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

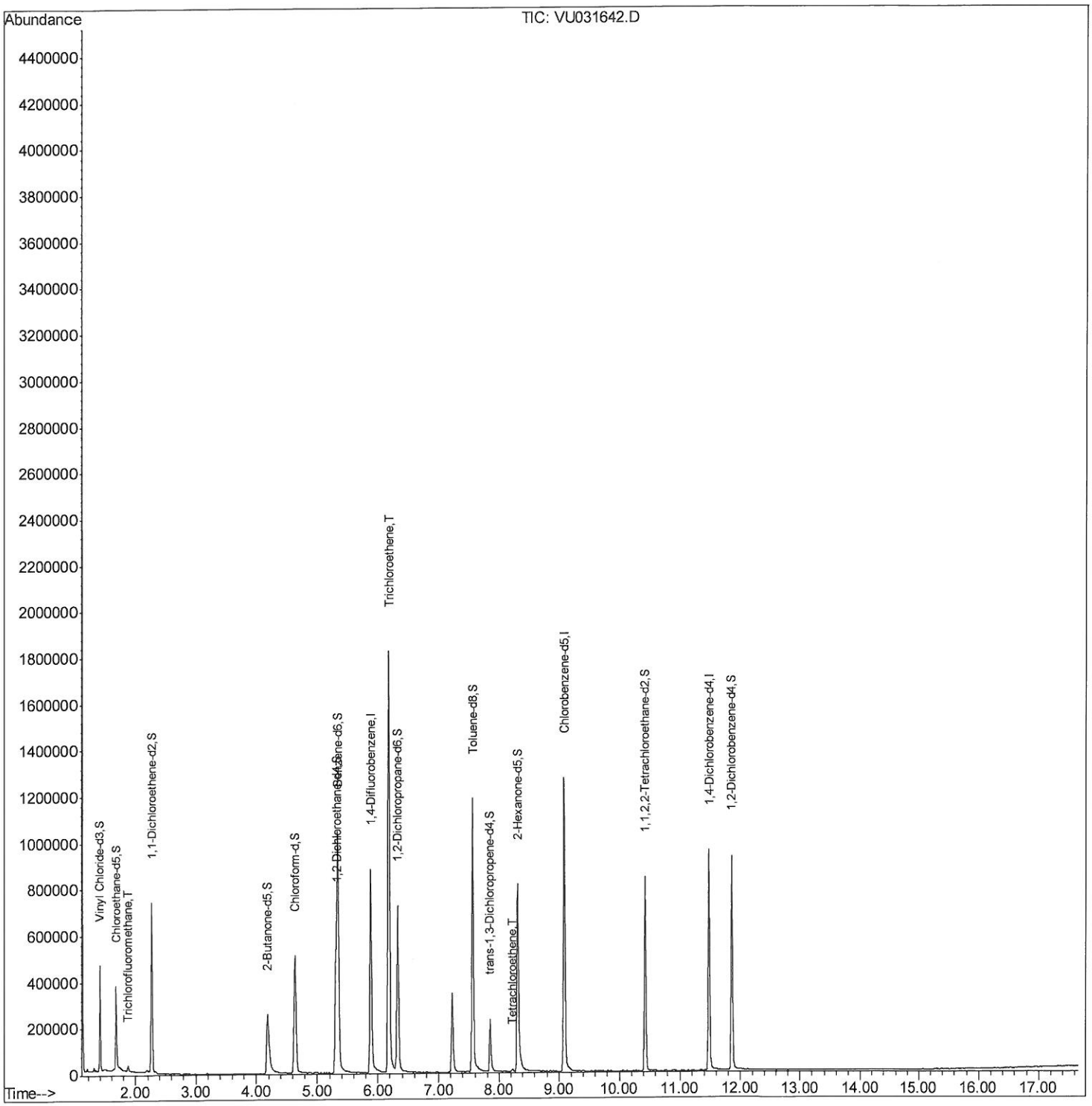
Quantitation Report (QT Reviewed)

Data File : VU031642.D
Acq On : 30 Apr 2019 18:26
Operator : JC/SP
Sample : K2593-11DL 5000X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 01 03:05:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 01:38:49 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0X75DL

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 11:16:43 AM



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

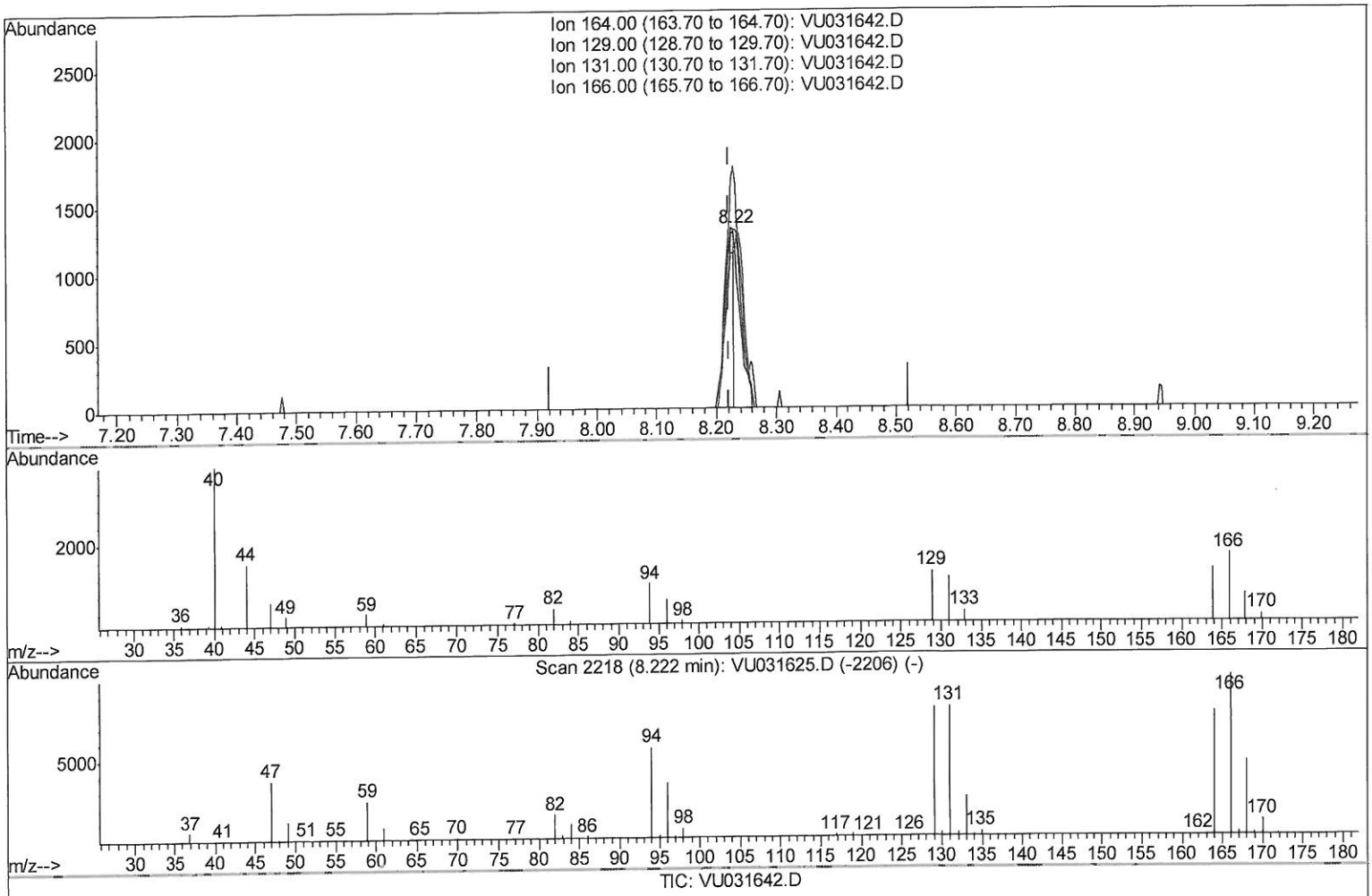
Quantitation Report (Qedit)

Data File : VU031642.D
Acq On : 30 Apr 2019 18:26
Operator : JC/SP
Sample : K2593-11DL 5000X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 01 01:44:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 01:38:49 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0X75DL

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 11:16:43 AM




TIC: VU031642.D

(46) Tetrachloroethene (T)

8.225min (+0.003) 0.34ug/L

response 1335

| Ion | Exp% | Act% |
|---|---|---|
| 164.00 | 100 | 100 |
| 129.00 | 102.20 | 96.37 |
| 131.00 | 98.60 | 86.07 |
| 166.00 | 133.80 | 125.74 |

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

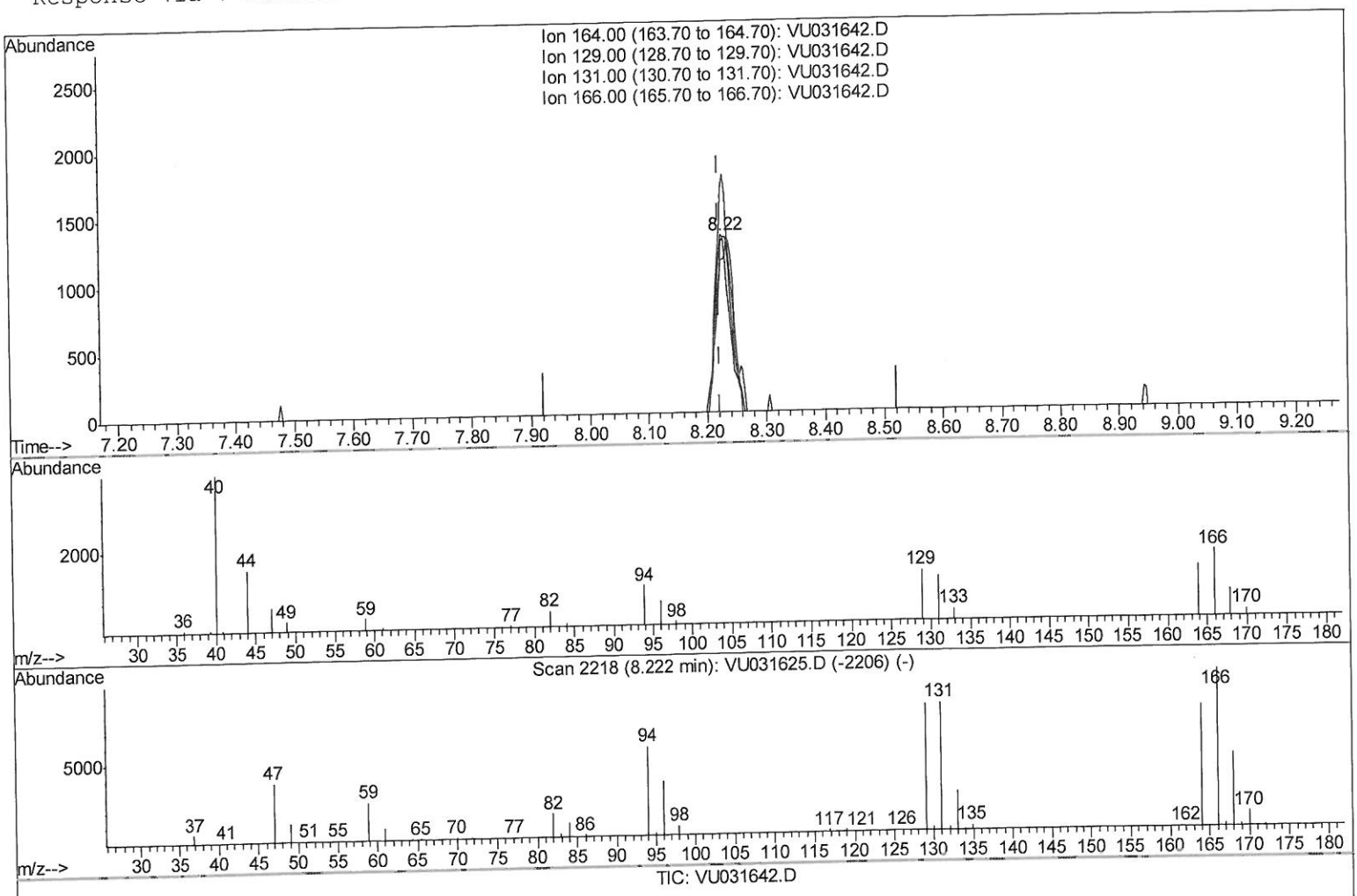
Quantitation Report (Qedit)

Data File : VU031642.D
Acq On : 30 Apr 2019 18:26
Operator : JC/SP
Sample : K2593-11DL 5000X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 01 01:44:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 01:38:49 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0X75DL

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 11:16:43 AM










TIC: VU031642.D

(46) Tetrachloroethene (T)

8.225min (+0.003) 0.63ug/L m

response 2510

| Ion | Exp% | Act% |
|---|---|---|
| 164.00 | 100 | 100 |
| 129.00 | 102.20 | 96.37 |
| 131.00 | 98.60 | 86.07 |
| 166.00 | 133.80 | 125.74 |

JMD 5/2/19

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

Quantitation Report (QT Reviewed)

Data File : VU031642.D
Acq On : 30 Apr 2019 18:26
Operator : JC/SP
Sample : K2593-11DL 5000X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0X75DL

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 11:16:43 AM

Quant Time: May 01 03:05:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 01:38:49 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 674719 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 655650 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 223720 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 303559 | 53.76 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 107.52% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 218490 | 50.07 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 100.14% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 442384 | 39.34 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 78.68% | | | |
| 21) 2-Butanone-d5 | 4.19 | 46 | 486035 | 95.00 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 95.00% | | | |
| 24) Chloroform-d | 4.64 | 84 | 502863 | 48.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.24% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 351744 | 52.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 104.12% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 992345 | 49.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.58% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 355285 | 50.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 100.32% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 784319 | 44.73 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 89.46% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 135135 | 44.44 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 88.88% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 264017 | 86.11 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 86.11% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 432253 | 45.47 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 90.94% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 229589 | 48.80 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 9) Trichlorofluoromethane | 1.88 | 101 | 8810 | 0.921 | ug/L | 96 |
| 34) Trichloroethene | 6.18 | 95 | 672843 | 115.148 | ug/L | 94 |
| 46) Tetrachloroethene | 8.22 | 164 | 2510m | 0.630 | ug/L | |

JMD 5/2/19

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