

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121619\  
 Data File : VW014374.D  
 Acq On : 16 Dec 2019 17:34  
 Operator : SY/VA  
 Sample : K6277-08  
 Misc : 3.57G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0C68

Manual Integrations  
 APPROVED

MMDadoda  
 12/18/2019 12:59:24 PM

Quant Time: Dec 17 08:09:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 17 07:27:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 820712   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 565371   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 124349   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 256104   | 20.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.44%   |
| 7) Chloroethane-d5             | 2.88   | 69    | 238103   | 25.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.08%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 360496   | 16.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.68%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 195669   | 60.42    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 120.84%  |
| 24) Chloroform-d               | 7.64   | 84    | 605175   | 28.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 115.84%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 308807m  | 28.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.76%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1199621  | 36.20    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 144.80%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 405135   | 39.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 158.96%# |
| 37) Toluene-d8                 | 10.32  | 98    | 917250   | 30.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 122.44%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 95409    | 22.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.24%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 134864   | 66.53    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 133.06%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 279905   | 33.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 134.76%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 172007   | 36.20    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 144.80%# |

| Target Compounds       |      |    |       |             | Ovalue |
|------------------------|------|----|-------|-------------|--------|
| 13) Acetone            | 4.12 | 43 | 92228 | 29.537 ug/L | 70     |
| 16) Methylene chloride | 4.91 | 84 | 21163 | 1.682 ug/L  | 90     |
| 21) 2-Butanone         | 7.17 | 43 | 26882 | 6.413 ug/L  | 96     |

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

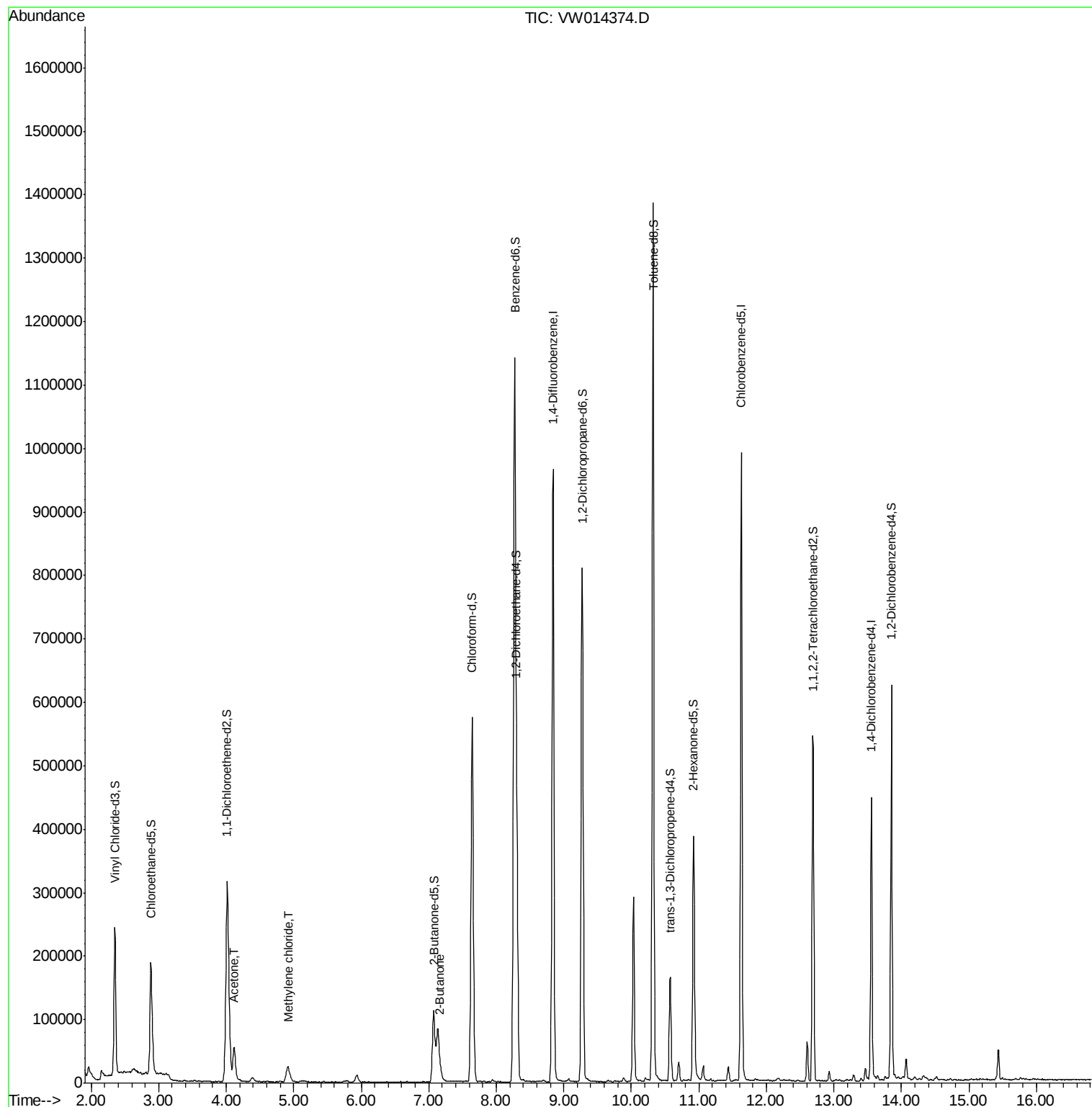
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121619\  
Data File : VW014374.D  
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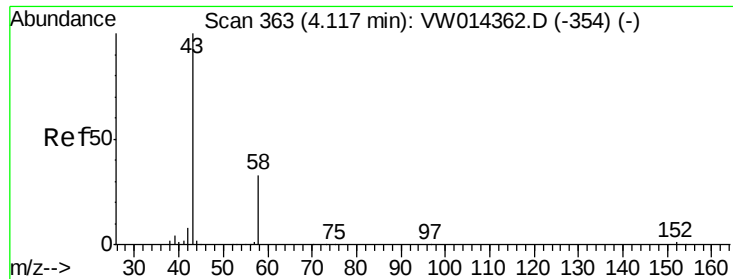
Instrument :  
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Quant Title : VOC Analysis  
QLast Update : Tue Dec 17 07:27:11 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 29.537 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014374.D

Acq: 16 Dec 2019 17:34

Instrument :

MSVOA\_W

ClientSampled :

C0C68

Tot Ion: 43 Resp: 92228

Ion Ratio Lower Upper

43 100

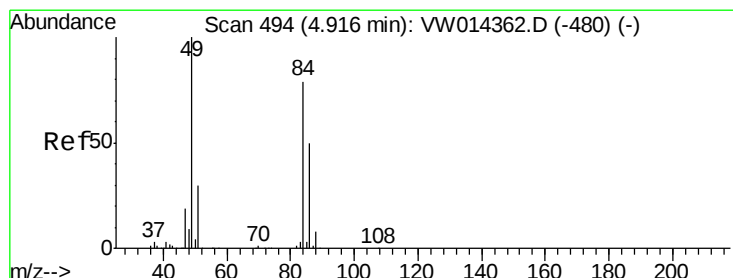
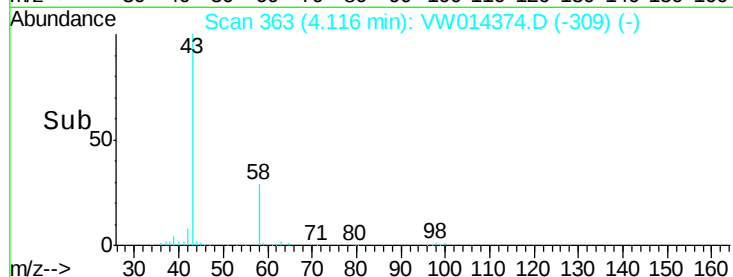
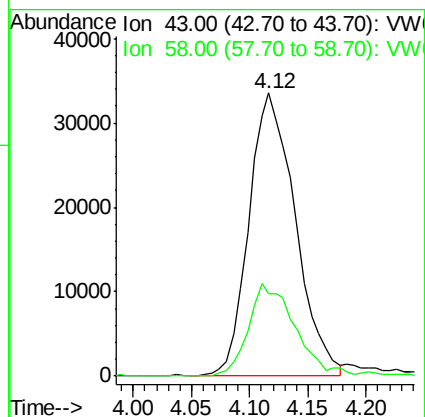
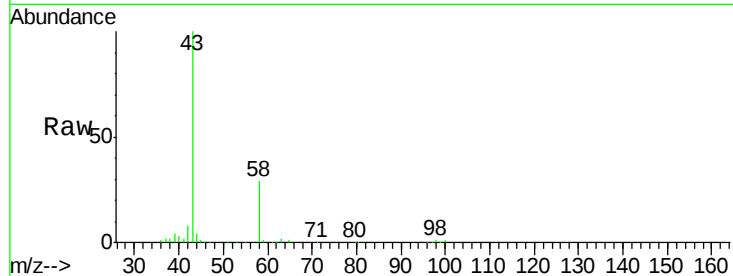
58 16.0 0.0 65.4

Manual Integrations

APPROVED

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12/18/2019 12:59:24 PM



#16

Methylene chloride

Concen: 1.682 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW014374.D

Acq: 16 Dec 2019 17:34

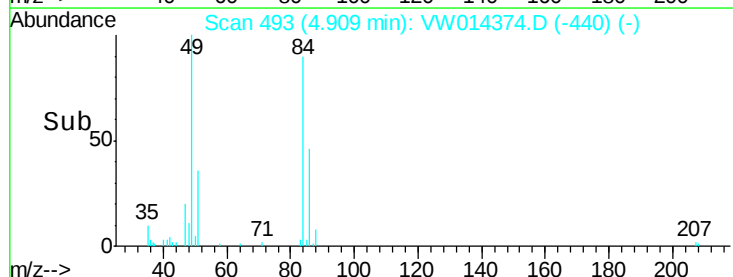
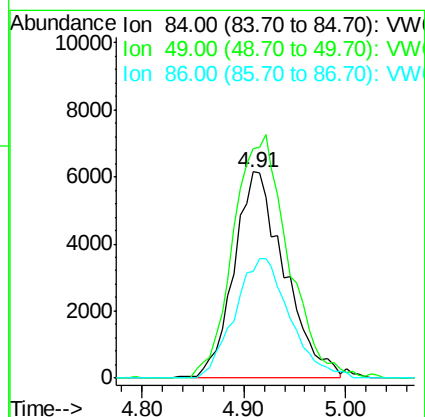
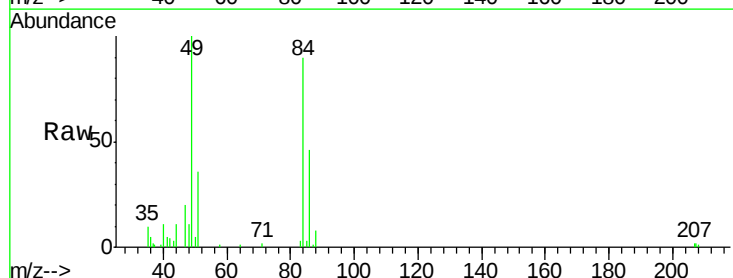
Tgt Ion: 84 Resp: 21163

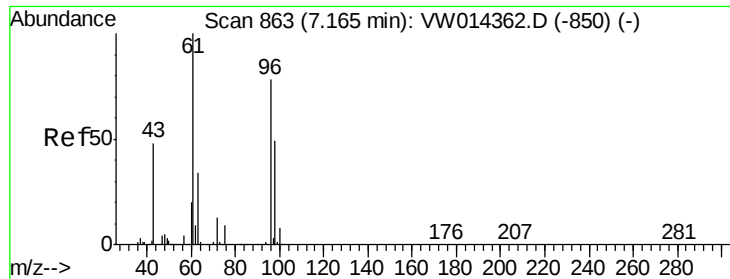
Ion Ratio Lower Upper

84 100

49 111.6 84.2 156.4

86 51.8 43.7 81.1





#21

2-Butanone

Concen: 6.413 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014374.D

Acq: 16 Dec 2019 17:34

Instrument :

MSVOA\_W

ClientSampleId :

C0C68

Tot Ion: 43 Resp: 26882

Ion Ratio Lower Upper

43 100

72 25.9 14.1 42.2

Manual Integrations

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