

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV121019\  
 Data File : VW014292.D  
 Acq On : 10 Dec 2019 19:48  
 Operator : SY/VA  
 Sample : K6172-17  
 Misc : 4.08G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0C15

Manual Integrations  
 APPROVED

MMDadoda  
 12/11/2019 12:55:37 PM

Quant Time: Dec 11 05:45:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 11 04:05:19 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 955734   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 703341   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 172340   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 350338   | 24.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.84%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 286741   | 26.65    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.60%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 449647   | 17.59    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.36%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 155926   | 41.34    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.68%   |
| 24) Chloroform-d               | 7.64   | 84    | 632015   | 25.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.88%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 315103   | 24.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.80%   |
| 29) Benzene-d6                 | 8.27   | 84    | 1318165  | 31.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 127.92%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 419094   | 33.05    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 132.20%# |
| 37) Toluene-d8                 | 10.32  | 98    | 1014299  | 27.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 108.84%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 105363   | 19.80    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 79.20%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 108386   | 42.98    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.96%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 257937   | 24.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 99.84%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 204123   | 31.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 124.00%# |

| Target Compounds |      |    |        |             | Ovalue |
|------------------|------|----|--------|-------------|--------|
| 13) Acetone      | 4.12 | 43 | 53303  | 14.659 ug/L | 97     |
| 21) 2-Butanone   | 7.18 | 43 | 23524m | 4.819 ug/L  |        |

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

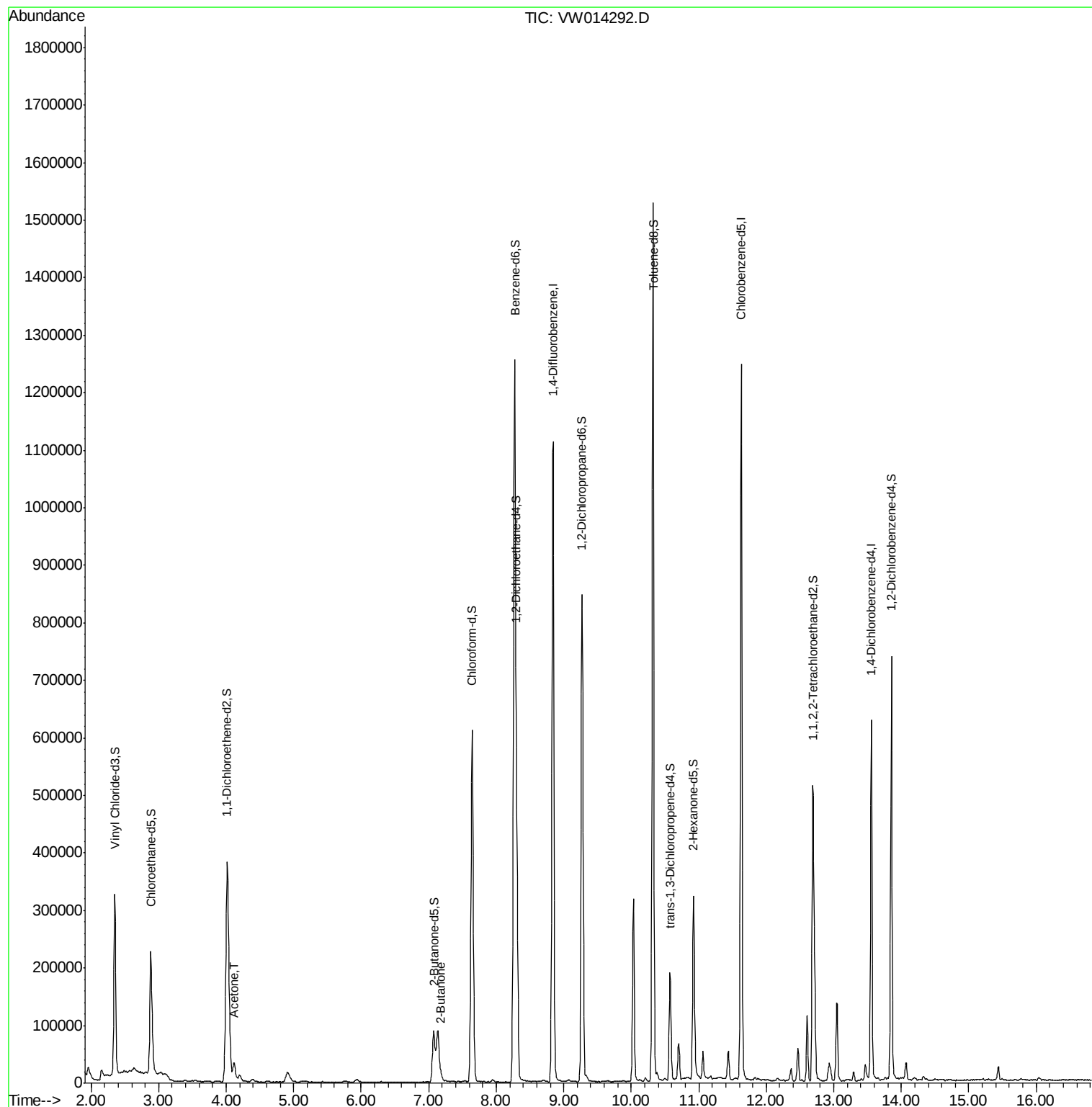
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121019\  
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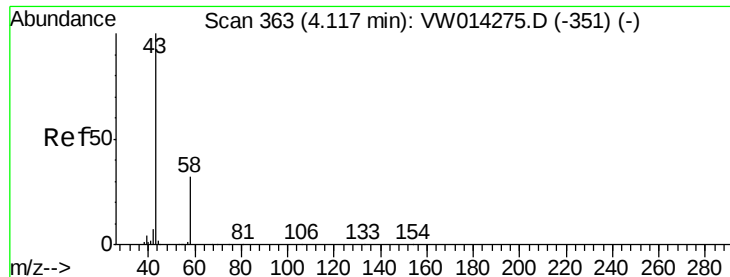
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Quant Title : VOC Analysis  
QLast Update : Wed Dec 11 04:05:19 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 14.659 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014292.D

Acq: 10 Dec 2019 19:48

Instrument :

MSVOA\_W

ClientSampleId :

C0C15

Tot Ion: 43 Resp: 53303

Ion Ratio Lower Upper

43 100

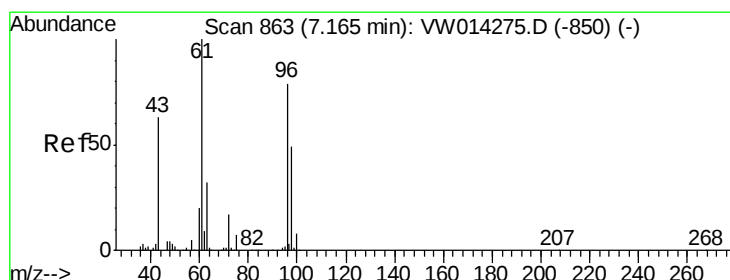
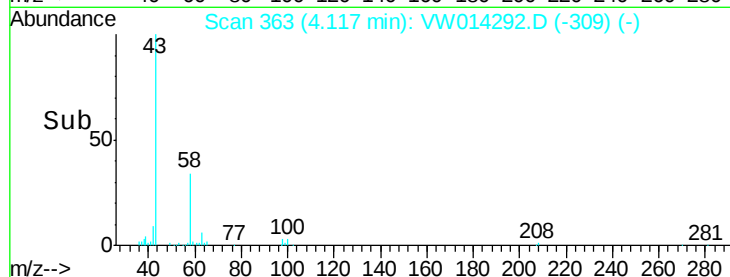
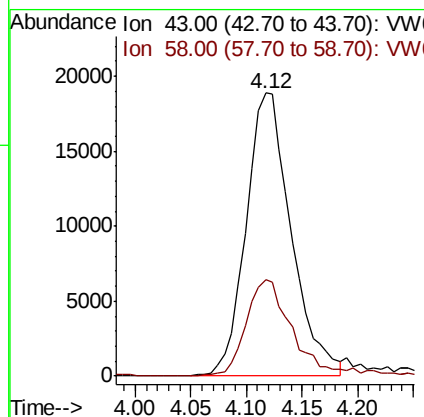
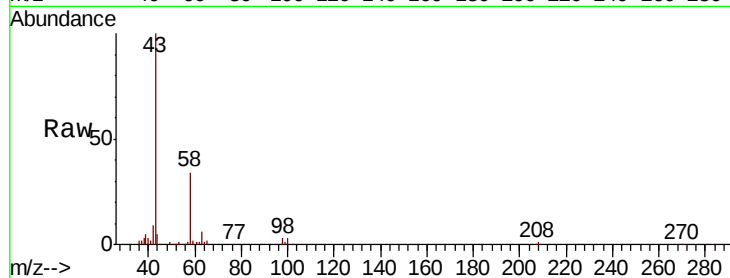
58 31.3 0.0 65.4

Manual Integrations

APPROVED

MMDadoda

12/11/2019 12:55:37 PM



#21

2-Butanone

Concen: 4.819 ug/L m

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014292.D

Acq: 10 Dec 2019 19:48

Tgt Ion: 43 Resp: 23524

Ion Ratio Lower Upper

43 100

72 1.2 14.1 42.2#

