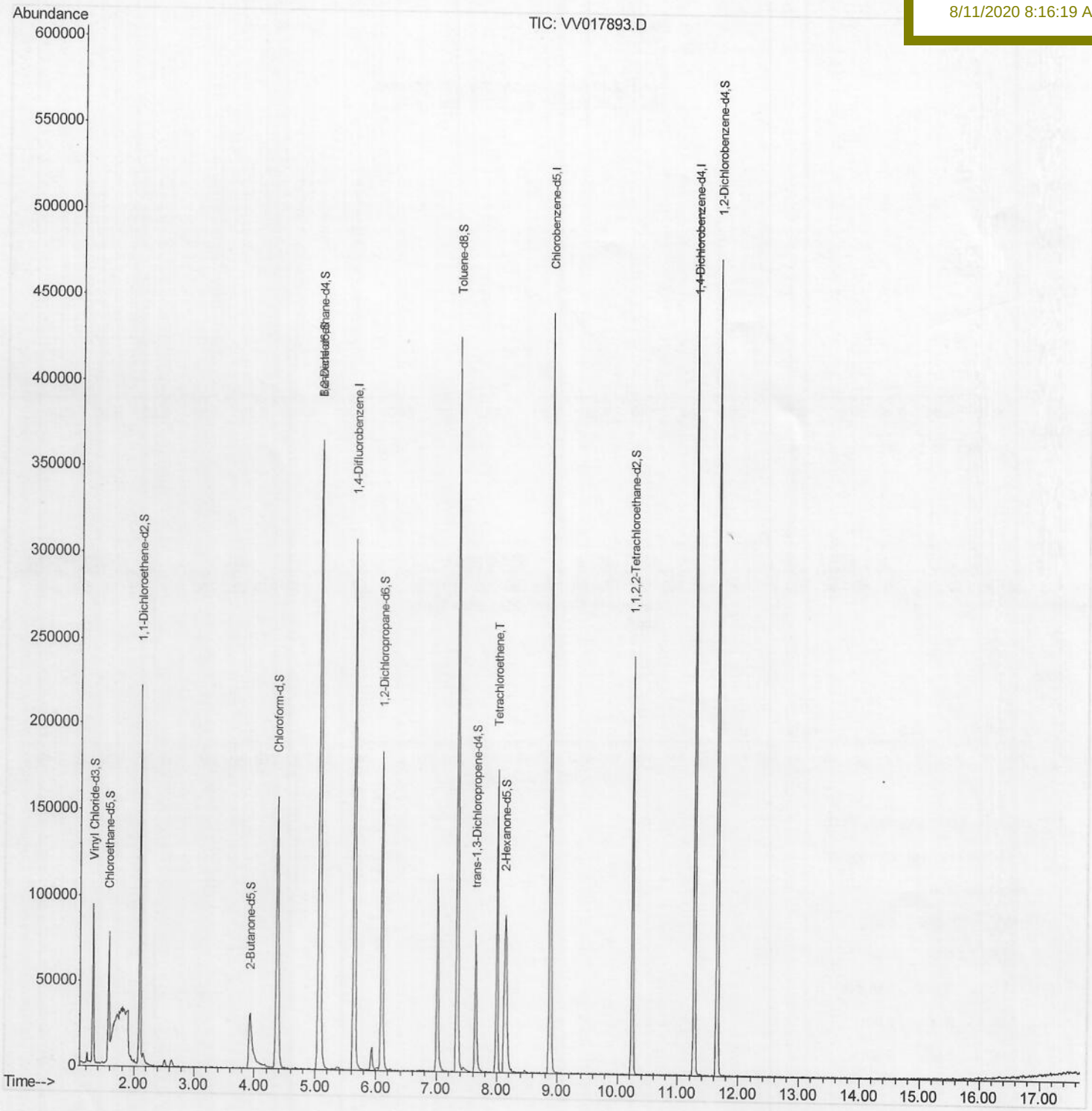
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081020\
Data File : VV017893.D
Acq On : 10 Aug 2020 13:11
Operator : SY/MD
Sample : L3579-12ME
Misc : 7.60g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 11 01:46:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 11 01:17:50 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
BFSL6ME

**Manual Integrations APPROVED**
MMDadoda
8/11/2020 8:16:19 AM



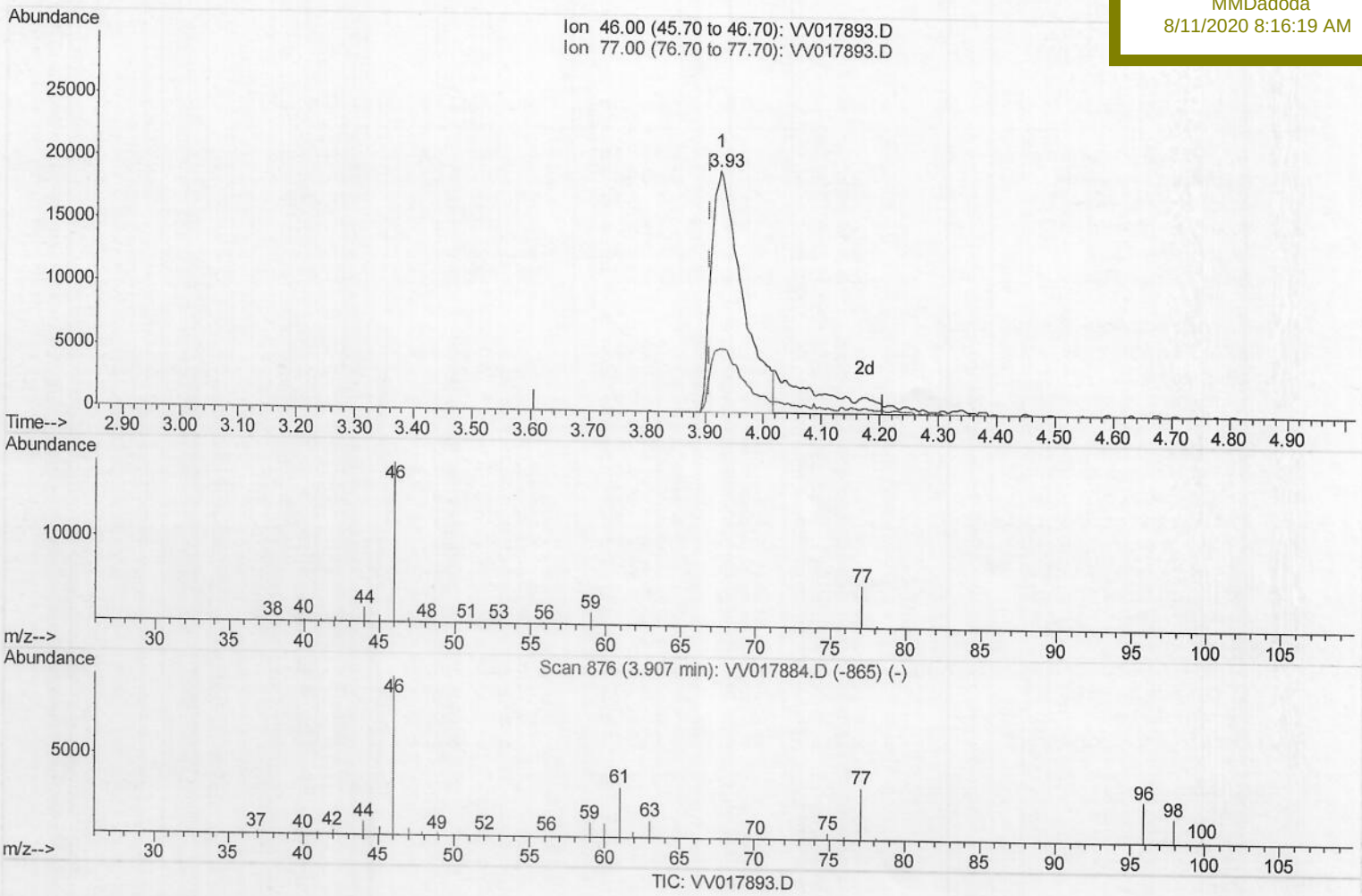
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081020\
Data File : VV017893.D
Acq On : 10 Aug 2020 13:11
Operator : SY/MD
Sample : L3579-12ME
Misc : 7.60g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 11 01:20:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 11 01:17:50 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
BFSL6ME

**Manual Integrations APPROVED**
MMDadoda
8/11/2020 8:16:19 AM




(21) 2-Butanone-d5 (S)

3.926min (+0.019) 80.97ug/L

response 71235

| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100 | 100 |
| 77.00 | 26.80 | 0.12# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

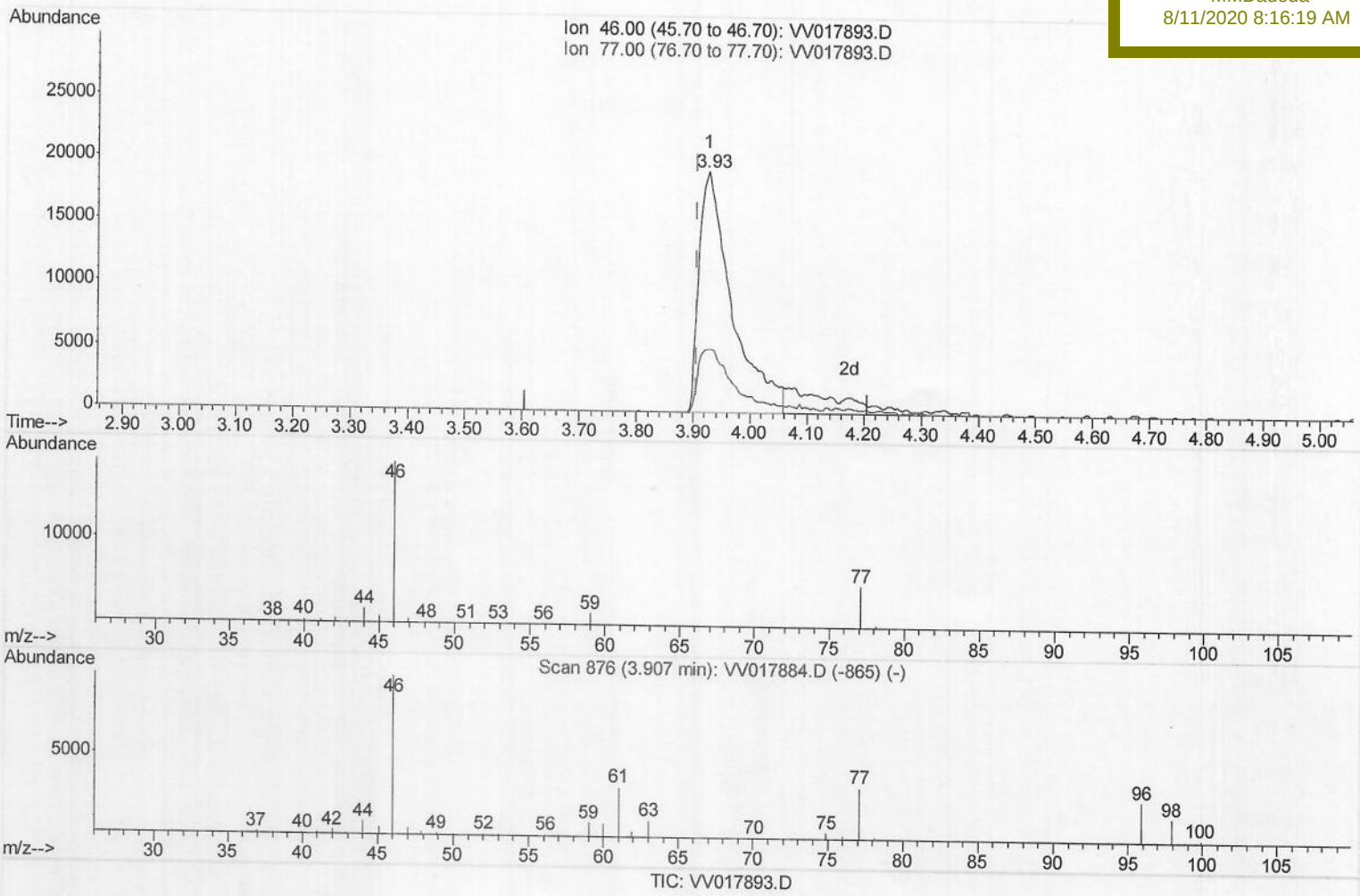
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081020\
Data File : VV017893.D
Acq On : 10 Aug 2020 13:11
Operator : SY/MD
Sample : L3579-12ME
Misc : 7.60g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 11 01:20:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 11 01:17:50 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
BFSL6ME

**Manual Integrations APPROVED**
MMDadoda
8/11/2020 8:16:19 AM




(21) 2-Butanone-d5 (S)

3.926min (+0.019) 88.07ug/L m -> MD 08/11/20

response 77483

| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100 | 100 |
| 77.00 | 26.80 | 0.11# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081020\
Data File : VV017893.D
Acq On : 10 Aug 2020 13:11
Operator : SY/MD
Sample : L3579-12ME
Misc : 7.60g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 11 01:46:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 11 01:17:50 2020
Response via : Initial Calibration

**Instrument :** MSVOA_V
**ClientSampleId :** BFSL6ME

**Manual Integrations APPROVED**
MMDadoda
8/11/2020 8:16:19 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 272056 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 264095 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.28 | 152 | 133140 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.31 | 65 | 61141 | 43.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 87.04% | | | |
| 7) Chloroethane-d5 | 1.57 | 69 | 48402 | 40.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 81.10% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.10 | 63 | 115085 | 34.09 | ug/L | -0.02 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 68.18% | | | |
| 21) 2-Butanone-d5 | 3.93 | 46 | 77483m | 88.07 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 88.07% | | | |
| 24) Chloroform-d | 4.37 | 84 | 168684 | 45.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 91.58% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.05 | 65 | 126058 | 47.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.20% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 284101 | 46.58 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 93.16% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 76471 | 49.45 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 98.90% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 280849 | 45.82 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 91.64% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 51585 | 51.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 103.62% | | | |
| 47) 2-Hexanone-d5 | 8.14 | 63 | 50015 | 89.31 | ug/L | 0.03 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 89.31% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 103479 | 42.93 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 85.86% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 127809 | 47.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 94.18% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 46) Tetrachloroethene | 8.00 | 164 | 39269 | 22.081 | ug/L | 92 |

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

MD 08/11/20