Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031720\

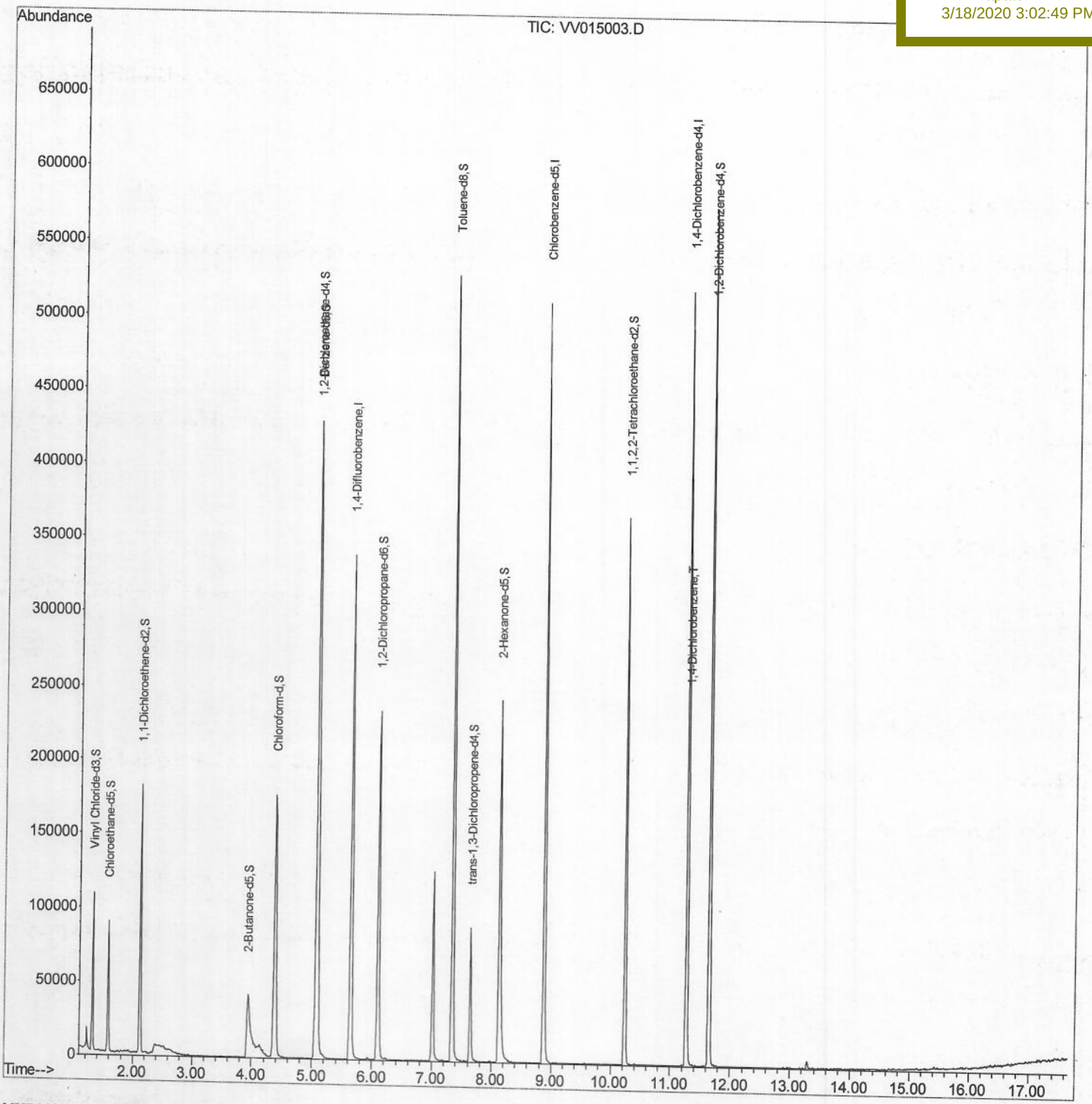
Quantitation Report (QT Reviewed)

Data File : VV015003.D
Acq On : 18 Mar 2020 03:35
Operator : SY/MD
Sample : L1890-14
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 18 08:38:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 07:43:00 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0DG1

**Manual Integrations APPROVED**
apatel
3/18/2020 3:02:49 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031720\

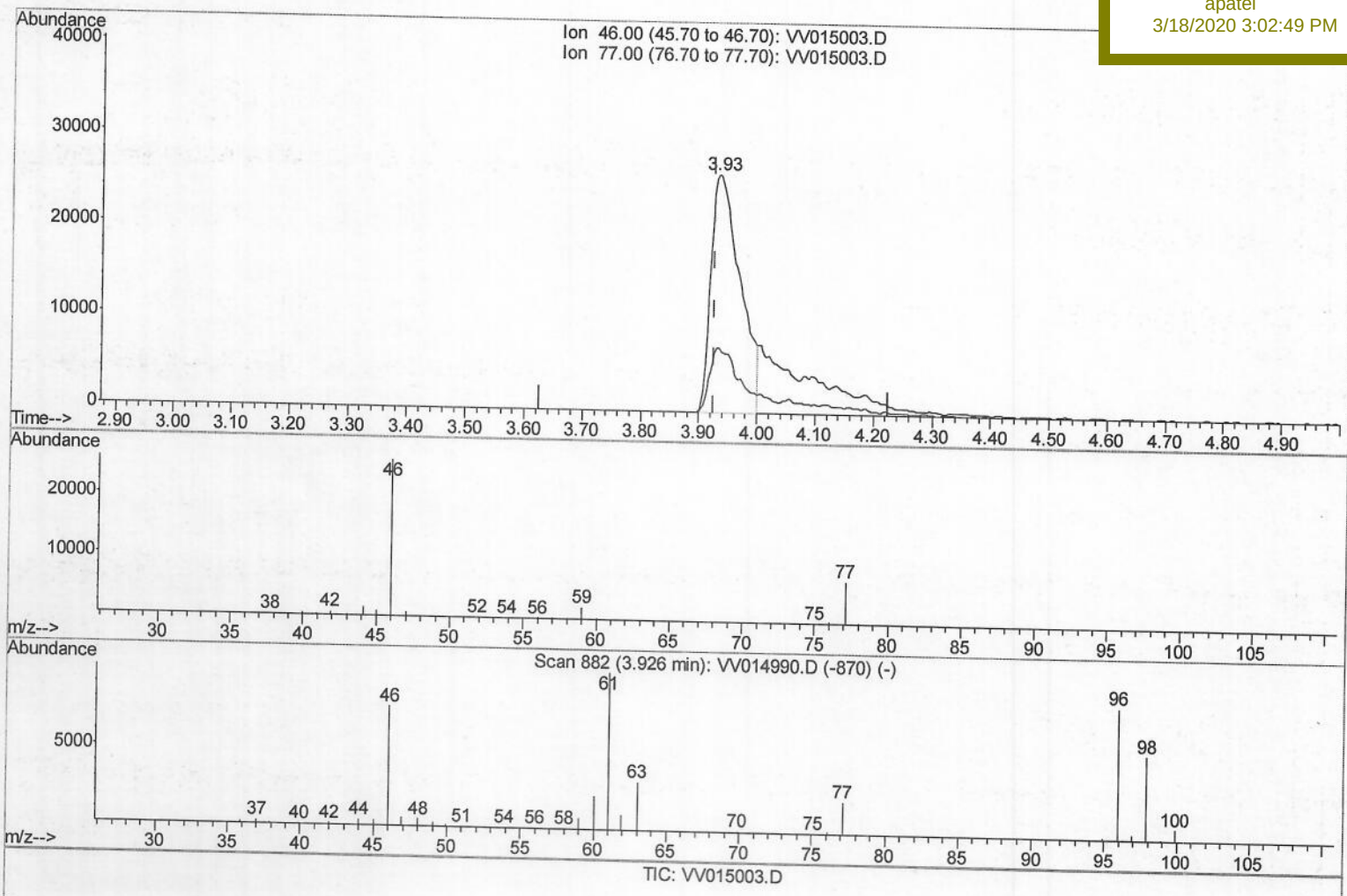
Quantitation Report (Qedit)

Data File : VV015003.D
Acq On : 18 Mar 2020 03:35
Operator : SY/MD
Sample : L1890-14
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 18 07:47:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 07:43:00 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0DG1

**Manual Integrations APPROVED**
apatel
3/18/2020 3:02:49 PM




(21) 2-Butanone-d5 (S)

3.933min (+0.006) 72.74ug/L

response 90470

| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100 | 100 |
| 77.00 | 20.50 | 21.48 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031720\

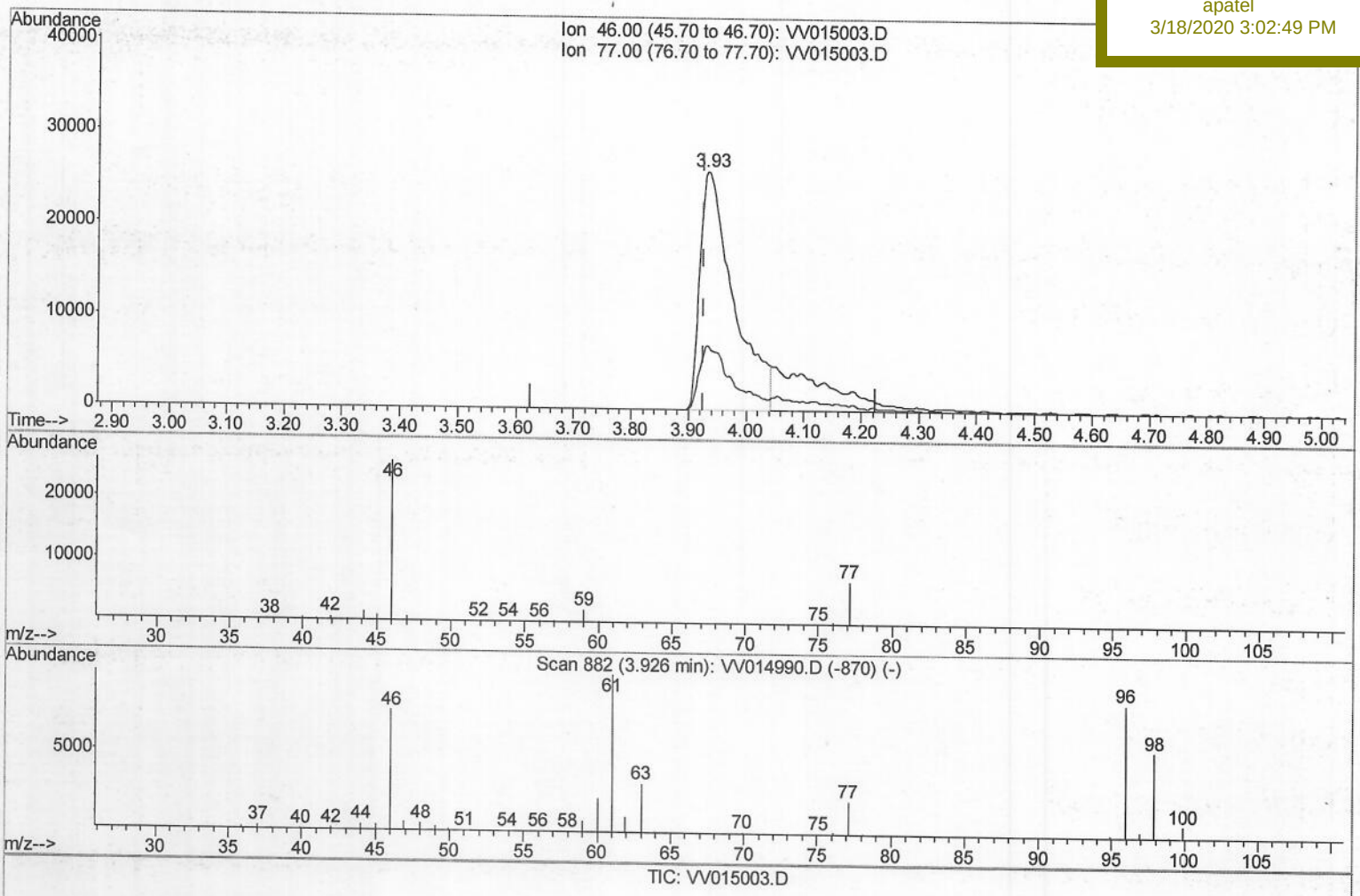
Quantitation Report (Qedit)

Data File : VV015003.D
Acq On : 18 Mar 2020 03:35
Operator : SY/MD
Sample : L1890-14
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 18 07:47:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 07:43:00 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0DG1

**Manual Integrations APPROVED**
apatel
3/18/2020 3:02:49 PM




TIC: VV015003.D

(21) 2-Butanone-d5 (S)

3.933min (+0.006) 84.88ug/L m

03/20/20 SY

response 105570

| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100 | 100 |
| 77.00 | 20.50 | 18.41 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031720\

Quantitation Report (QT Reviewed)

Data File : VV015003.D
Acq On : 18 Mar 2020 03:35
Operator : SY/MD
Sample : L1890-14
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 18 08:38:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 07:43:00 2020
Response via : Initial Calibration

**Instrument :** MSVOA_V
**ClientSampleId :** C0DG1

**Manual Integrations APPROVED**
apatel
3/18/2020 3:02:49 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 306187 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 298154 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 143347 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 67595 | 33.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 66.28% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 57886 | 38.21 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 76.42% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 91980 | 29.39 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 58.78%# | | | |
| 21) 2-Butanone-d5 | 3.93 | 46 | 105570m | 84.88 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 84.88% | | | |
| 24) Chloroform-d | 4.38 | 84 | 187363 | 44.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 88.18% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 125712 | 46.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 93.38% | | | |
| 32) Benzene-d6 | 5.08 | 84 | 372908 | 45.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 90.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.10 | 67 | 112209 | 45.88 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 91.76% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 358439 | 44.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 88.24% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 52794 | 40.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 81.20% | | | |
| 47) 2-Hexanone-d5 | 8.12 | 63 | 106313 | 96.29 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 96.29% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 169379 | 47.30 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 94.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 156750 | 49.92 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.84% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 63) 1,4-Dichlorobenzene | 11.29 | 146 | 3013 | 0.633 | ug/L | 90 |

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

03/20/2020