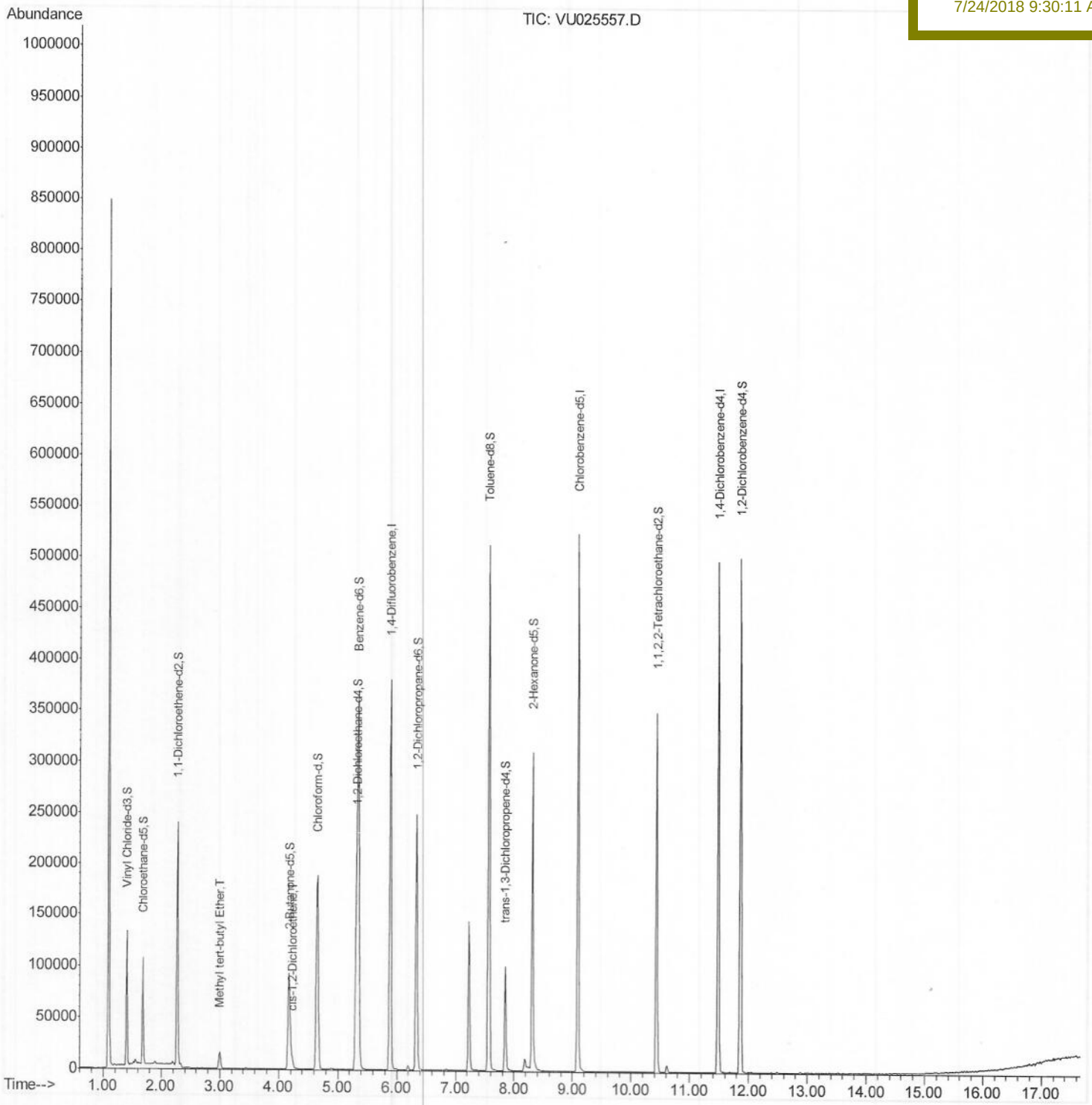
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072018\
Data File : VU025557.D
Acq On : 20 Jul 2018 21:13
Operator : MD/SY
Sample : J4097-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jul 23 07:26:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 21 02:53:20 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0AA6

**Manual Integrations APPROVED**
MMDadoda
7/24/2018 9:30:11 AM



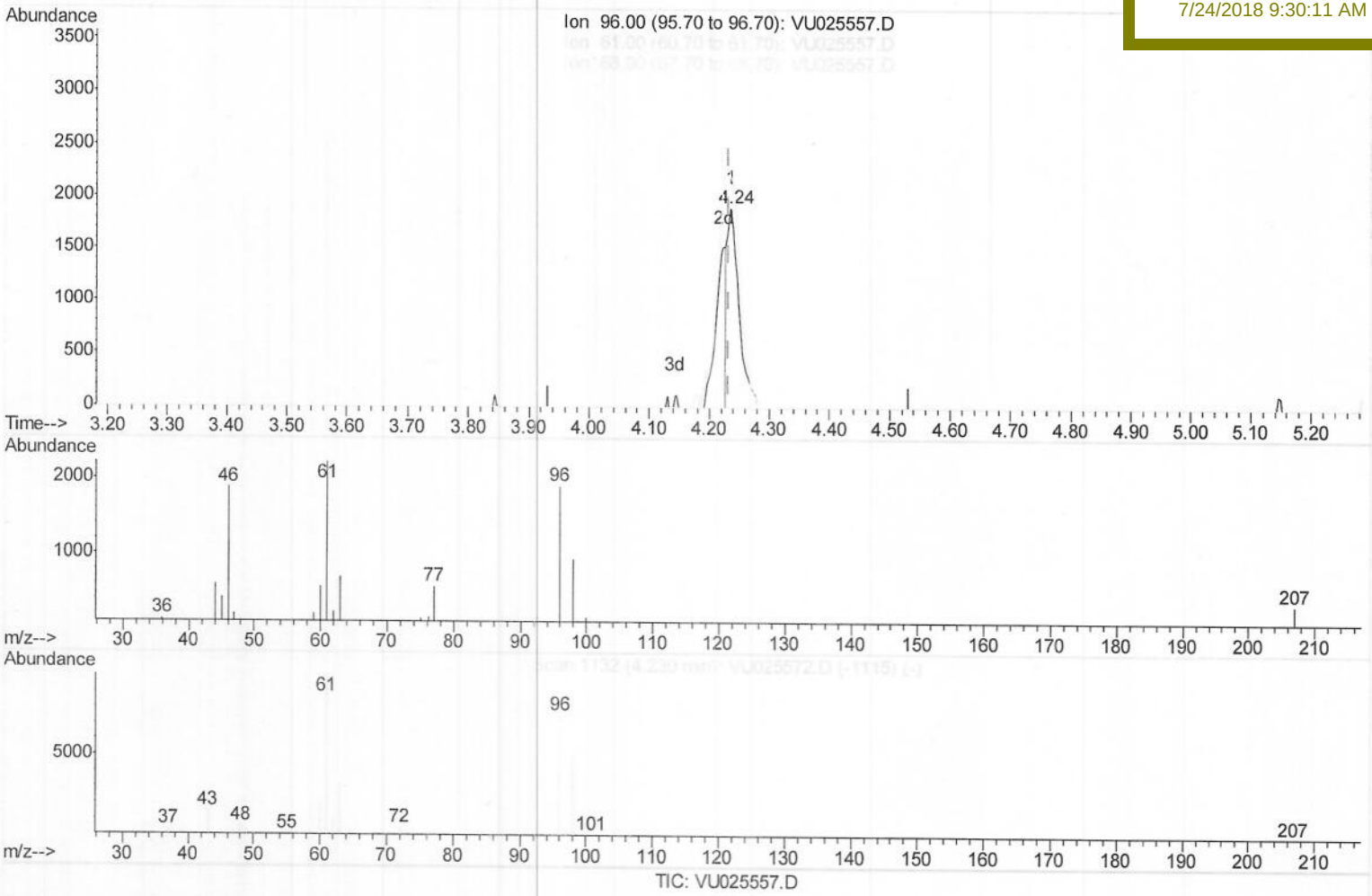
Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072018\
Data File : VU025557.D
Acq On : 20 Jul 2018 21:13
Operator : MD/SY
Sample : J4097-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jul 21 03:25:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 21 02:53:20 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0AA6

**Manual Integrations APPROVED**
MMDadoda
7/24/2018 9:30:11 AM




TIC: VU025557.D

(20) cis-1,2-Dichloroethene (T)

4.236min (+0.003) 1.11ug/L

response 2611

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 61.00 | 124.80 | 116.39 |
| 68.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072018\
Data File : VU025557.D
Acq On : 20 Jul 2018 21:13
Operator : MD/SY
Sample : J4097-07
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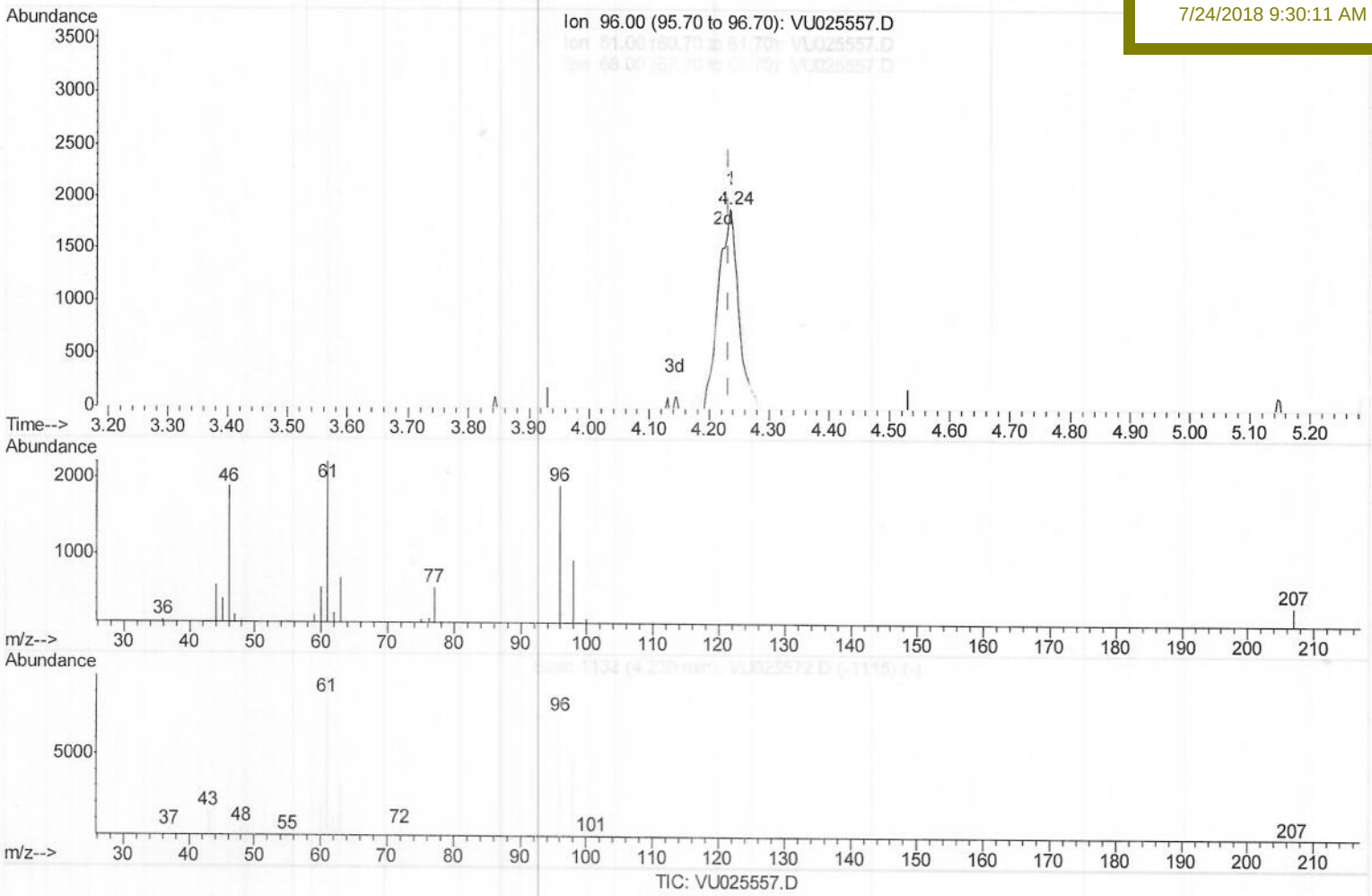
Quant Title : VOC Analysis
QLast Update : Sat Jul 21 02:53:20 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0AA6

**Manual Integrations APPROVED**
MMDadoda
7/24/2018 9:30:11 AM



TIC: VU025557.D

(20) cis-1,2-Dichloroethene (T)

4.236min (+0.003) 1.87ug/L m

response 4376

MD 07/24/18

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 61.00 | 124.80 | 116.39 |
| 68.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072018\
Data File : VU025557.D
Acq On : 20 Jul 2018 21:13
Operator : MD/SY
Sample : J4097-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jul 23 07:26:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 21 02:53:20 2018
Response via : Initial Calibration

**Instrument :** MSVOA_U
**ClientSampleId :** H0AA6

**Manual Integrations APPROVED**
MMDadoda
7/24/2018 9:30:11 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.89 | 114 | 319834 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 291035 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 133630 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 80399 | 44.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 88.06% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 69663 | 46.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 92.50% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 132508 | 34.86 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 69.72% | | | |
| 21) 2-Butanone-d5 | 4.18 | 46 | 146419 | 103.87 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 103.87% | | | |
| 24) Chloroform-d | 4.65 | 84 | 186497 | 45.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 91.70% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 130692 | 48.59 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.18% | | | |
| 32) Benzene-d6 | 5.35 | 84 | 365313 | 48.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.88% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.34 | 67 | 119490 | 49.68 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 99.36% | | | |
| 41) Toluene-d8 | 7.57 | 98 | 339358 | 47.41 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 94.82% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 55805 | 45.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 90.84% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 110948 | 110.17 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 110.17% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44 | 84 | 162433 | 48.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 96.58% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 136350 | 50.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.70% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 18) Methyl tert-butyl Ether | 3.00 | 73 | 15337 | 2.266 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 4.24 | 96 | 4376m | 1.865 | ug/L | |

MP 07/24/18

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