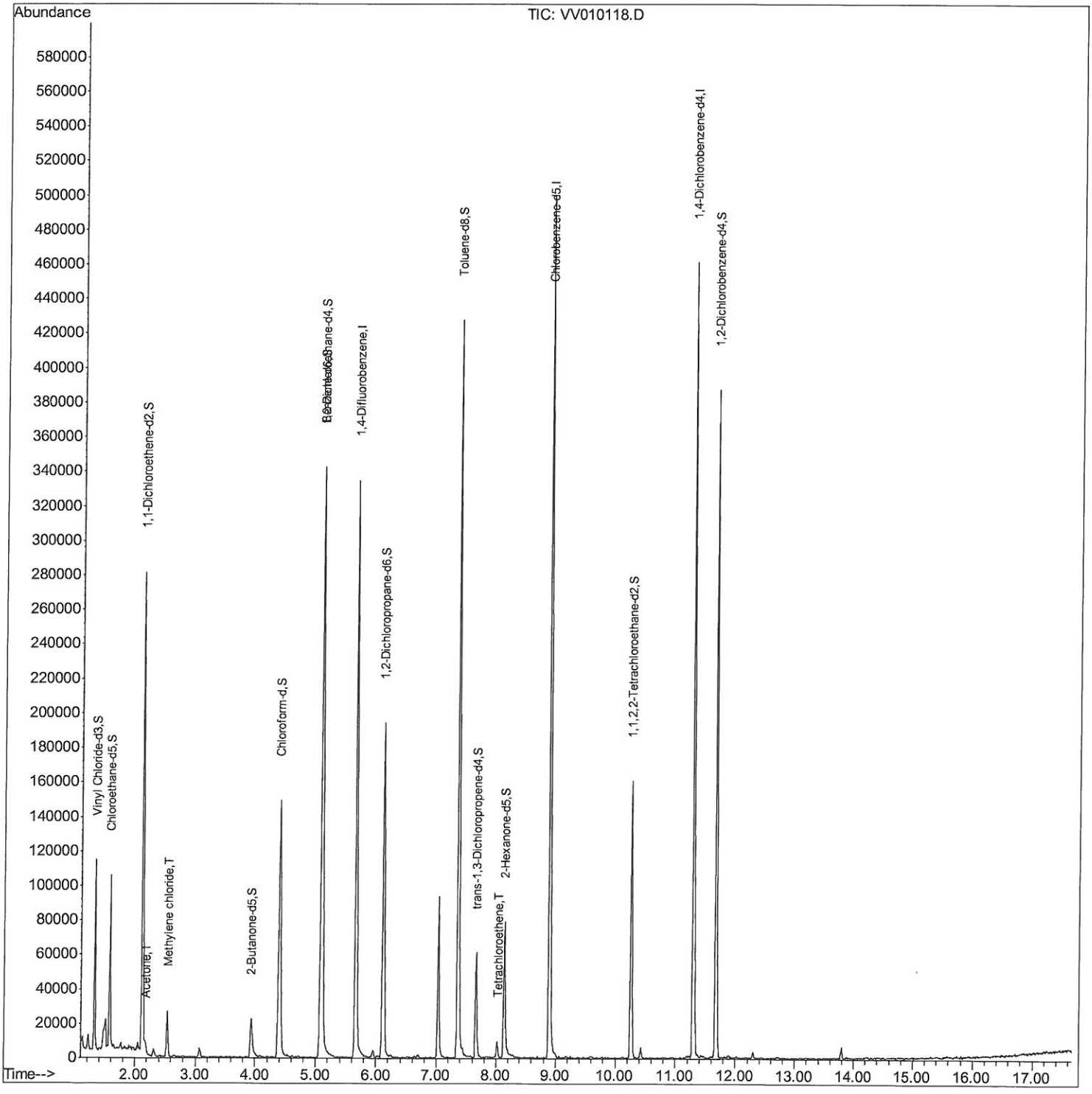
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040419\
Data File : VV010118.D
Acq On : 04 Apr 2019 19:09
Operator : SY/MD
Sample : K2119-15
Misc : 5.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 02:32:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 05 01:26:41 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
BF5B3

**Manual Integrations APPROVED**
MMDadoda
4/5/2019 3:25:42 PM



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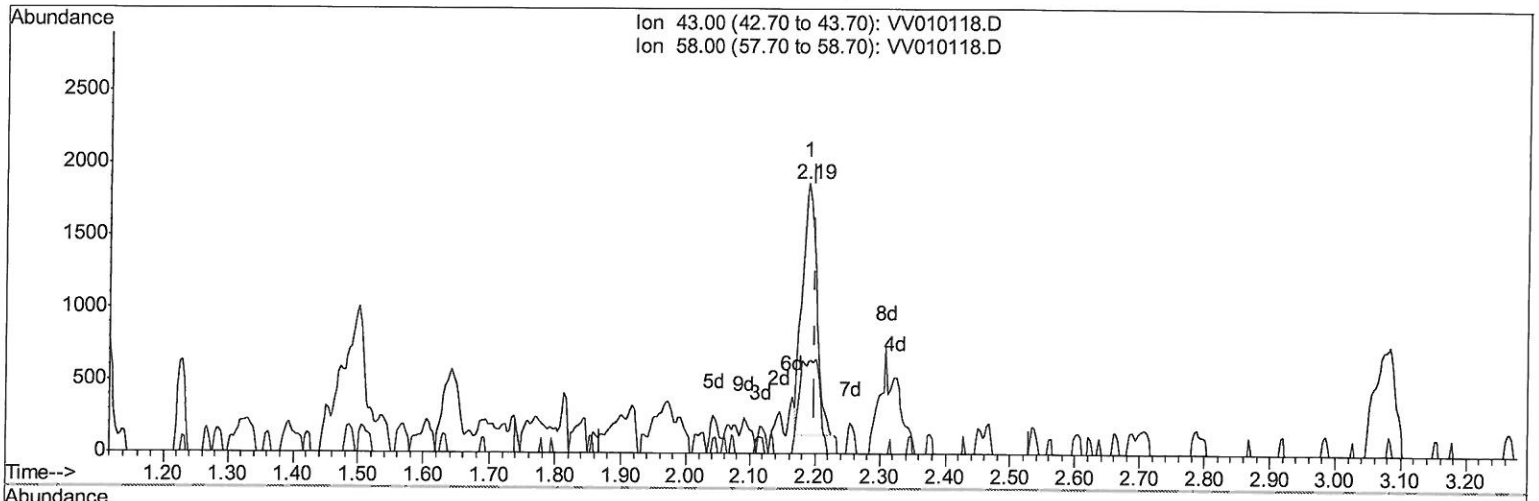


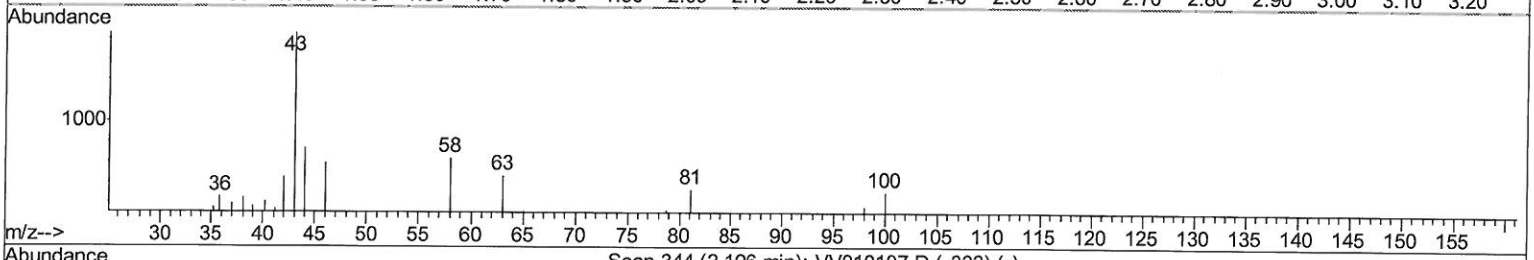


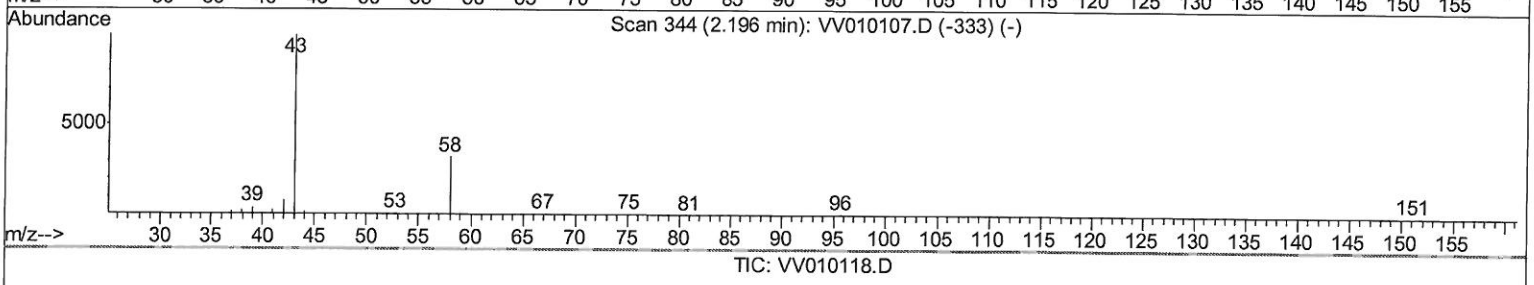


TIC: VV010118.D

(13) Acetone (T)

2.190min (-0.010) 2.45ug/L

response 2705

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 32.30 | 21.70 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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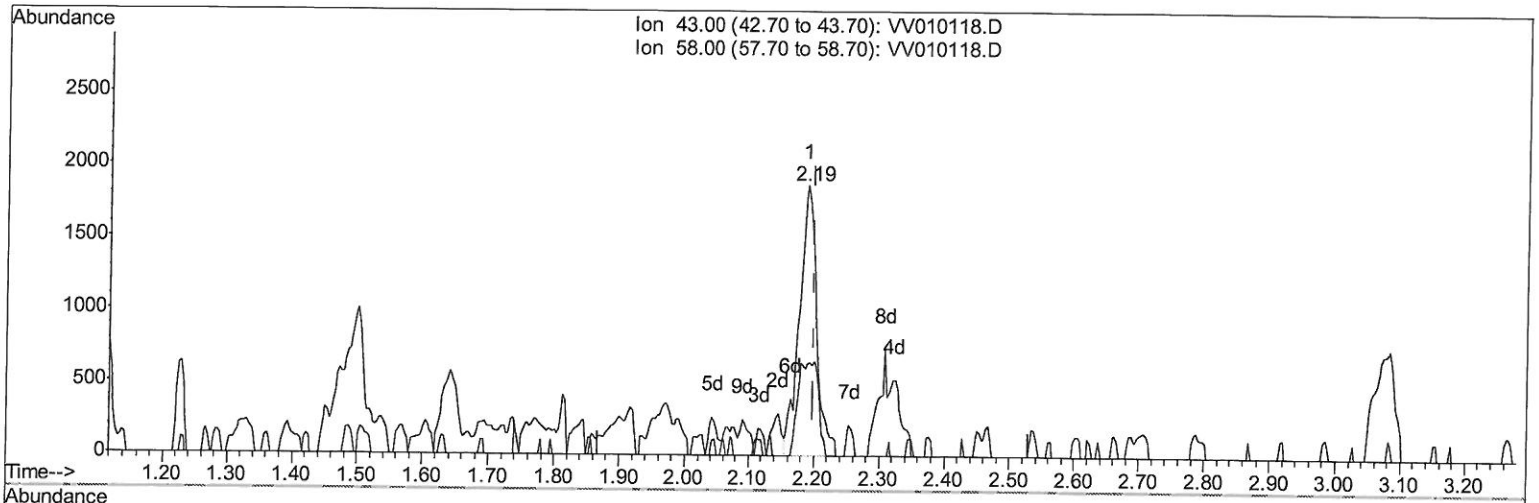
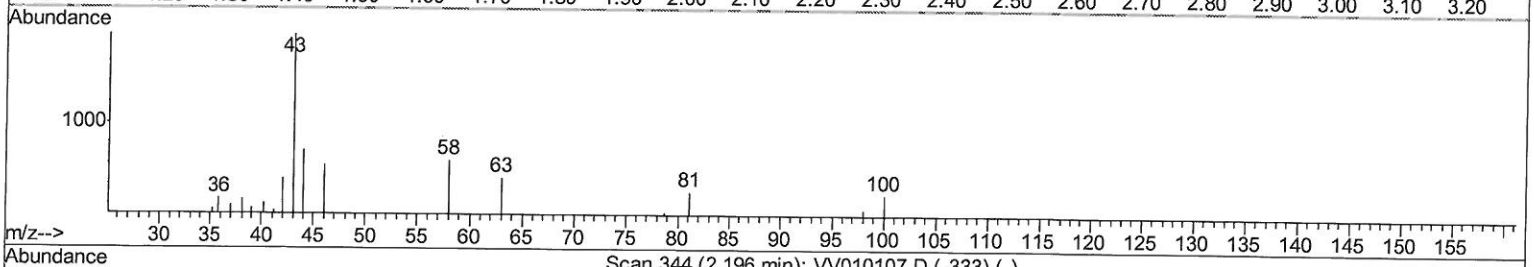
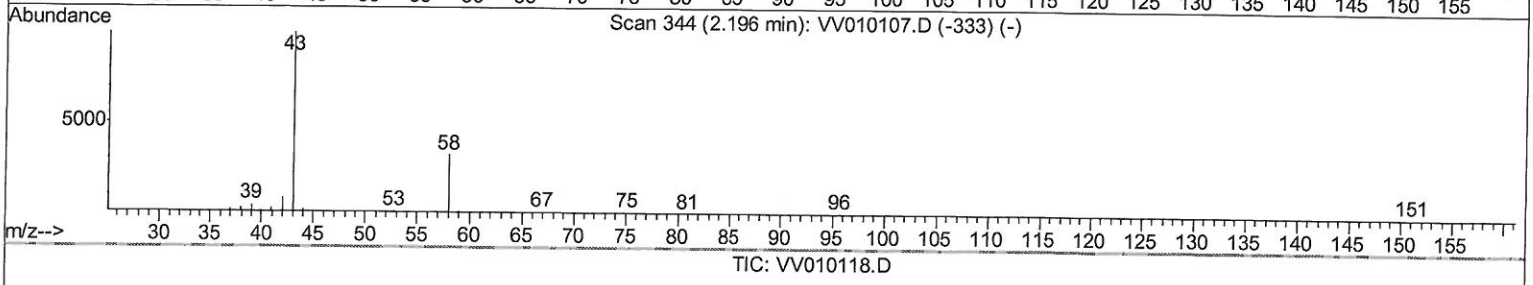
**Instrument :**
MSVOA_V
**ClientSampleId :**
BF5B3

**Manual Integrations APPROVED**
MMDadoda
4/5/2019 3:25:42 PM




TIC: VV010118.D

(13) Acetone (T)

2.190min (-0.010) 3.09ug/L m

response 3412

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 32.30 | 17.20 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

7 MD
4/7/19

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Misc : 5.19G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BF5B3

**Manual Integrations APPROVED**
MMDadoda
4/5/2019 3:25:42 PM

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Quant Title : VOC Analysis
QLast Update : Fri Apr 05 01:26:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 293288 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 285163 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 129350 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 64869 | 16.52 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 66.08% | | | |
| 7) Chloroethane-d5 | 1.57 | 69 | 64152 | 13.15 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 52.60% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.13 | 63 | 138775 | 14.01 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 56.04% | | | |
| 20) 2-Butanone-d5 | 3.93 | 46 | 34850 | 31.19 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 62.38% | | | |
| 24) Chloroform-d | 4.40 | 84 | 146446 | 19.82 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 79.28% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 82187 | 19.88 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 79.52% | | | |
| 29) Benzene-d6 | 5.10 | 84 | 300518 | 20.32 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 81.28% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.12 | 67 | 88924 | 20.38 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 81.52% | | | |
| 37) Toluene-d8 | 7.36 | 98 | 288571 | 20.25 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 81.00% | | | |
| 38) trans-1,3-Dichloropropene- | 7.66 | 79 | 31494 | 16.88 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 67.52% | | | |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 25500 | 29.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 58.26% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 73583 | 17.10 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 68.40% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 107161 | 21.27 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 85.08% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.19 | 43 | 3412m | 3.089 | ug/L | |
| 16) Methylene chloride | 2.54 | 84 | 11283 | 2.190 | ug/L | 96 |
| 47) Tetrachloroethene | 8.02 | 164 | 1925 | 0.573 | ug/L | 80 |

MD 4/7/19

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