Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\

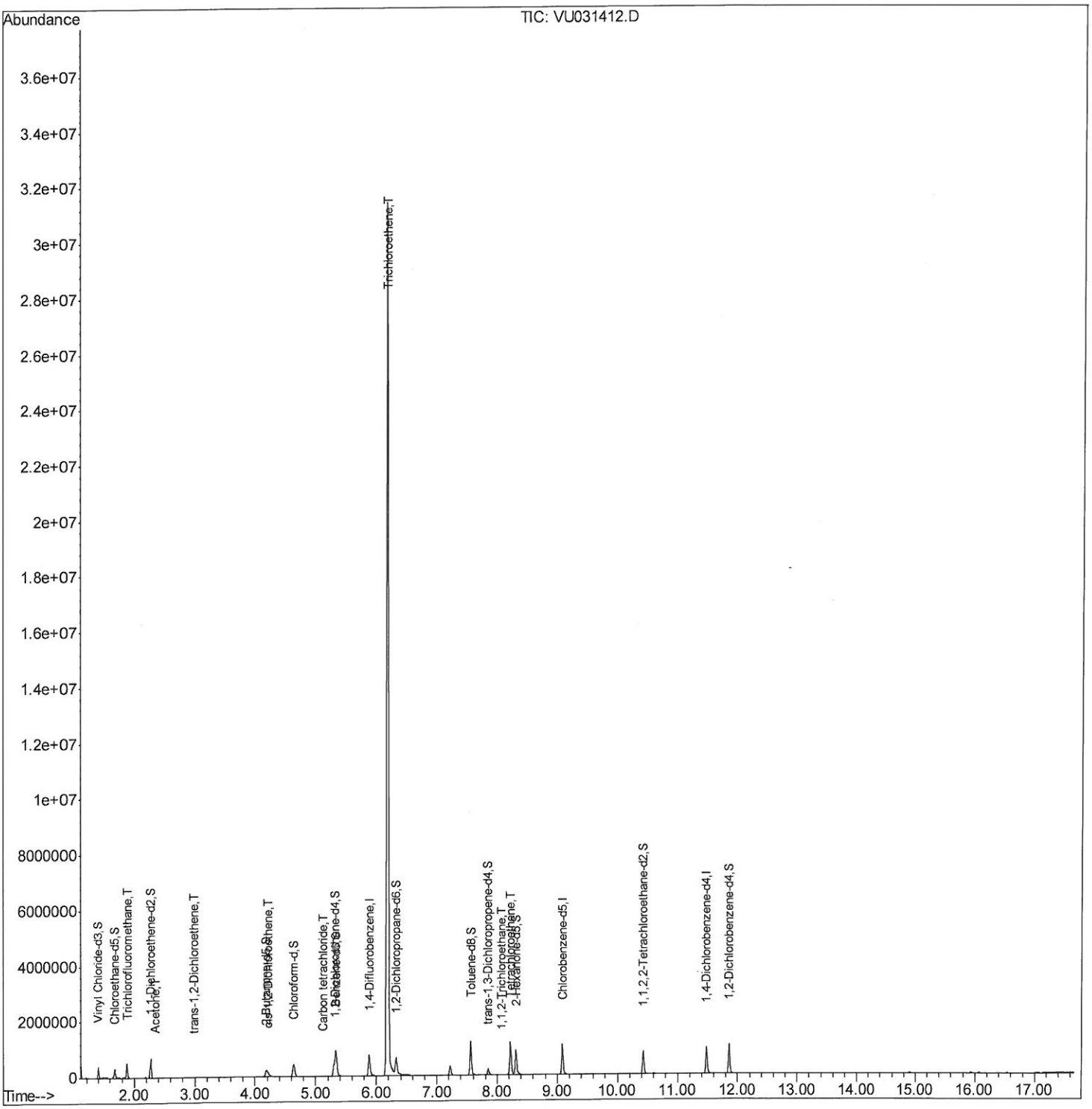
Quantitation Report (QT Reviewed)

Data File : VU031412.D
Acq On : 23 Apr 2019 00:25
Operator : JC/SP
Sample : K2477-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 23 05:06:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0X63

Manual Integrations APPROVED
MMDadoda
4/23/2019 11:35:40 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\

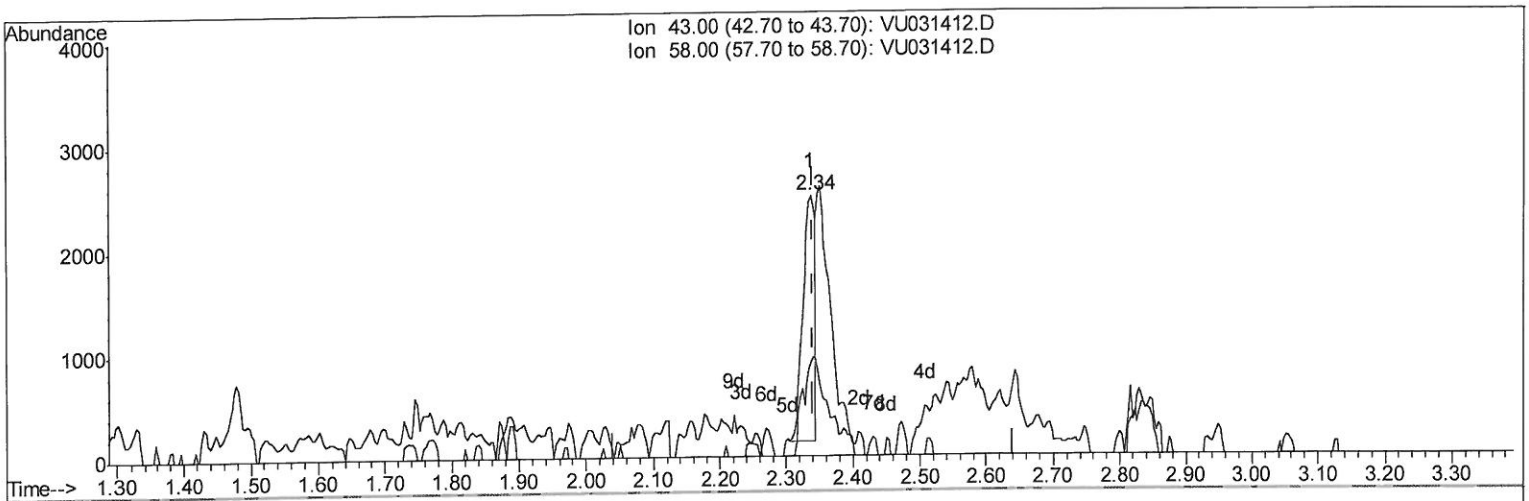
Quantitation Report (Qedit)

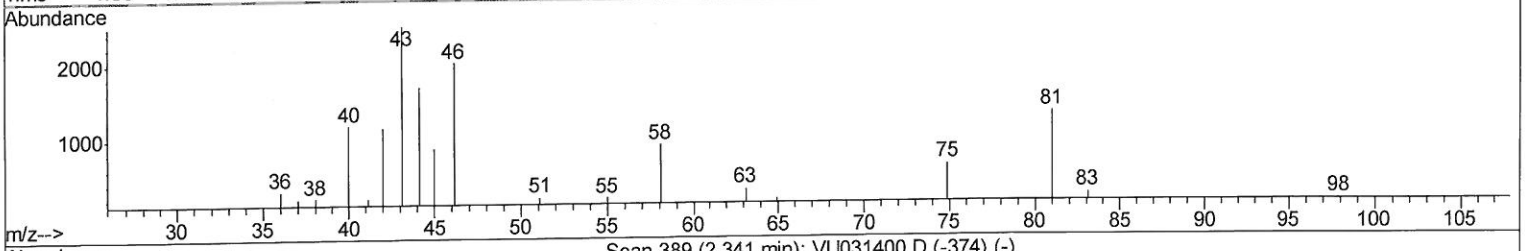
Data File : VU031412.D
Acq On : 23 Apr 2019 00:25
Operator : JC/SP
Sample : K2477-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

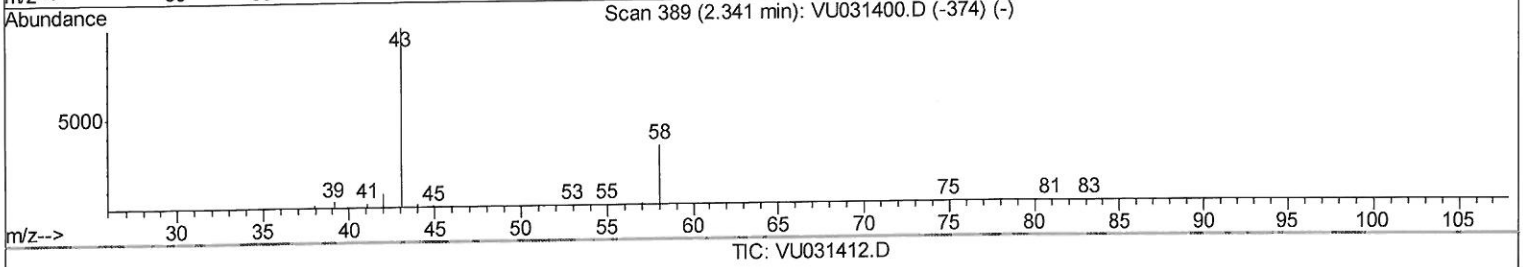
Quant Time: Apr 23 04:07:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0X63

Manual Integrations APPROVED
MMDadoda
4/23/2019 11:35:40 AM







TIC: VU031412.D

(13) Acetone (T)

2.337min (-0.003) 0.92ug/L

response 2984

Ion	Exp%	Act%
43.00	100	100
58.00	33.20	46.51
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\

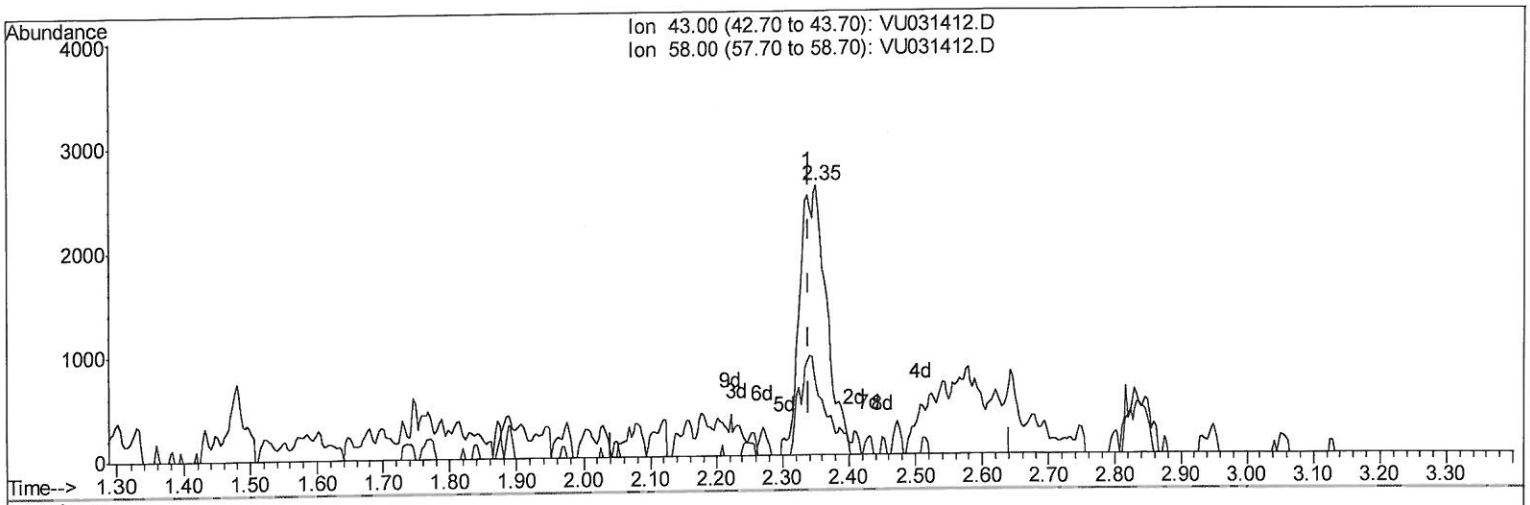
Quantitation Report (Qedit)

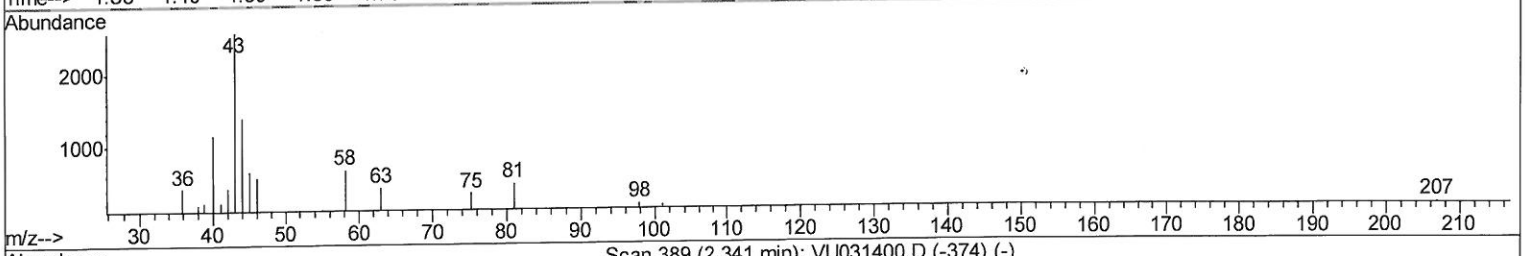
Data File : VU031412.D
Acq On : 23 Apr 2019 00:25
Operator : JC/SP
Sample : K2477-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

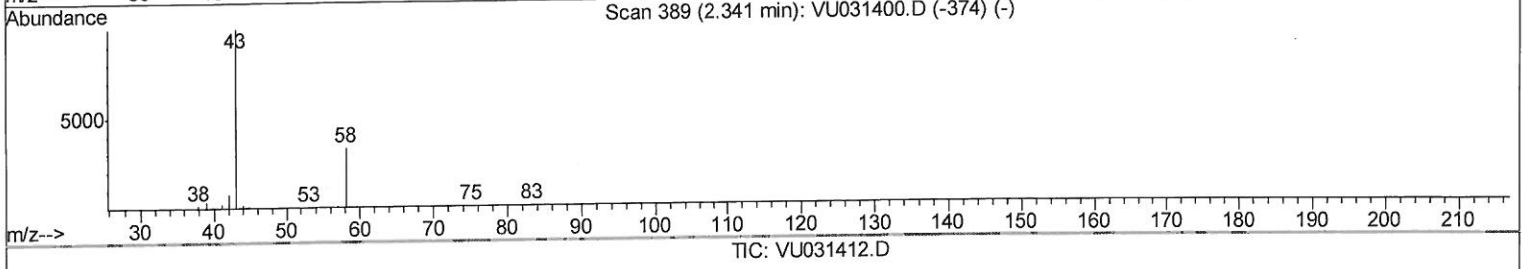
Quant Time: Apr 23 04:07:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0X63

Manual Integrations APPROVED
MMDadoda
4/23/2019 11:35:40 AM







TIC: VU031412.D

(13) Acetone (T)

2.350min (+0.010) 2.24ug/L m

response 7251

Ion	Exp%	Act%
43.00	100	100
58.00	33.20	19.14
0.00	0.00	0.00
0.00	0.00	0.00

MD 4/24/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\

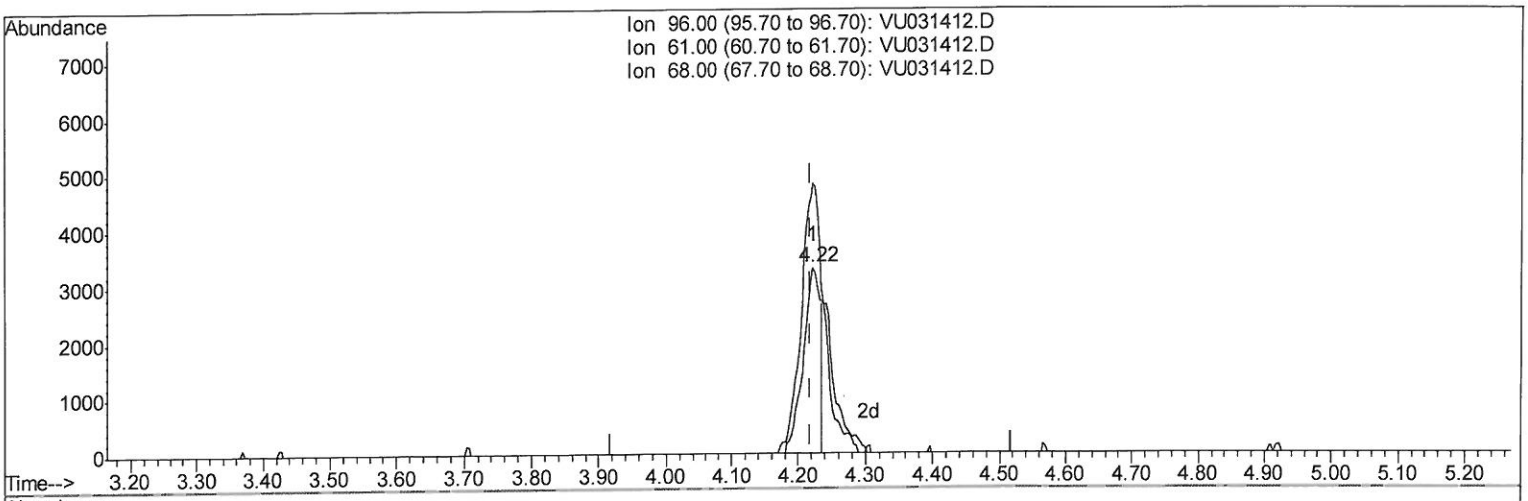
Quantitation Report (Qedit)

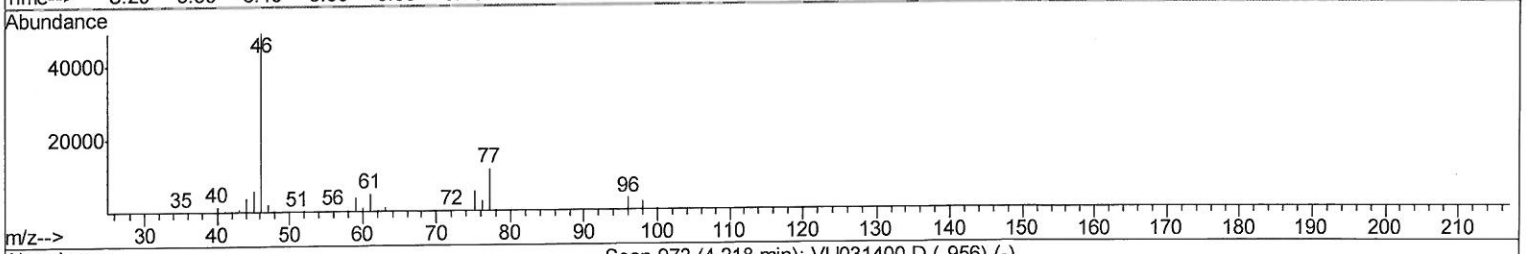
Data File : VU031412.D
Acq On : 23 Apr 2019 00:25
Operator : JC/SP
Sample : K2477-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

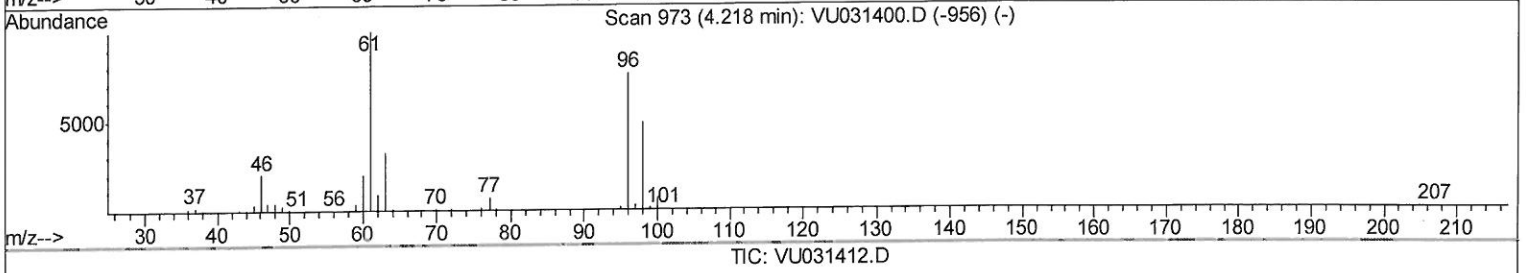
Quant Time: Apr 23 04:07:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0X63

Manual Integrations APPROVED
MMDadoda
4/23/2019 11:35:40 AM







TIC: VU031412.D

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

4.222min (+0.003) 1.21ug/L

response 5865

Ion	Exp%	Act%
96.00	100	100
61.00	131.30	145.55
68.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\

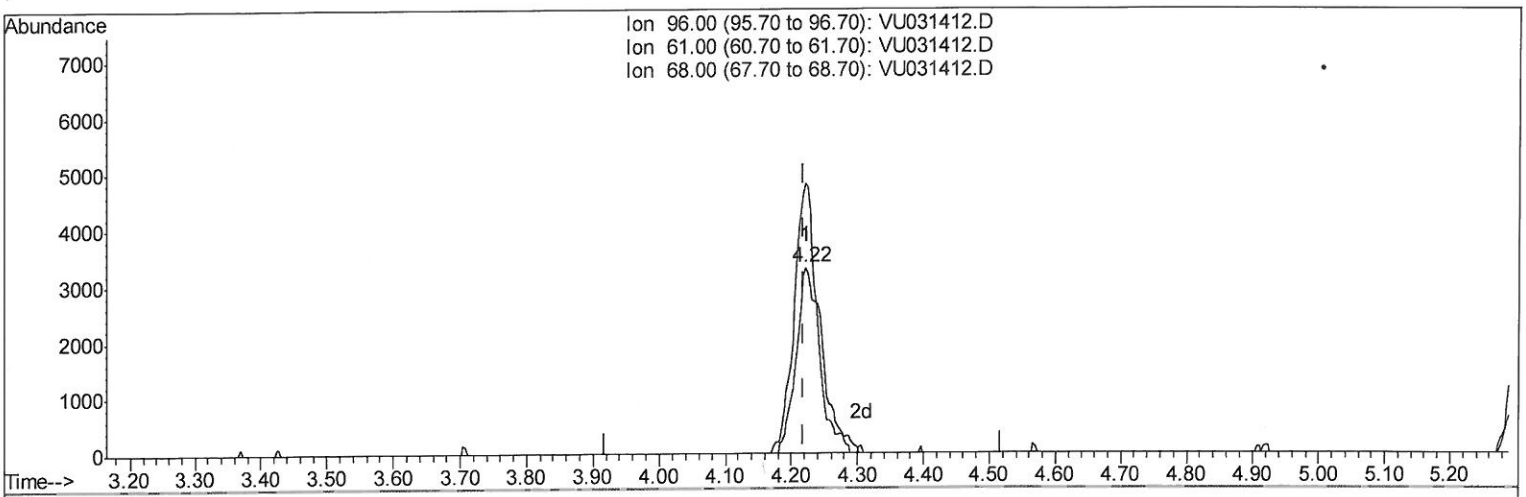
Quantitation Report (Qedit)

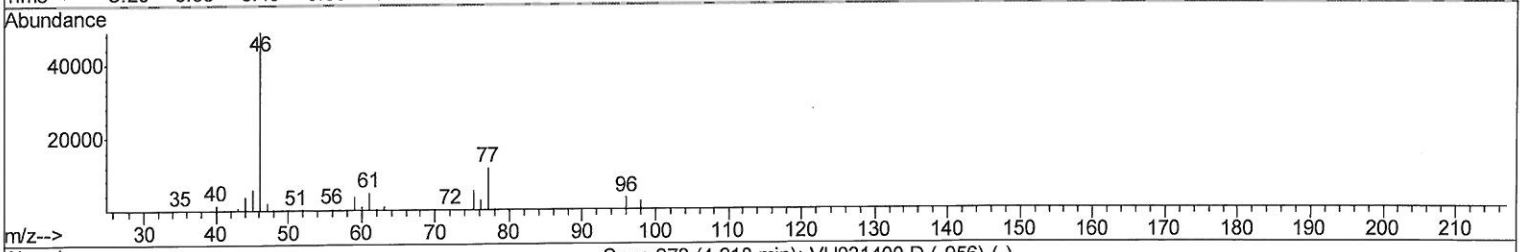
Data File : VU031412.D
Acq On : 23 Apr 2019 00:25
Operator : JC/SP
Sample : K2477-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

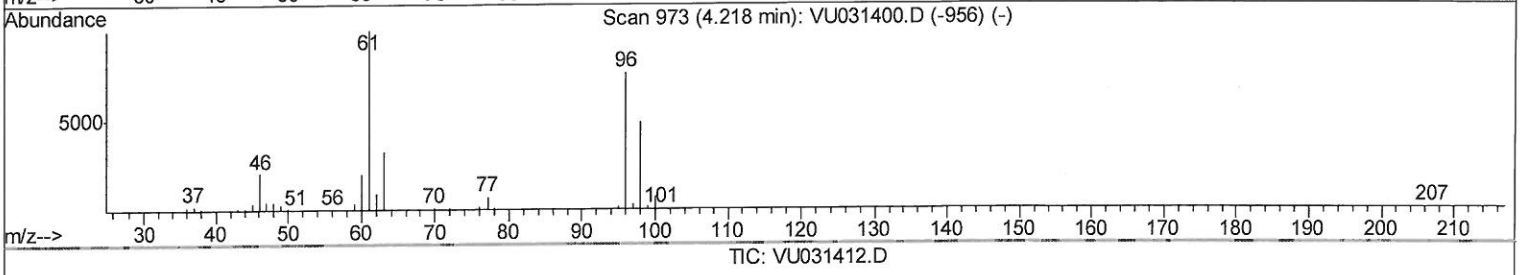
Quant Time: Apr 23 04:07:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0X63

Manual Integrations APPROVED
MMDadoda
4/23/2019 11:35:40 AM







TIC: VU031412.D

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

4.222min (+0.003) 1.70ug/L m

response 8272

SMD 4/24/19

Ion	Exp%	Act%
96.00	100	100
61.00	131.30	145.55
68.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\

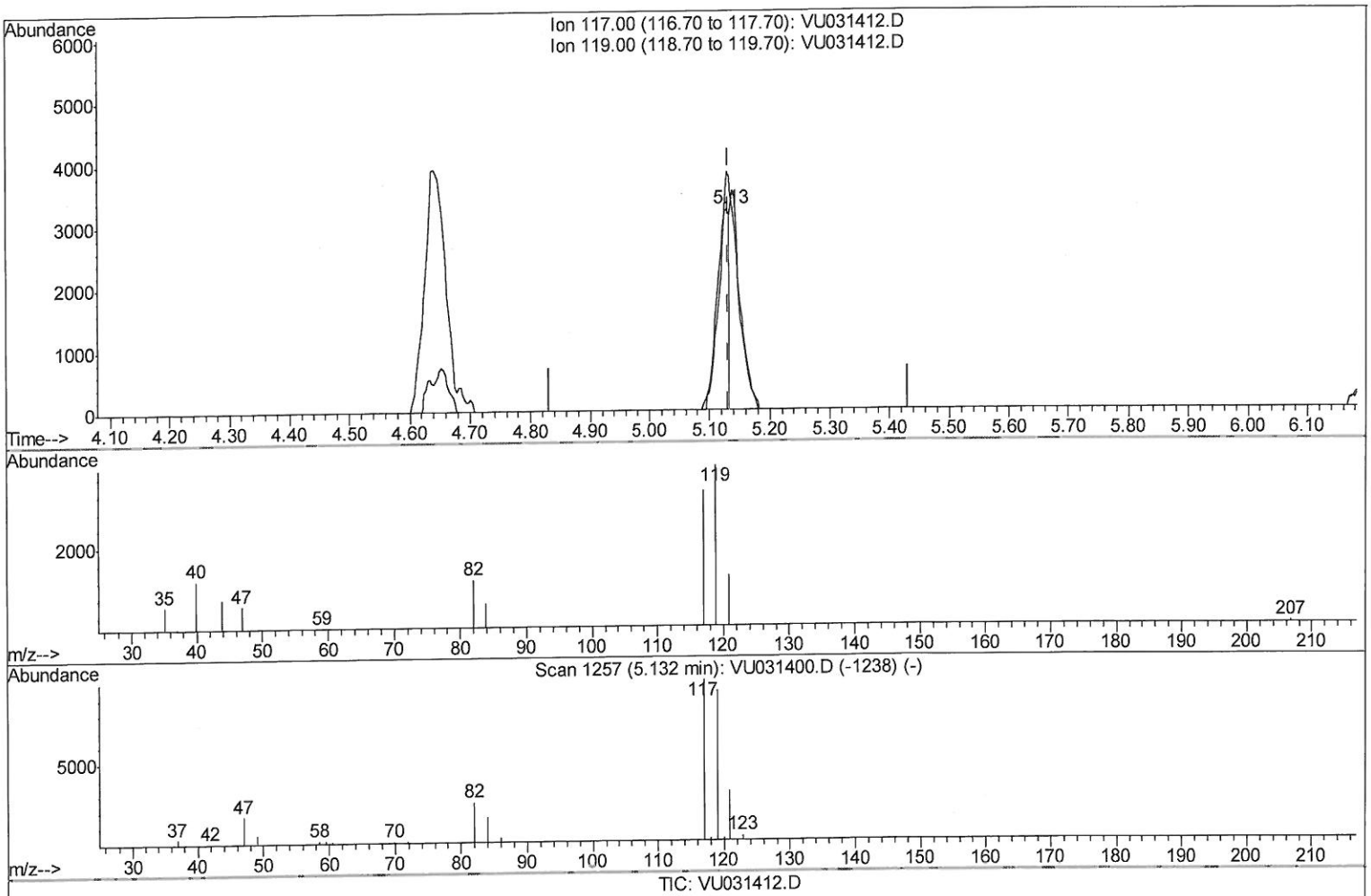
Quantitation Report (Qedit)

Data File : VU031412.D
Acq On : 23 Apr 2019 00:25
Operator : JC/SP
Sample : K2477-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 23 04:07:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0X63

Manual Integrations APPROVED
MMDadoda
4/23/2019 11:35:40 AM



(31) Carbon tetrachloride (T)

5.128min (-0.003) 0.77ug/L

response 4452

Ion	Exp%	Act%
117.00	100	100
119.00	95.30	188.50#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\

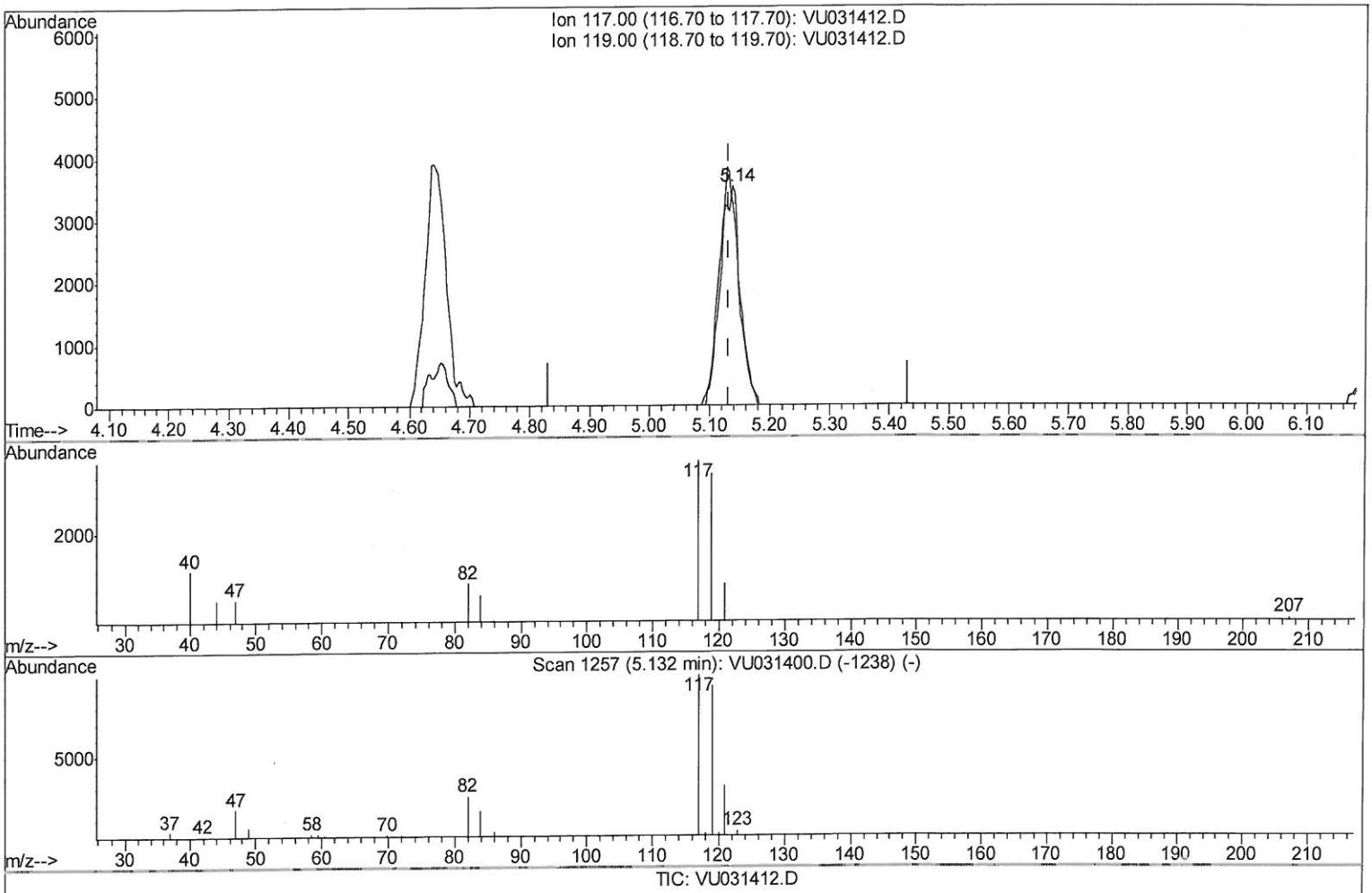
Quantitation Report (Qedit)

Data File : VU031412.D
Acq On : 23 Apr 2019 00:25
Operator : JC/SP
Sample : K2477-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 23 04:07:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0X63

Manual Integrations APPROVED
MMDadoda
4/23/2019 11:35:40 AM



TIC: VU031412.D

(31) Carbon tetrachloride (T)

5.138min (+0.006) 1.49ug/L m

response 8573

JMD 4/24/19

Ion	Exp%	Act%
117.00	100	100
119.00	95.30	97.89
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\

Quantitation Report (QT Reviewed)

Data File : VU031412.D
Acq On : 23 Apr 2019 00:25
Operator : JC/SP
Sample : K2477-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 23 05:06:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : C0X63

Manual Integrations APPROVED
MMDadoda
4/23/2019 11:35:40 AM

Internal Standards			R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene			5.88	114	680980	50.00	ug/L	0.00
28) Chlorobenzene-d5			9.09	117	631549	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4			11.48	152	265830	50.00	ug/L	0.00
System Monitoring Compounds								
4) Vinyl Chloride-d3			1.40	65	274884	49.81	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135			Recovery =	99.62%		
7) Chloroethane-d5			1.68	69	222346	52.92	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130			Recovery =	105.84%		
11) 1,1-Dichloroethene-d2			2.27	63	390494	40.68	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125			Recovery =	81.36%		
21) 2-Butanone-d5			4.19	46	455507	110.41	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130			Recovery =	110.41%		
24) Chloroform-d			4.64	84	447791	50.93	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125			Recovery =	101.86%		
26) 1,2-Dichloroethane-d4			5.31	65	278194	52.82	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125			Recovery =	105.64%		
32) Benzene-d6			5.34	84	966223	52.96	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125			Recovery =	105.92%		
36) 1,2-Dichloropropane-d6			6.33	67	306870	52.27	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120			Recovery =	104.54%		
41) Toluene-d8			7.56	98	852347	52.30	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120			Recovery =	104.60%		
43) trans-1,3-Dichloropropene-			7.85	79	133629	49.95	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125			Recovery =	99.90%		
47) 2-Hexanone-d5			8.31	63	330704	112.43	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130			Recovery =	112.43%		
57) 1,1,2,2-Tetrachloroethane-			10.43	84	420502	52.80	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120			Recovery =	105.60%		
64) 1,2-Dichlorobenzene-d4			11.85	152	296050	54.48	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120			Recovery =	108.96%		
Target Compounds								Qvalue
9) Trichlorofluoromethane			1.88	101	317984	43.742	ug/L	100
13) Acetone			2.35	43	7251m	2.239	ug/L	
17) trans-1,2-Dichloroethene			2.98	96	1643	0.384	ug/L #	72
20) cis-1,2-Dichloroethene			4.22	96	8272m	1.704	ug/L	
31) Carbon tetrachloride			5.14	117	8573m	1.487	ug/L	
34) Trichloroethene			6.18	95	11596223	2395.739	ug/L	99
45) 1,1,2-Trichloroethane			8.07	97	1841	0.412	ug/L #	81
46) Tetrachloroethene			8.22	164	284939	83.002	ug/L	98

MM 4/24/19

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