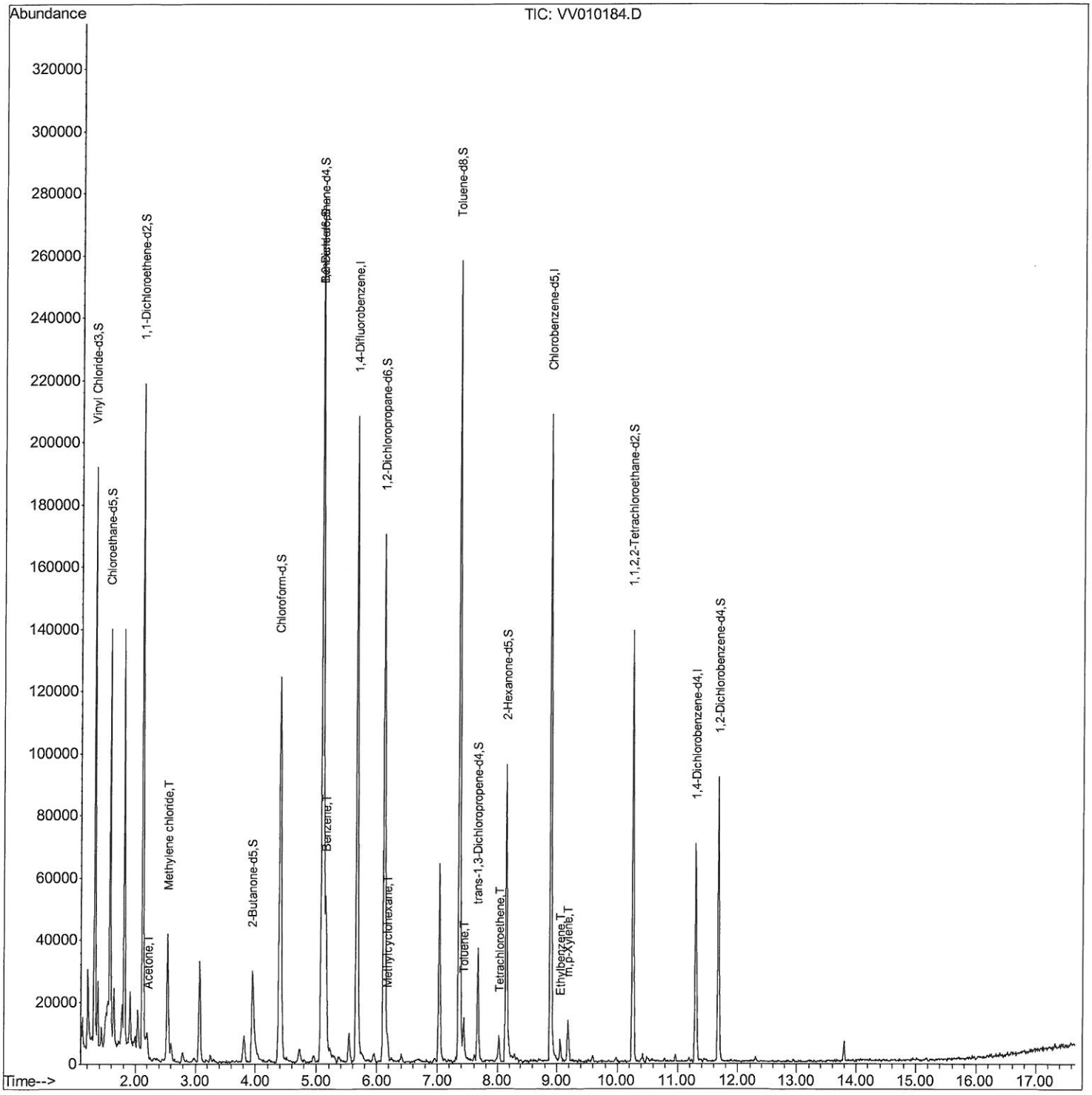
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040819\
Data File : VV010184.D
Acq On : 08 Apr 2019 18:53
Operator : SY/MD
Sample : K2259-05
Misc : 4.61G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 09 07:18:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 09 05:31:28 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
ETJ44

**Manual Integrations APPROVED**
MMDadoda
4/15/2019 12:28:30 AM



Quantitation Report (Qedit)

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Quant Title : VOC Analysis
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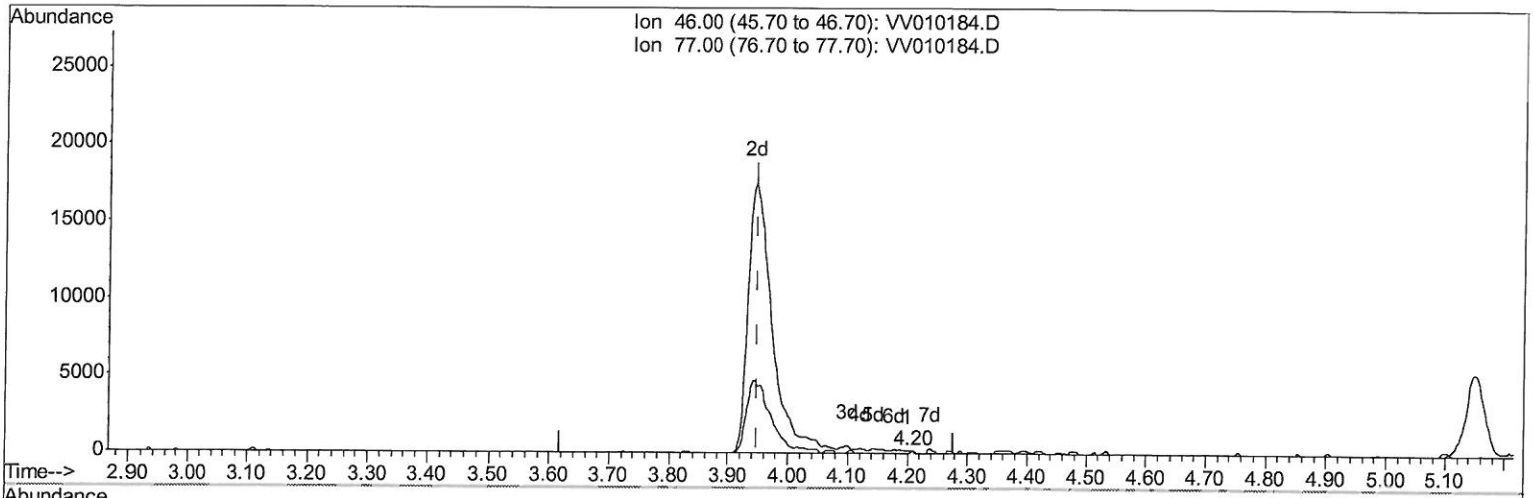


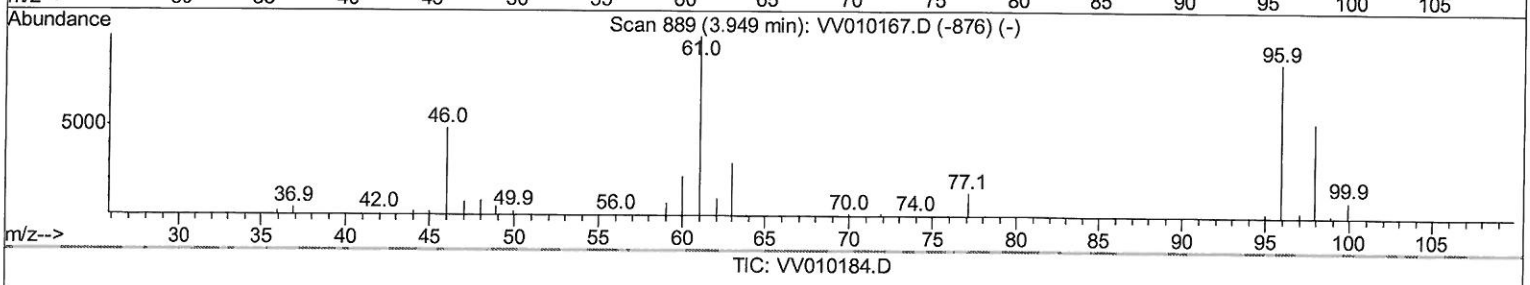


TIC: VV010184.D

(20) 2-Butanone-d5 (S)

4.199min (+0.251) 0.26ug/L

response 180

| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100 | 100 |
| 77.00 | 25.70 | 24.44 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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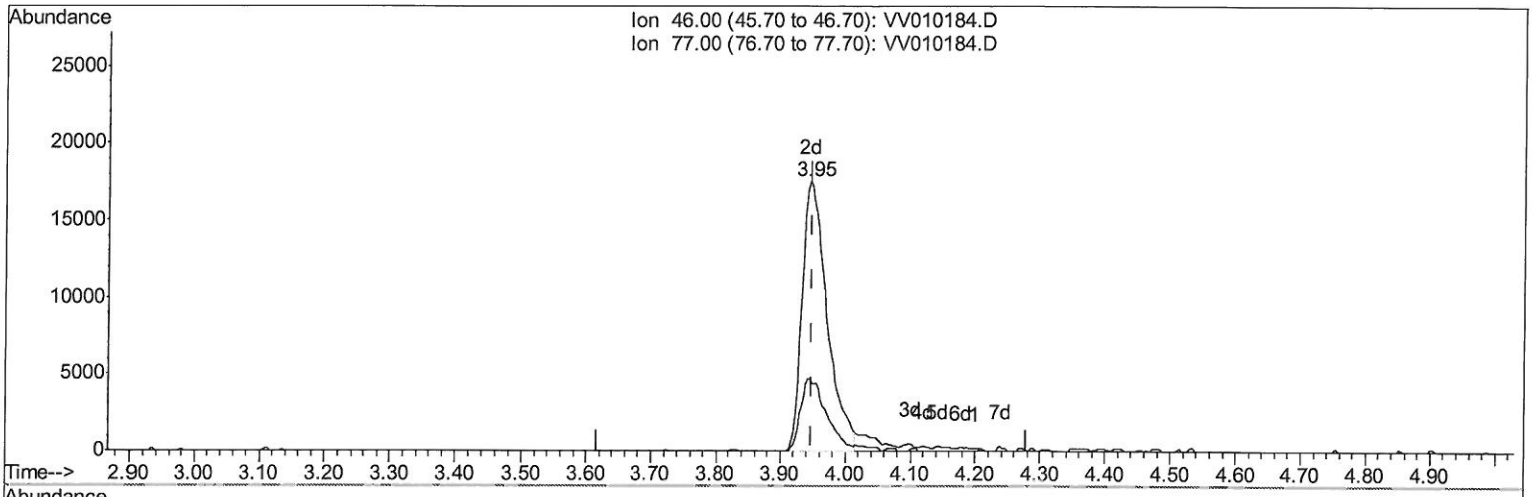
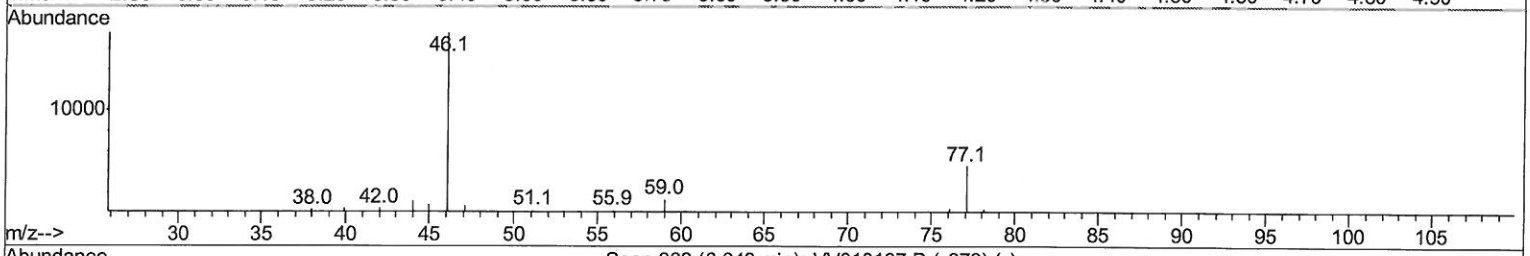
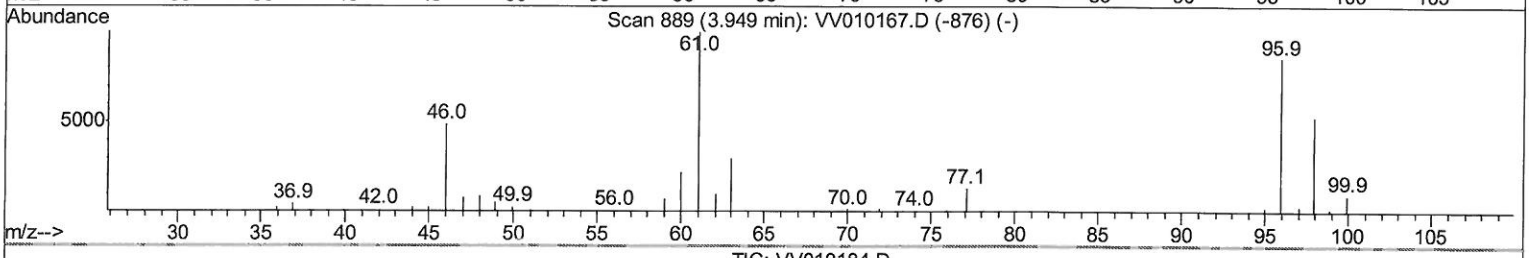
**Manual Integrations APPROVED**
MMDadoda
4/15/2019 12:28:30 AM




TIC: VV010184.D

(20) 2-Butanone-d5 (S)

3.945min (-0.003) 66.17ug/L m

response 46576

| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100 | 100 |
| 77.00 | 25.70 | 0.09# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

SMO
4/9/19

Quantitation Report (QT Reviewed)

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**Instrument :** MSVOA_V
**ClientSampleId :** ETJ44

**Manual Integrations APPROVED**
MMDadoda
4/15/2019 12:28:30 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 184764 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 114403 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 20824 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 53197 | 21.51 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 86.04% | | | |
| 7) Chloroethane-d5 | 1.57 | 69 | 74096 | 24.12 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 96.48% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.13 | 63 | 106296 | 17.04 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 68.16% | | | |
| 20) 2-Butanone-d5 | 3.95 | 46 | 46576m | 66.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 132.34% | | | |
| 24) Chloroform-d | 4.40 | 84 | 123097 | 26.45 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 105.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 75392 | 28.95 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 115.80% | | | |
| 29) Benzene-d6 | 5.10 | 84 | 231447 | 39.01 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 156.04%# | | | |
| 33) 1,2-Dichloropropane-d6 | 6.12 | 67 | 80233 | 45.82 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 183.28%# | | | |
| 37) Toluene-d8 | 7.36 | 98 | 173285 | 30.32 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 121.28% | | | |
| 38) trans-1,3-Dichloropropene- | 7.67 | 79 | 19162 | 25.60 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 102.40% | | | |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 29537 | 84.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 168.22%# | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 62935 | 36.45 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 145.80%# | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 24167 | 29.79 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 119.16% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 13) Acetone | 2.20 | 43 | 4920 | 7.070 | ug/L | 93 |
| 16) Methylene chloride | 2.53 | 84 | 16151 | 4.975 | ug/L | 97 |
| 34) Benzene | 5.15 | 78 | 46328 | 8.281 | ug/L | 100 |
| 36) Methylcyclohexane | 6.17 | 83 | 2400 | 0.995 | ug/L # | 76 |
| 44) Toluene | 7.43 | 91 | 9339 | 1.487 | ug/L | 96 |
| 47) Tetrachloroethene | 8.02 | 164 | 1660 | 1.232 | ug/L | 91 |
| 53) Ethylbenzene | 9.05 | 91 | 4819 | 0.700 | ug/L | 95 |
| 54) m,p-Xylene | 9.18 | 106 | 4130 | 1.541 | ug/L | 95 |

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

DMD 4/9/19