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

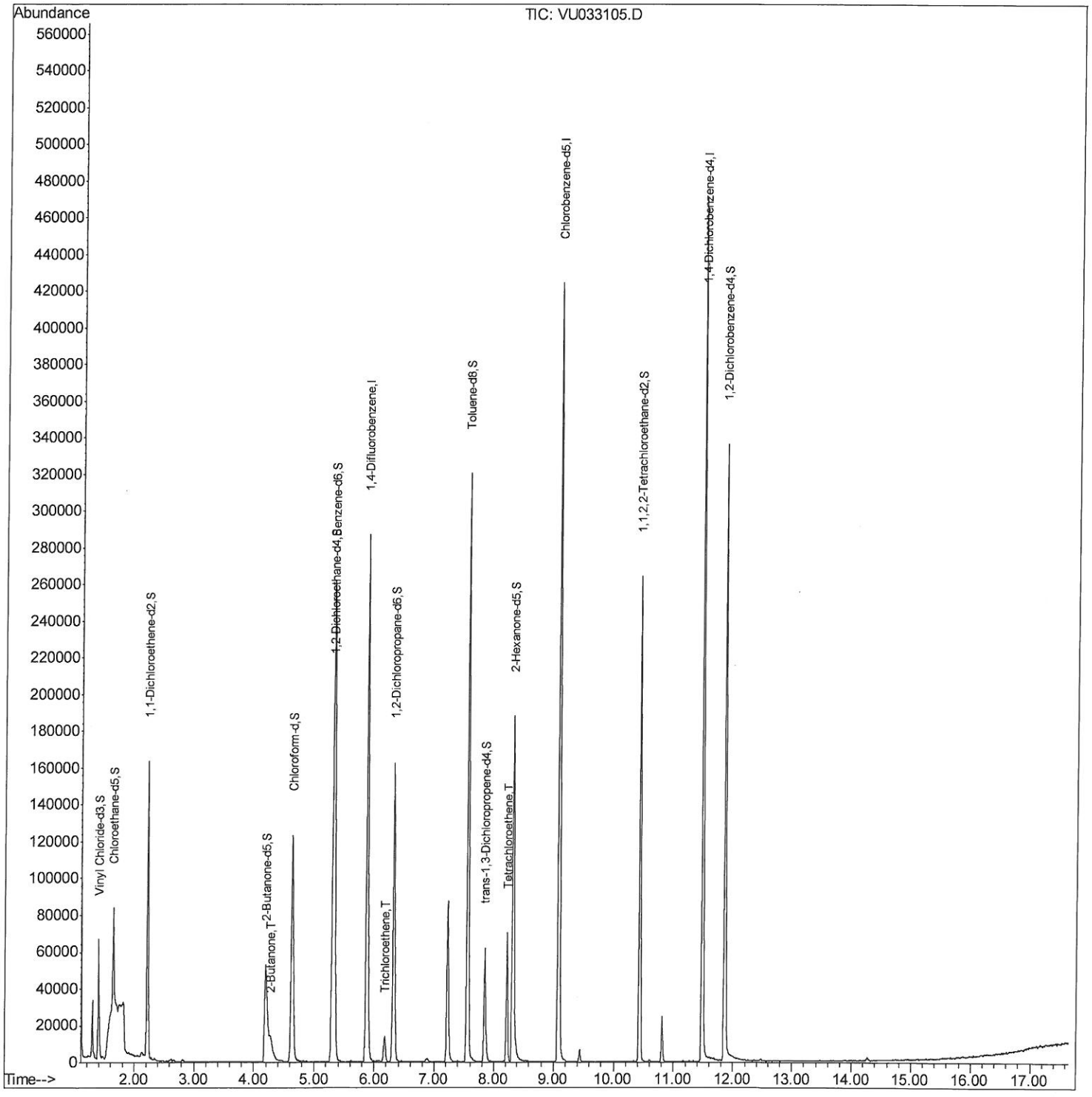
Quantitation Report (QT Reviewed)

Data File : VU033105.D
Acq On : 01 Jul 2019 11:17
Operator : JC/SP
Sample : K3599-15
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 02 05:50:39 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 :
GAM24

Manual Integrations APPROVED
MMDadoda
7/3/2019 8:59:30 AM



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

Quantitation Report (Qedit)

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Quant Title : VOC Analysis
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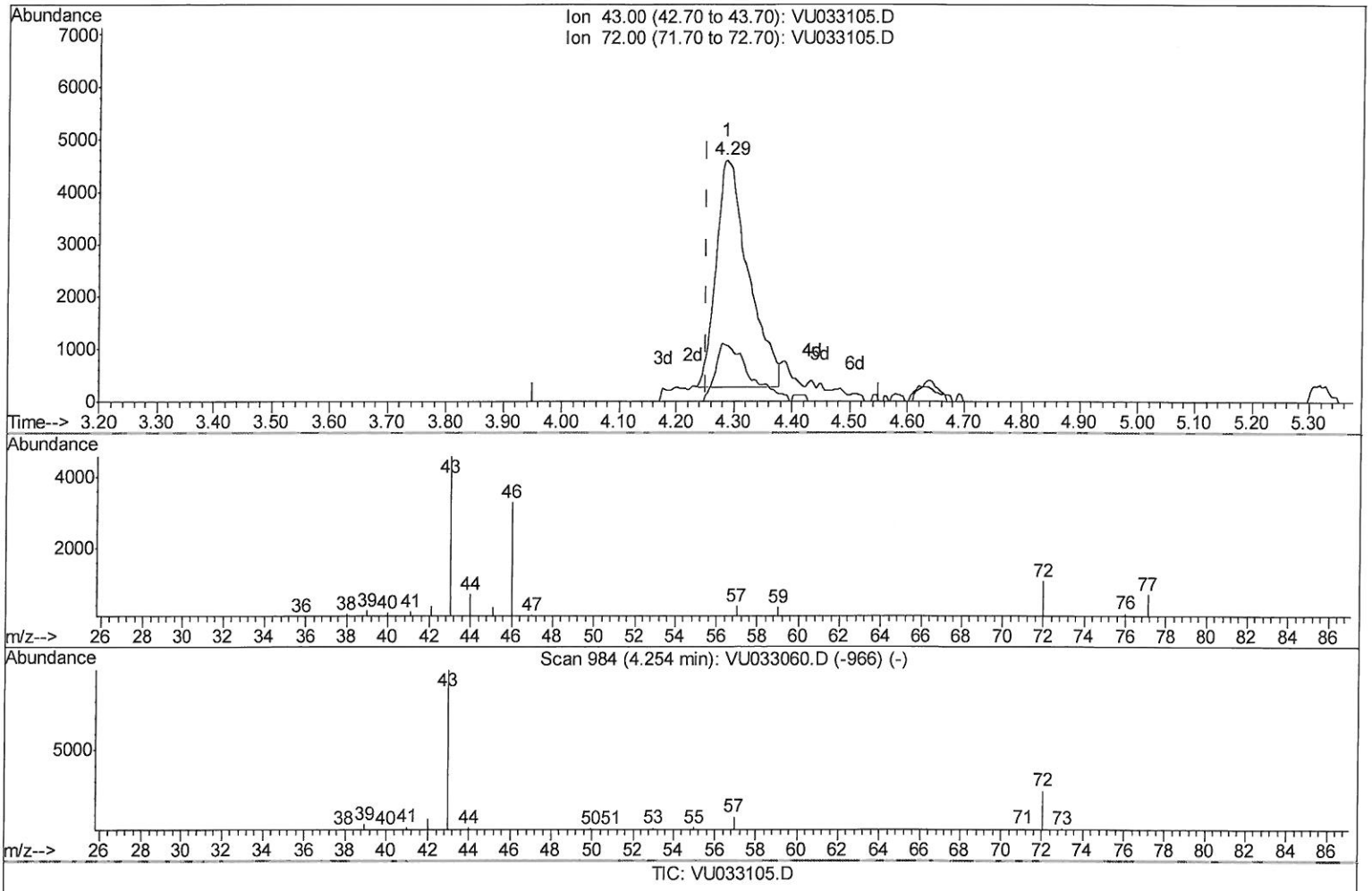

TIC: VU033105.D

(22) 2-Butanone (T)

4.286min (+0.035) 8.72ug/L

response 16731

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	15.70
0.00	0.00	0.00
0.00	0.00	0.00

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

Quantitation Report (Qedit)

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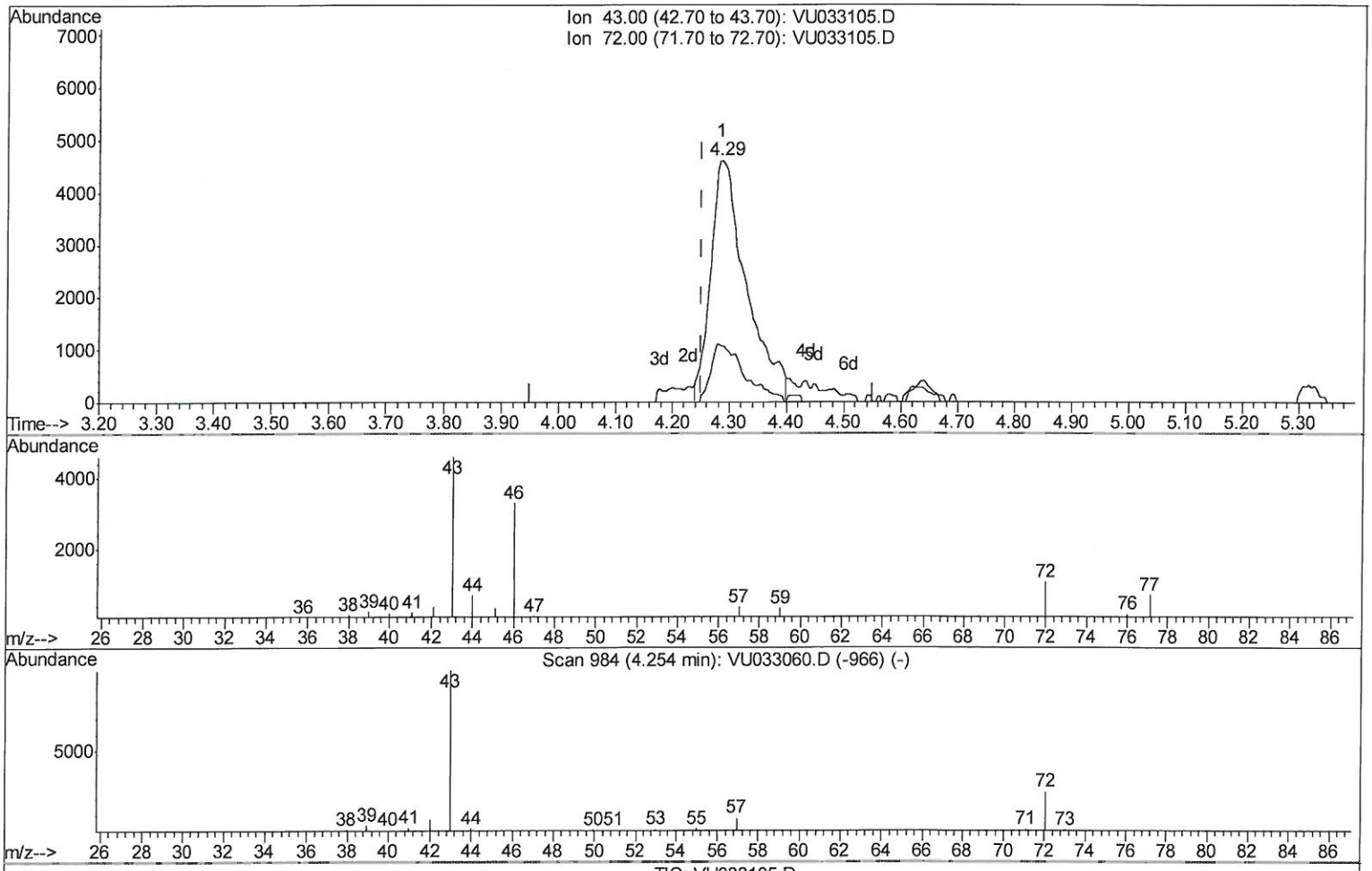
Manual Integrations APPROVED
MMDadoda
7/3/2019 8:59:30 AM



TIC: VU033105.D

(22) 2-Butanone (T)

4.286min (+0.035) 10.38ug/L m

response 19910

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	13.19
0.00	0.00	0.00
0.00	0.00	0.00

JMD 7/3/19

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

Quantitation Report (QT Reviewed)

Data File : VU033105.D
Acq On : 01 Jul 2019 11:17
Operator : JC/SP
Sample : K3599-15
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAM24

Manual Integrations APPROVED
MMDadoda
7/3/2019 8:59:30 AM

Quant Time: Jul 02 05:50:39 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	235544	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	239940	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	118599	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	51646	32.08	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 64.16%			
7) Chloroethane-d5	1.64	69	37407	29.14	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 58.28%#			
11) 1,1-Dichloroethene-d2	2.22	63	90629	27.95	ug/L	-0.05
Spiked Amount 50.000	Range 60 - 125		Recovery = 55.90%#			
21) 2-Butanone-d5	4.19	46	122167	91.18	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery = 91.18%			
24) Chloroform-d	4.63	84	123344	39.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 78.82%			
26) 1,2-Dichloroethane-d4	5.30	65	88600	42.50	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 85.00%			
32) Benzene-d6	5.32	84	235962	37.73	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 75.46%			
36) 1,2-Dichloropropane-d6	6.32	67	78042	39.17	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 78.34%			
41) Toluene-d8	7.56	98	213038	36.37	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 72.74%#			
43) trans-1,3-Dichloropropene-	7.85	79	38067	36.73	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 73.46%			
47) 2-Hexanone-d5	8.32	63	74681	80.27	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery = 80.27%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	124600	40.45	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 80.90%			
64) 1,2-Dichlorobenzene-d4	11.86	152	89085	38.82	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 77.64%#			
Target Compounds						Qvalue
22) 2-Butanone	4.29	43	19910m	10.380	ug/L	
34) Trichloroethene	6.18	95	3723	2.016	ug/L	93
46) Tetrachloroethene	8.22	164	15013	9.921	ug/L	96

? MQ 7/3/19

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