Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070119\

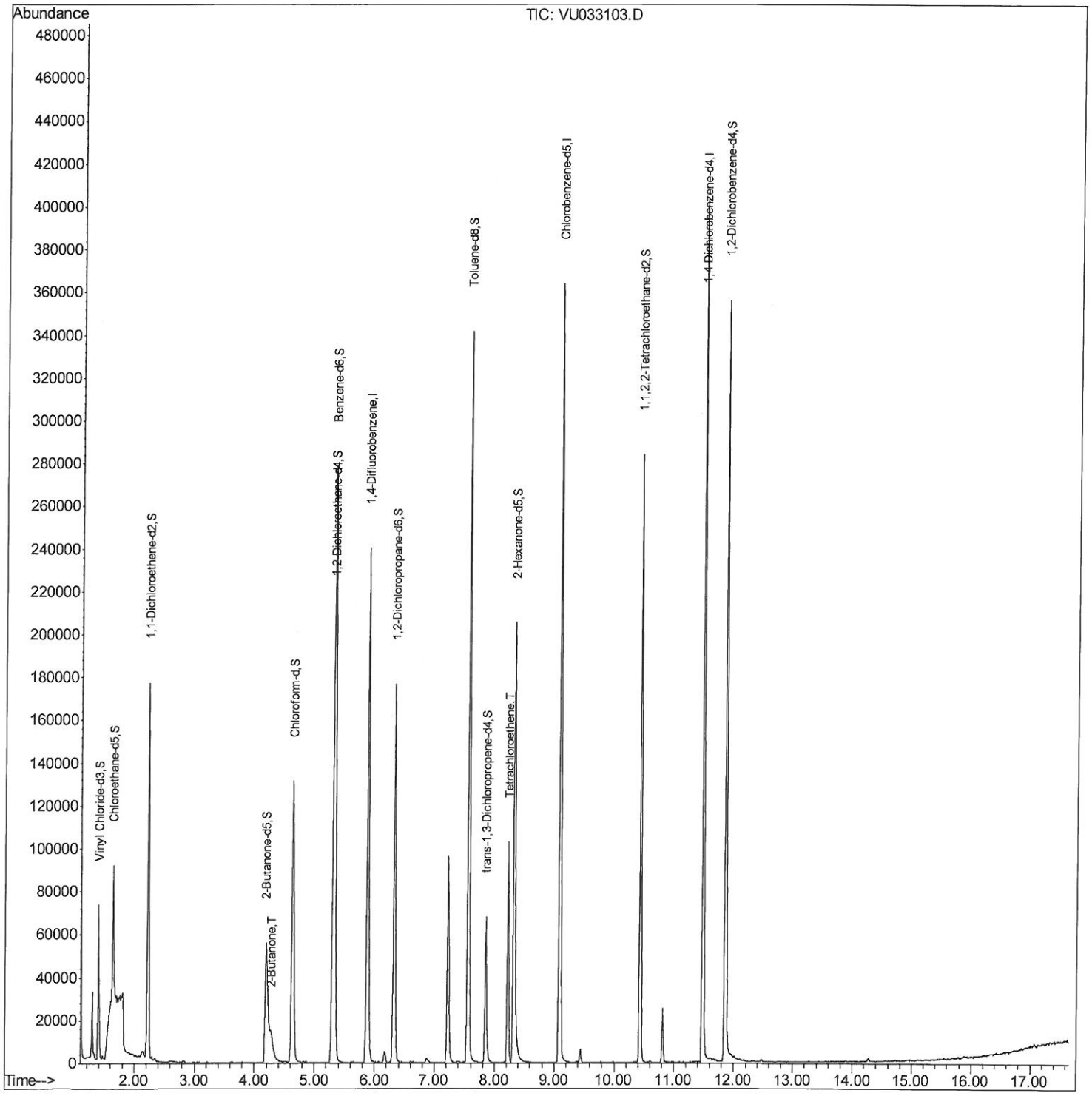
Quantitation Report (QT Reviewed)

Data File : VU033103.D
Acq On : 01 Jul 2019 10:31
Operator : JC/SP
Sample : K3599-13
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 05:42:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
GAM22

Manual Integrations APPROVED
MMDadoda
7/3/2019 8:59:20 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070119\

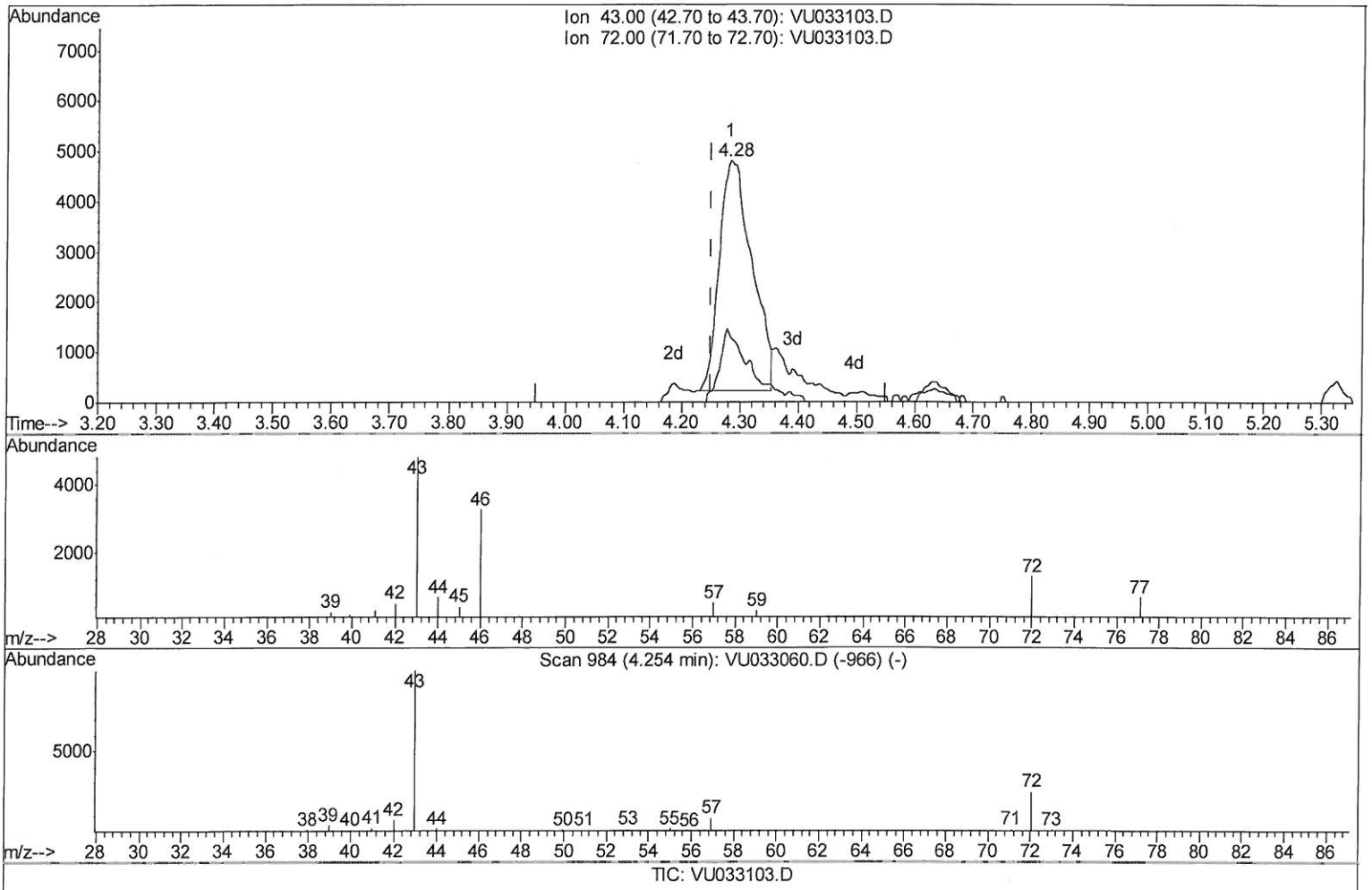
Quantitation Report (Qedit)

Data File : VU033103.D
Acq On : 01 Jul 2019 10:31
Operator : JC/SP
Sample : K3599-13
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 04:19:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
GAM22

Manual Integrations APPROVED
MMDadoda
7/3/2019 8:59:20 AM



TIC: VU033103.D

(22) 2-Butanone (T)

4.283min (+0.032) 10.96ug/L

response 17792

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	19.46
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070119\

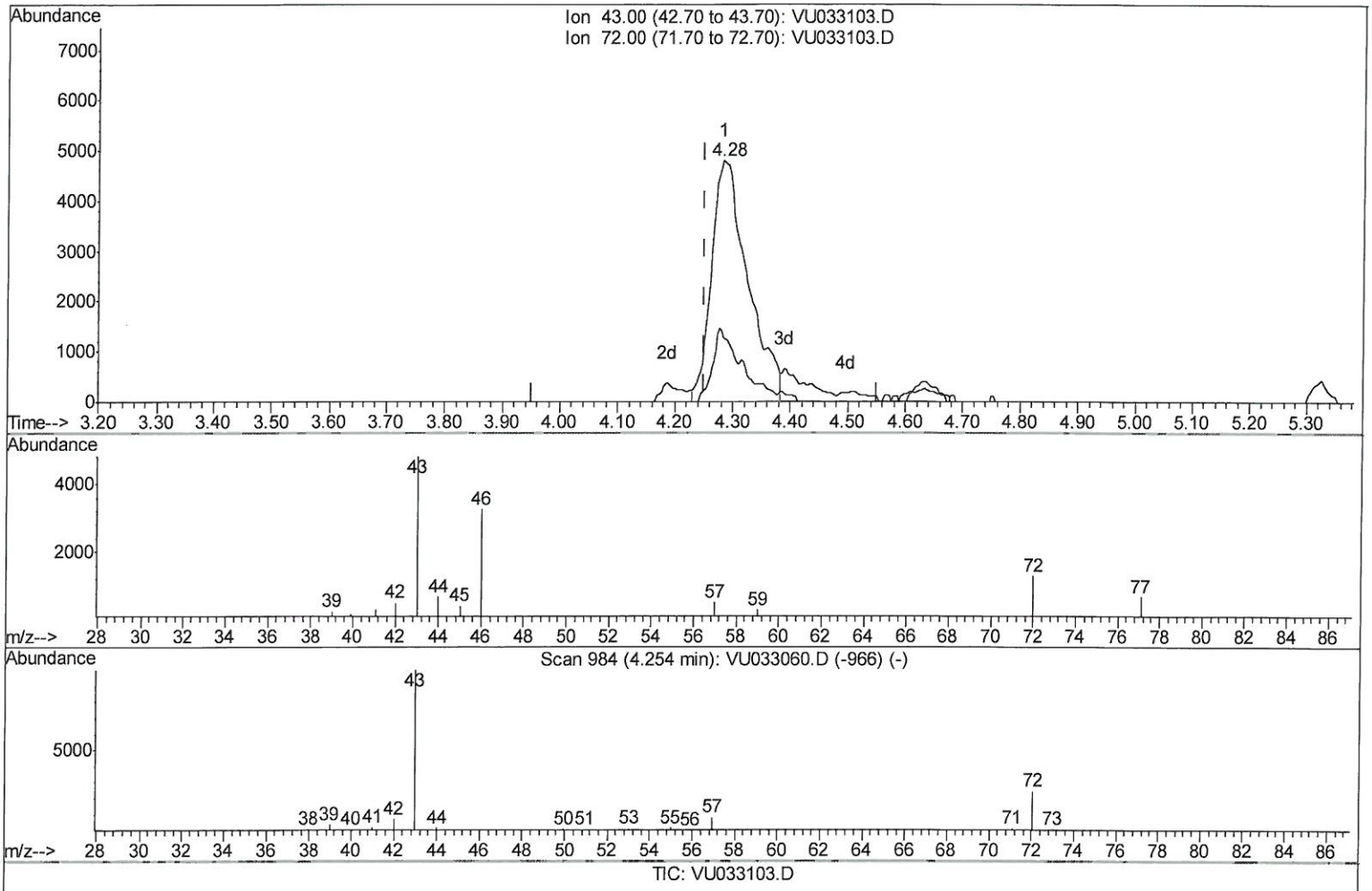
Quantitation Report (Qedit)

Data File : VU033103.D
Acq On : 01 Jul 2019 10:31
Operator : JC/SP
Sample : K3599-13
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 04:19:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
GAM22

Manual Integrations APPROVED
MMDadoda
7/3/2019 8:59:20 AM



(22) 2-Butanone (T)

4.283min (+0.032) 12.92ug/L m

response 20965

MD 7/3/19

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	16.52
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070119\

Quantitation Report (QT Reviewed)

Data File : VU033103.D
Acq On : 01 Jul 2019 10:31
Operator : JC/SP
Sample : K3599-13
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAM22

Manual Integrations APPROVED
MMDadoda
7/3/2019 8:59:20 AM

Quant Time: Jul 02 05:42:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	199332	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	201221	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	99546	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	54901	40.30	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 80.60%			
7) Chloroethane-d5	1.64	69	40564	37.34	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 74.68%			
11) 1,1-Dichloroethene-d2	2.22	63	97998	35.71	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.42%			
21) 2-Butanone-d5	4.19	46	129392	114.12	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 114.12%			
24) Chloroform-d	4.63	84	132076	49.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.74%			
26) 1,2-Dichloroethane-d4	5.30	65	94444	53.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.08%			
32) Benzene-d6	5.32	84	251993	48.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.08%			
36) 1,2-Dichloropropane-d6	6.32	67	84024	50.28	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.56%			
41) Toluene-d8	7.56	98	225801	45.97	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.94%			
43) trans-1,3-Dichloropropene-	7.85	79	41019	47.19	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.38%			
47) 2-Hexanone-d5	8.32	63	79484	101.87	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery = 101.87%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	135247	52.36	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 104.72%			
64) 1,2-Dichlorobenzene-d4	11.86	152	94437	49.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.04%			
Target Compounds						Qvalue
22) 2-Butanone	4.28	43	20965m	12.916	ug/L	
46) Tetrachloroethene	8.22	164	21647	17.057	ug/L	96

JMD 7/3/19

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