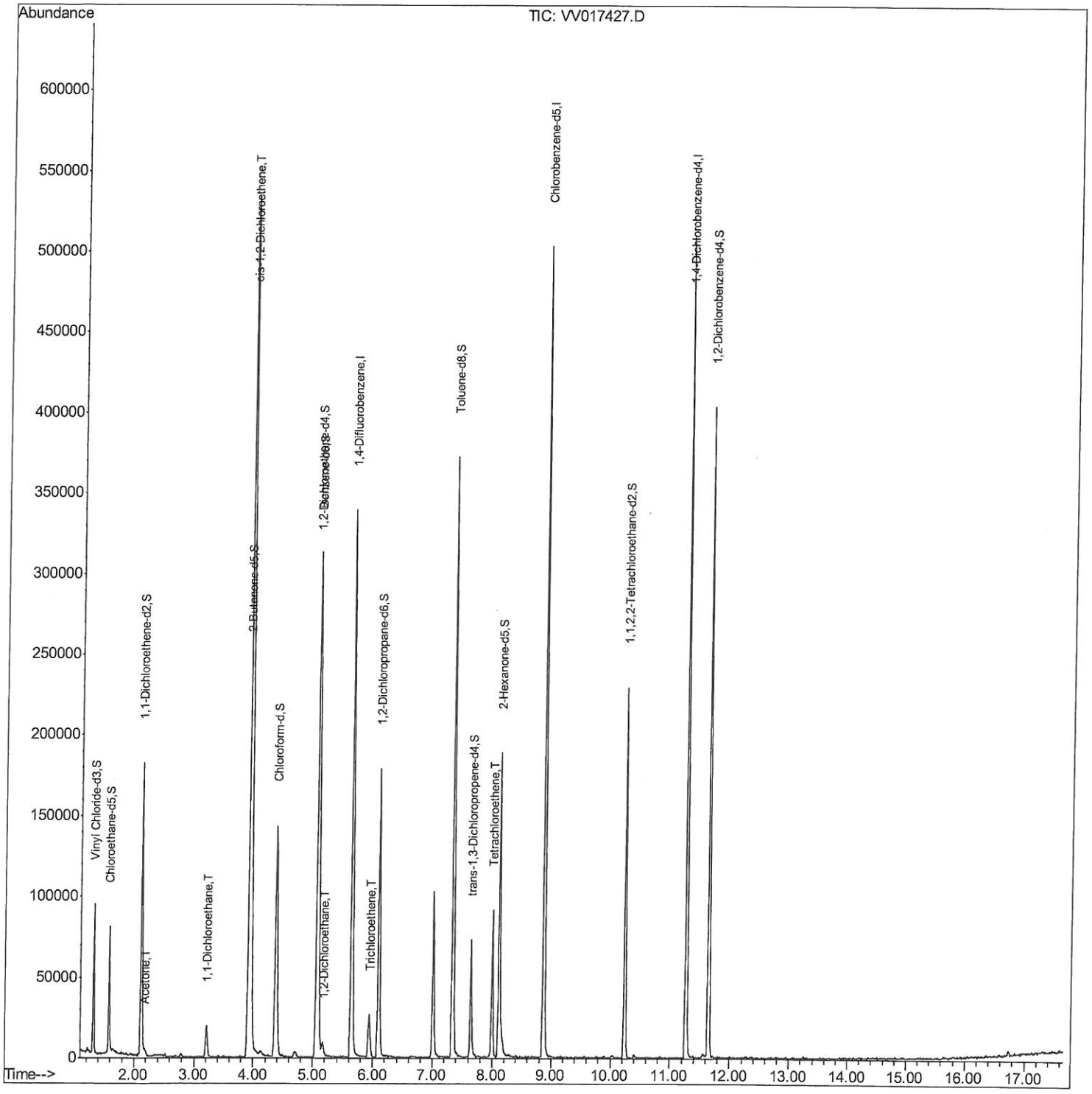
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070920\
Data File : VV017427.D
Acq On : 10 Jul 2020 02:52
Operator : SY/MD
Sample : L3253-20
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jul 10 06:01:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 10 05:13:25 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
F4A40

**Manual Integrations APPROVED**
MMDadoda
7/10/2020 1:01:43 PM



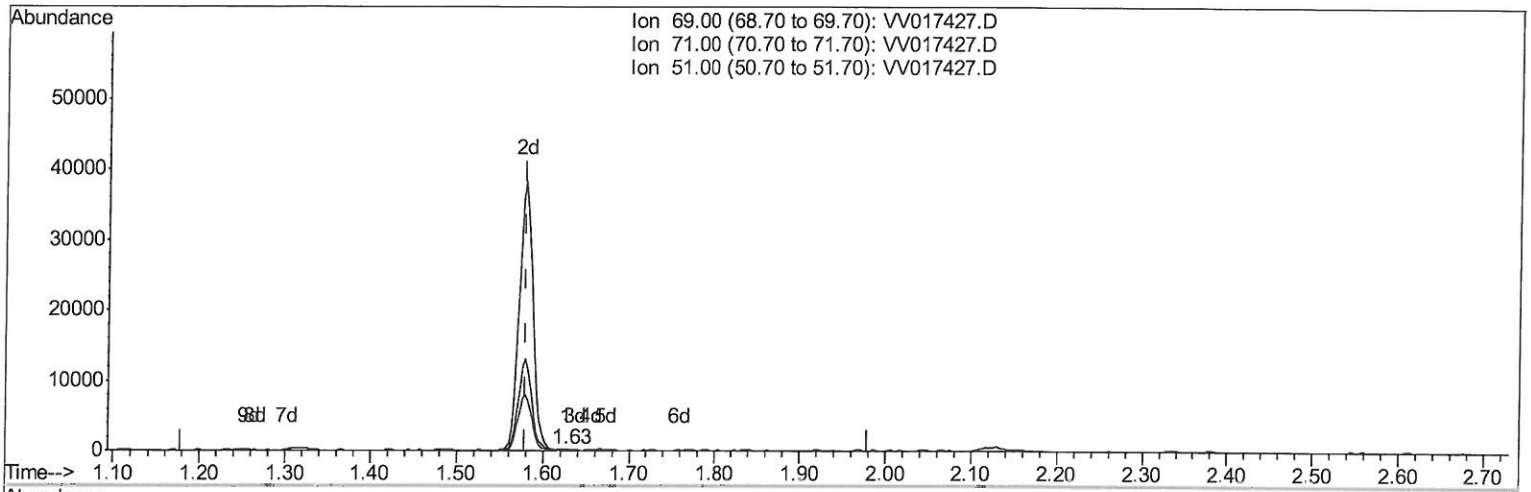
Quantitation Report (Qedit)

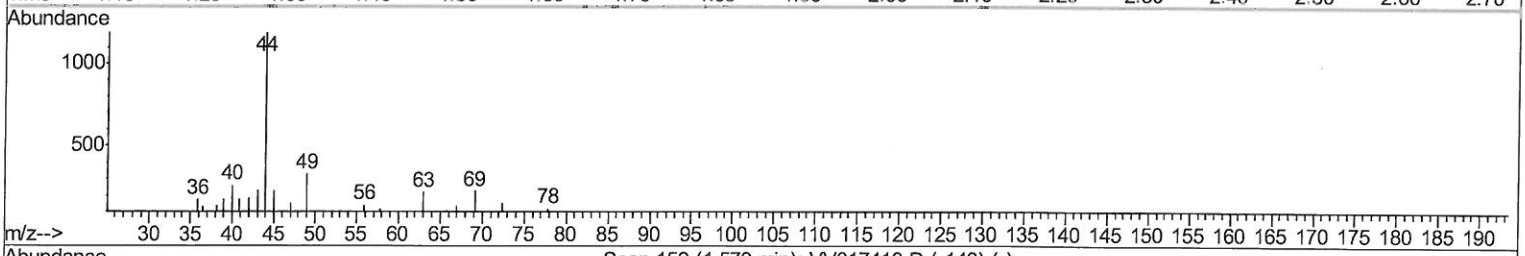
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070920\
Data File : VV017427.D
Acq On : 10 Jul 2020 02:52
Operator : SY/MD
Sample : L3253-20
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

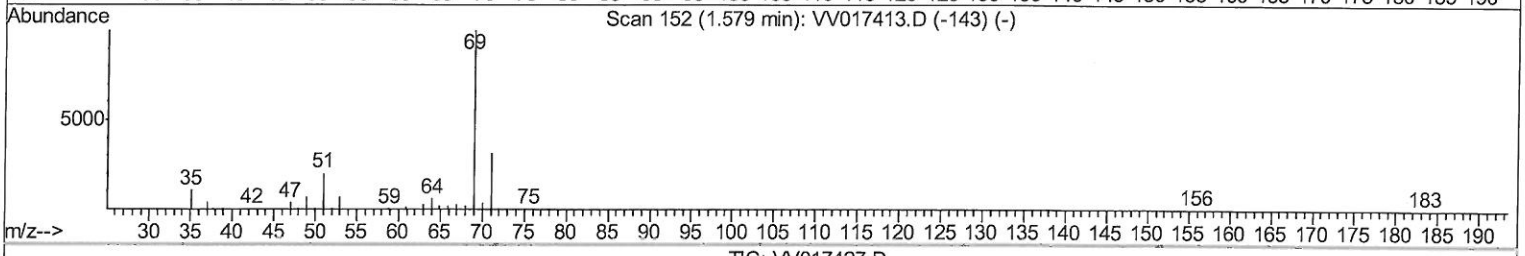
Quant Time: Jul 10 05:16:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 10 05:13:25 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
F4A40

**Manual Integrations APPROVED**
MMDadoda
7/10/2020 1:01:43 PM




TIC: VV017427.D

(7) Chloroethane-d5 (S)

1.627min (+0.048) 0.18ug/L

response 185

| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 71.00 | 32.80 | 23.24 |
| 51.00 | 31.70 | 32.43 |
| 0.00 | 0.00 | 0.00 |

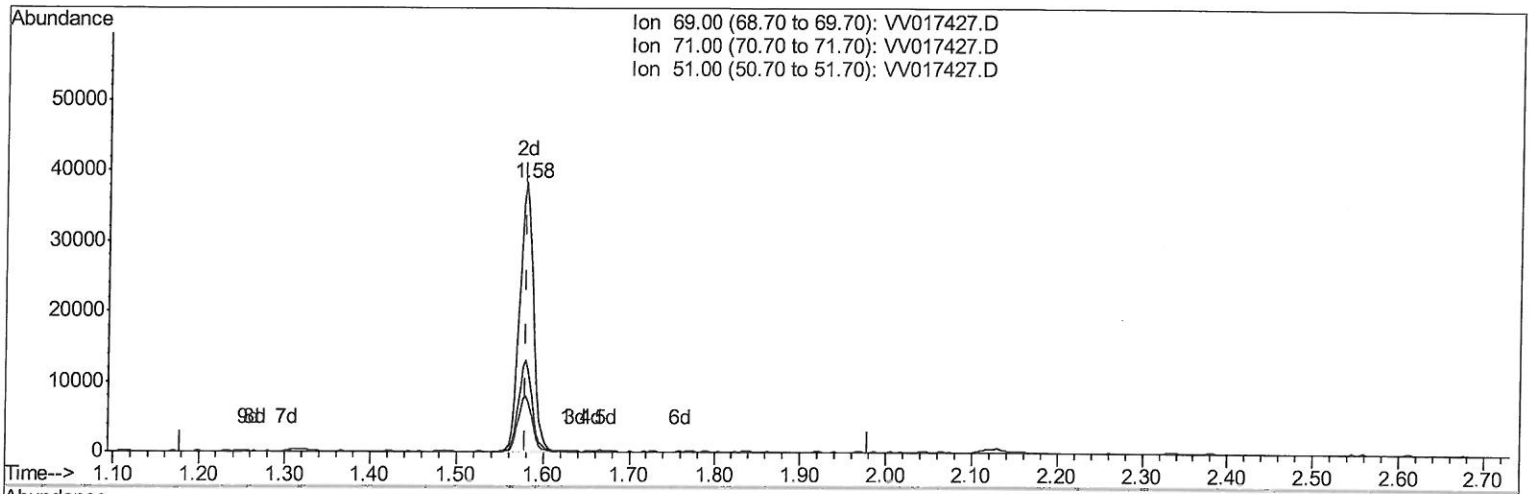
Quantitation Report (Qedit)

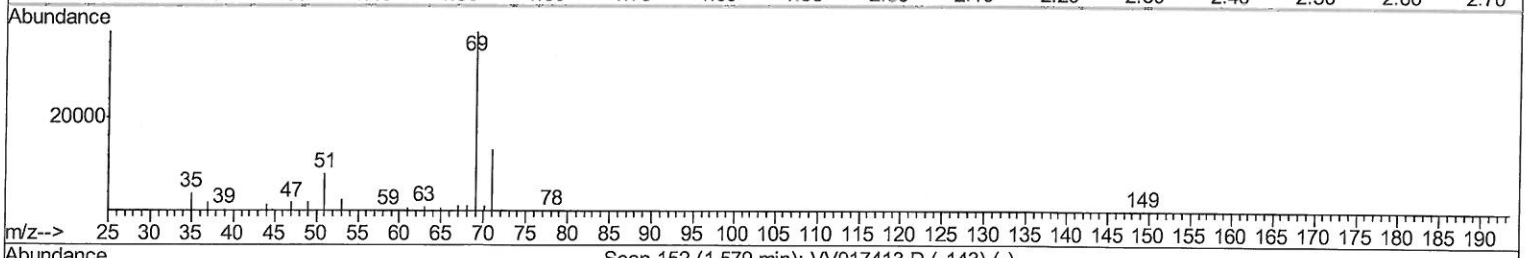
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070920\
Data File : VV017427.D
Acq On : 10 Jul 2020 02:52
Operator : SY/MD
Sample : L3253-20
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

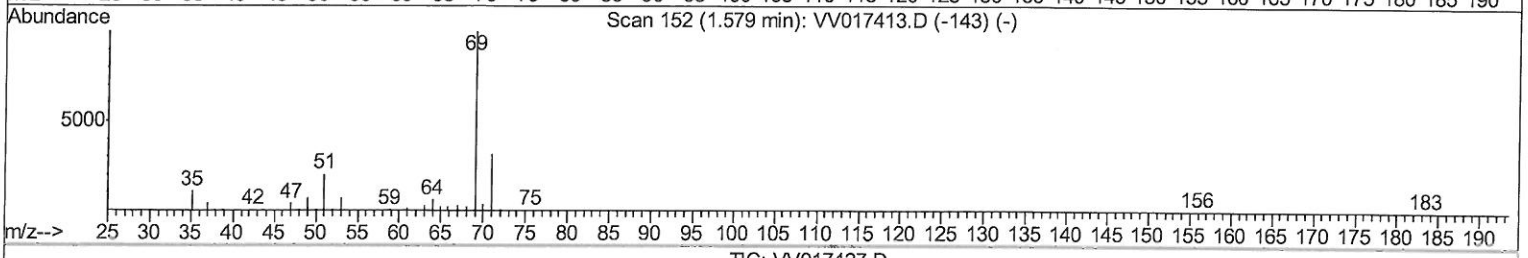
Quant Time: Jul 10 05:16:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 10 05:13:25 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
F4A40

**Manual Integrations APPROVED**
MMDadoda
7/10/2020 1:01:43 PM




TIC: VV017427.D

(7) Chloroethane-d5 (S)

1.579min (-0.000) 42.15ug/L m

response 42588

| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 71.00 | 32.80 | 0.10# |
| 51.00 | 31.70 | 0.14# |
| 0.00 | 0.00 | 0.00 |

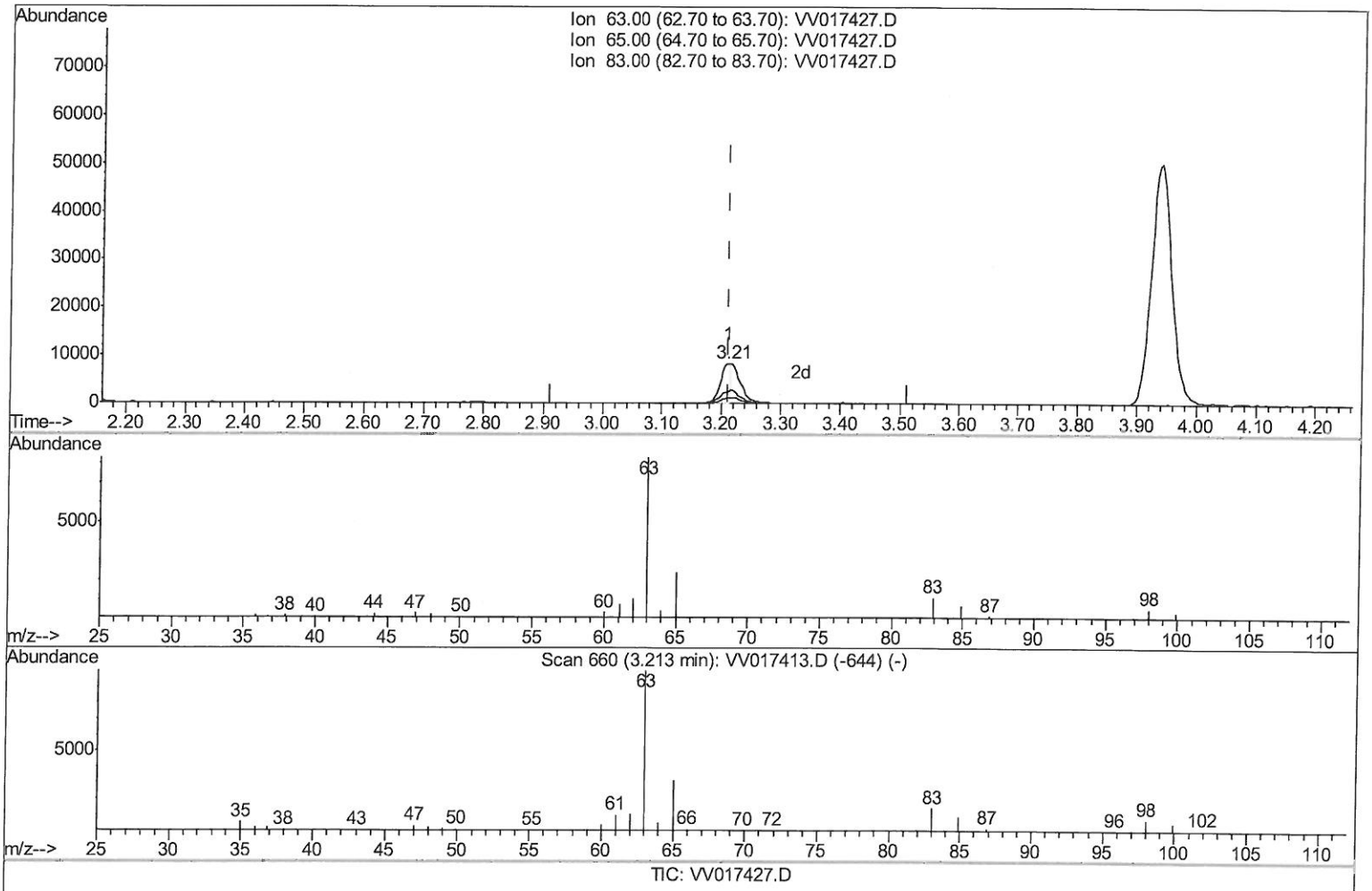
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070920\
Data File : VV017427.D
Acq On : 10 Jul 2020 02:52
Operator : SY/MD
Sample : L3253-20
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jul 10 05:16:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 10 05:13:25 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
F4A40

**Manual Integrations APPROVED**
MMDadoda
7/10/2020 1:01:43 PM




TIC: VV017427.D

(19) 1,1-Dichloroethane (T)

3.213min (-0.000) 3.07ug/L

response 10174

| Ion | Exp% | Act% |
|---|---|---|
| 63.00 | 100 | 100 |
| 65.00 | 31.60 | 29.05 |
| 83.00 | 14.50 | 13.70 |
| 0.00 | 0.00 | 0.00 |

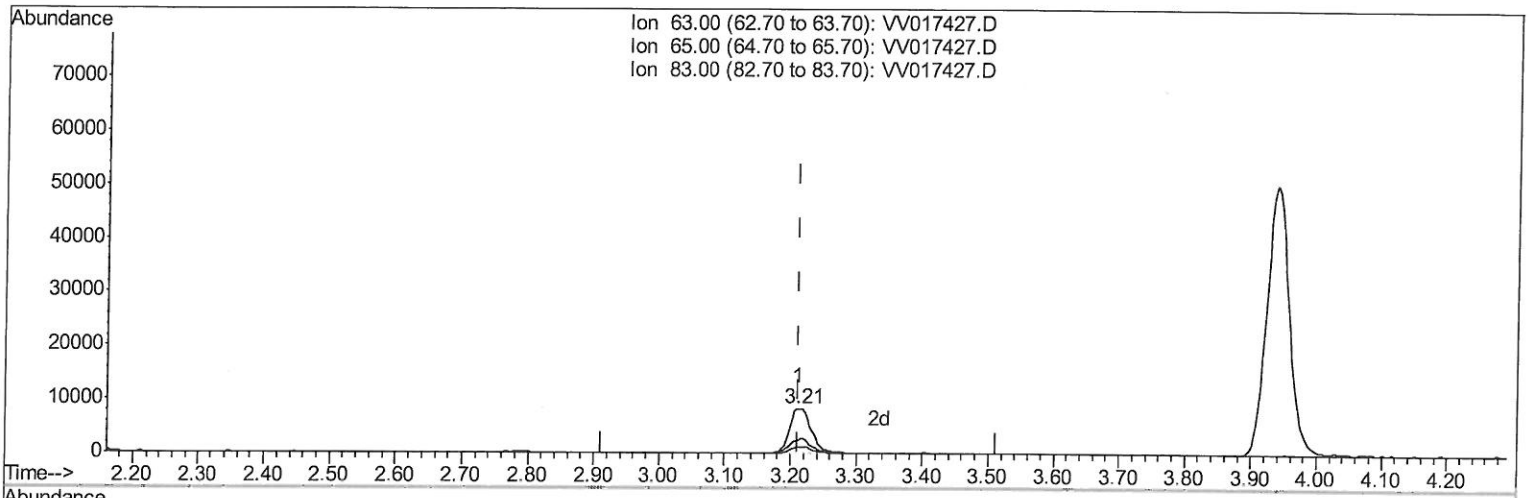
Quantitation Report (Qedit)

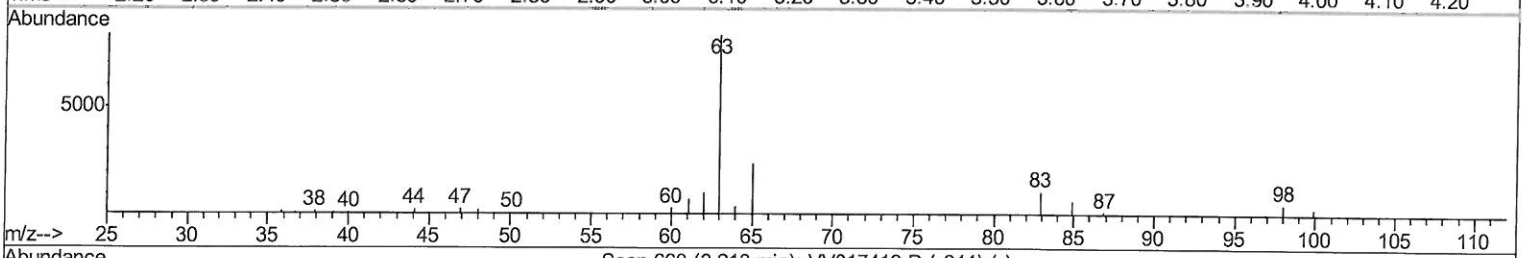
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070920\
Data File : VV017427.D
Acq On : 10 Jul 2020 02:52
Operator : SY/MD
Sample : L3253-20
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

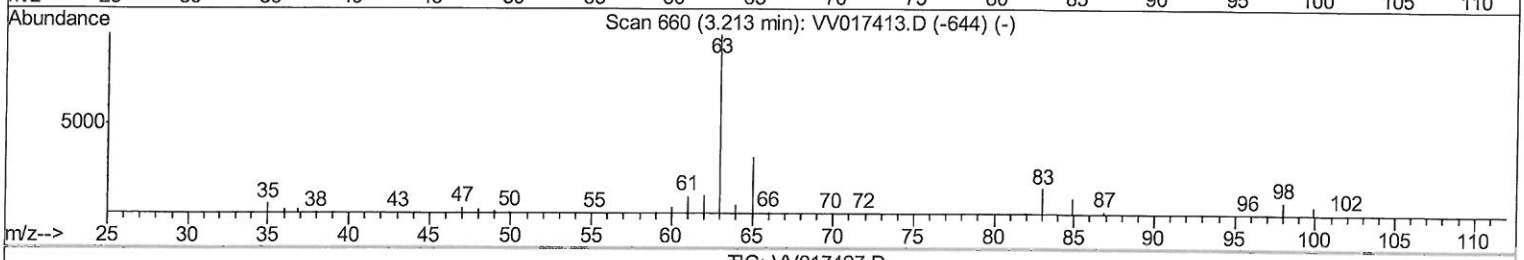
Quant Time: Jul 10 05:16:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 10 05:13:25 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
F4A40

**Manual Integrations APPROVED**
MMDadoda
7/10/2020 1:01:43 PM




TIC: VV017427.D

(19) 1,1-Dichloroethane (T)

3.213min (-0.000) 5.74ug/L m

response 19033

7mB 7/14/20

| Ion | Exp% | Act% |
|---|---|---|
| 63.00 | 100 | 100 |
| 65.00 | 31.60 | 29.05 |
| 83.00 | 14.50 | 13.70 |
| 0.00 | 0.00 | 0.00 |

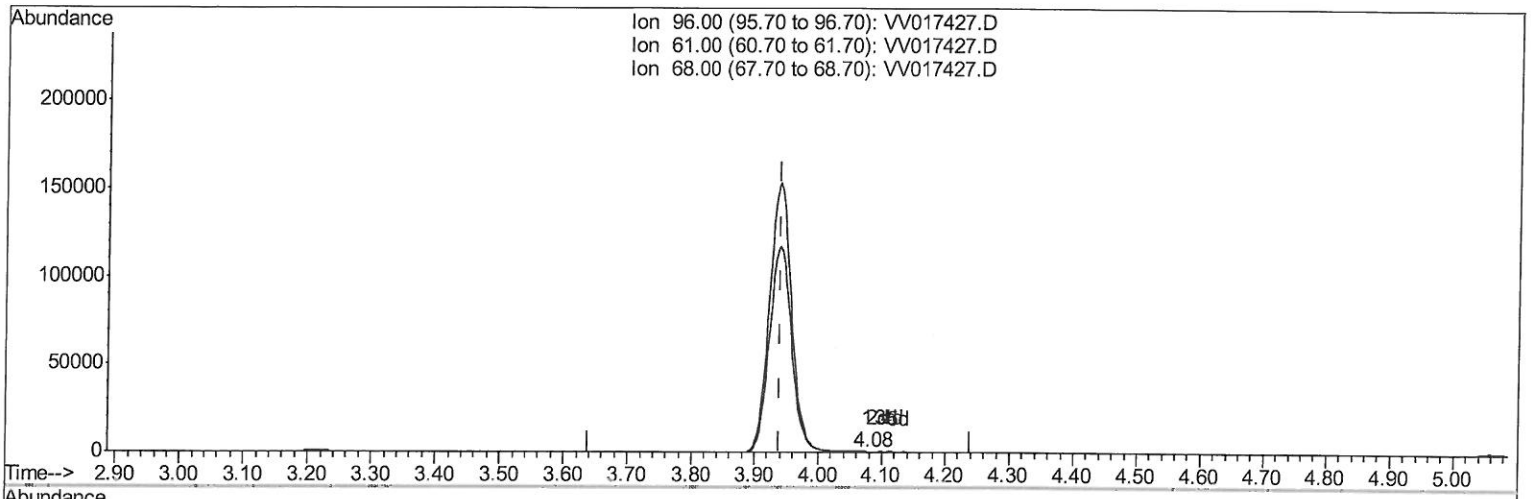
Quantitation Report (Qedit)

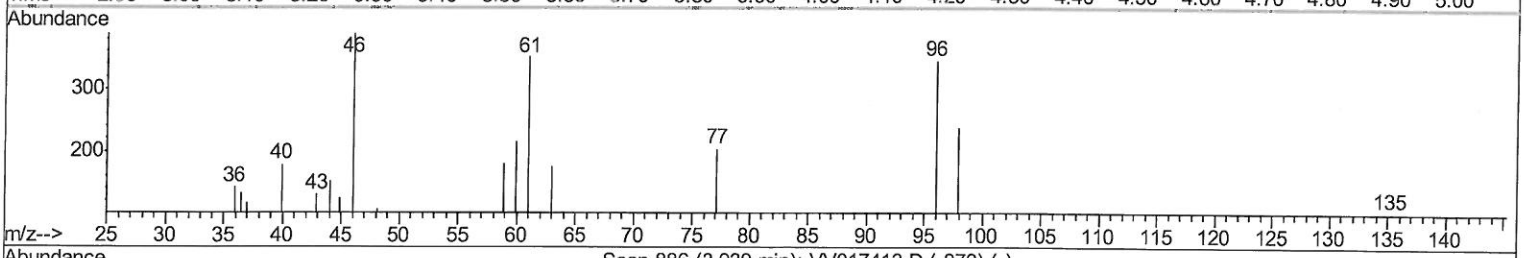
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070920\
Data File : VV017427.D
Acq On : 10 Jul 2020 02:52
Operator : SY/MD
Sample : L3253-20
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

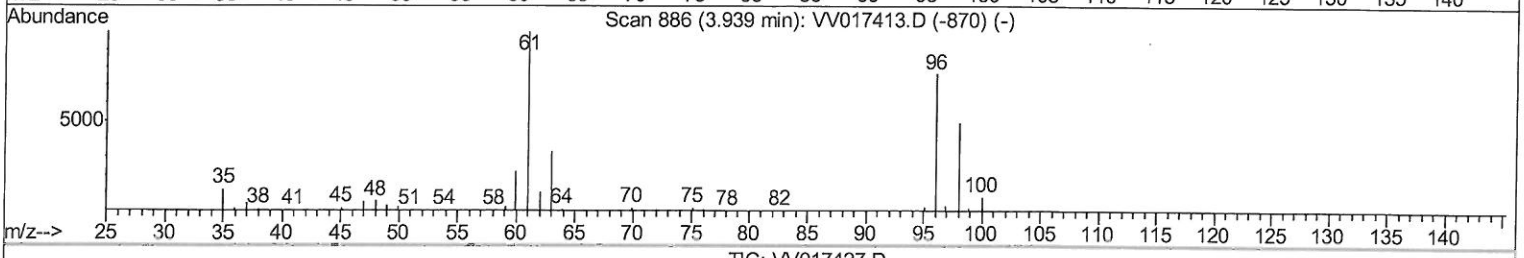
Quant Time: Jul 10 05:16:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 10 05:13:25 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
F4A40

**Manual Integrations APPROVED**
MMDadoda
7/10/2020 1:01:43 PM




TIC: VV017427.D

(20) cis-1,2-Dichloroethene (T)

4.077min (+0.138) 0.10ug/L

response 200

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 61.00 | 127.00 | 102.03 |
| 68.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

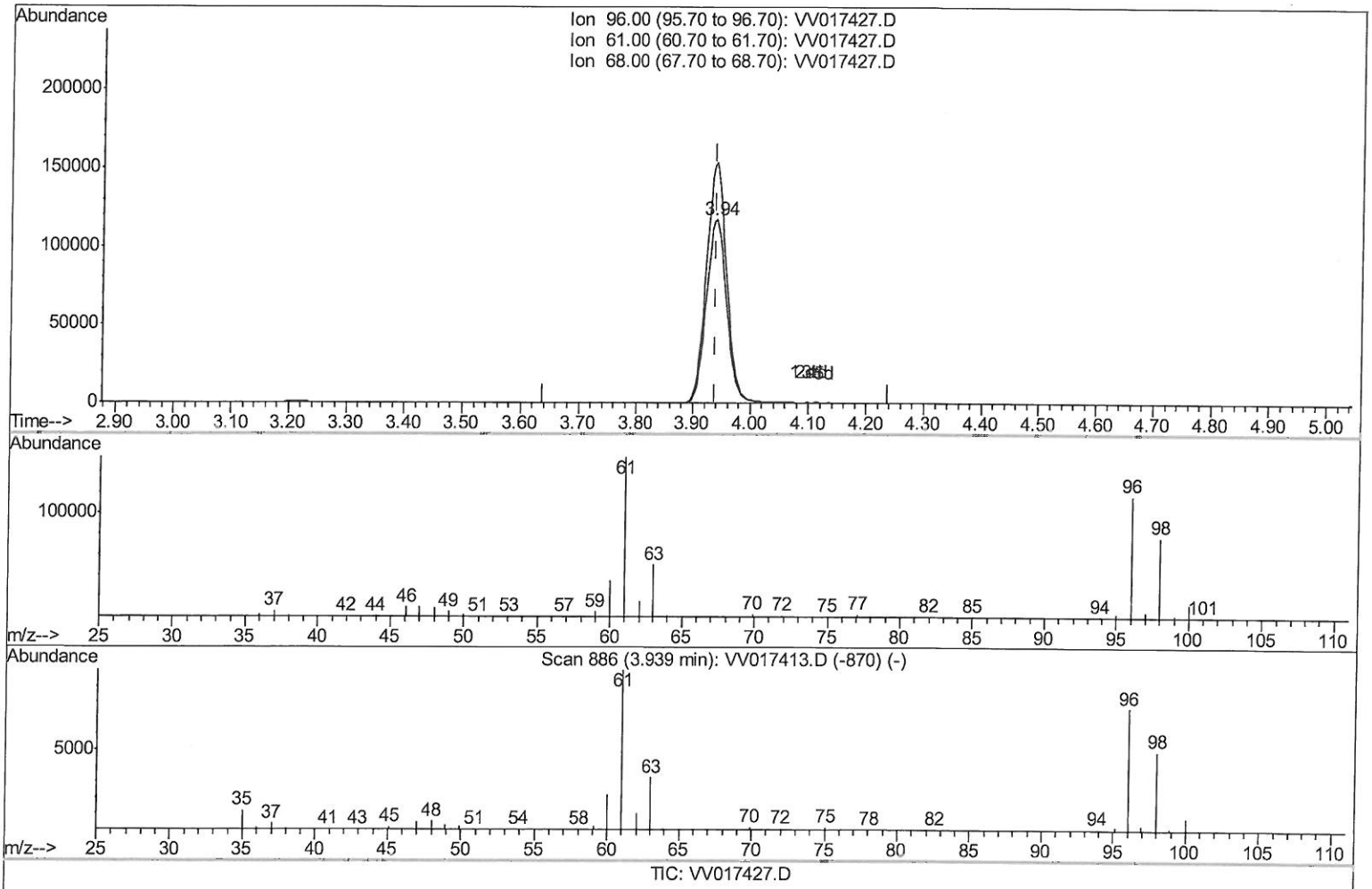
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070920\
Data File : VV017427.D
Acq On : 10 Jul 2020 02:52
Operator : SY/MD
Sample : L3253-20
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jul 10 05:16:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 10 05:13:25 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
F4A40

**Manual Integrations APPROVED**
MMDadoda
7/10/2020 1:01:43 PM




TIC: VV017427.D

(20) cis-1,2-Dichloroethene (T)

3.939min (-0.000) 148.23ug/L m

response 286641

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 61.00 | 127.00 | 131.06 |
| 68.00 | 0.00 | 0.09# |
| 0.00 | 0.00 | 0.00 |

7/14/20

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070920\
Data File : VV017427.D
Acq On : 10 Jul 2020 02:52
Operator : SY/MD
Sample : L3253-20
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F4A40

Manual Integrations APPROVED
MMDadoda
7/10/2020 1:01:43 PM

Quant Time: Jul 10 06:01:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 10 05:13:25 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 276313 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 260619 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 125549 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 56449 | 39.24 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 78.48% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 42588m | 42.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 84.30% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 97391 | 29.90 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 59.80%# | | | |
| 21) 2-Butanone-d5 | 3.91 | 46 | 88809 | 90.39 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 90.39% | | | |
| 24) Chloroform-d | 4.38 | 84 | 141290 | 42.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 84.92% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 105258 | 46.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.18% | | | |
| 32) Benzene-d6 | 5.08 | 84 | 249577 | 44.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 88.66% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 73133 | 45.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 90.22% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 234235 | 43.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 86.56% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 38932 | 41.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 82.52% | | | |
| 47) 2-Hexanone-d5 | 8.11 | 63 | 59758 | 89.81 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 89.81% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 96450 | 42.37 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 84.74% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 102079 | 48.63 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.26% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.19 | 43 | 5203 | 3.890 | ug/L | 62 |
| 19) 1,1-Dichloroethane | 3.21 | 63 | 19033m | 5.735 | ug/L | |
| 20) cis-1,2-Dichloroethene | 3.94 | 96 | 286641m | 148.230 | ug/L | |
| 27) 1,2-Dichloroethane | 5.16 | 62 | 8359 | 2.553 | ug/L | 99 |
| 34) Trichloroethene | 5.95 | 95 | 6191 | 3.027 | ug/L # | 89 |
| 46) Tetrachloroethene | 8.00 | 164 | 20054 | 11.677 | ug/L | 98 |

MD 7/14/20

MD 7/14/20

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