

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW121719\  
Quantitation Report (Qedit)

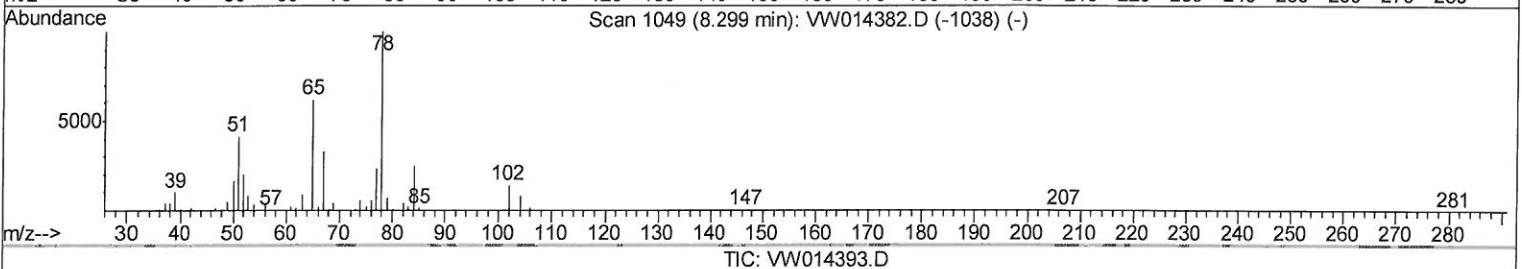
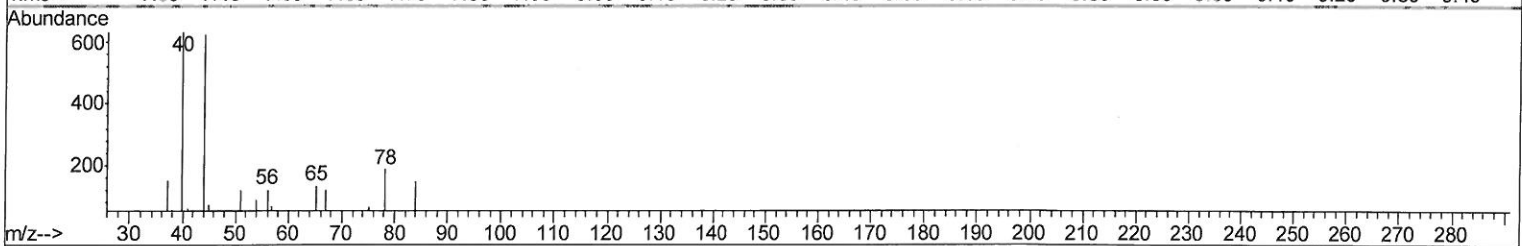
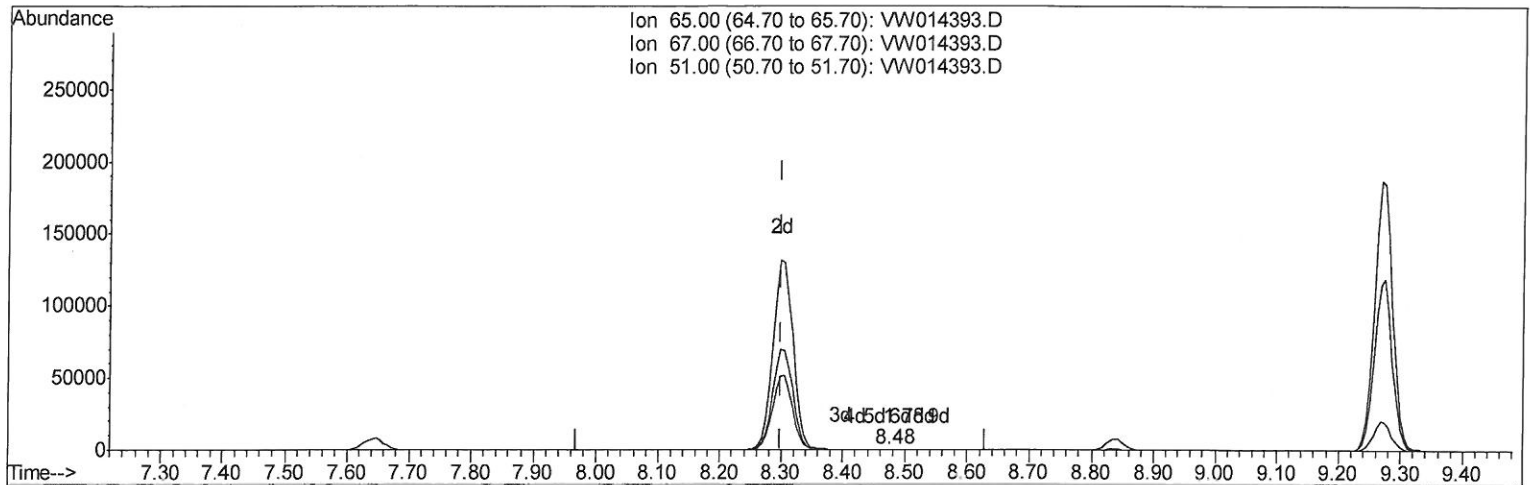
Data File : VW014393.D  
Acq On : 17 Dec 2019 15:29  
Operator : SY/VA  
Sample : K6277-07RE  
Misc : 3.55G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0C67RE

Manual Integrations  
APPROVED

MMDadoda  
12/18/2019 3:31:23 PM

Quant Time: Dec 18 01:41:33 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 18 01:35:45 2019  
Response via : Initial Calibration



(26) 1,2-Dichloroethane-d4 (S)

8.476min (+0.177) 0.01ug/L

response 140

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.00 | 100    | 100    |
| 67.00 | 54.40  | 61.43  |
| 51.00 | 107.20 | 114.29 |
| 0.00  | 0.00   | 0.00   |

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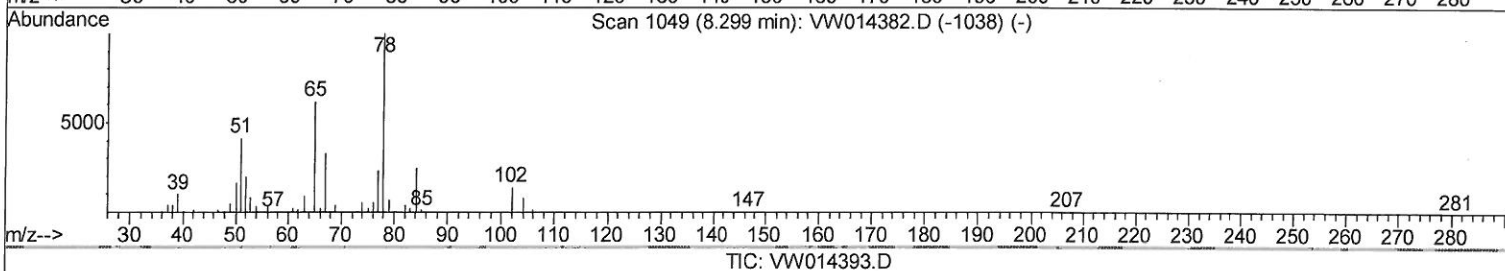
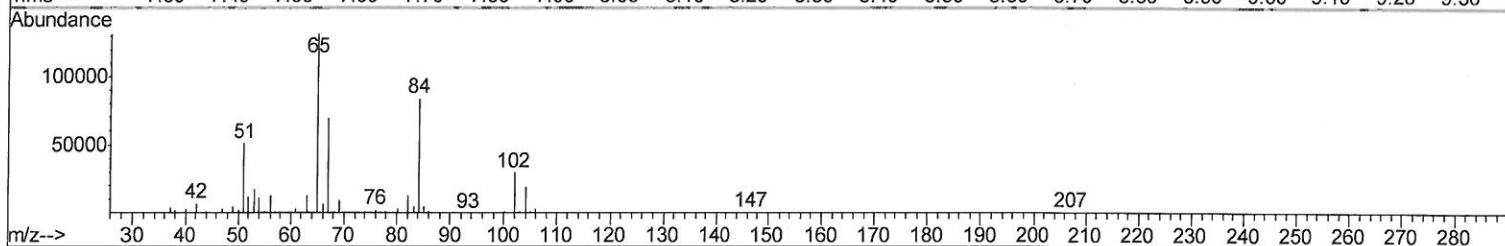
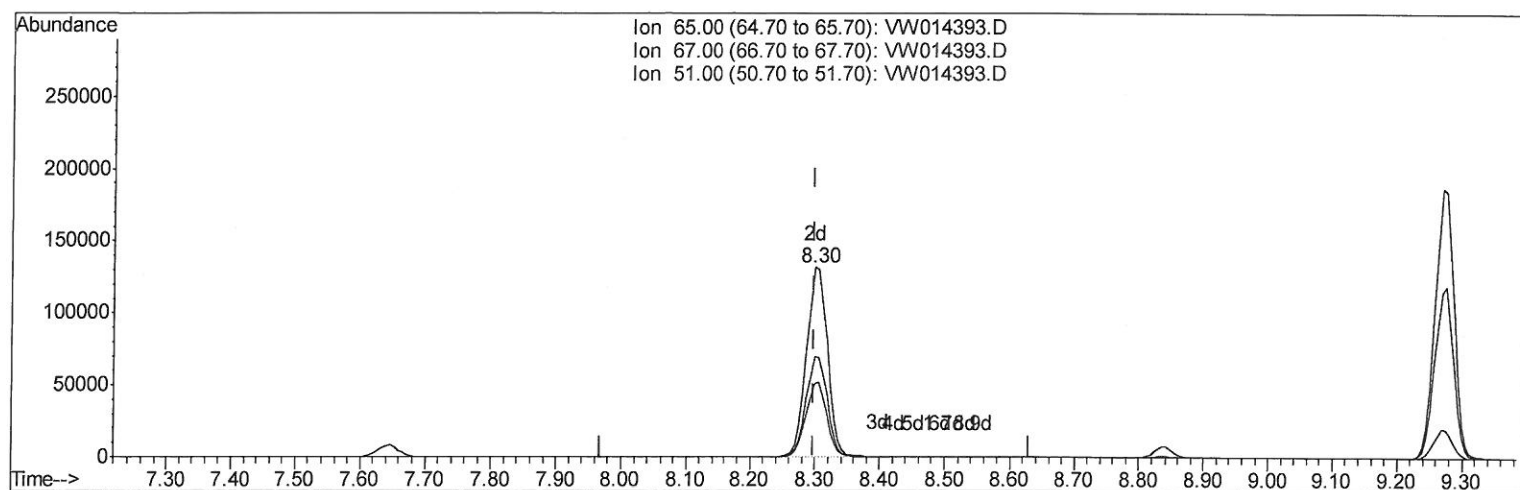
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TIC: VW014393.D

(26) 1,2-Dichloroethane-d4 (S)

8.299min (+0.000) 26.29ug/L m

response 293075

| Ion   | Exp%   | Act%  |
|-------|--------|-------|
| 65.00 | 100    | 100   |
| 67.00 | 54.40  | 0.03# |
| 51.00 | 107.20 | 0.05# |
| 0.00  | 0.00   | 0.00  |

> 12/18/19 SY

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Manual Integrations  
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MMDadoda  
12/18/2019 3:31:23 PM

Quant Time: Dec 18 02:55:27 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 18 01:35:45 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 835097   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 650553   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 202795   | 25.00 | ug/L  | 0.00     |

System Monitoring Compounds

|                                |                |     |            |          |      |      |
|--------------------------------|----------------|-----|------------|----------|------|------|
| 4) Vinyl Chloride-d3           | 2.35           | 65  | 242715     | 19.19    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 76.76%   |      |      |
| 7) Chloroethane-d5             | 2.89           | 69  | 219062     | 23.30    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 93.20%   |      |      |
| 10) 1,1-Dichloroethene-d2      | 4.01           | 63  | 355780     | 15.93    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 110 |     | Recovery = | 63.72%   |      |      |
| 20) 2-Butanone-d5              | 7.07           | 46  | 191295     | 58.05    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 116.10%  |      |      |
| 24) Chloroform-d               | 7.65           | 84  | 559357     | 26.31    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 40 - 150 |     | Recovery = | 105.24%  |      |      |
| 26) 1,2-Dichloroethane-d4      | 8.30           | 65  | 293075m    | 26.29    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 130 |     | Recovery = | 105.16%  |      |      |
| 29) Benzene-d6                 | 8.27           | 84  | 1110503    | 29.13    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 20 - 135 |     | Recovery = | 116.52%  |      |      |
| 33) 1,2-Dichloropropane-d6     | 9.27           | 67  | 376954     | 32.14    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 120 |     | Recovery = | 128.56%# |      |      |
| 37) Toluene-d8                 | 10.32          | 98  | 893166     | 25.91    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 130 |     | Recovery = | 103.64%  |      |      |
| 38) trans-1,3-Dichloropropene- | 10.57          | 79  | 111825     | 22.72    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 135 |     | Recovery = | 90.88%   |      |      |
| 39) 2-Hexanone-d5              | 10.92          | 63  | 135999     | 58.31    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 116.62%  |      |      |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69          | 84  | 272685     | 28.53    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 120 |     | Recovery = | 114.12%  |      |      |
| 61) 1,2-Dichlorobenzene-d4     | 13.85          | 152 | 217540     | 28.07    | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 75 - 120 |     | Recovery = | 112.28%  |      |      |

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| Target Compounds       |      |    |       |              | Qvalue |
|------------------------|------|----|-------|--------------|--------|
| 13) Acetone            | 4.12 | 43 | 84874 | 26.714 ug/L  | 100    |
| 16) Methylene chloride | 4.92 | 84 | 20908 | 1.633 ug/L   | 94     |
| 21) 2-Butanone         | 7.17 | 43 | 25840 | 6.058 ug/L # | 68     |

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

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