Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051119\

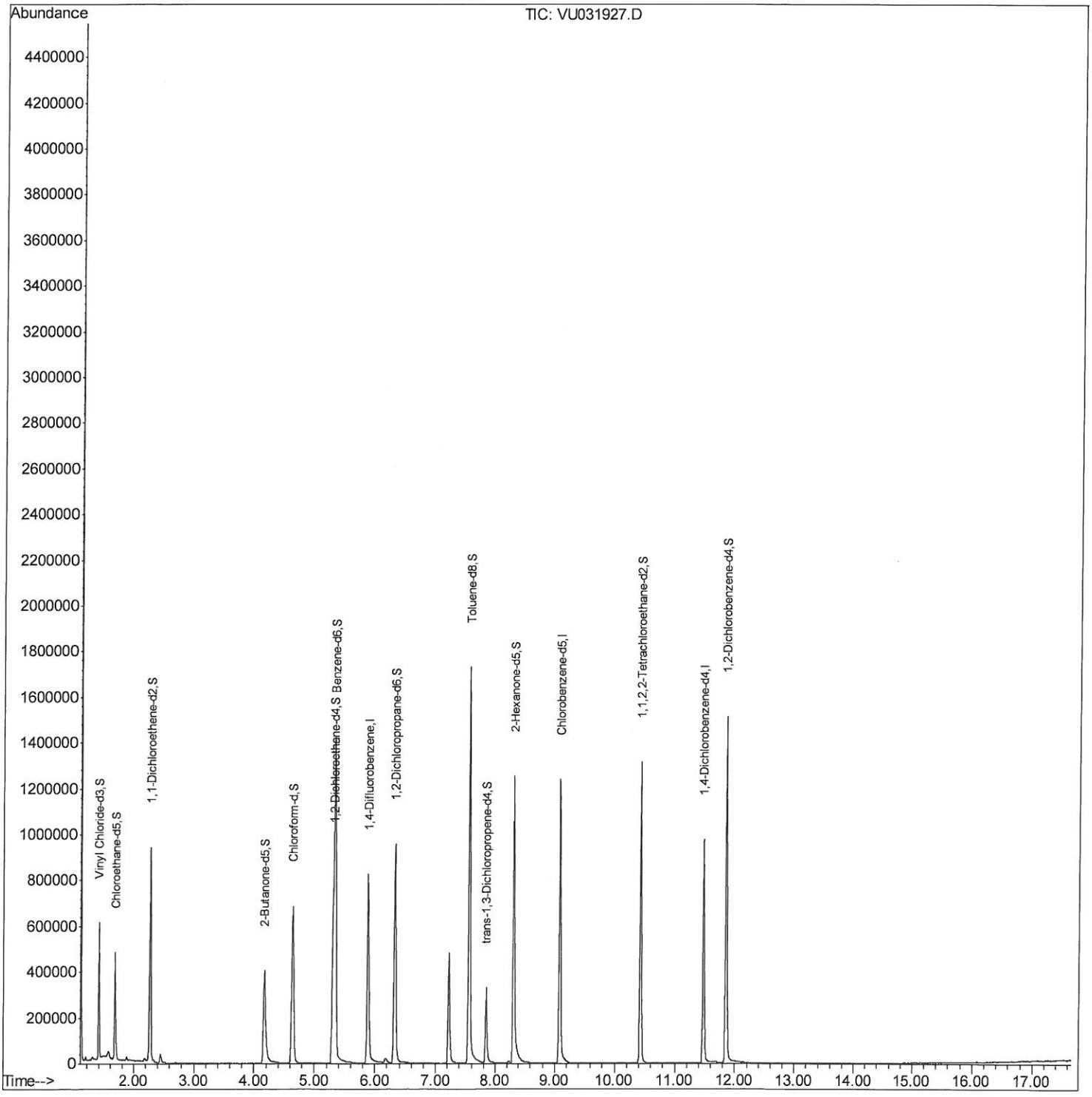
Quantitation Report (QT Reviewed)

Data File : VU031927.D
Acq On : 11 May 2019 13:39
Operator : JC/SP
Sample : K2742-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 13 04:38:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 13 01:54:07 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VHBLK01

**Manual Integrations APPROVED**
MMDadoda
5/13/2019 1:02:25 PM



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051119\

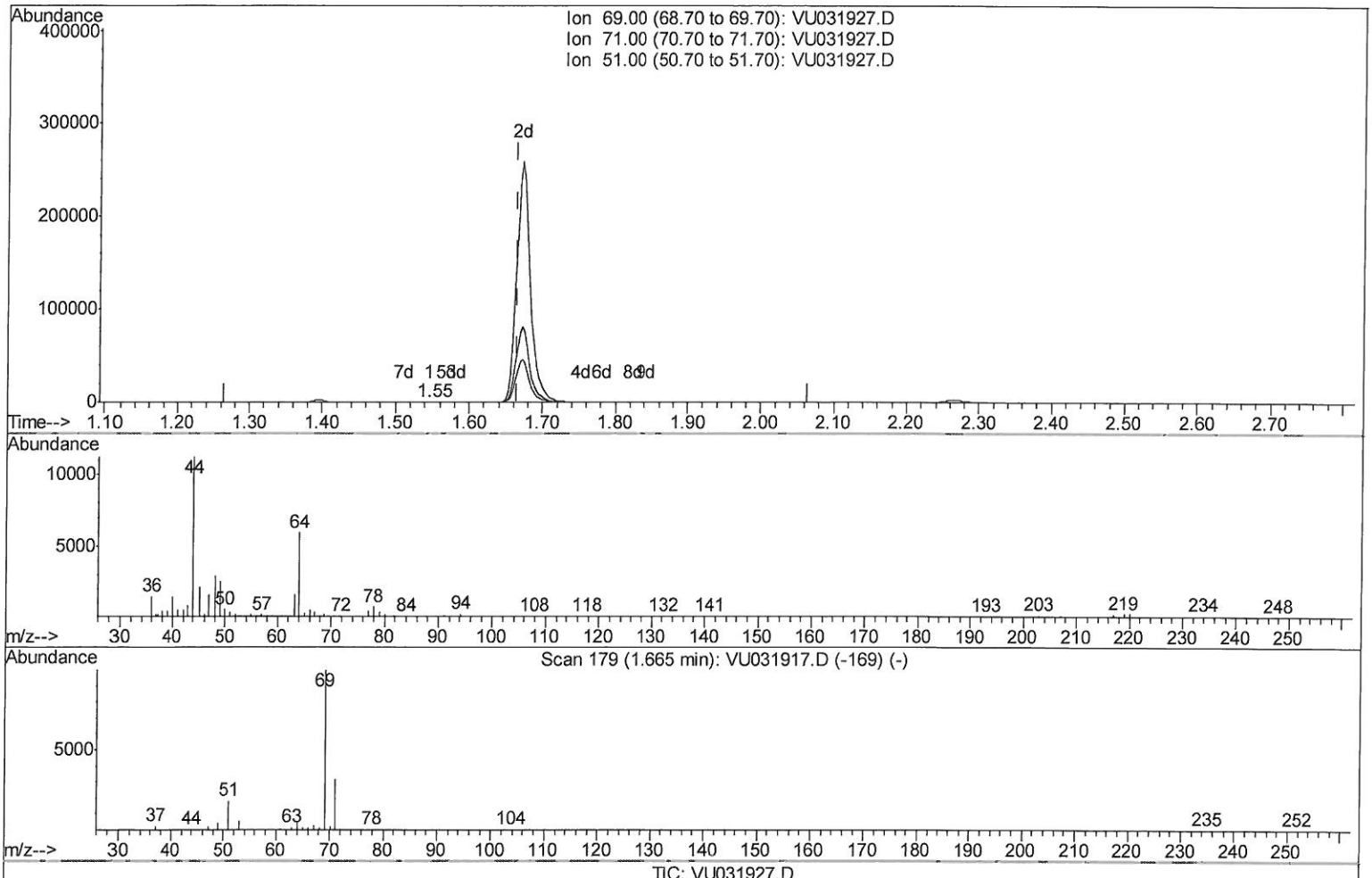
Quantitation Report (Qedit)

Data File : VU031927.D
Acq On : 11 May 2019 13:39
Operator : JC/SP
Sample : K2742-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 13 01:58:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 13 01:54:07 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VHBLK01

**Manual Integrations APPROVED**
MMDadoda
5/13/2019 1:02:25 PM




TIC: VU031927.D

(7) Chloroethane-d5 (S)

1.547min (-0.119) 0.04ug/L

response 187

| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 71.00 | 32.30 | 22.99 |
| 51.00 | 29.10 | 32.62 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051119\

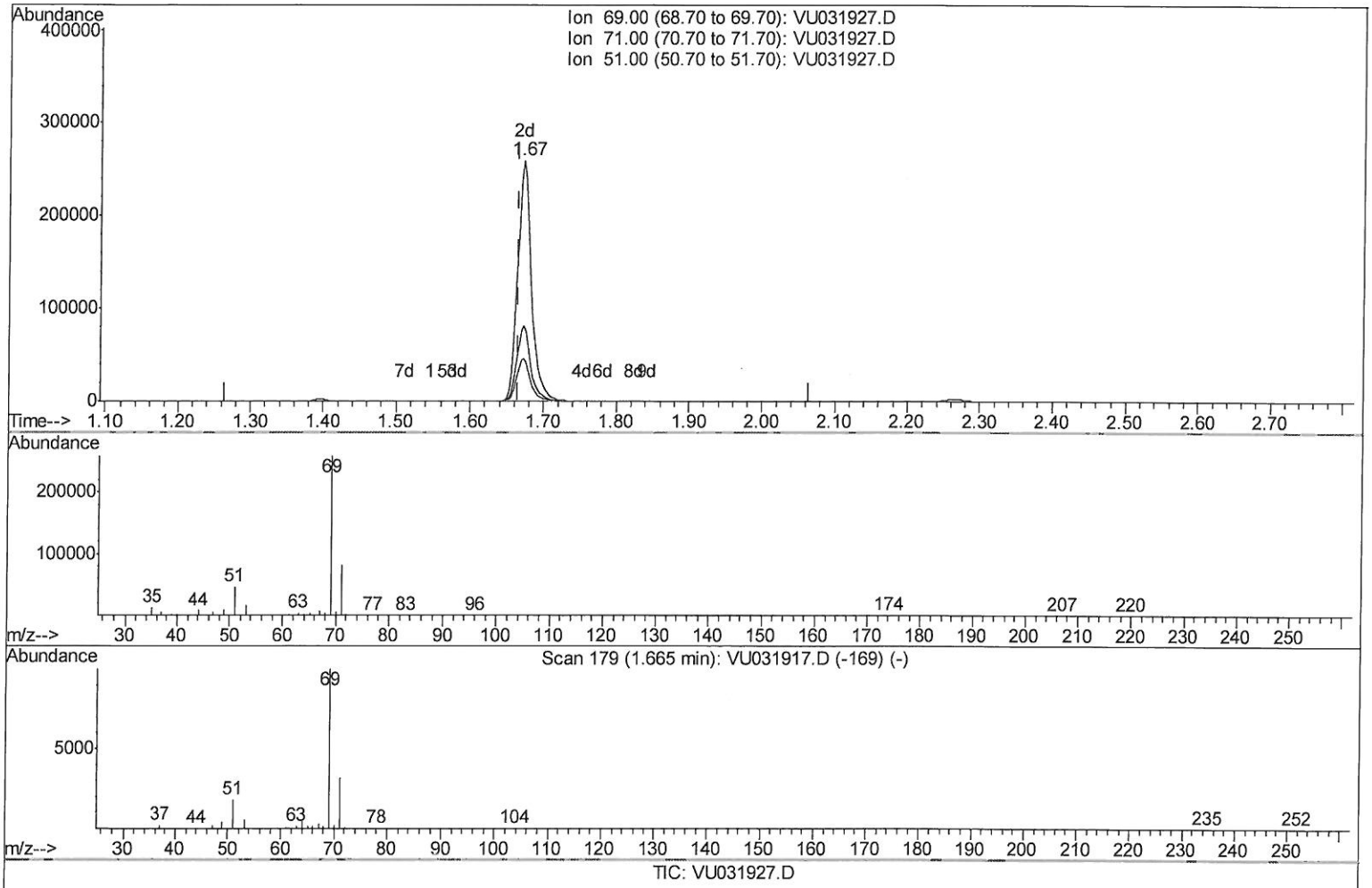
Quantitation Report (Qedit)

Data File : VU031927.D
Acq On : 11 May 2019 13:39
Operator : JC/SP
Sample : K2742-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 13 01:58:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 13 01:54:07 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VHBLK01

**Manual Integrations APPROVED**
MMDadoda
5/13/2019 1:02:25 PM




TIC: VU031927.D

(7) Chloroethane-d5 (S)

1.672min (+0.007) 74.65ug/L m

response 337438

| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 71.00 | 32.30 | 0.01# |
| 51.00 | 29.10 | 0.02# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051119\

Quantitation Report (QT Reviewed)

Data File : VU031927.D
Acq On : 11 May 2019 13:39
Operator : JC/SP
Sample : K2742-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VHBLK01

**Manual Integrations APPROVED**
MMDadoda
5/13/2019 1:02:25 PM

Quant Time: May 13 04:38:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 13 01:54:07 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 698883 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 715897 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 254571 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 388227 | 66.37 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 132.74% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 337438m | 74.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 149.30%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 544522 | 46.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 93.50% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 669887 | 126.40 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 126.40% | | | |
| 24) Chloroform-d | 4.64 | 84 | 696578 | 65.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 130.06%# | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 467271 | 66.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 133.54%# | | | |
| 32) Benzene-d6 | 5.33 | 84 | 1447536 | 65.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 131.70%# | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 495922 | 64.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 128.24%# | | | |
| 41) Toluene-d8 | 7.56 | 98 | 1203822 | 62.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 125.74%# | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 201612 | 60.73 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 121.46% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 430218 | 128.51 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 128.51% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 688994 | 66.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 132.76%# | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 398400 | 74.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 148.84%# | | | |

| Target Compounds | Qvalue |
|---|---|

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

JMC 5/15/19