Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\

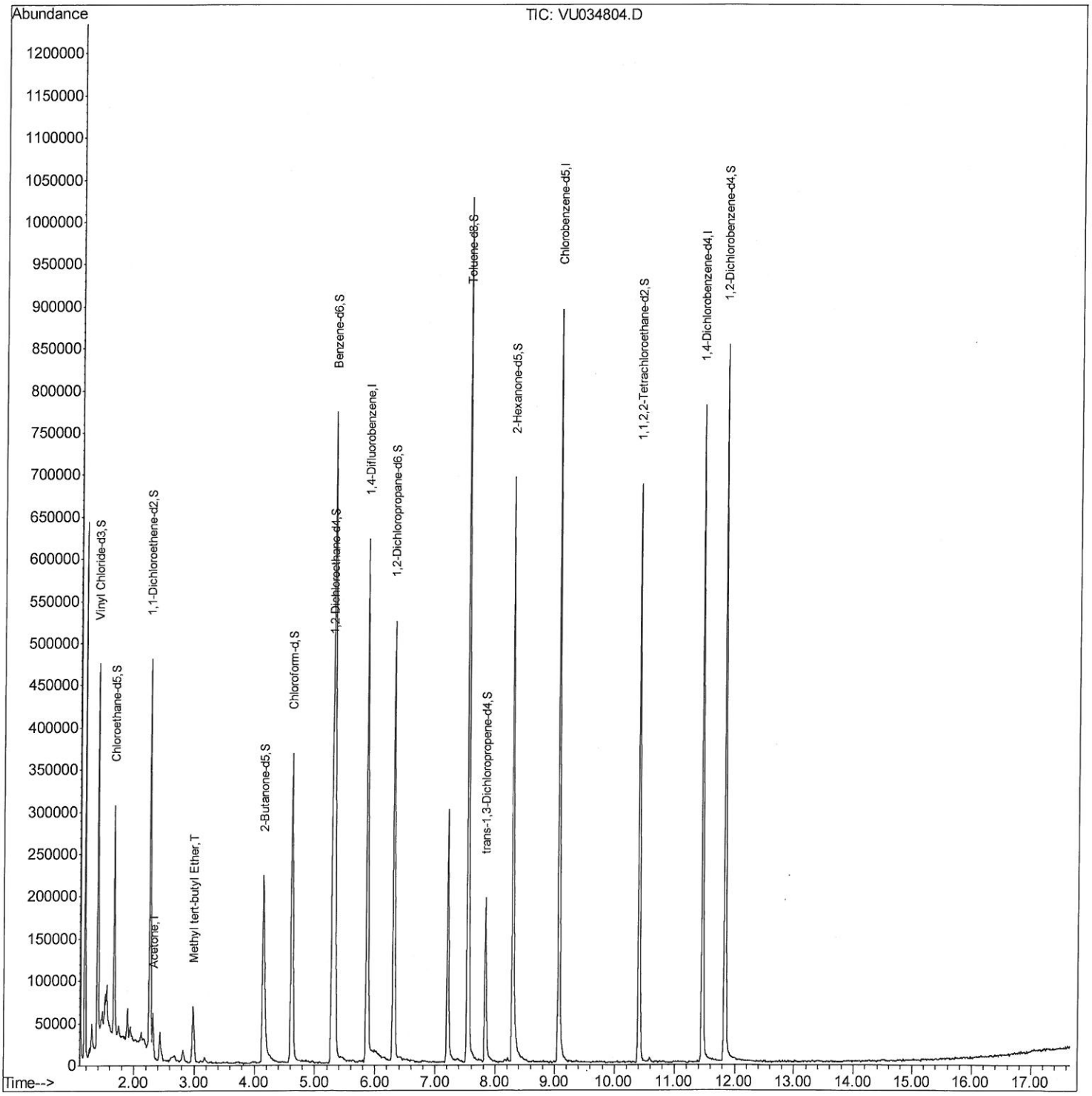
Quantitation Report (QT Reviewed)

Data File : VU034804.D
Acq On : 25 Sep 2019 15:40
Operator : JC/SP
Sample : K5001-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 26 06:02:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 04:40:46 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFCZ1

**Manual Integrations APPROVED**
MMDadoda
9/26/2019 1:05:25 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\

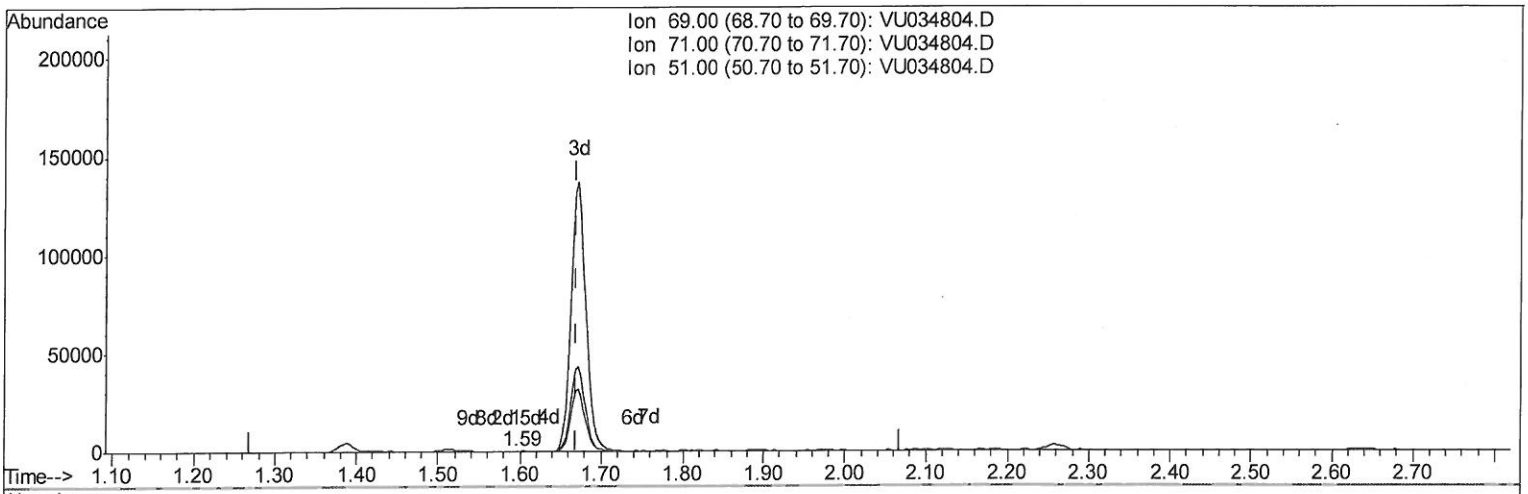
Quantitation Report (Qedit)

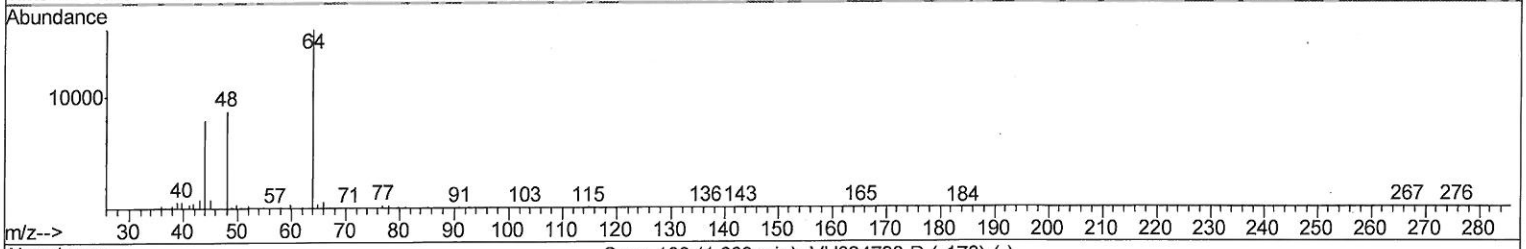
Data File : VU034804.D
Acq On : 25 Sep 2019 15:40
Operator : JC/SP
Sample : K5001-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

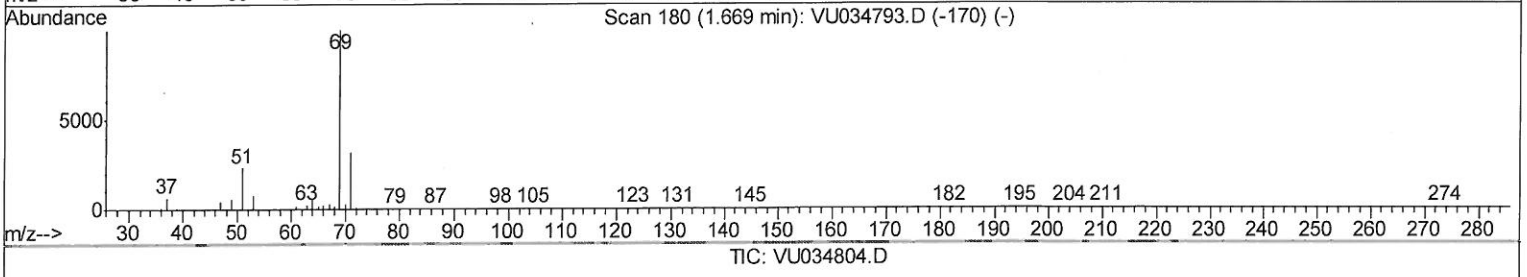
Quant Time: Sep 26 04:44:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 04:40:46 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFCZ1

**Manual Integrations APPROVED**
MMDadoda
9/26/2019 1:05:25 PM




TIC: VU034804.D

(7) Chloroethane-d5 (S)

1.595min (-0.074) 0.04ug/L

response 165

| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 71.00 | 31.80 | 26.06 |
| 51.00 | 32.70 | 33.94 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\

Quantitation Report (Qedit)

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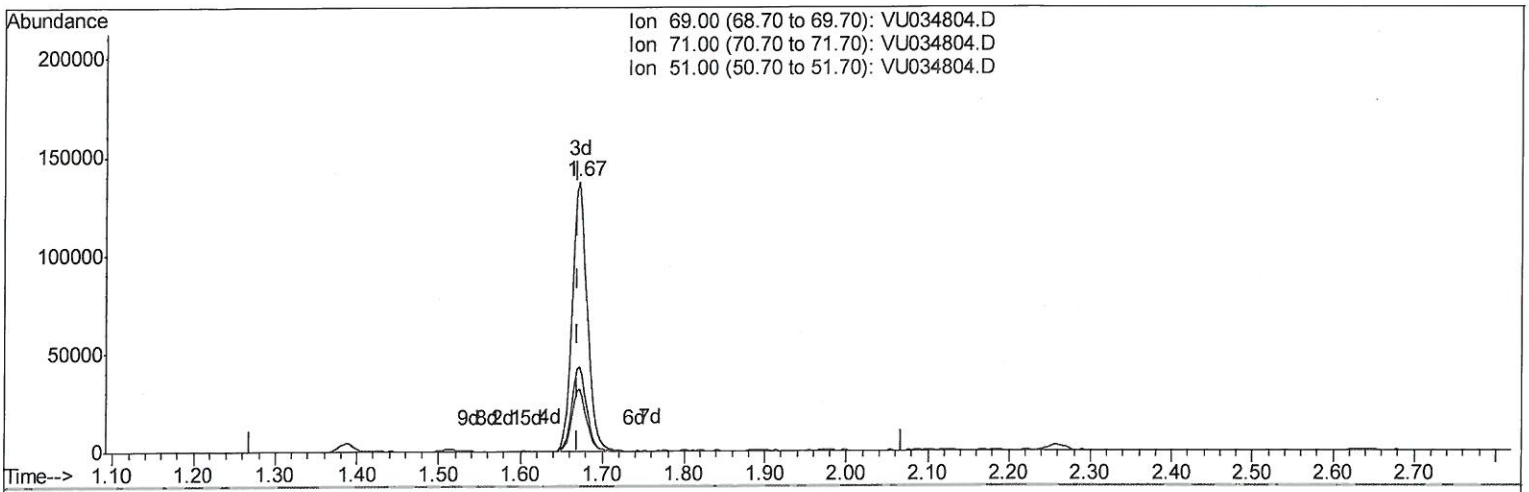
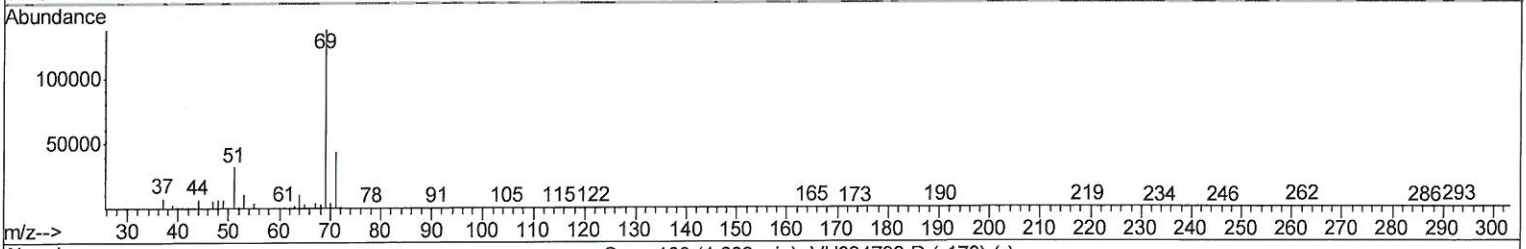
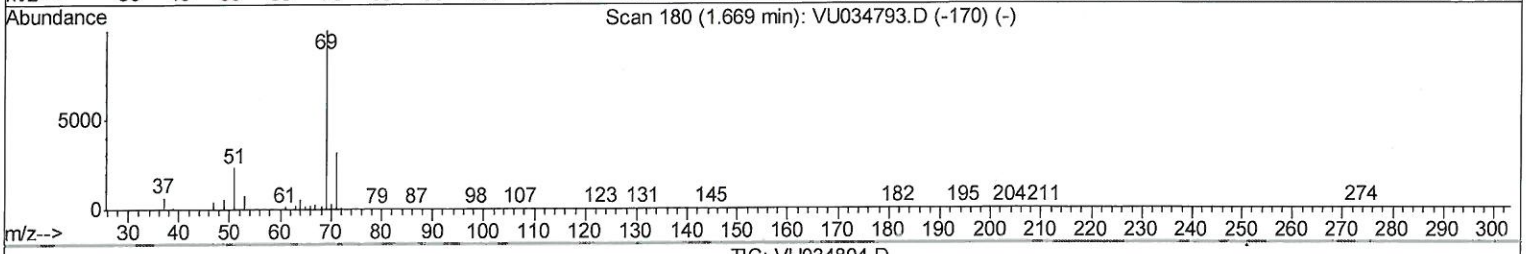
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 04:40:46 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFCZ1

**Manual Integrations APPROVED**
MMDadoda
9/26/2019 1:05:25 PM




TIC: VU034804.D

(7) Chloroethane-d5 (S)

1.672min (+0.003) 44.61ug/L m

response 175156

| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 71.00 | 31.80 | 0.02# |
| 51.00 | 32.70 | 0.03# |
| 0.00 | 0.00 | 0.00 |

7 MB
9/30/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\

Quantitation Report (QT Reviewed)

Data File : VU034804.D
Acq On : 25 Sep 2019 15:40
Operator : JC/SP
Sample : K5001-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFCZ1

**Manual Integrations APPROVED**
MMDadoda
9/26/2019 1:05:25 PM

Quant Time: Sep 26 06:02:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 04:40:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.86 | 114 | 496192 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.07 | 117 | 465506 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152 | 194757 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 199442 | 39.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 78.52% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 175156m | 44.61 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 89.22% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.26 | 63 | 264587 | 30.76 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 61.52% | | | |
| 21) 2-Butanone-d5 | 4.15 | 46 | 385754 | 99.08 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 99.08% | | | |
| 24) Chloroform-d | 4.62 | 84 | 337218 | 45.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 91.32% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.29 | 65 | 241683 | 44.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 89.04% | | | |
| 32) Benzene-d6 | 5.32 | 84 | 719690 | 49.88 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 99.76% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.31 | 67 | 253186 | 50.20 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 100.40% | | | |
| 41) Toluene-d8 | 7.54 | 98 | 667773 | 48.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.30% | | | |
| 43) trans-1,3-Dichloropropene- | 7.83 | 79 | 108469 | 44.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 89.82% | | | |
| 47) 2-Hexanone-d5 | 8.29 | 63 | 250959 | 99.08 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 99.08% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84 | 328222 | 46.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 93.82% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.84 | 152 | 214471 | 52.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 105.04% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.31 | 43 | 58041 | 12.816 | ug/L | 96 |
| 18) Methyl tert-butyl Ether | 2.98 | 73 | 66426 | 5.044 | ug/L | 95 |

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