

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121219\  
 Data File : VW014325.D  
 Acq On : 12 Dec 2019 14:46  
 Operator : SY/VA  
 Sample : K6236-11  
 Misc : 5.29G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFEW0

Manual Integrations  
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 12/16/2019 1:01:44 PM

Quant Time: Dec 13 06:50:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 13 06:08:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1094044  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 878516   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 498689   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 414340   | 25.01    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.04%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 328663   | 26.68    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.72%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 546216   | 18.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.68%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 183321   | 42.46    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.92%   |
| 24) Chloroform-d               | 7.64   | 84    | 725471   | 26.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 104.16%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 379765m  | 26.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 104.00%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1474992  | 28.65    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 114.60%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 463067   | 29.23    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 116.92%  |
| 37) Toluene-d8                 | 10.32  | 98    | 1164387  | 25.01    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.04%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 170476   | 25.65    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 102.60%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 157175   | 49.90    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.80%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 436537   | 33.82    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 135.28%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 402724   | 21.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 84.52%   |

| Target Compounds       |      |    |        |             | Ovalue |
|------------------------|------|----|--------|-------------|--------|
| 13) Acetone            | 4.12 | 43 | 57214  | 13.746 ug/L | 98     |
| 16) Methylene chloride | 4.91 | 84 | 69998m | 4.174 ug/L  |        |
| 21) 2-Butanone         | 7.17 | 43 | 18553  | 3.320 ug/L  | 88     |

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

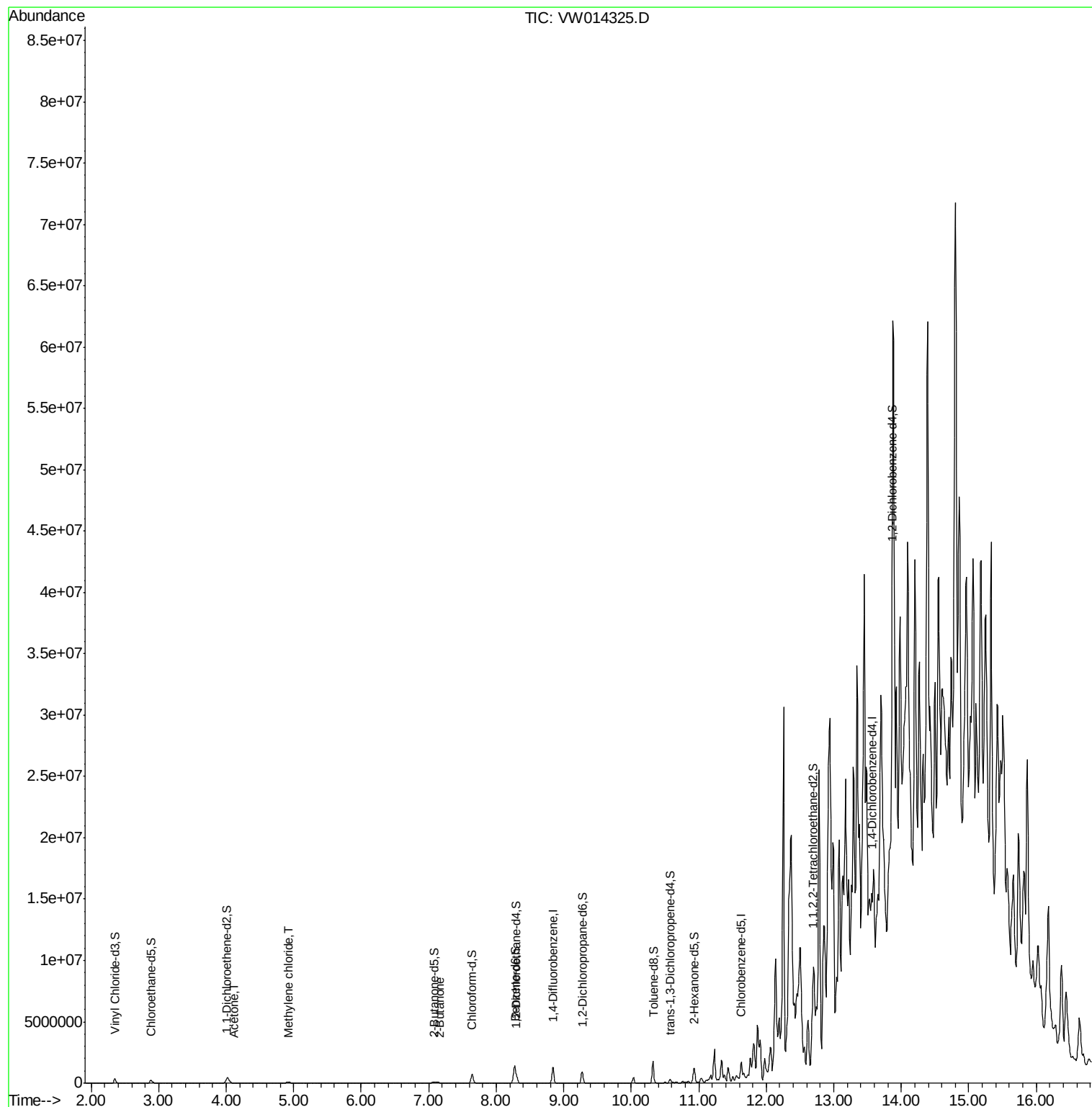
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121219\  
Data File : VW014325.D  
Acq On : 12 Dec 2019 14:46  
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Sample : K6236-11  
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ALS Vial : 2 Sample Multiplier: 1

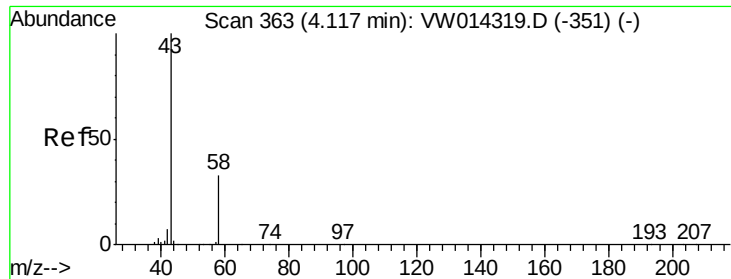
Instrument :  
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ClientSampleId :  
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Quant Time: Dec 13 06:50:21 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 13 06:08:10 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 13.746 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014325.D

Acq: 12 Dec 2019 14:46

Instrument :

MSVOA\_W

ClientSampled :

BFEW0

Tot Ion: 43 Resp: 57214

Ion Ratio Lower Upper

43 100

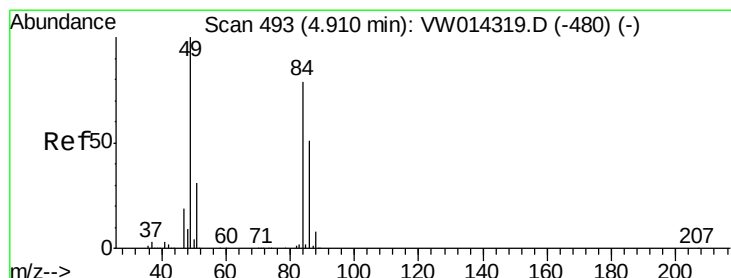
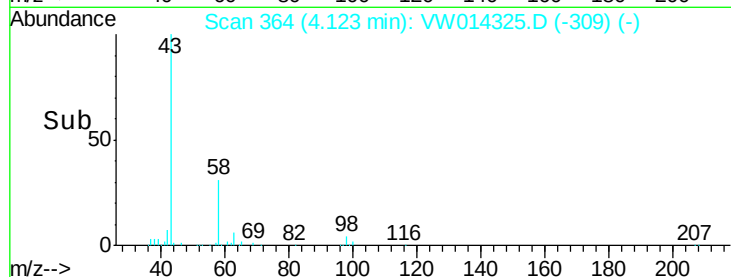
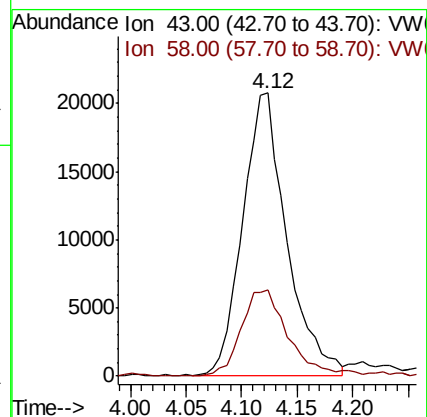
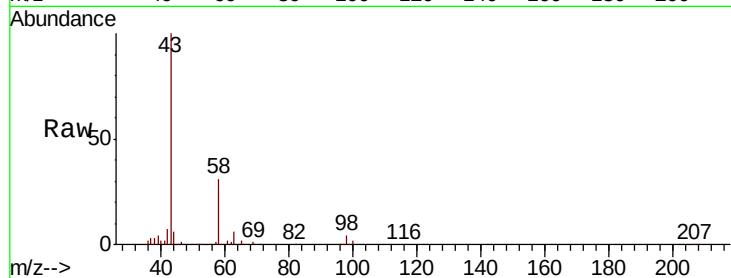
58 31.6 0.0 65.4

Manual Integrations

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#16

Methylene chloride

Concen: 4.174 ug/L m

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW014325.D

Acq: 12 Dec 2019 14:46

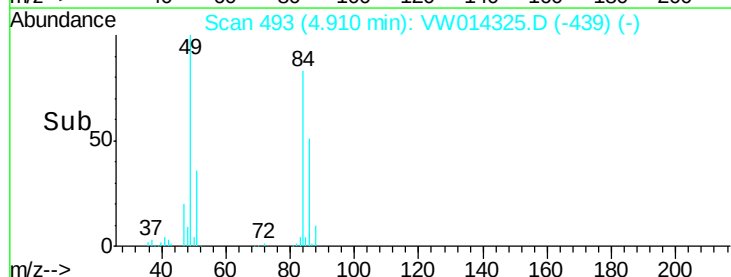
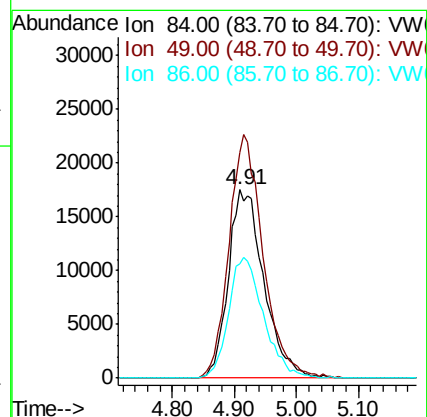
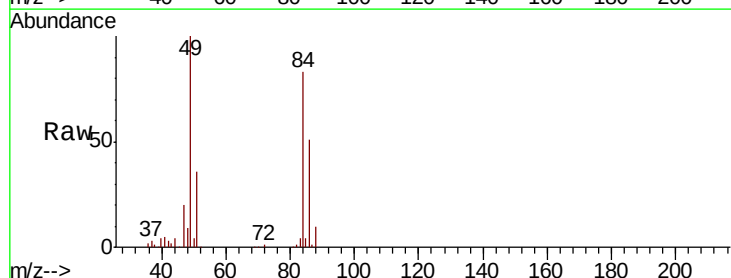
Tgt Ion: 84 Resp: 69998

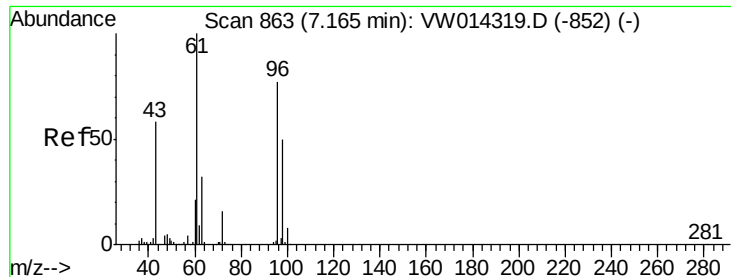
Ion Ratio Lower Upper

84 100

49 120.1 84.2 156.4

86 60.7 43.7 81.1





#21  
 2-Butanone  
 Concen: 3.320 ug/L  
 RT: 7.17 min Scan# 864  
 Delta R.T. 0.01 min  
 Lab File: VW014325.D  
 Acq: 12 Dec 2019 14:46

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 ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 22.0  | 14.1  | 42.2  |

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