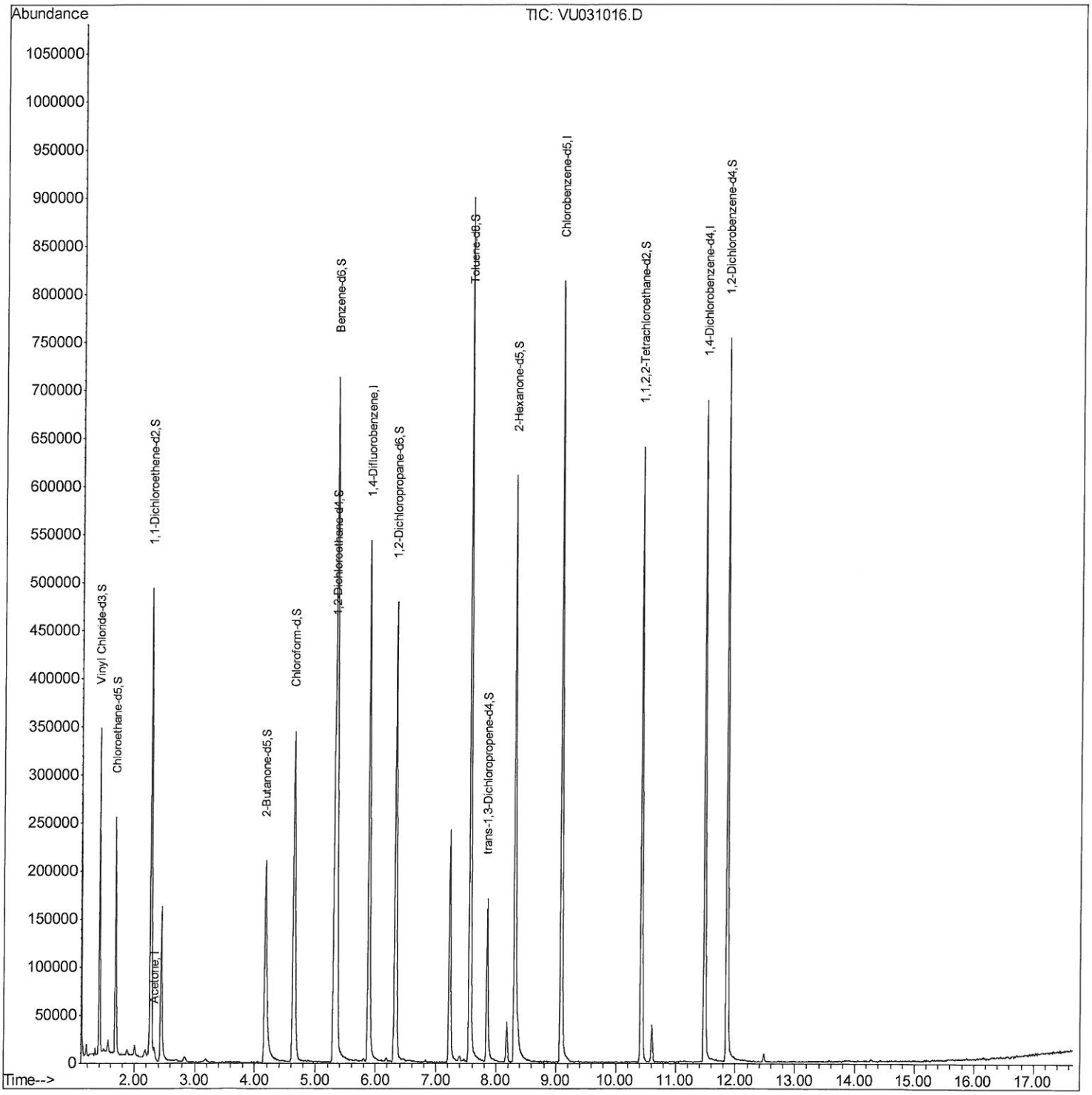
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031016.D
Acq On : 10 Apr 2019 17:18
Operator : JC/SP
Sample : K2340-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 05:35:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF2R1

**Manual Integrations APPROVED**
MMDadoda
4/12/2019 5:43:49 PM



Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031016.D
Acq On : 10 Apr 2019 17:18
Operator : JC/SP
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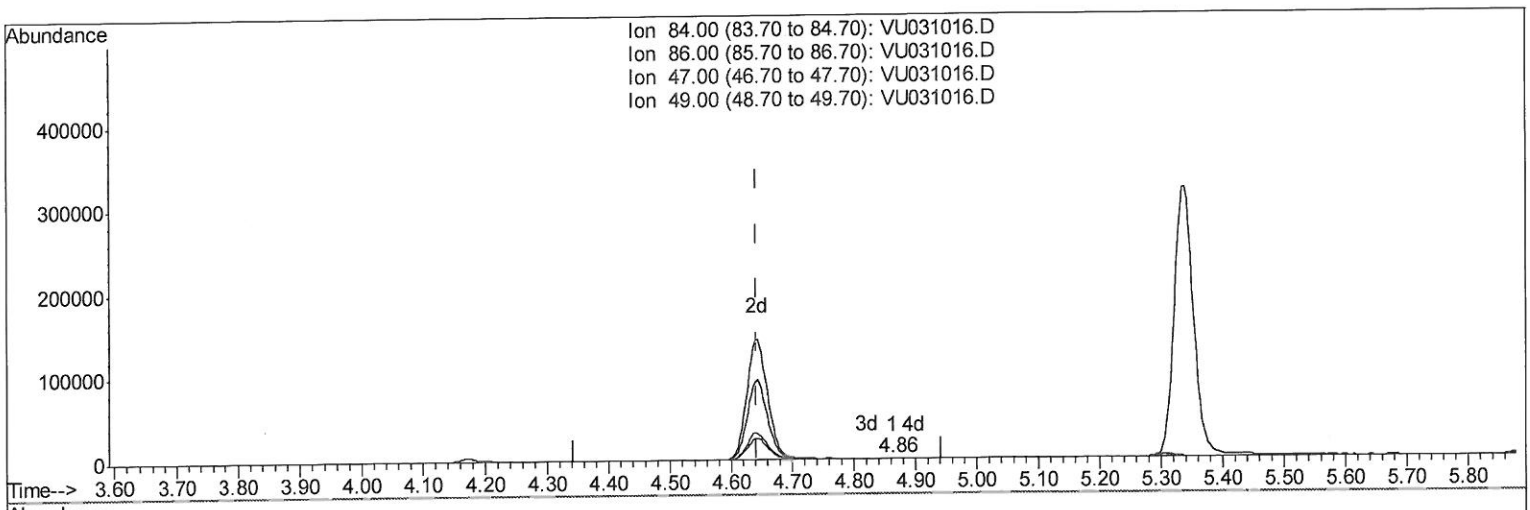
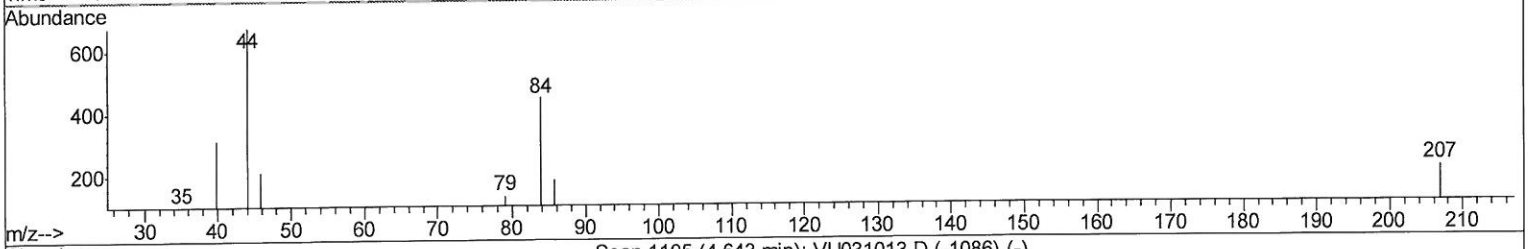
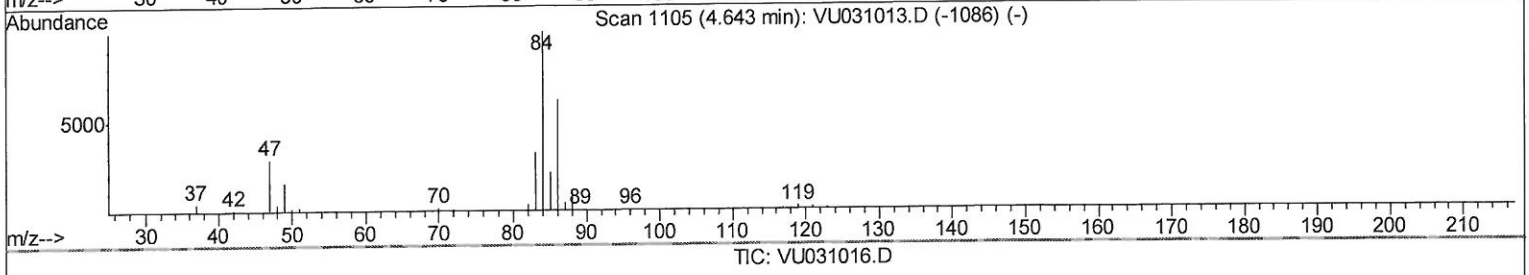
**Manual Integrations APPROVED**
MMDadoda
4/12/2019 5:43:49 PM




TIC: VU031016.D

(24) Chloroform-d (S)

4.862min (+0.219) 0.02ug/L

response 139

| Ion | Exp% | Act% |
|---|---|---|
| 84.00 | 100 | 100 |
| 86.00 | 62.90 | 70.50 |
| 47.00 | 47.00 | 55.40 |
| 49.00 | 26.80 | 32.37 |

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
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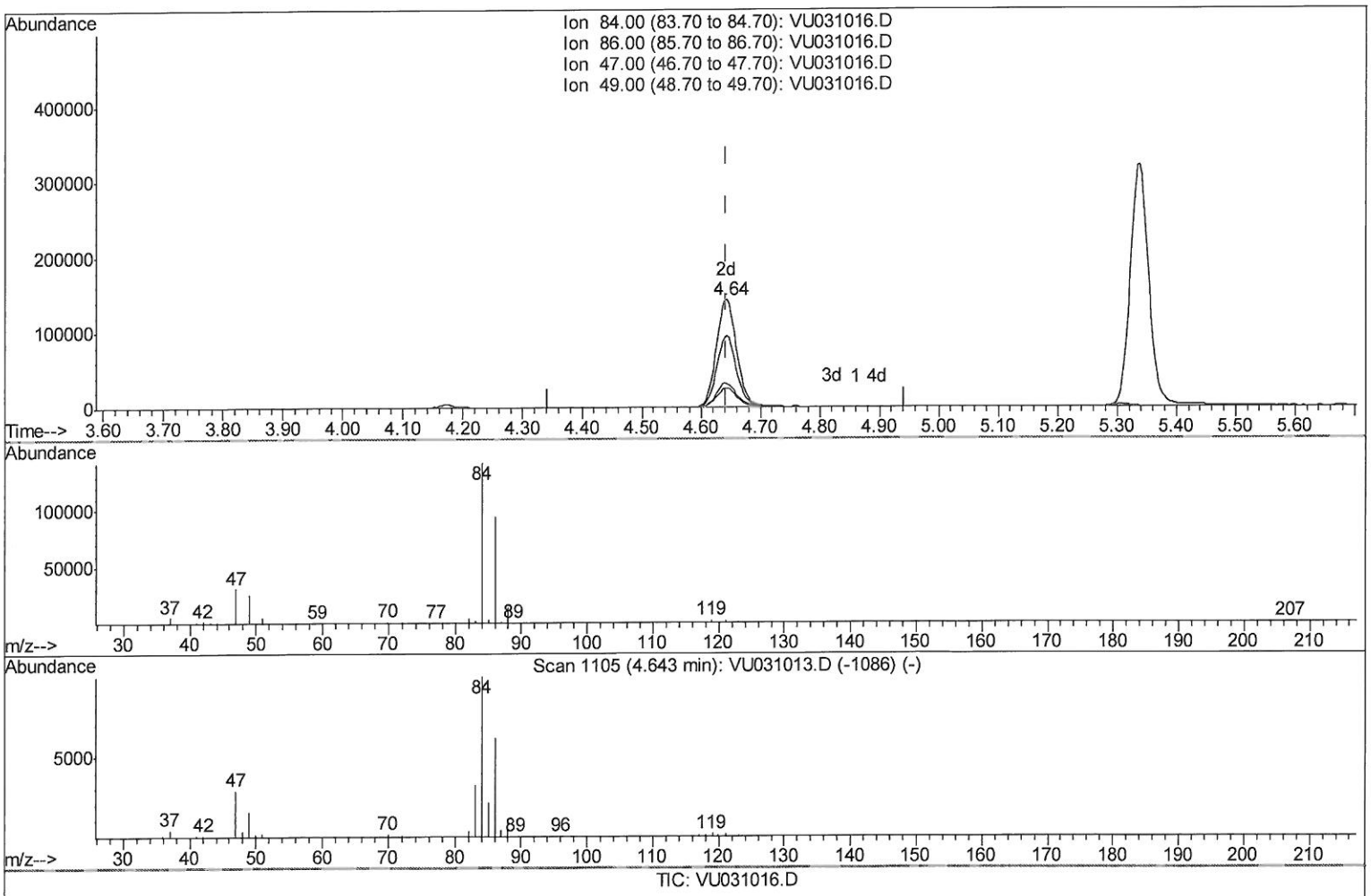
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF2R1

**Manual Integrations APPROVED**
MMDadoda
4/12/2019 5:43:49 PM










TIC: VU031016.D

(24) Chloroform-d (S)

4.643min (+0.000) 55.25ug/L m

response 338520

JMD 4/13/19

| Ion | Exp% | Act% |
|---|---|---|
| 84.00 | 100 | 100 |
| 86.00 | 62.90 | 0.03# |
| 47.00 | 47.00 | 0.02# |
| 49.00 | 26.80 | 0.01# |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031016.D
Acq On : 10 Apr 2019 17:18
Operator : JC/SP
Sample : K2340-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 05:35:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration

**Instrument :** MSVOA_U
**ClientSampleId :** BF2R1

**Manual Integrations APPROVED**
MMDadoda
4/12/2019 5:43:49 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 449293 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 447888 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 180423 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 215220 | 53.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 107.32% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 175323 | 57.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 115.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 286666 | 39.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 79.04% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 345311 | 108.63 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 108.63% | | | |
| 24) Chloroform-d | 4.64 | 84 | 338520m | 55.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 110.50% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 240138 | 57.44 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 114.88% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 692777 | 52.98 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 105.96% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 239206 | 53.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 106.76% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 595070 | 51.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.70% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 101162 | 49.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 99.02% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 206617 | 100.89 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 100.89% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 327301 | 54.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 108.30% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 208147 | 58.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 117.32% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.32 | 43 | 11530 | 3.545 | ug/L | 96 |

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

MMD 4/13/19