Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\

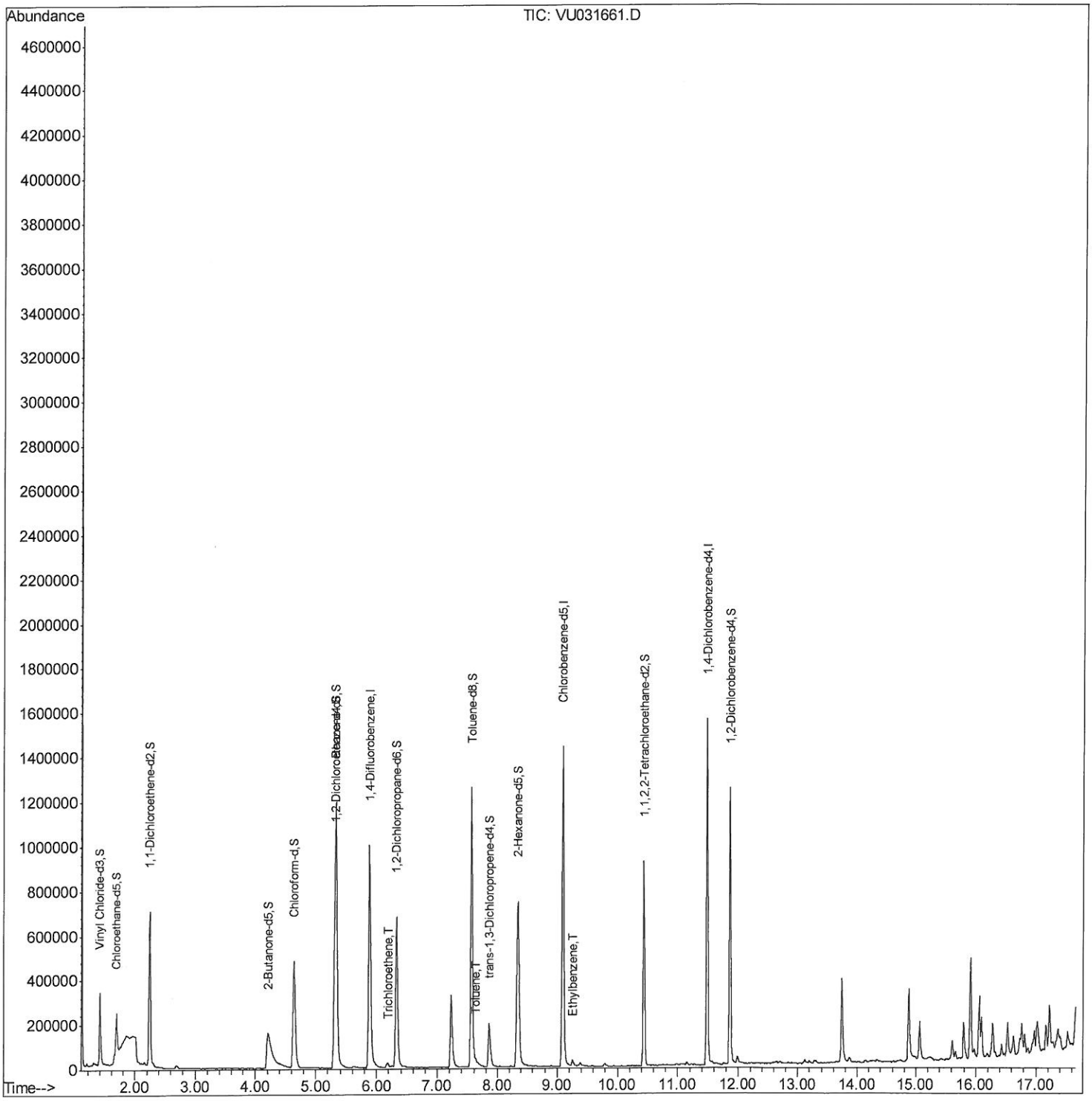
Quantitation Report (QT Reviewed)

Data File : VU031661.D
Acq On : 01 May 2019 02:35
Operator : JC/SP
Sample : K2604-14
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 01 05:40:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 04:42:38 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAJ88

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 9:54:26 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\

Quantitation Report (Qedit)

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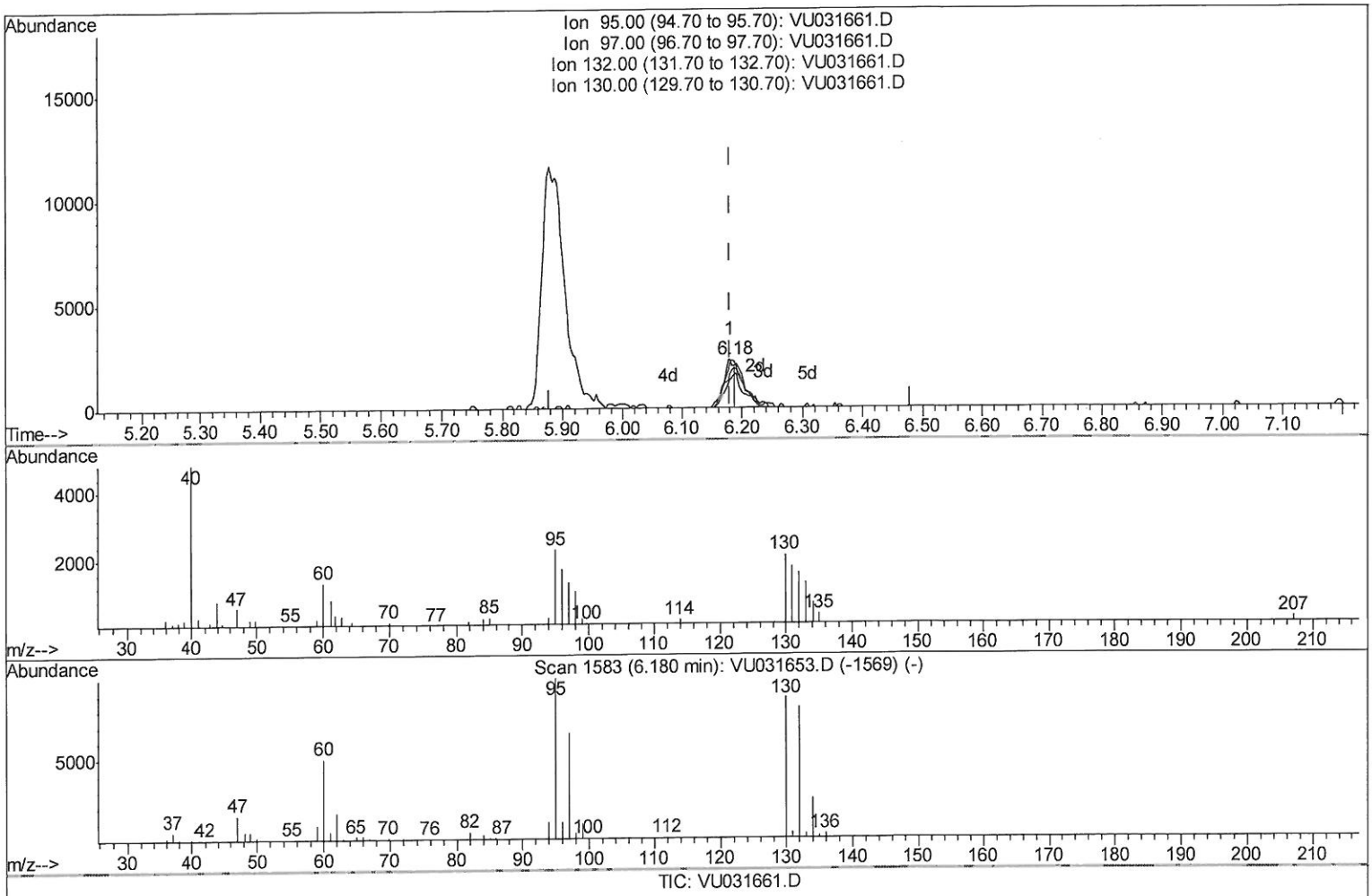
Quant Title : VOC Analysis
QLast Update : Wed May 01 04:42:38 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAJ88

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 9:54:26 AM




TIC: VU031661.D

(34) Trichloroethene (T)

6.180min (+0.000) 0.33ug/L

response 2697

| Ion | Exp% | Act% |
|---|---|---|
| 95.00 | 100 | 100 |
| 97.00 | 64.00 | 57.96 |
| 132.00 | 90.10 | 68.60 |
| 130.00 | 95.00 | 92.11 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\

Quantitation Report (Qedit)

Data File : VU031661.D
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Operator : JC/SP
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Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
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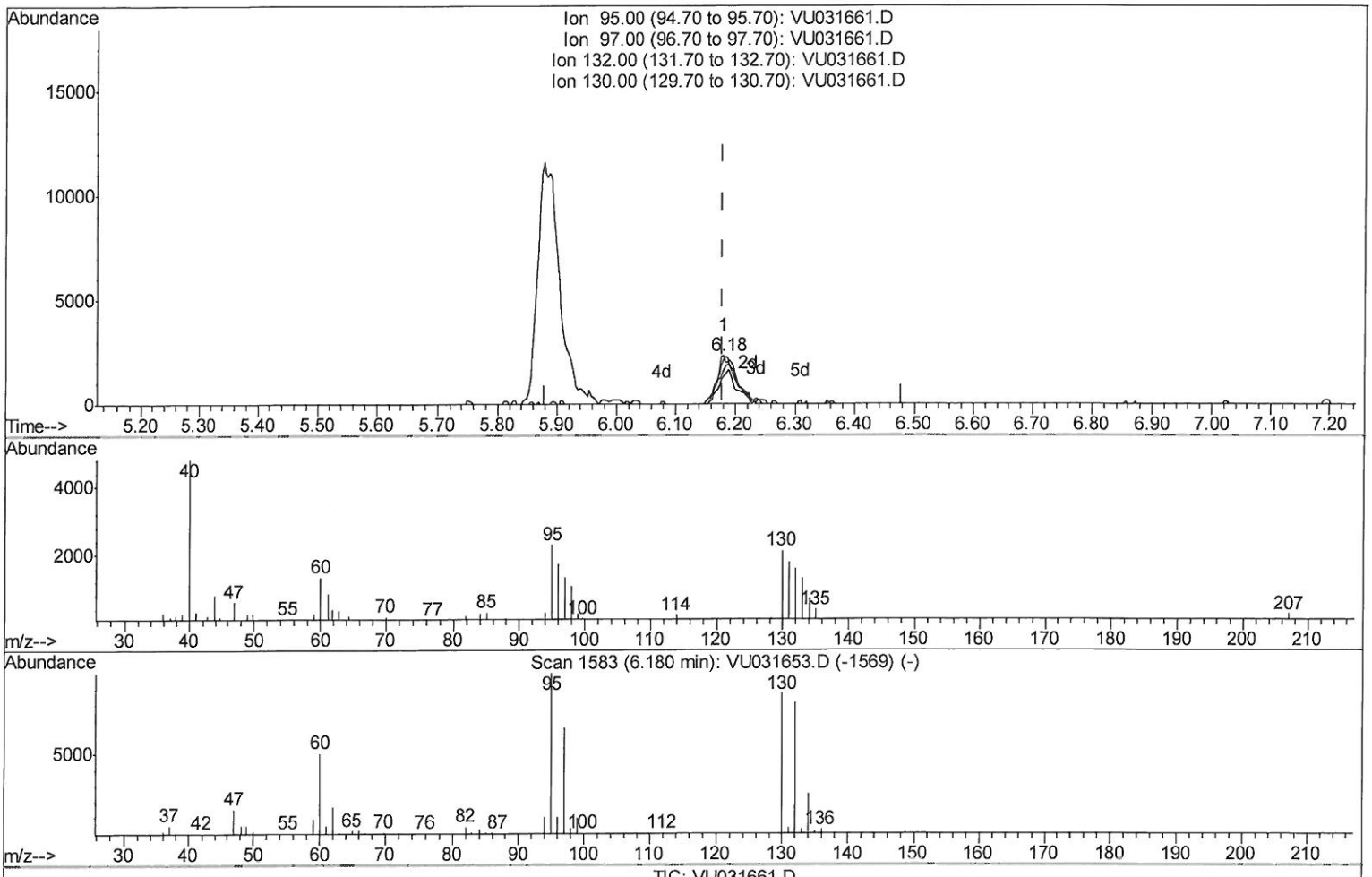
Quant Title : VOC Analysis
QLast Update : Wed May 01 04:42:38 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAJ88

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 9:54:26 AM




TIC: VU031661.D

(34) Trichloroethene (T)

6.180min (+0.000) 0.65ug/L m

response 5306

> MD 5/2/19

| Ion | Exp% | Act% |
|---|---|---|
| 95.00 | 100 | 100 |
| 97.00 | 64.00 | 57.96 |
| 132.00 | 90.10 | 68.60 |
| 130.00 | 95.00 | 92.11 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\

Quantitation Report (QT Reviewed)

Data File : VU031661.D
Acq On : 01 May 2019 02:35
Operator : JC/SP
Sample : K2604-14
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAJ88

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 9:54:26 AM

Quant Time: May 01 05:40:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 04:42:38 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 955338 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 909276 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 373758 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 307707 | 38.49 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = | 76.98% | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 196454 | 31.80 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = | 63.60%# | | |
| 11) 1,1-Dichloroethene-d2 | 2.24 | 63 | 469277 | 29.47 | ug/L | -0.03 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = | 58.94%# | | |
| 21) 2-Butanone-d5 | 4.21 | 46 | 563339 | 77.76 | ug/L | 0.03 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = | 77.76% | | |
| 24) Chloroform-d | 4.64 | 84 | 554469 | 37.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 75.74% | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 389436 | 40.71 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 81.42% | | |
| 32) Benzene-d6 | 5.33 | 84 | 1141493 | 40.88 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 81.76% | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 400701 | 40.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = | 81.58% | | |
| 41) Toluene-d8 | 7.56 | 98 | 955172 | 39.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = | 78.56%# | | |
| 43) trans-1,3-Dichloropropene- | 7.86 | 79 | 162378 | 38.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = | 77.02% | | |
| 47) 2-Hexanone-d5 | 8.34 | 63 | 402348 | 94.63 | ug/L | 0.03 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = | 94.63% | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44 | 84 | 488939 | 37.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = | 74.18% | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 315195 | 40.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = | 80.20% | | |
| **Target Compounds** | | | | | | Qvalue |
| 34) Trichloroethene | 6.18 | 95 | 5306m | 0.655 | ug/L | |
| 42) Toluene | 7.64 | 91 | 17990 | 0.540 | ug/L | 88 |
| 52) Ethylbenzene | 9.25 | 91 | 20603 | 0.596 | ug/L | 87 |

MD 5/2/19

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