

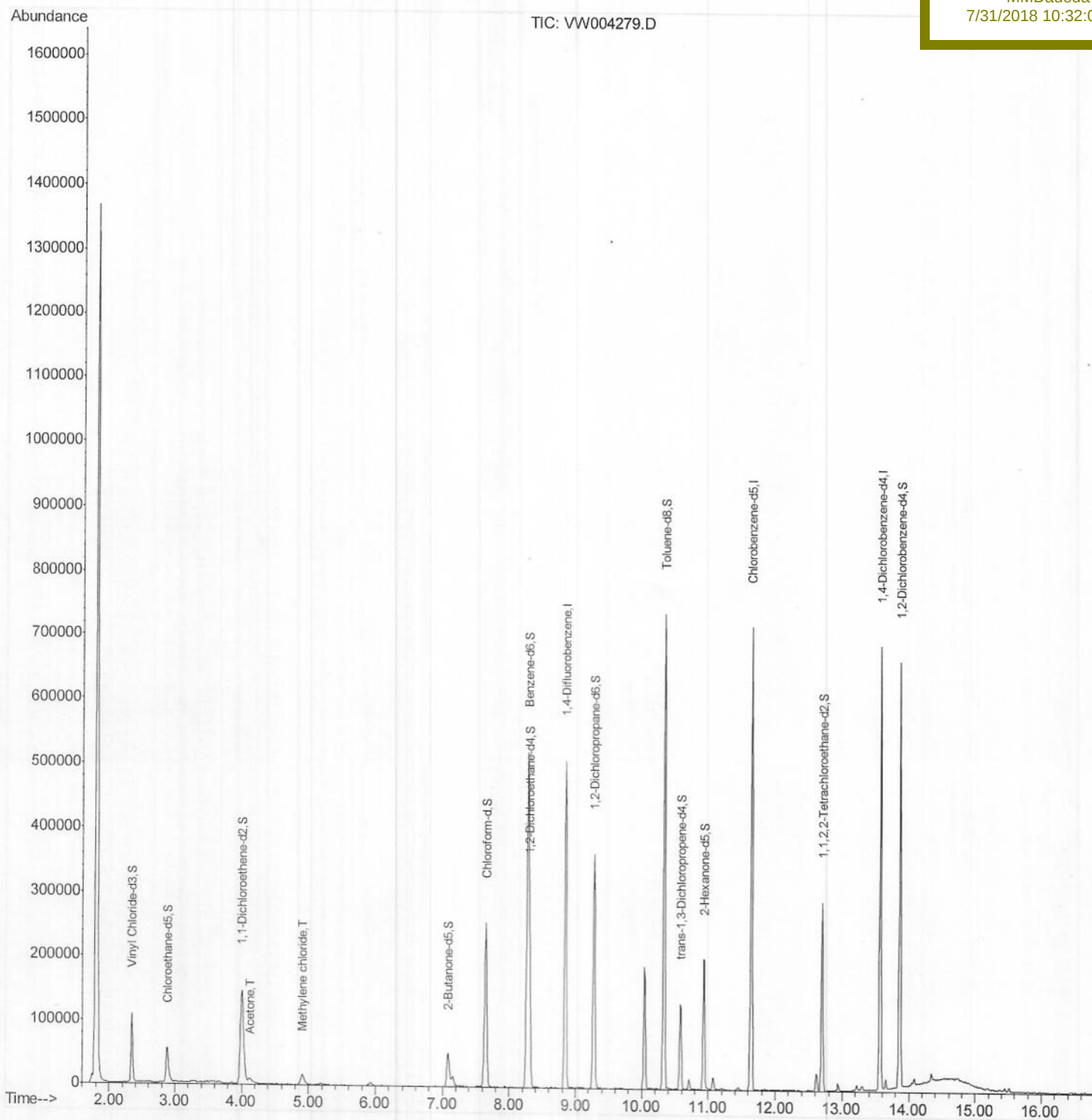
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW072918\  
Data File : VW004279.D  
Acq On : 27 Jul 2018 18:23  
Operator : SY/AP  
Sample : J4205-04  
Misc : 5.20G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 28 00:09:41 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072618S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jul 27 23:17:19 2018  
Response via : Initial Calibration

Instrument :  
MSVOA\_W  
ClientSampled :  
JJ1L1

Manual Integrations  
APPROVED

MMDadoda  
7/31/2018 10:32:09 AM



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ClientSampleId :

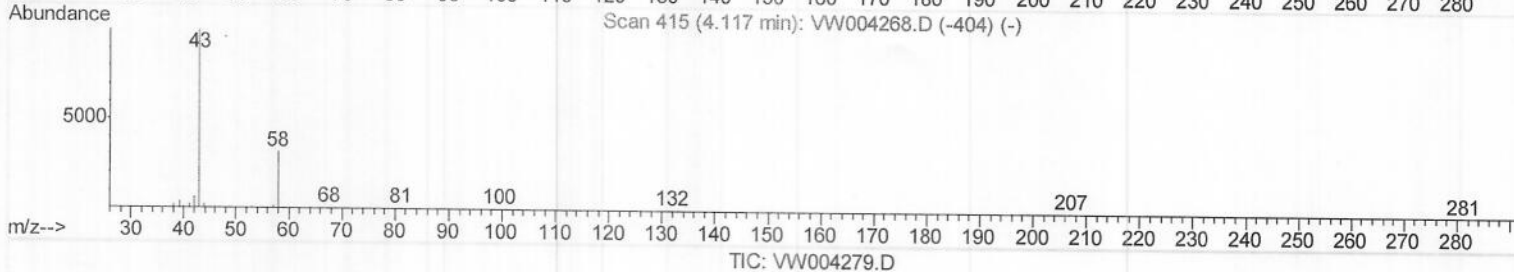
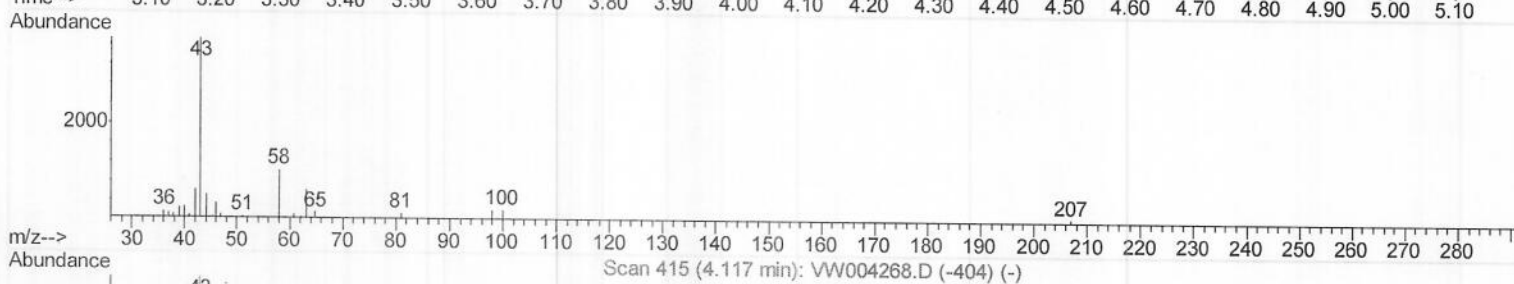
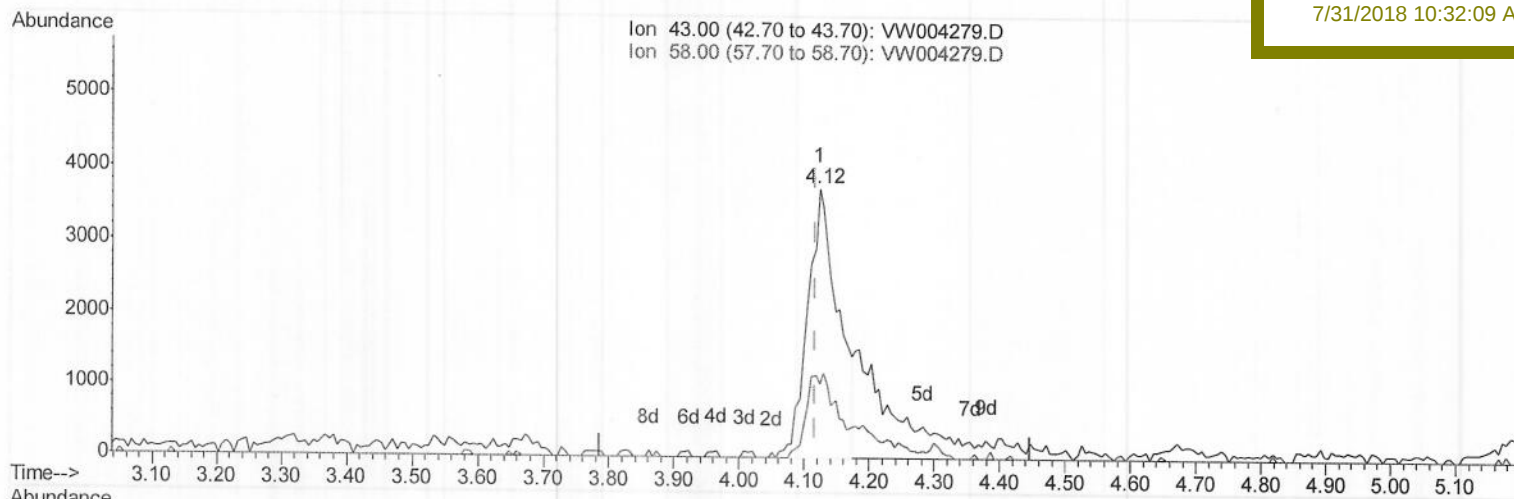
JJ1L1

Manual Integrations

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7/31/2018 10:32:09 AM



(13) Acetone (T)

4.123min (+0.006) 5.09ug/L

response 12050

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 58.00 | 29.90 | 14.72 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

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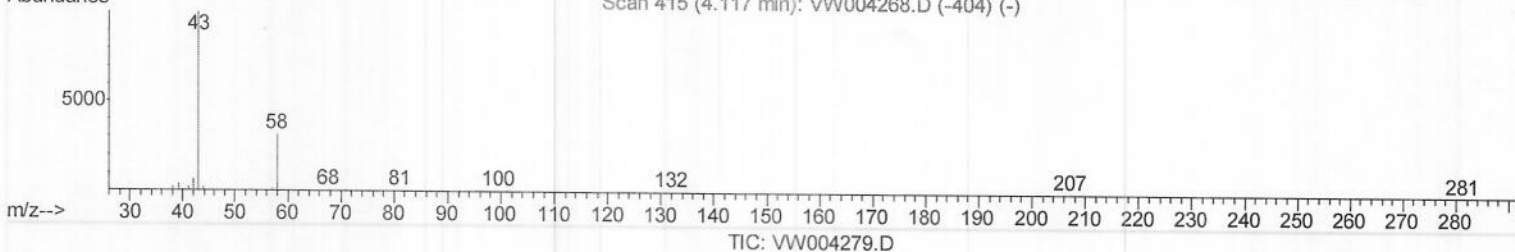
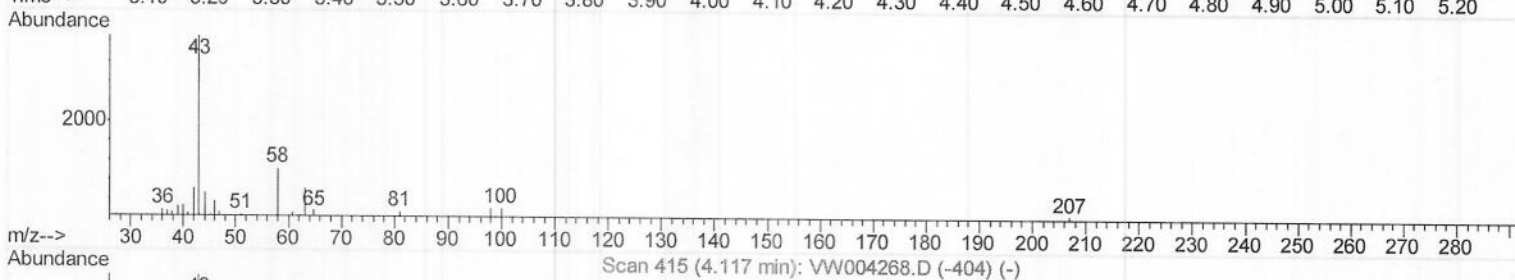
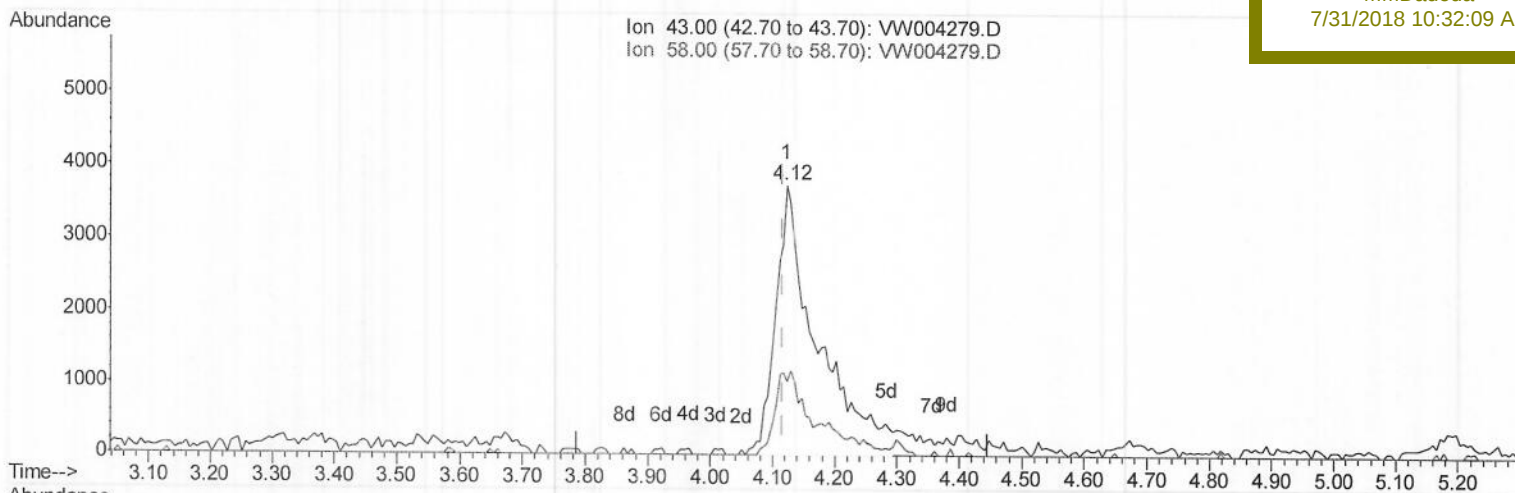
ClientSampled :

JJ1L1

Manual Integrations  
APPROVED

MMDadoda

7/31/2018 10:32:09 AM



(13) Acetone (T)

4.123min (+0.006) 7.42ug/L m

) M007/31/18

response 17585

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 58.00 | 29.90 | 10.09 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 Client Sampled :  
 JJ1L1

Quant Time: Jul 28 00:09:41 2018  
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 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 27 23:17:19 2018  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 7/31/2018 10:32:09 AM

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 411732   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 392713   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 175577   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |          |       |          |       |         |      |
|--------------------------------|----------|-------|----------|-------|---------|------|
| 4) Vinyl Chloride-d3           | 2.34     | 65    | 118570   | 28.60 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 30 | - 150 | Recovery | =     | 114.40% |      |
| 7) Chloroethane-d5             | 2.89     | 69    | 78024    | 25.88 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 30 | - 150 | Recovery | =     | 103.52% |      |
| 10) 1,1-Dichloroethene-d2      | 4.00     | 63    | 192378   | 19.44 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 45 | - 110 | Recovery | =     | 77.76%  |      |
| 20) 2-Butanone-d5              | 7.09     | 46    | 87314    | 37.21 | ug/L    | 0.00 |
| Spiked Amount 50.000           | Range 20 | - 135 | Recovery | =     | 74.42%  |      |
| 24) Chloroform-d               | 7.65     | 84    | 261870   | 24.84 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 40 | - 150 | Recovery | =     | 99.36%  |      |
| 26) 1,2-Dichloroethane-d4      | 8.31     | 65    | 157744   | 24.88 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 70 | - 130 | Recovery | =     | 99.52%  |      |
| 29) Benzene-d6                 | 8.28     | 84    | 528690   | 25.40 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 20 | - 135 | Recovery | =     | 101.60% |      |
| 33) 1,2-Dichloropropane-d6     | 9.27     | 67    | 173893   | 25.12 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 70 | - 120 | Recovery | =     | 100.48% |      |
| 37) Toluene-d8                 | 10.33    | 98    | 491842   | 25.00 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 30 | - 130 | Recovery | =     | 100.00% |      |
| 38) trans-1,3-Dichloropropene- | 10.58    | 79    | 72903    | 23.20 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 30 | - 135 | Recovery | =     | 92.80%  |      |
| 39) 2-Hexanone-d5              | 10.93    | 63    | 67259    | 36.97 | ug/L    | 0.00 |
| Spiked Amount 50.000           | Range 20 | - 135 | Recovery | =     | 73.94%  |      |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69    | 84    | 150006   | 21.22 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 45 | - 120 | Recovery | =     | 84.88%  |      |
| 61) 1,2-Dichlorobenzene-d4     | 13.86    | 152   | 175445   | 26.73 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 75 | - 120 | Recovery | =     | 106.92% |      |

## Target Compounds

|                        |      |    |        |       |      |        |
|------------------------|------|----|--------|-------|------|--------|
| 13) Acetone            | 4.12 | 43 | 17585m | 7.422 | ug/L | Qvalue |
| 16) Methylene chloride | 4.91 | 84 | 14217  | 2.463 | ug/L | 97     |

MP 07/31/18

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