

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\

Data File : VV011167.D

Acq On : 31 May 2019 07:33

Operator : SY/MD

Sample : K3017-15RE

Misc : 5.94G/10ML/MSVOA V/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 31 09:05:41 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM053019S.M

Quant Title : VOC Analysis

QLast Update : Fri May 31 08:21:18 2019

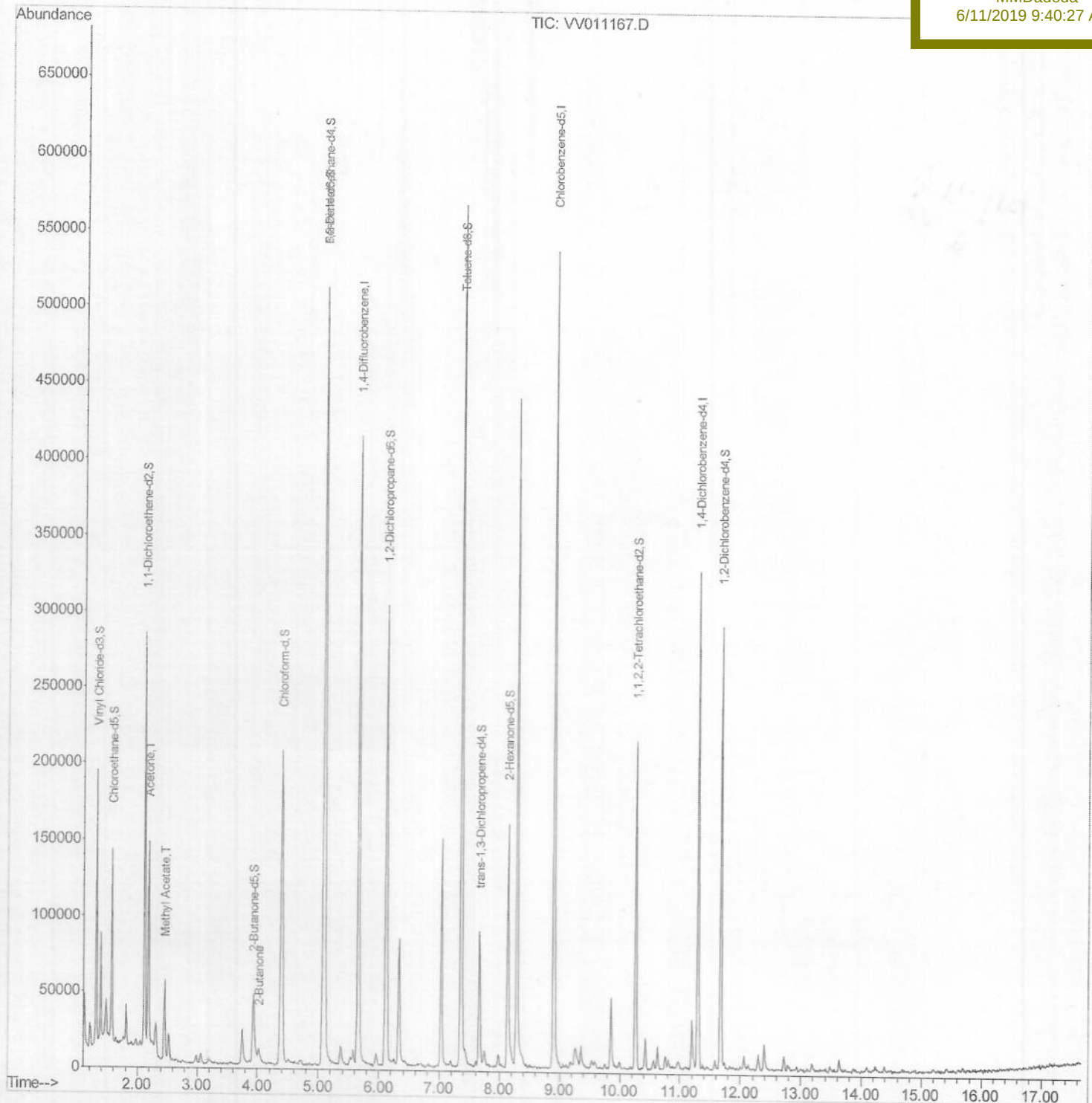
Response via : Initial Calibration

Instrument :

MSVOA\_V

ClientSampled :

A51E8RE

Manual Integrations  
APPROVEDMMDadoda  
6/11/2019 9:40:27 AM

# Quantitation Report (Qedit)

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Data File : VV011167.D

Acq On : 31 May 2019 07:33

Operator : SY/MD

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ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 31 08:26:01 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM053019S.M

Quant Title : VOC Analysis

QLast Update : Fri May 31 08:21:18 2019

Response via : Initial Calibration

Instrument :

MSVOA\_V

ClientSampleId :

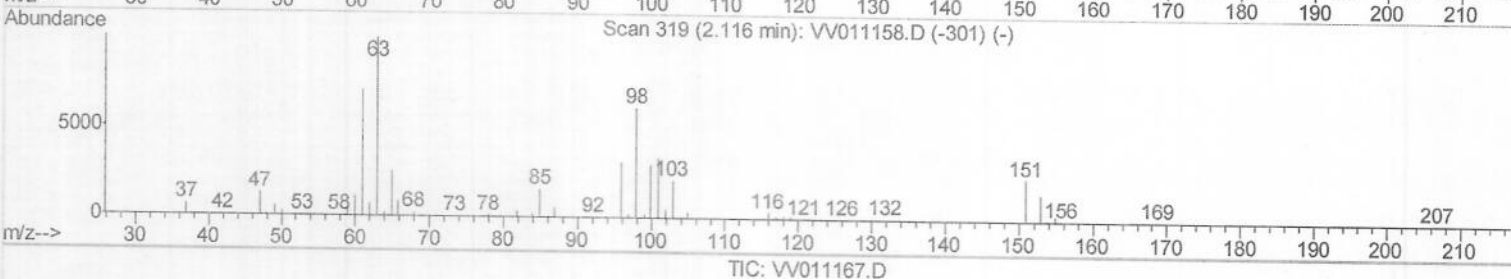
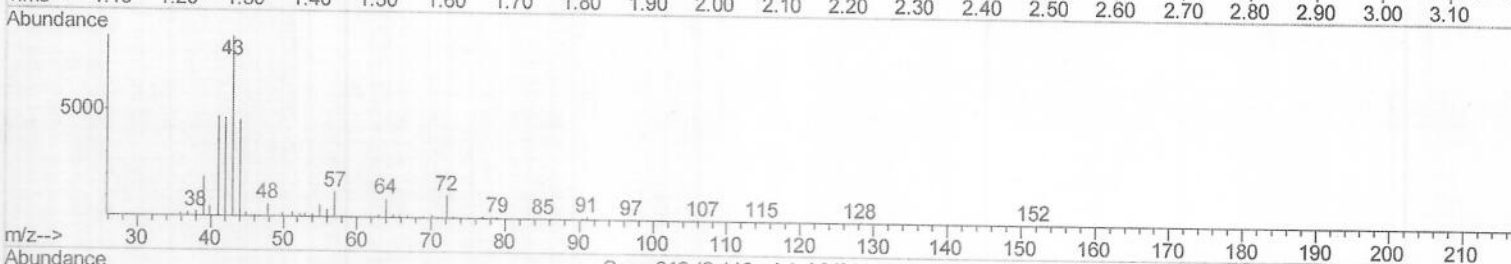
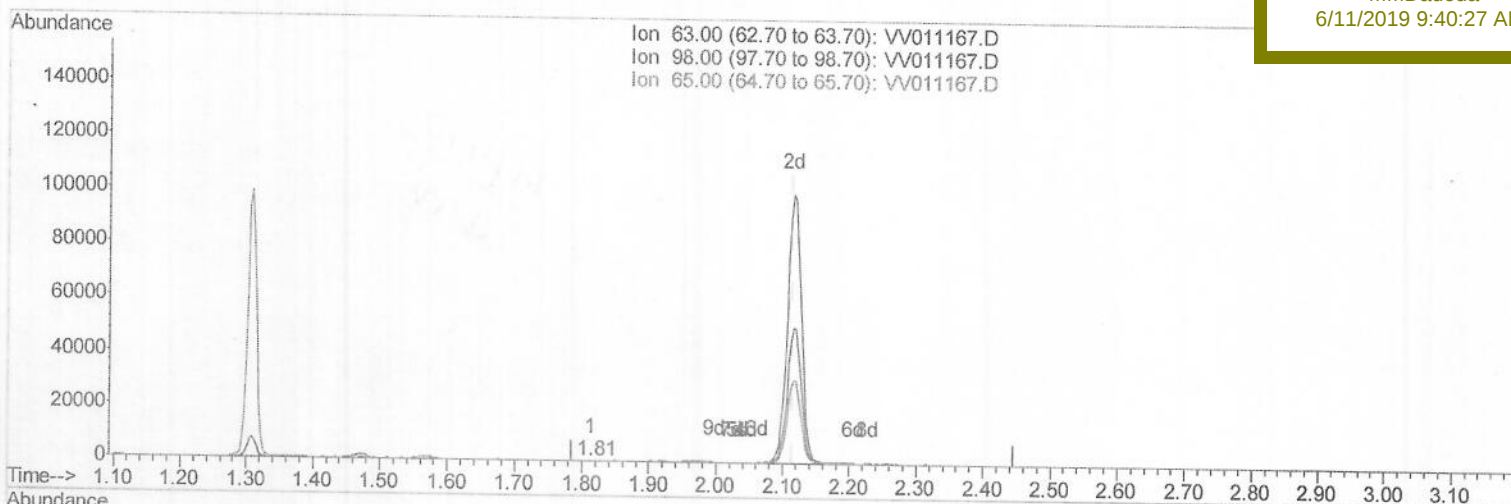
A51E8RE

Manual Integrations

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(10) 1,1-Dichloroethene-d2 (S)

1.814min (-0.302) 0.03ug/L

response 287

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 64.20 | 50.17 |
| 65.00 | 23.10 | 24.74 |
| 0.00  | 0.00  | 0.00  |

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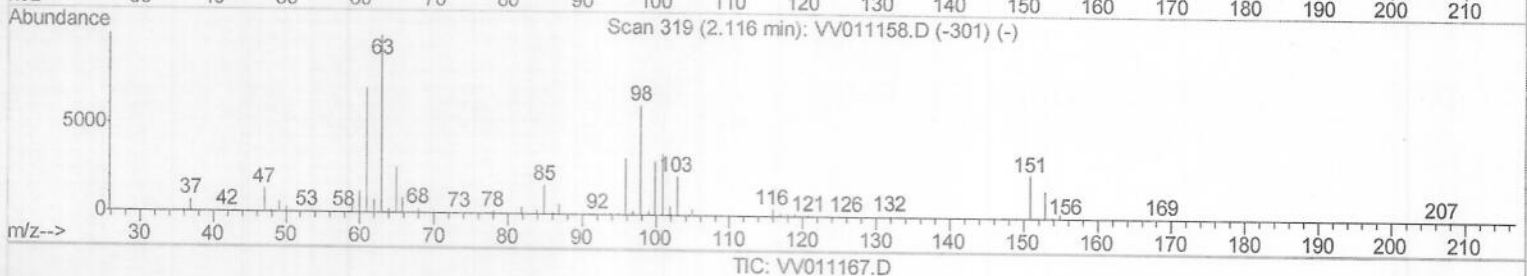
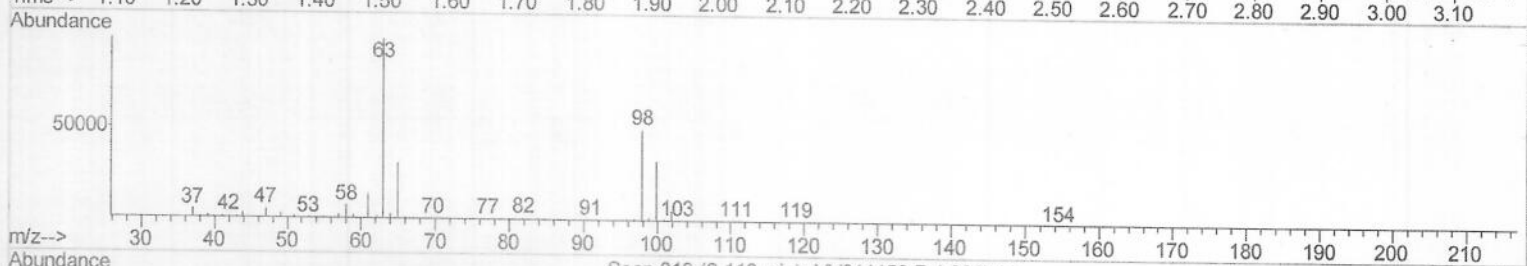
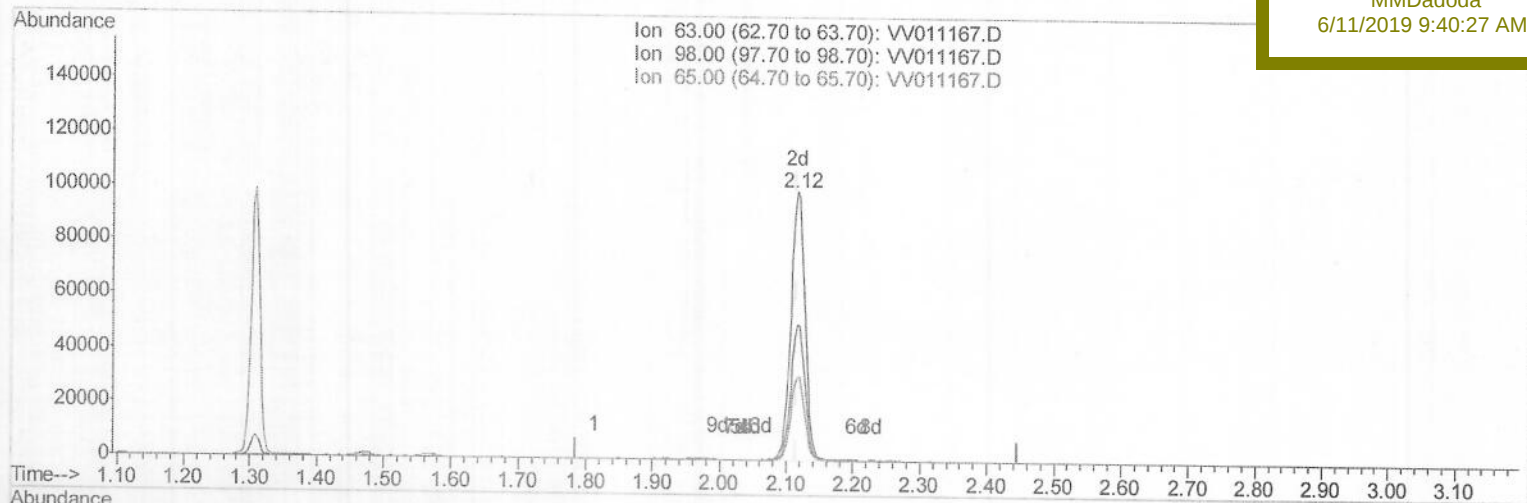
Response via : Initial Calibration

Instrument :

MSVOA\_V

ClientSampleId :

A51E8RE

Manual Integrations  
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6/11/2019 9:40:27 AM

(10) 1,1-Dichloroethene-d2 (S)

2.116min (-0.000) 15.79ug/L m

response 146597

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 64.20 | 0.10# |
| 65.00 | 23.10 | 0.05# |
| 0.00  | 0.00  | 0.00  |

M.D  
6/11/19

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 Sample : K3017-15RE  
 Misc : 5.94G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A51E8RE

Quant Time: May 31 09:05:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM053019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 31 08:21:18 2019  
 Response via : Initial Calibration

Manual Integrations  
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| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 334318   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 271746   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 79824    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |                |     |            |         |      |      |
|--------------------------------|----------------|-----|------------|---------|------|------|
| 4) Vinyl Chloride-d3           | 1.31           | 65  | 91674      | 20.27   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 81.08%  |      |      |
| 7) Chloroethane-d5             | 1.57           | 69  | 81315      | 23.38   | ug/L | 0.01 |
| Spiked Amount 25.000           | Range 30 - 150 |     | Recovery = | 93.52%  |      |      |
| 10) 1,1-Dichloroethene-d2      | 2.12           | 63  | 146597m    | 15.79   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 110 |     | Recovery = | 63.16%  |      |      |
| 20) 2-Butanone-d5              | 3.93           | 46  | 72483      | 43.84   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 87.68%  |      |      |
| 24) Chloroform-d               | 4.39           | 84  | 205033     | 25.09   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 40 - 150 |     | Recovery = | 100.36% |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.08           | 65  | 127293     | 23.90   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 130 |     | Recovery = | 95.60%  |      |      |
| 29) Benzene-d6                 | 5.09           | 84  | 419383     | 28.42   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 20 - 135 |     | Recovery = | 113.68% |      |      |
| 33) 1,2-Dichloropropane-d6     | 6.11           | 67  | 137818     | 29.15   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 70 - 120 |     | Recovery = | 116.60% |      |      |
| 37) Toluene-d8                 | 7.36           | 98  | 356491     | 25.60   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 130 |     | Recovery = | 102.40% |      |      |
| 38) trans-1,3-Dichloropropene- | 7.66           | 79  | 47387      | 22.15   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 30 - 135 |     | Recovery = | 88.60%  |      |      |
| 39) 2-Hexanone-d5              | 8.13           | 63  | 54583      | 50.79   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 20 - 135 |     | Recovery = | 101.58% |      |      |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26          | 84  | 98318      | 23.07   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 45 - 120 |     | Recovery = | 92.28%  |      |      |
| 61) 1,2-Dichlorobenzene-d4     | 11.67          | 152 | 70883      | 23.73   | ug/L | 0.00 |
| Spiked Amount 25.000           | Range 75 - 120 |     | Recovery = | 94.92%  |      |      |

M.D  
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## Target Compounds

|                    |      |    |        |             | Ovalue |
|--------------------|------|----|--------|-------------|--------|
| 13) Acetone        | 2.18 | 43 | 129531 | 67.348 ug/L | 100    |
| 15) Methyl Acetate | 2.45 | 43 | 58576  | 20.240 ug/L | 96     |
| 21) 2-Butanone     | 4.02 | 43 | 13229  | 5.863 ug/L  | 93     |

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