Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\

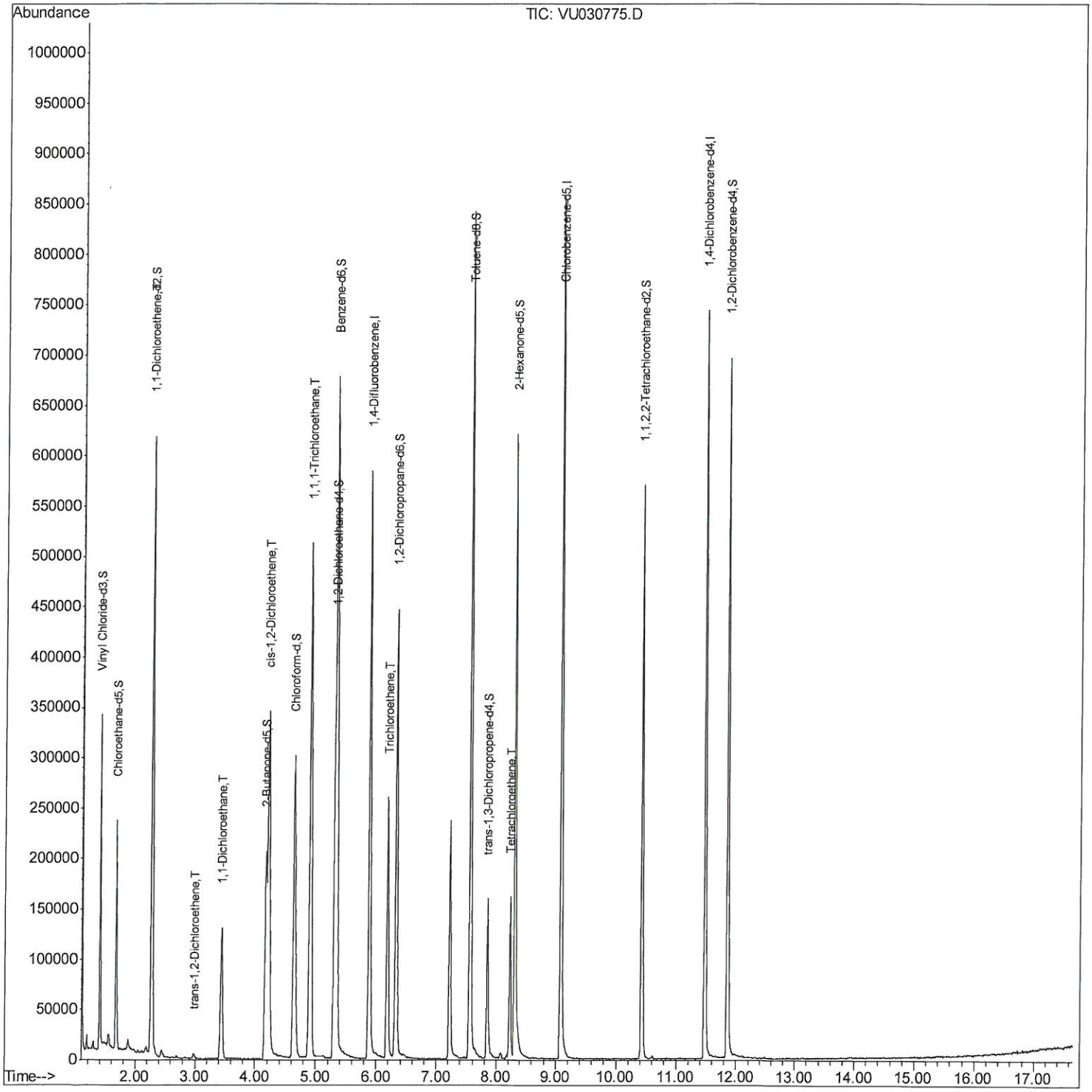
Quantitation Report (QT Reviewed)

Data File : VU030775.D
Acq On : 06 Apr 2019 04:52
Operator : JC/SP
Sample : K2249-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 06 05:48:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 06 05:25:32 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
E3YE4DL

Manual Integrations APPROVED
MMDadoda
4/6/2019 10:33:07 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\

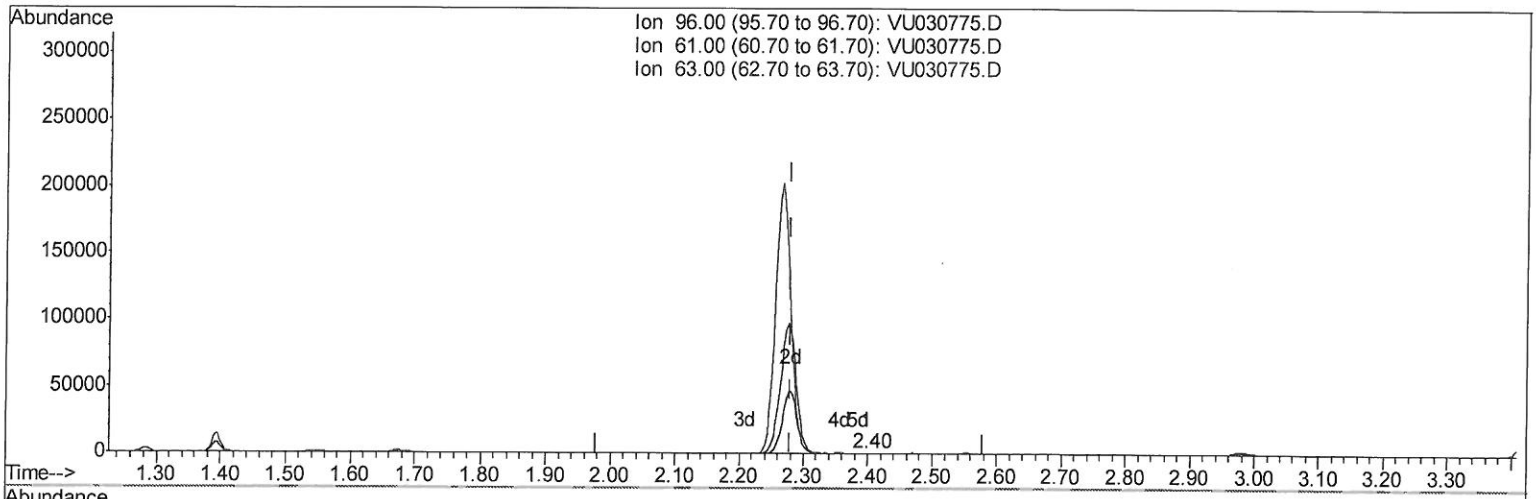
Quantitation Report (Qedit)

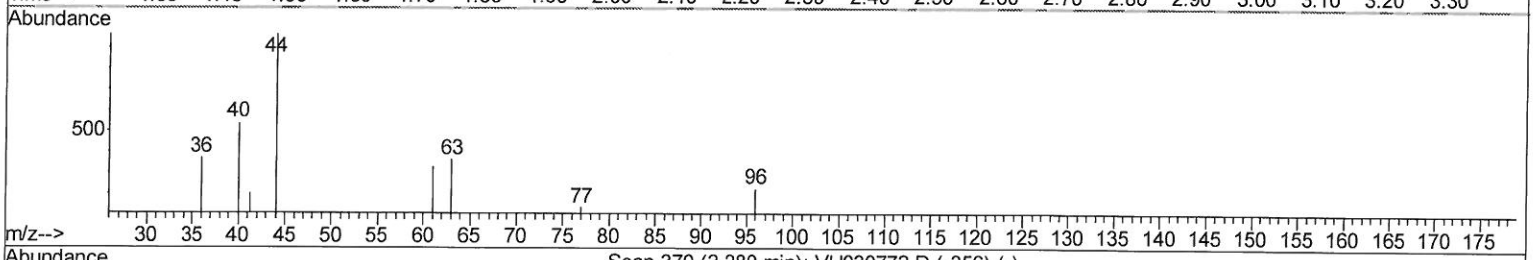
Data File : VU030775.D
Acq On : 06 Apr 2019 04:52
Operator : JC/SP
Sample : K2249-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

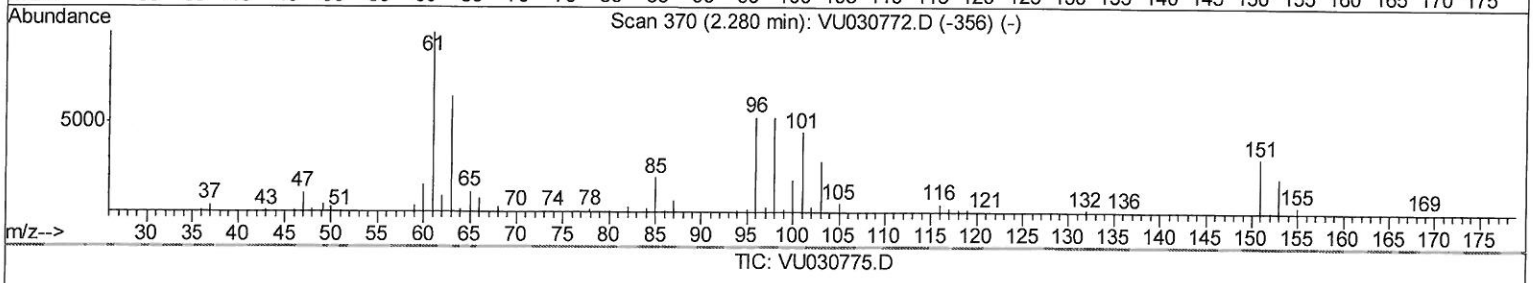
Quant Time: Apr 06 05:28:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 06 05:25:32 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
E3YE4DL

Manual Integrations APPROVED
MMDadoda
4/6/2019 10:33:07 AM







TIC: VU030775.D

(12) 1,1-Dichloroethene (T)

2.399min (+0.119) 0.04ug/L

response 143

Ion	Exp%	Act%
96.00	100	100
61.00	188.60	147.75
63.00	129.90	162.61
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\

Quantitation Report (Qedit)

Data File : VU030775.D
Acq On : 06 Apr 2019 04:52
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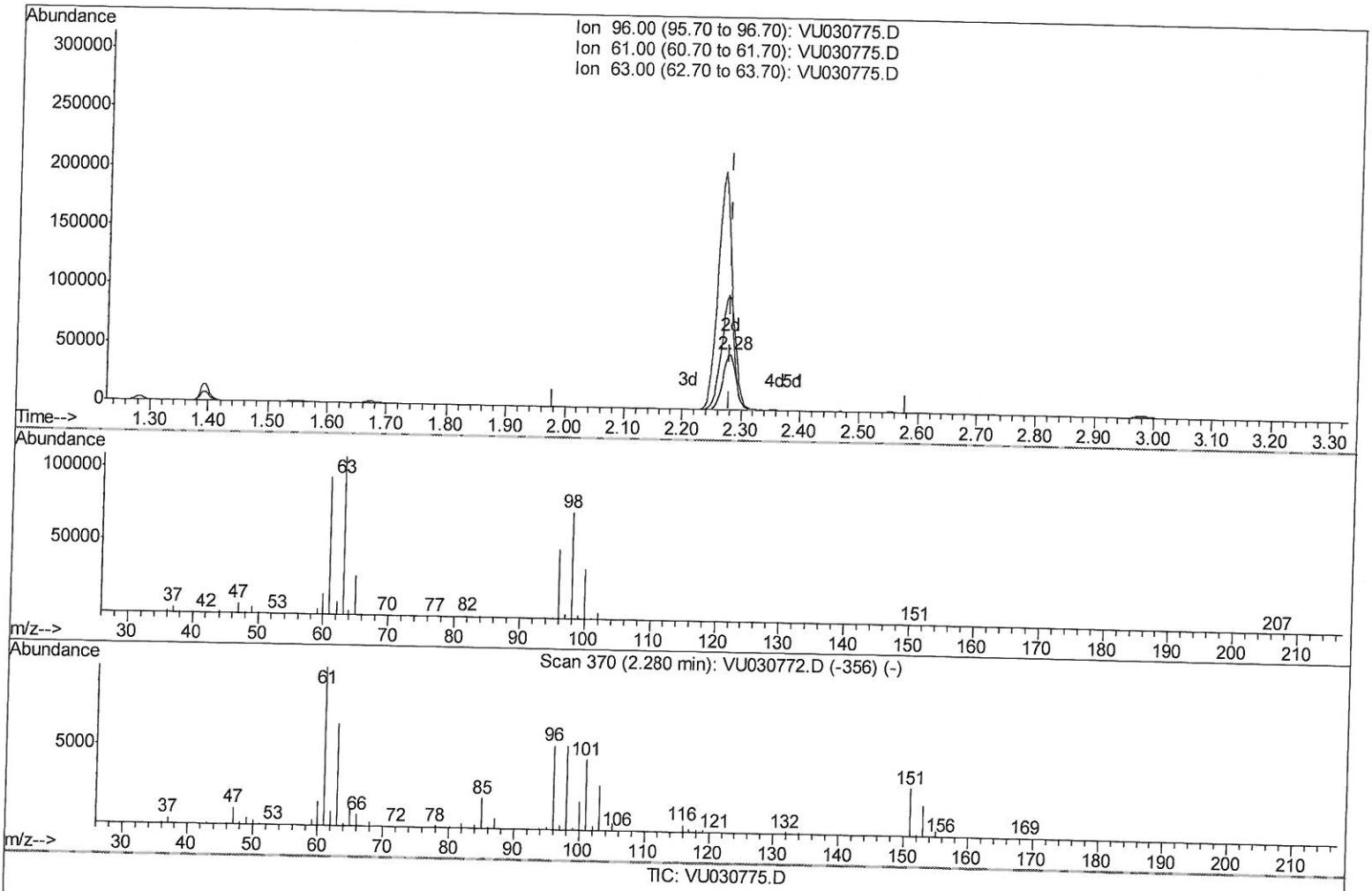
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 06 05:28:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 06 05:25:32 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
E3YE4DL

Manual Integrations APPROVED
MMDadoda
4/6/2019 10:33:07 AM



TIC: VU030775.D

(12) 1,1-Dichloroethene (T)

2.280min (-0.000) 23.11ug/L m

response 74244

> MD 4/7/19

Ion	Exp%	Act%
96.00	100	100
61.00	188.60	198.43
63.00	129.90	228.08#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\

Quantitation Report (QT Reviewed)

Data File : VU030775.D
Acq On : 06 Apr 2019 04:52
Operator : JC/SP
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Misc : 5.0mL/MSVOA_U/WATER
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 06 05:25:32 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : E3YE4DL

Manual Integrations APPROVED
MMDadoda
4/6/2019 10:33:07 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	464823	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	455377	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	188292	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	214616	51.72	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 103.44%			
7) Chloroethane-d5	1.68	69	162168	51.49	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.98%			
11) 1,1-Dichloroethene-d2	2.27	63	327498	43.64	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 87.28%			
21) 2-Butanone-d5	4.17	46	348643	106.02	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 106.02%			
24) Chloroform-d	4.64	84	291612	46.01	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.02%			
26) 1,2-Dichloroethane-d4	5.31	65	223331	51.64	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.28%			
32) Benzene-d6	5.34	84	648051	48.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.50%			
36) 1,2-Dichloropropane-d6	6.32	67	225926	49.59	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.18%			
41) Toluene-d8	7.56	98	563204	47.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.60%			
43) trans-1,3-Dichloropropene-	7.85	79	95347	45.90	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.80%			
47) 2-Hexanone-d5	8.31	63	208935	100.34	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 100.34%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294920	47.99	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.98%			
64) 1,2-Dichlorobenzene-d4	11.85	152	182983	49.41	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.82%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.28	96	74244m	23.107	ug/L	
17) trans-1,2-Dichloroethene	2.98	96	2209	0.647	ug/L	96
19) 1,1-Dichloroethane	3.44	63	144777	20.563	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	176892	46.959	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	398132	71.740	ug/L	99
34) Trichloroethene	6.18	95	93212	25.503	ug/L	100
46) Tetrachloroethene	8.22	164	35755	13.456	ug/L	96

MD 4/7/19

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