13 06:14:07 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 1.684 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV014031.D

Acq: 12 Dec 2019 13:33

Instrument :

MSVOA\_V

ClientSampleId :

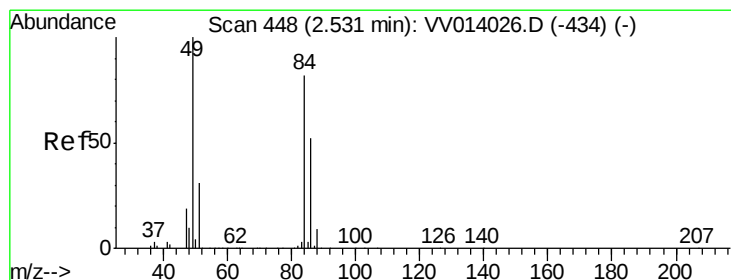
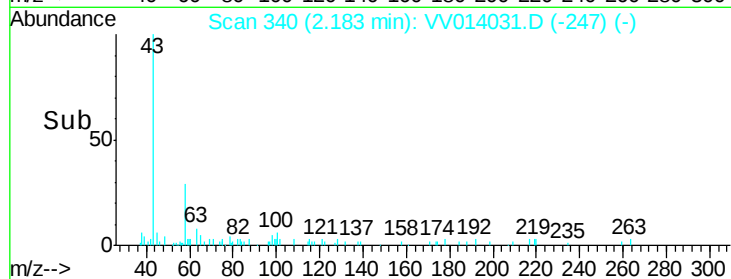
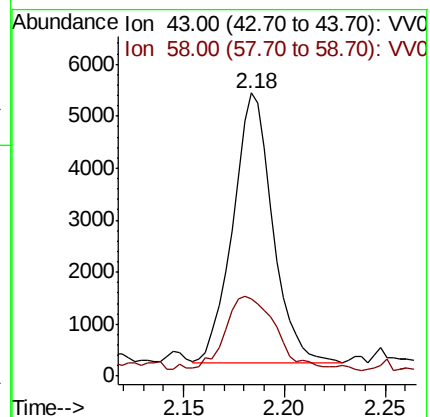
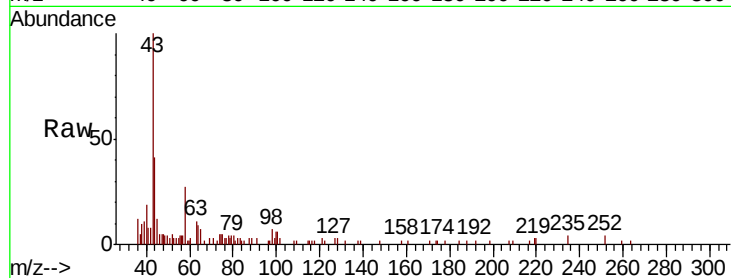
VHBLK02

Tot Ion: 43 Resp: 7123

Ion Ratio Lower Upper

43 100

58 32.8 0.0 60.8



#16

Methylene chloride

Concen: 1.021 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV014031.D

Acq: 12 Dec 2019 13:33

Tgt Ion: 84 Resp: 5481

Ion Ratio Lower Upper

84 100

86 62.6 43.9 81.5

49 118.3 79.7 147.9

