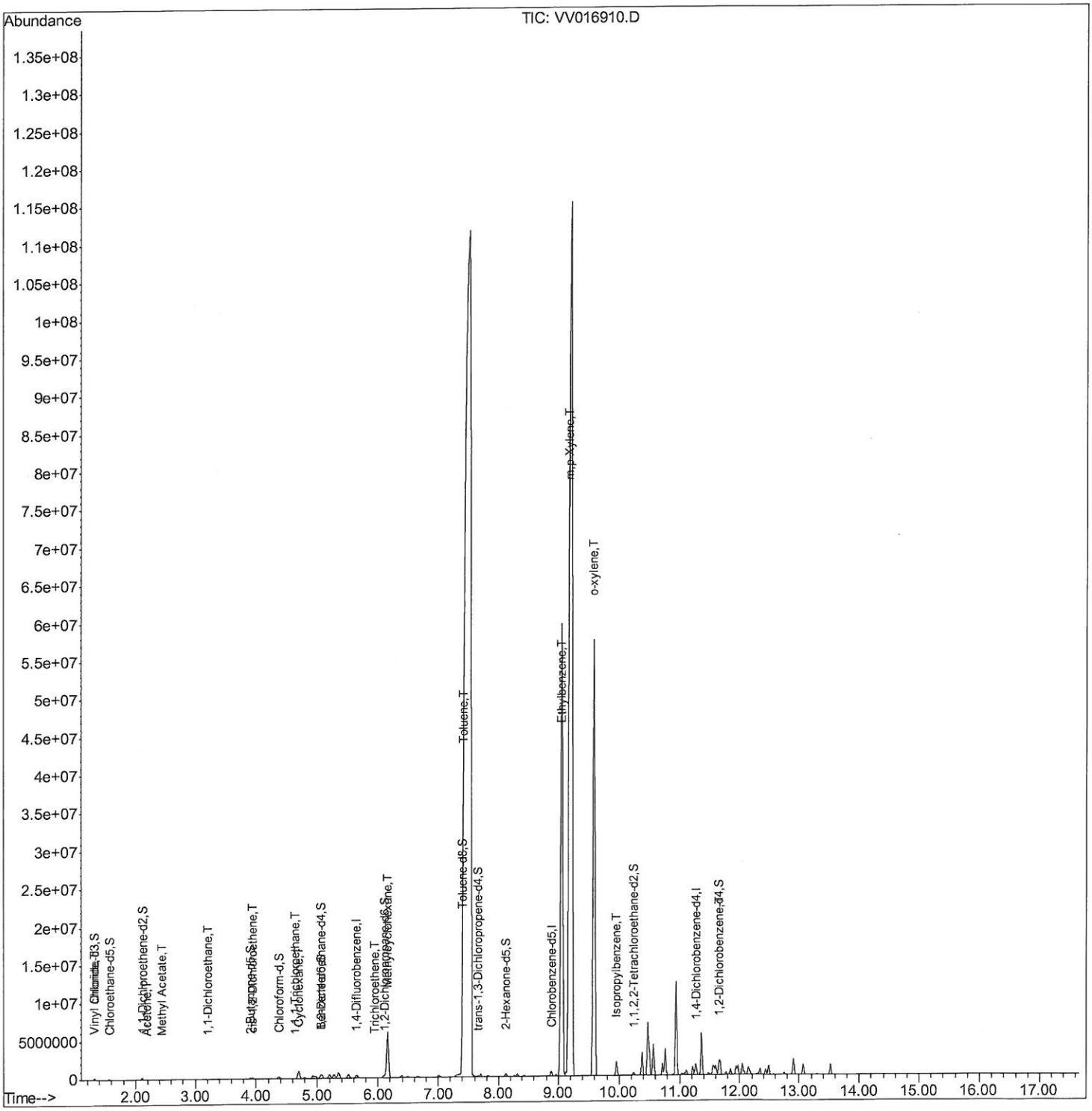
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 13 07:09:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM



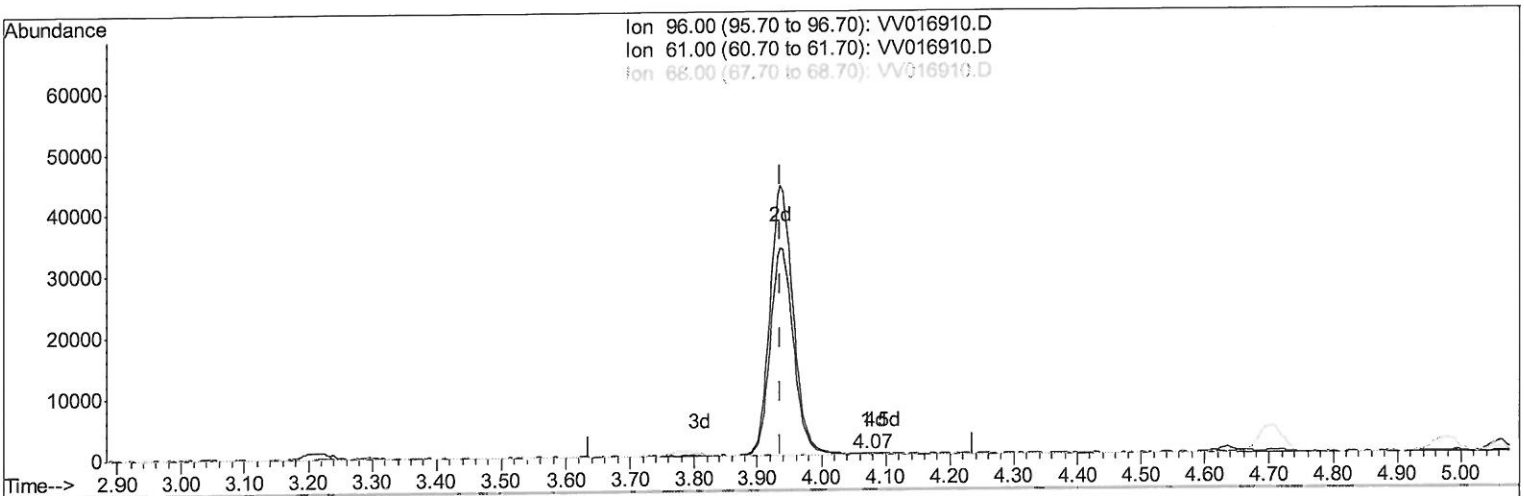
Quantitation Report (Qedit)

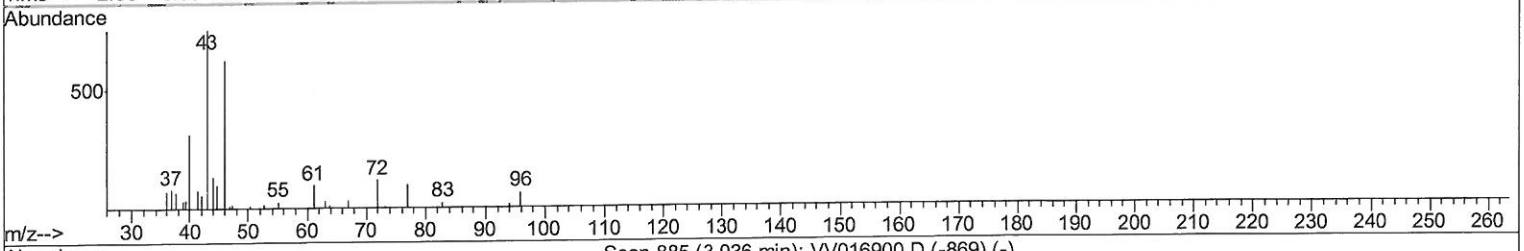
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

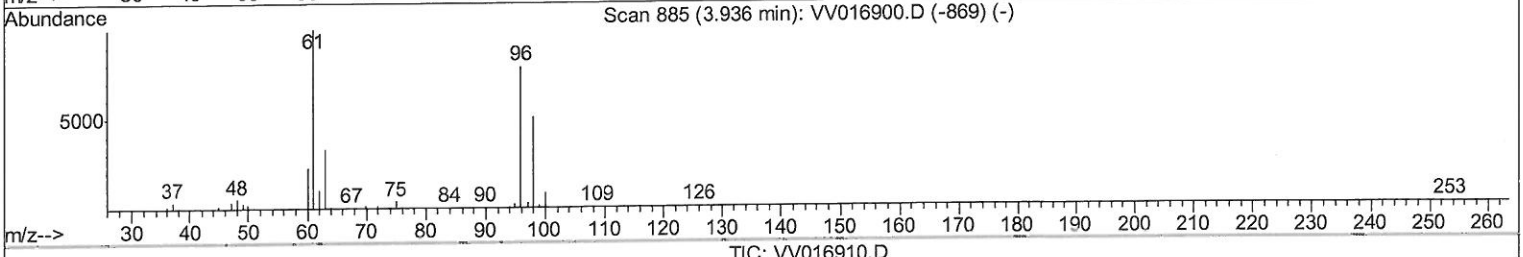
Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM







TIC: VV016910.D

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

4.071min (+0.135) 0.05ug/L

response 127

Ion	Exp%	Act%
96.00	100	100
61.00	133.40	118.42
68.00	0.00	0.00
0.00	0.00	0.00

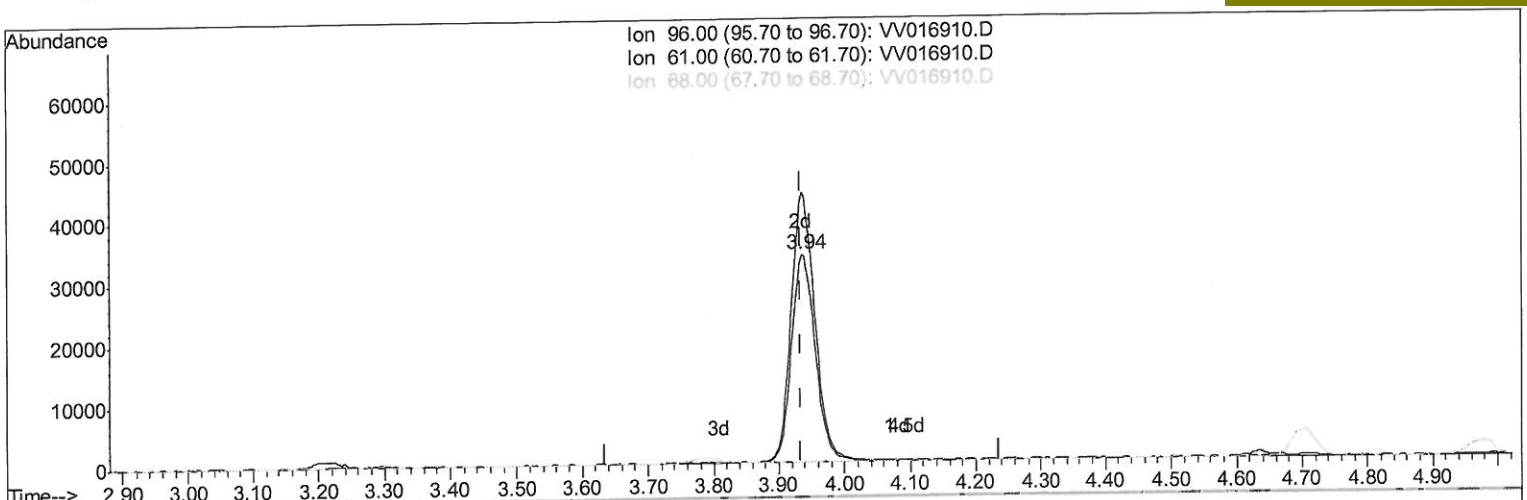
Quantitation Report (Qedit)

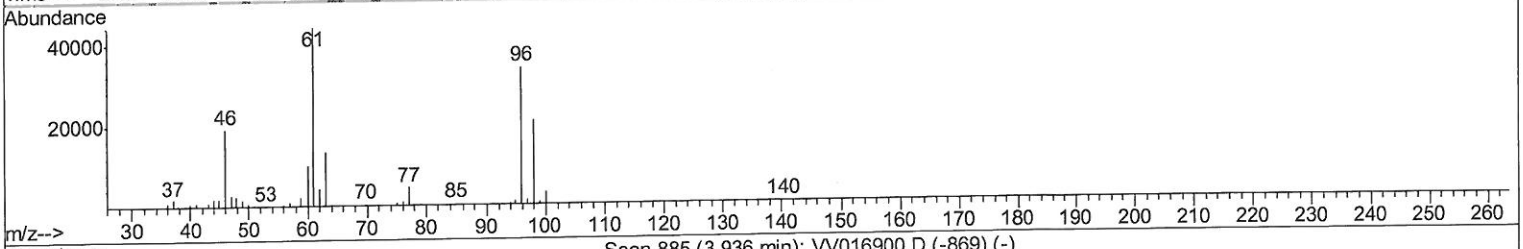
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

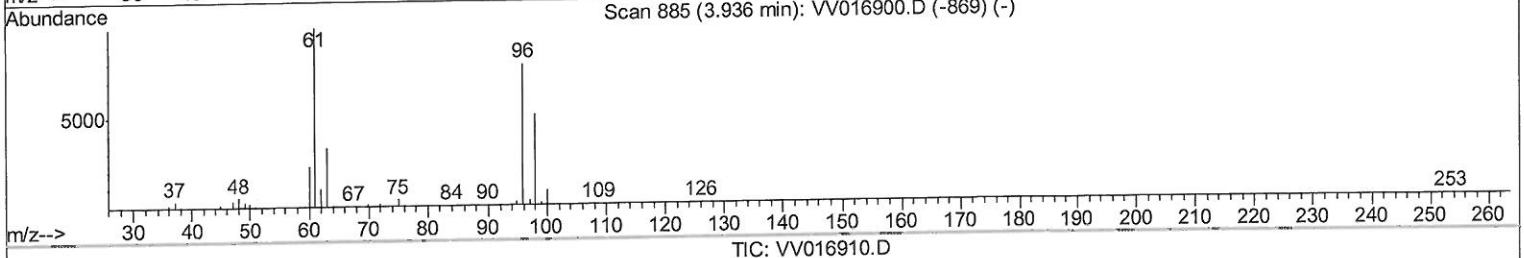
Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM





Scan 885 (3.936 min): VV016900.D (-869) (-)



TIC: VV016910.D

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

3.936min (-0.000) 32.16ug/L m

response 85518

MD 06/15/20

Ion	Exp%	Act%
96.00	100	100
61.00	133.40	130.05
68.00	0.00	0.30#
0.00	0.00	0.00

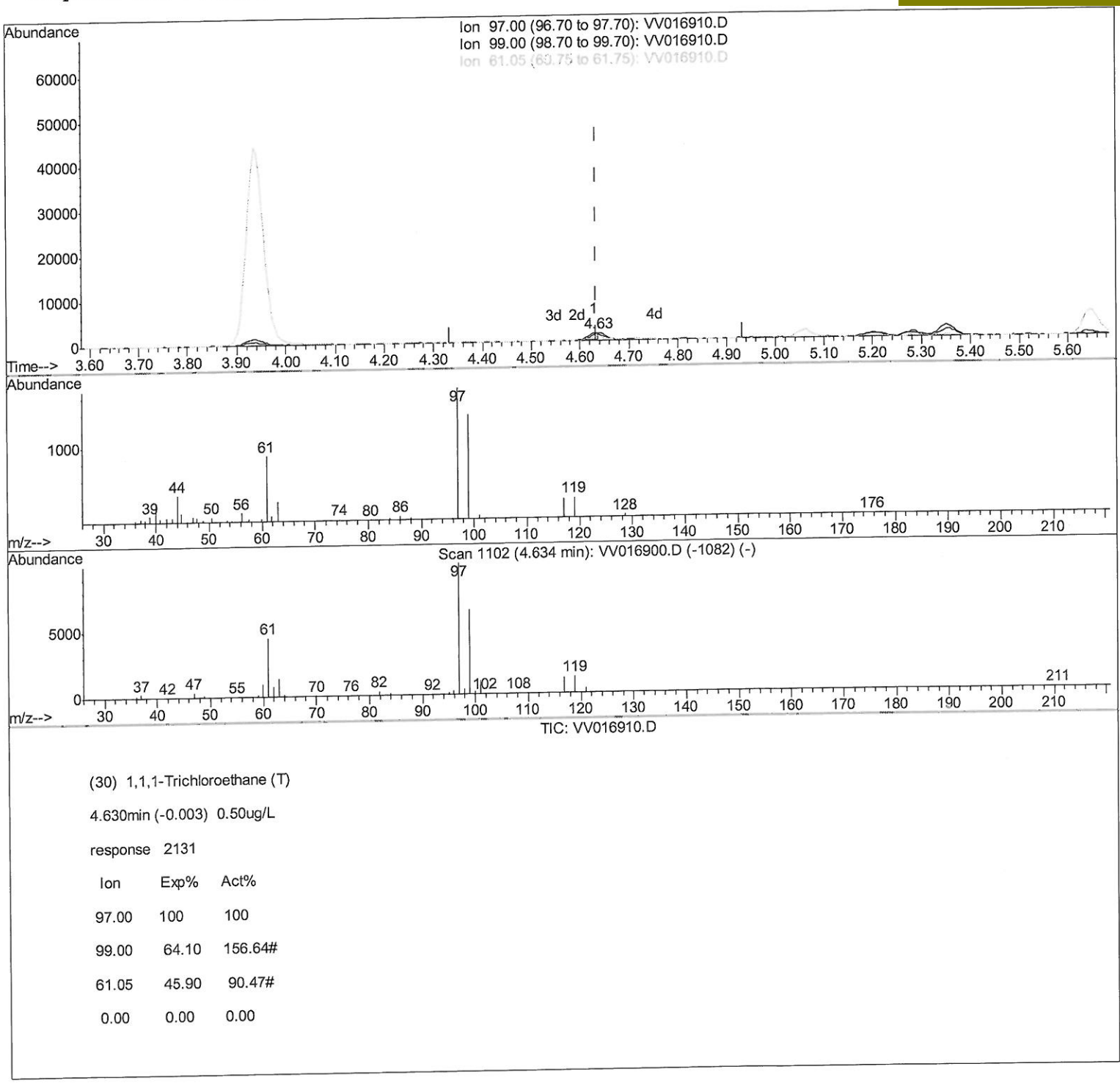
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM



TIC: VV016910.D

(30) 1,1,1-Trichloroethane (T)

4.630min (-0.003) 0.50ug/L

response 2131

Ion	Exp%	Act%
97.00	100	100
99.00	64.10	156.64#
61.05	45.90	90.47#
0.00	0.00	0.00

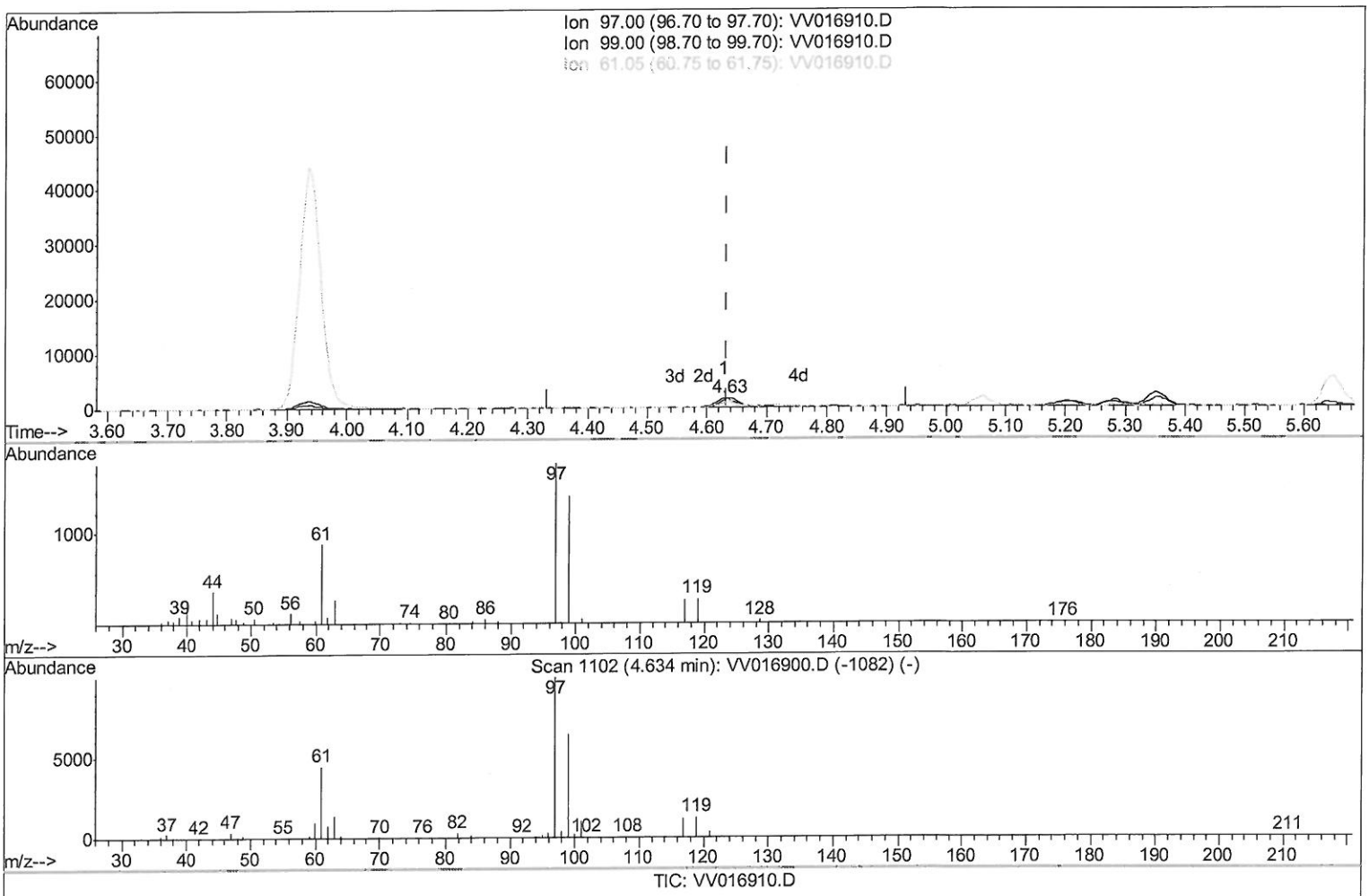
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM



TIC: VV016910.D

(30) 1,1,1-Trichloroethane (T)

4.630min (-0.003) 1.00ug/L m

response 4259

7 MD 06/15/20

Ion	Exp%	Act%
97.00	100	100
99.00	64.10	78.38#
61.05	45.90	45.27
0.00	0.00	0.00

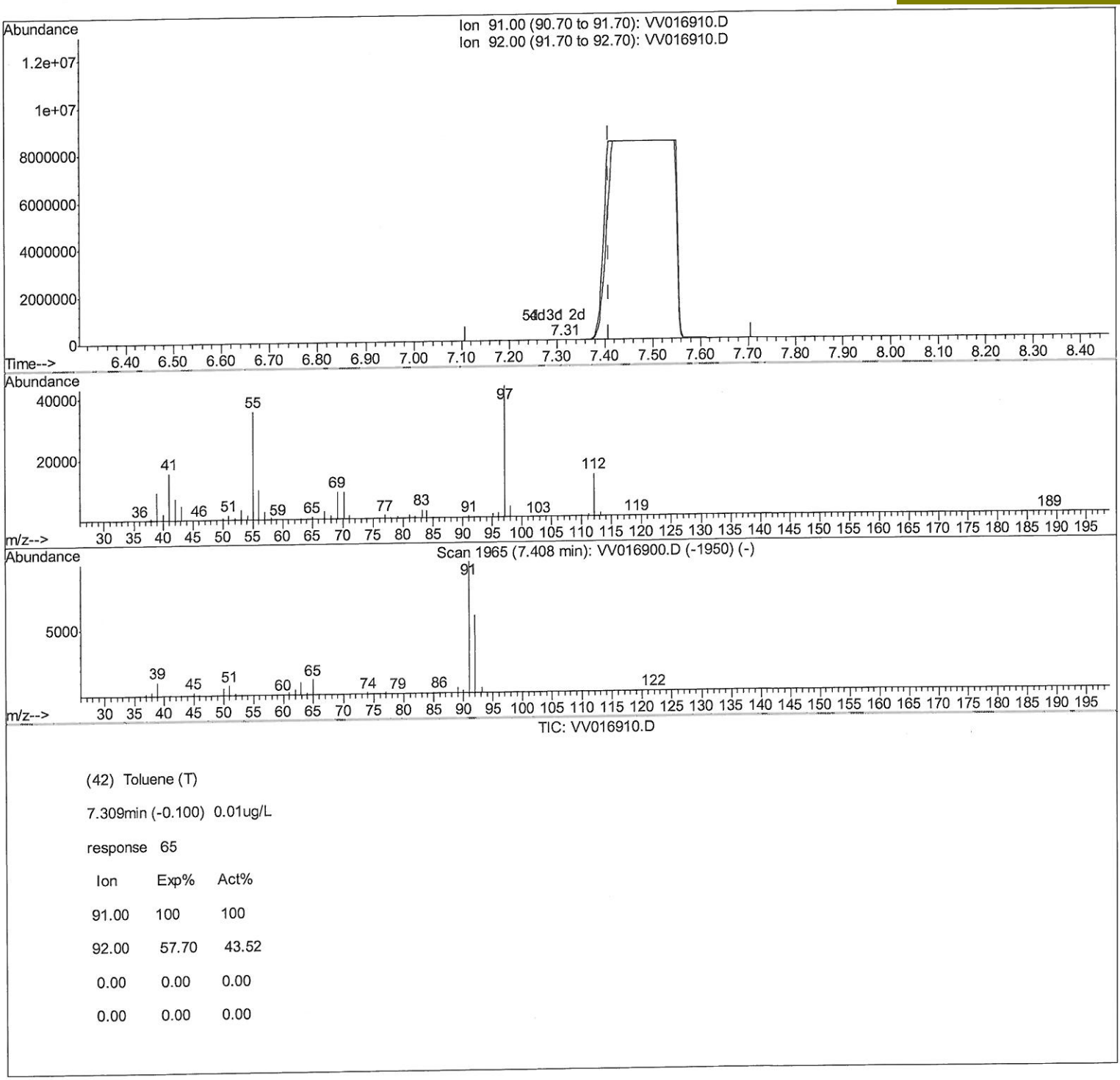
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM



(42) Toluene (T)

7.309min (-0.100) 0.01ug/L

response 65

Ion	Exp%	Act%
91.00	100	100
92.00	57.70	43.52
0.00	0.00	0.00
0.00	0.00	0.00

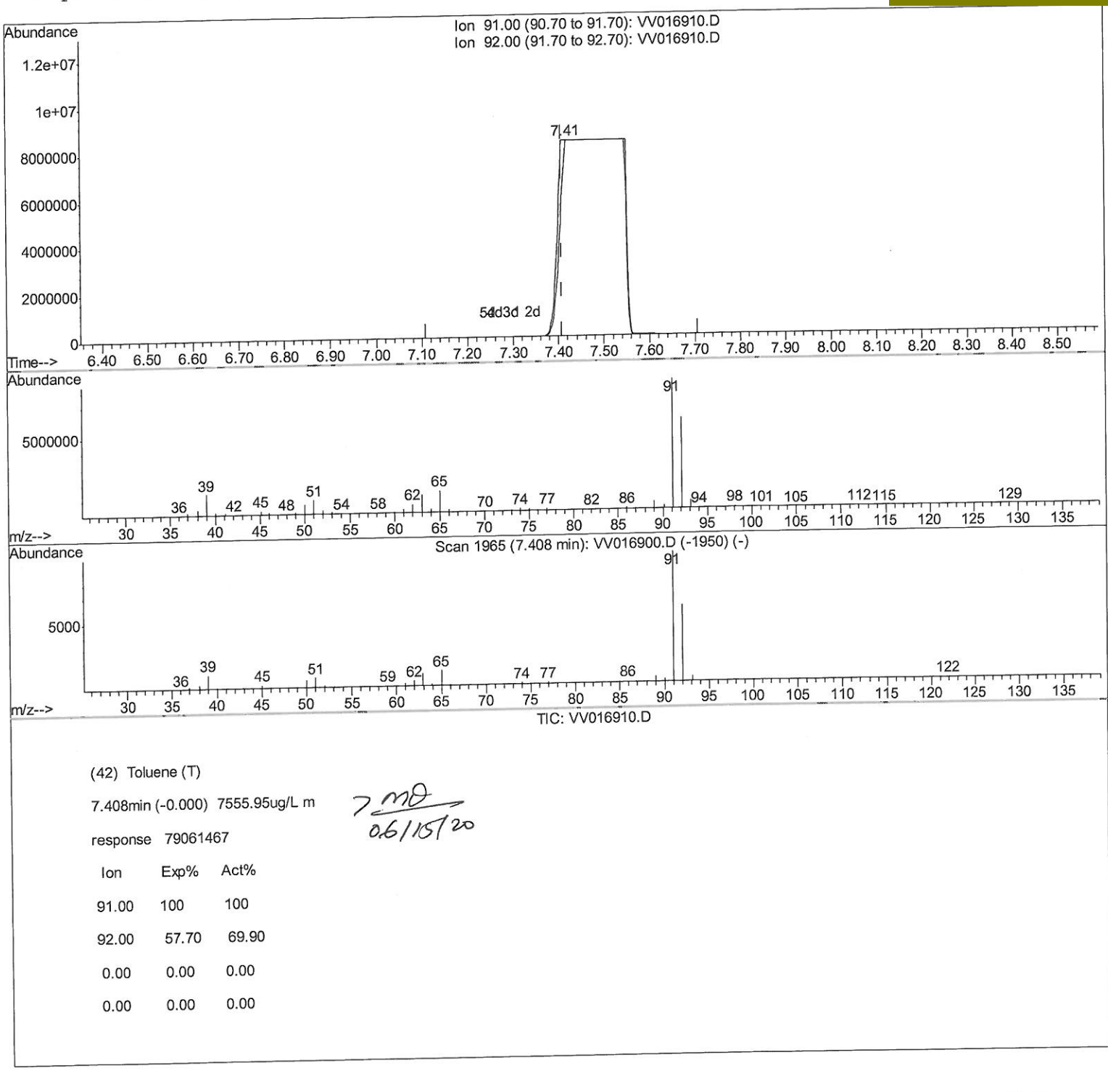
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM



TIC: VV016910.D

(42) Toluene (T)

7.408min (-0.000) 7555.95ug/L m

response 79061467

7 MD
06/15/20

Ion	Exp%	Act%
91.00	100	100
92.00	57.70	69.90
0.00	0.00	0.00
0.00	0.00	0.00

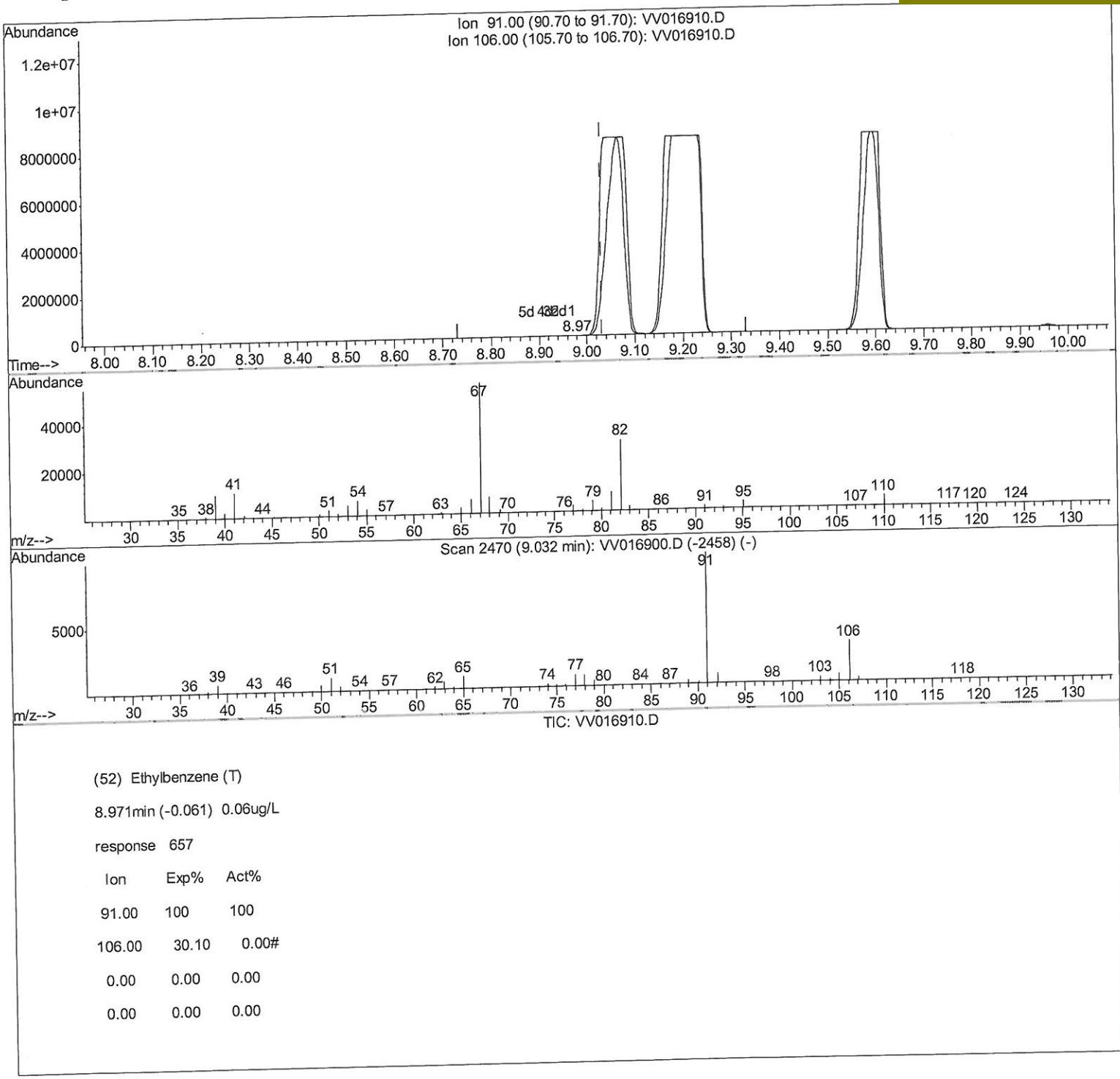
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM



(52) Ethylbenzene (T)

8.971min (-0.061) 0.06ug/L

response 657

Ion	Exp%	Act%
91.00	100	100
106.00	30.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

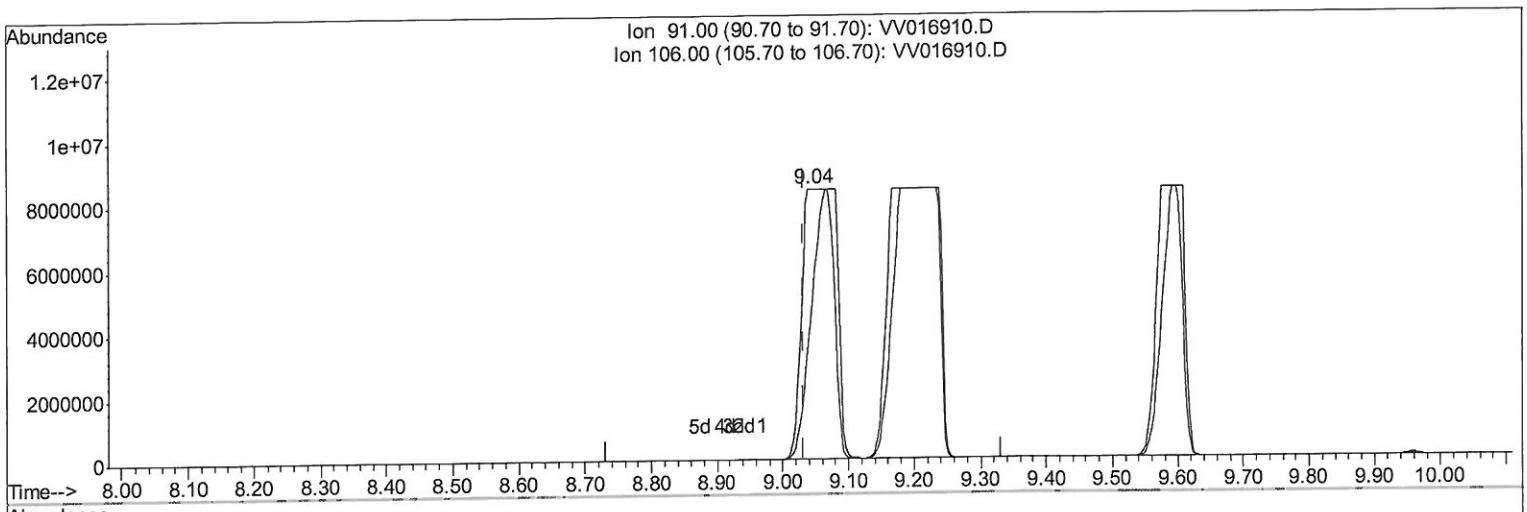
Quantitation Report (Qedit)

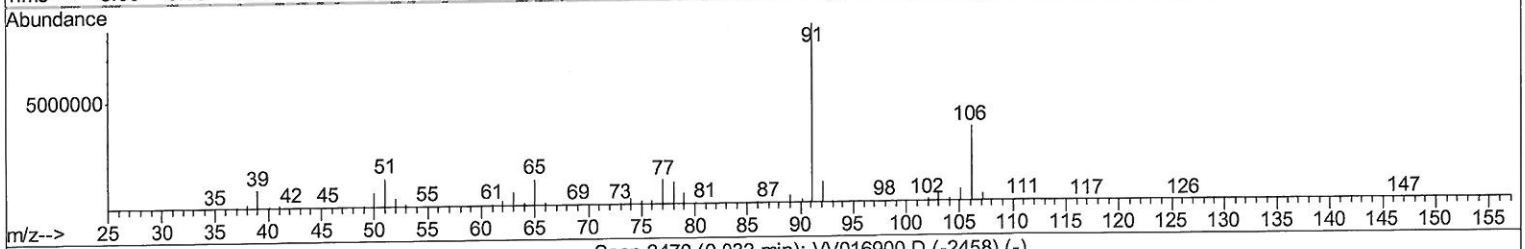
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

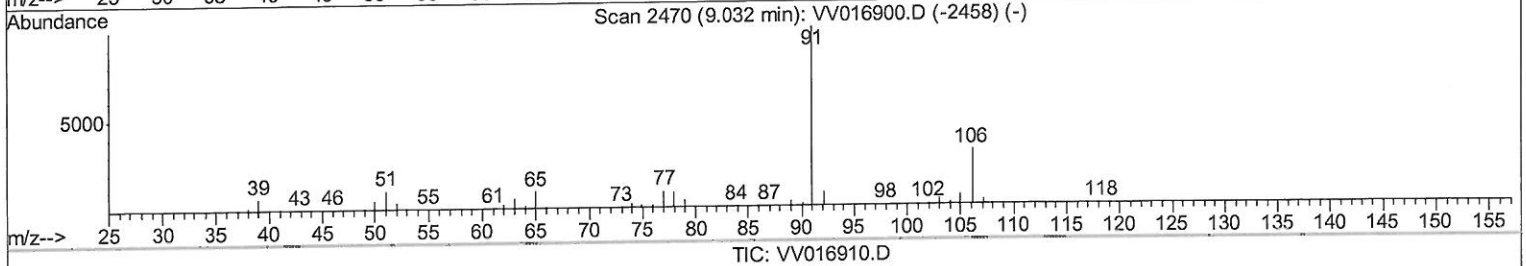
Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM







TIC: VV016910.D

(52) Ethylbenzene (T)

9.038min (+0.006) 2644.98ug/L m

response 30654452

7 MD 06/15/20

Ion	Exp%	Act%
91.00	100	100
106.00	30.10	41.76#
0.00	0.00	0.00
0.00	0.00	0.00

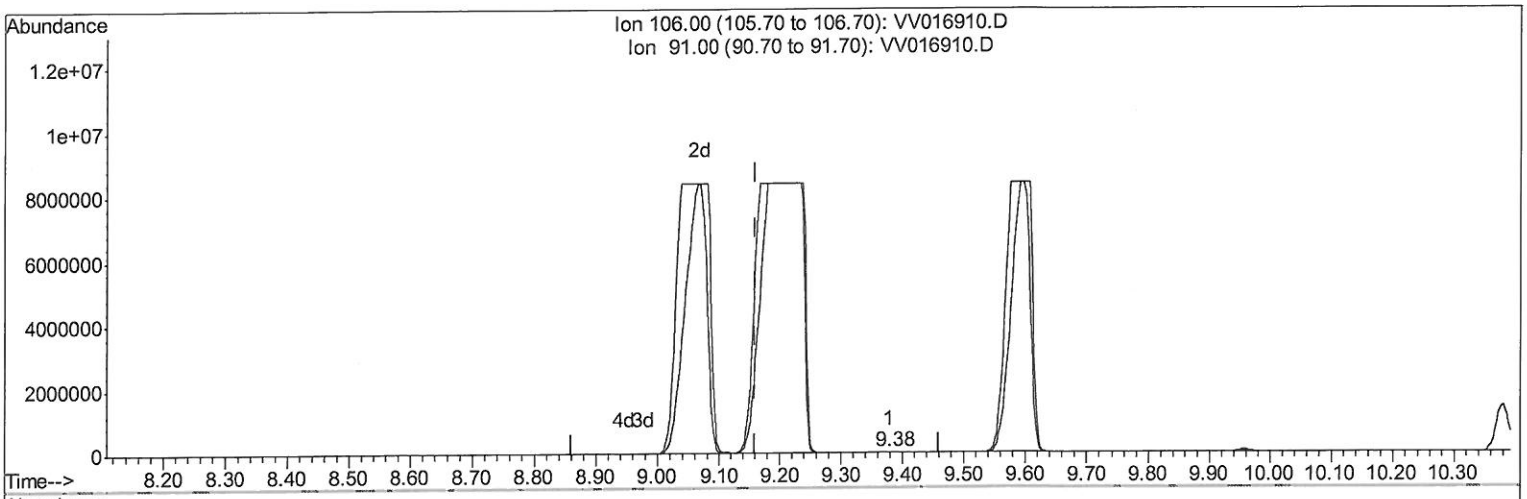
Quantitation Report (Qedit)

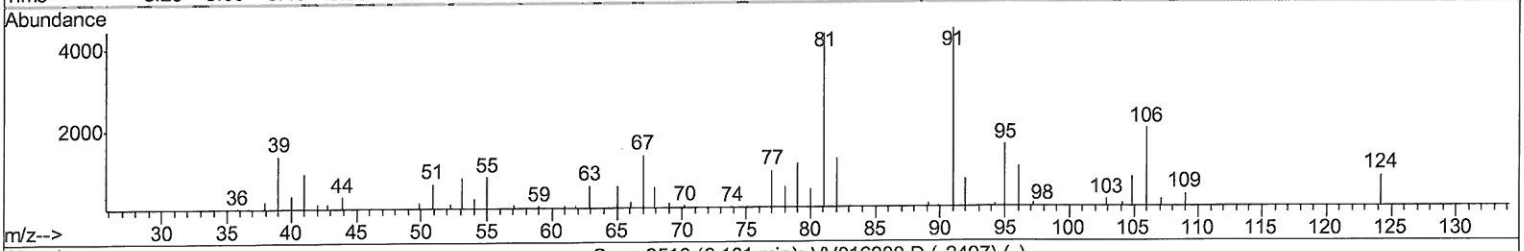
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

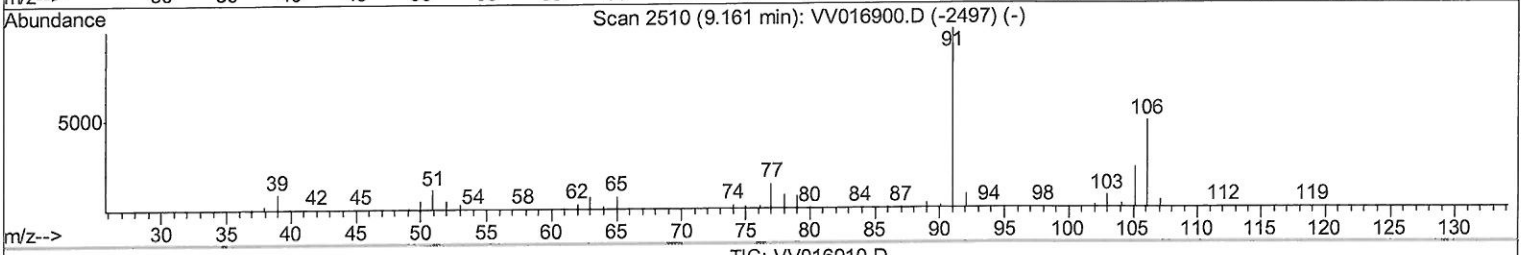
Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM







TIC: VV016910.D

(53) m,p-Xylene (T)

9.379min (+0.219) 0.10ug/L

response 420

Ion	Exp%	Act%
106.00	100	100
91.00	206.60	222.38
0.00	0.00	0.00
0.00	0.00	0.00

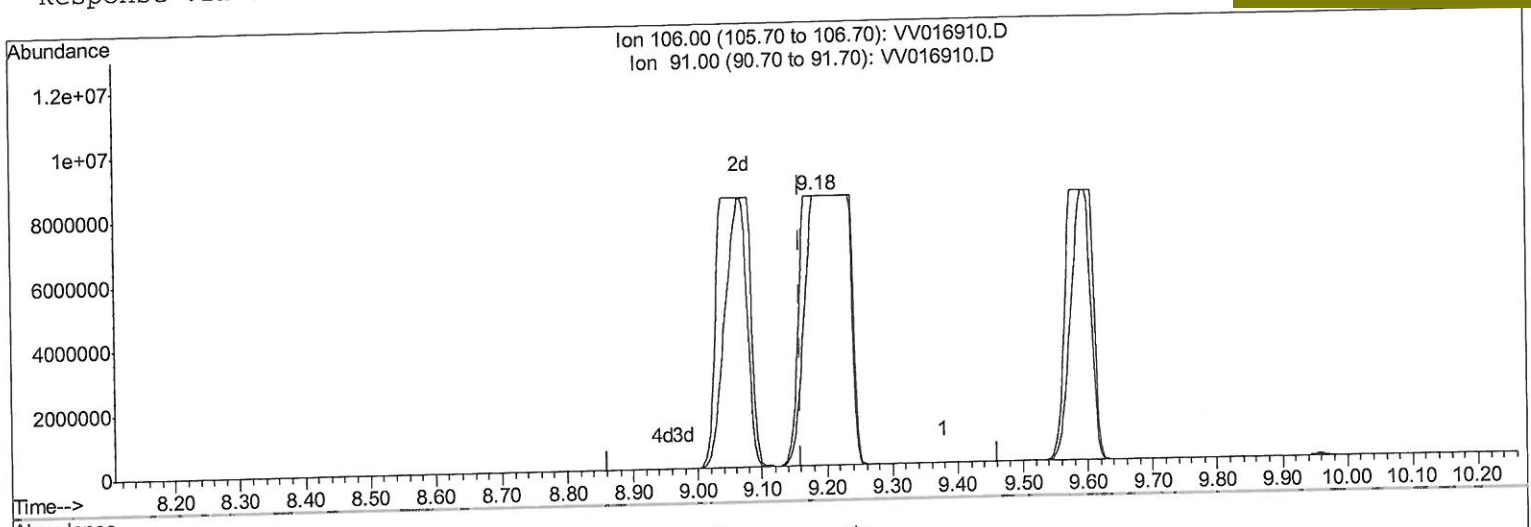
Quantitation Report (Qedit)

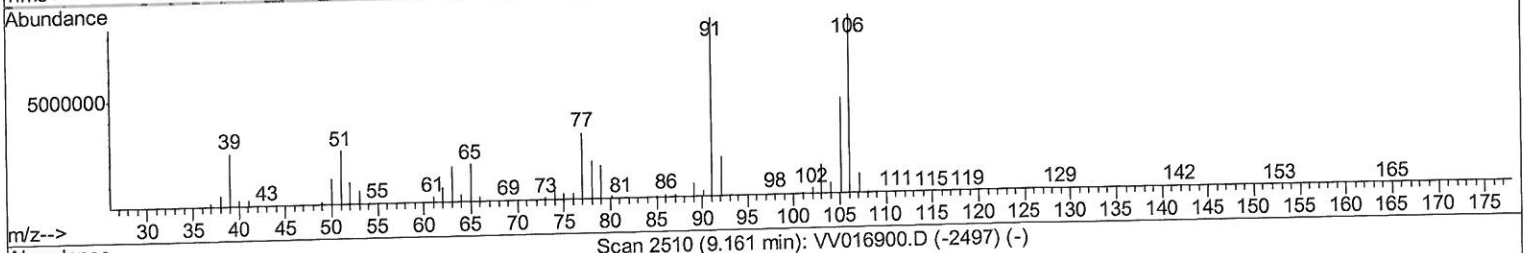
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

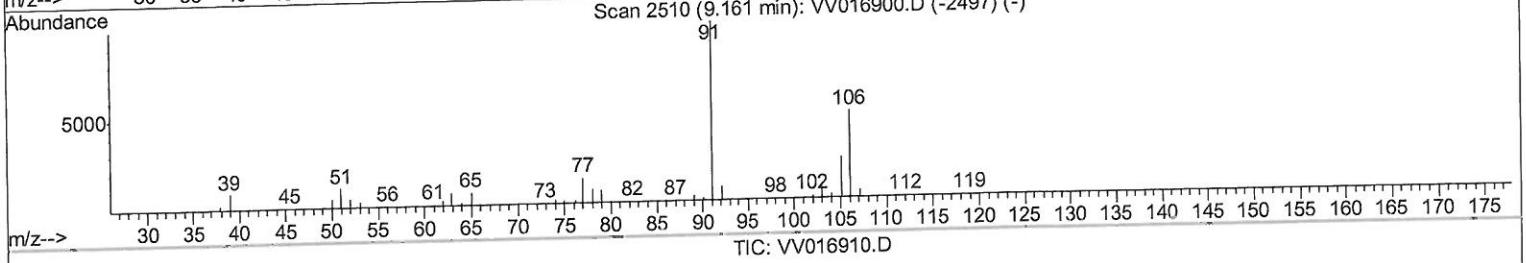
Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM







(53) m,p-Xylene (T)

9.180min (+0.019) 9087.76ug/L m > MD 06/15/20

response 39215529

Ion	Exp%	Act%
106.00	100	100
91.00	206.60	100.00#
0.00	0.00	0.00
0.00	0.00	0.00

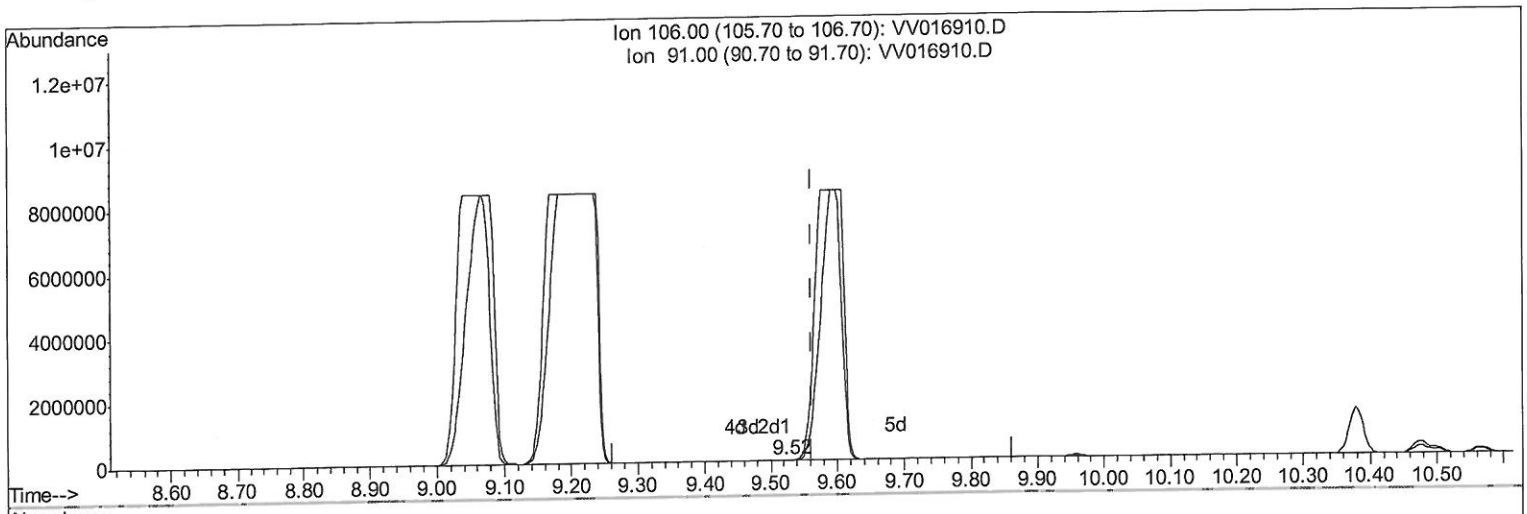
Quantitation Report (Qedit)

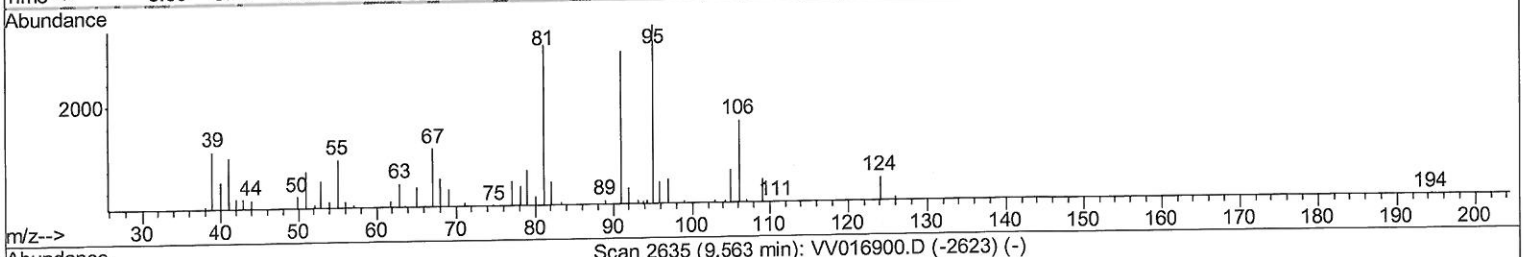
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

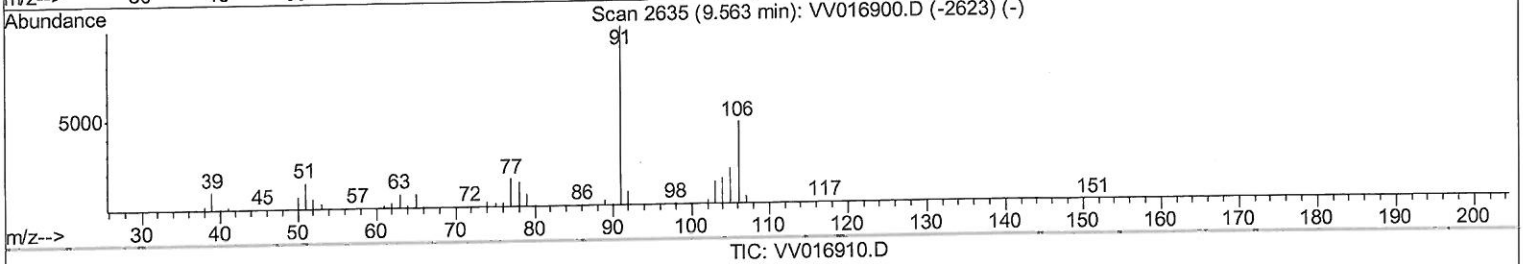
Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM







(54) o-xylene (T)

9.524min (-0.039) 0.08ug/L

response 320

Ion	Exp%	Act%
106.00	100	100
91.00	222.70	179.46
0.00	0.00	0.00
0.00	0.00	0.00

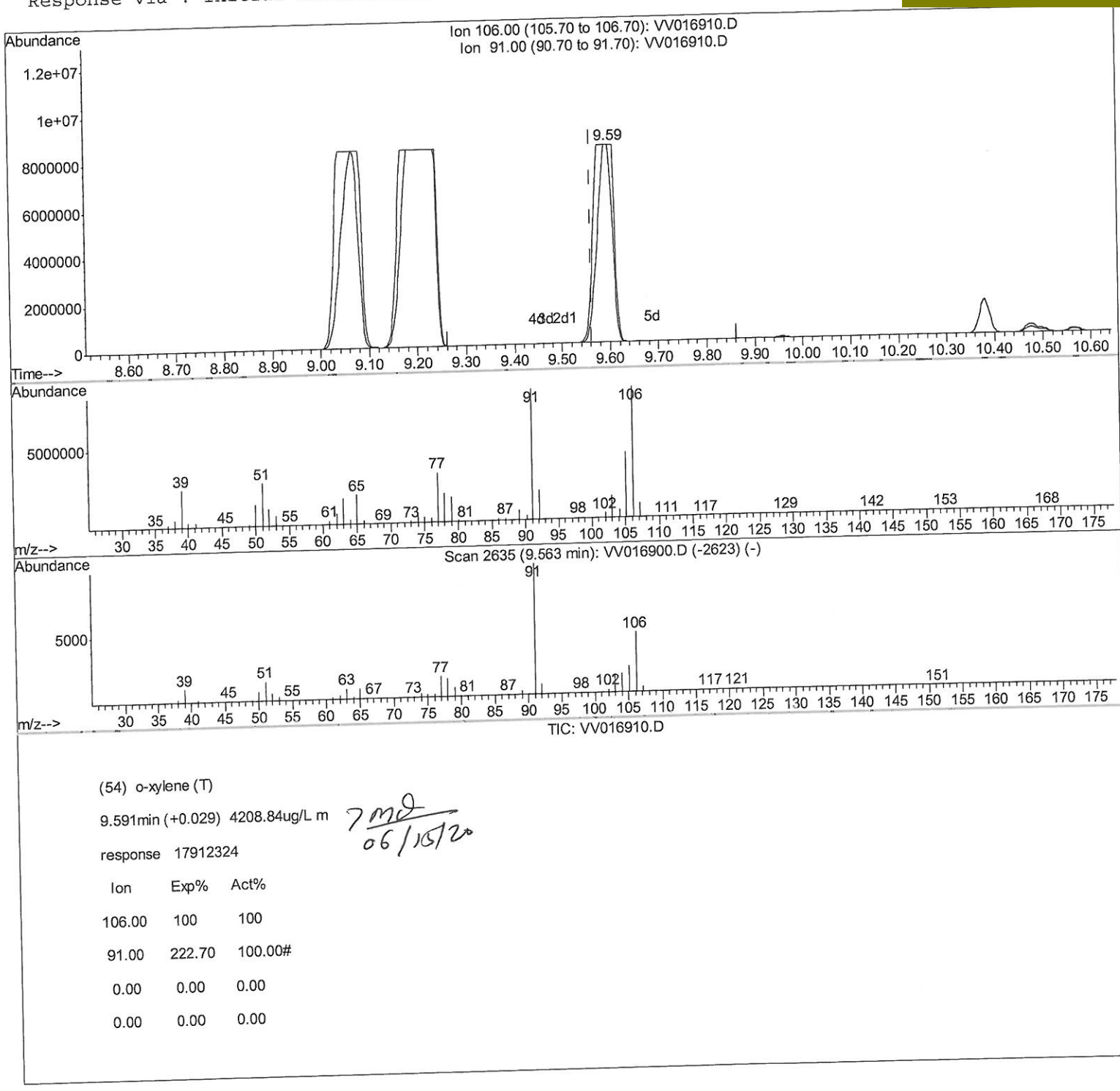
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 13 06:16:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM



(54) o-xylene (T)

9.591min (+0.029) 4208.84ug/L m

response 17912324

7MD 06/15/20

Ion	Exp%	Act%
106.00	100	100
91.00	222.70	100.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM

Quant Time: Jun 13 07:09:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.65	114	360409	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	335471	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	175835	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.31	65	105465	41.47	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 82.94%			
7) Chloroethane-d5	1.57	69	62419	40.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.80%			
11) 1,1-Dichloroethene-d2	2.12	63	147938	34.64	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.28%			
21) 2-Butanone-d5	3.90	46	179804	95.53	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 95.53%			
24) Chloroform-d	4.38	84	232893	45.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.08%			
26) 1,2-Dichloroethane-d4	5.06	65	170118	48.37	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.74%			
32) Benzene-d6	5.08	84	448338	46.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.72%			
36) 1,2-Dichloropropane-d6	6.10	67	141260	46.86	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.72%			
41) Toluene-d8	7.39	98	416143	46.89	ug/L	0.05
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.78%			
43) trans-1,3-Dichloropropene-	7.66	79	62272	39.66	ug/L	0.02
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.32%			
47) 2-Hexanone-d5	8.12	63	116666	88.77	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 88.77%			
57) 1,1,2,2-Tetrachloroethane-	10.24	84	170763	42.79	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 85.58%			
64) 1,2-Dichlorobenzene-d4	11.65	152	177369	47.27	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.54%			

Target Compounds						Qvalue
5) Vinyl chloride	1.32	62	11352	4.418	ug/L #	76
13) Acetone	2.18	43	3308	2.667	ug/L	95
15) Methyl Acetate	2.44	43	29569	10.697	ug/L	100
19) 1,1-Dichloroethane	3.21	63	29227	6.366	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	85518m	32.162	ug/L	
29) Cyclohexane	4.70	56	480756	115.324	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	4259m	0.996	ug/L	
34) Trichloroethene	5.95	95	2278	0.856	ug/L #	82
35) Methylcyclohexane	6.16	83	2668283	638.937	ug/L	97
42) Toluene	7.41	91	79061467m	7555.951	ug/L	
52) Ethylbenzene	9.04	91	30654452m	2644.981	ug/L	
53) m,p-Xylene	9.18	106	39215529m	9087.761	ug/L	
54) o-xylene	9.59	106	17912324m	4208.842	ug/L	
56) Isopropylbenzene	9.96	105	1115854	97.578	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	28110	5.037	ug/L	95

MD 06/15/20

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
Data File : VV016910.D
Acq On : 13 Jun 2020 04:29
Operator : SY/MD
Sample : L2990-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 13 07:09:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
E3YG8

Manual Integrations APPROVED
MMDadoda
6/15/2020 12:23:07 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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