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

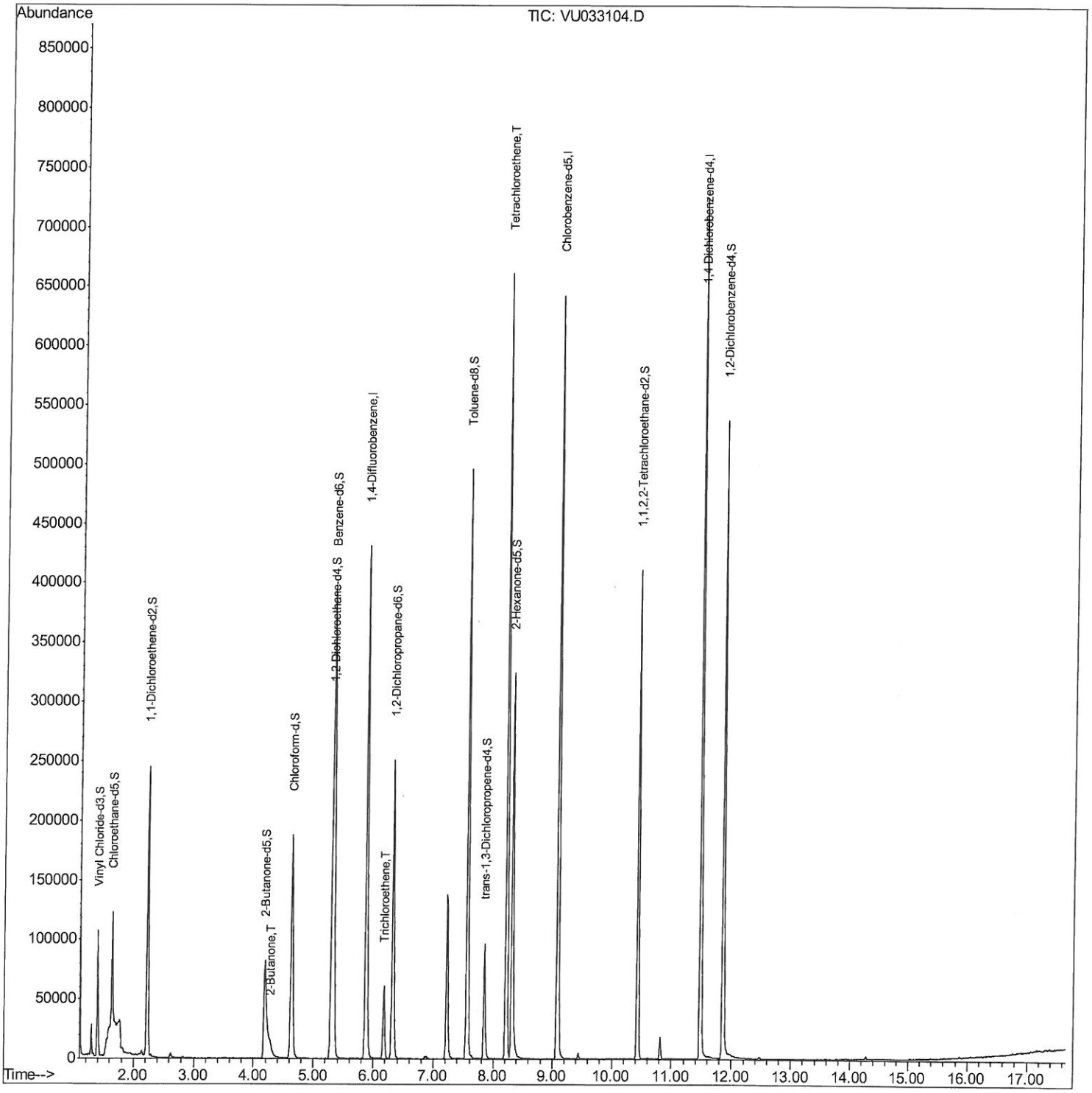
Quantitation Report (QT/LSC Reviewed)

Data File : VU033104.D
Acq On : 01 Jul 2019 10:54
Operator : JC/SP
Sample : K3599-14
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 09 08:20:50 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 :
GAM23

Manual Integrations APPROVED
MMDadoda
7/3/2019 8:59:25 AM



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

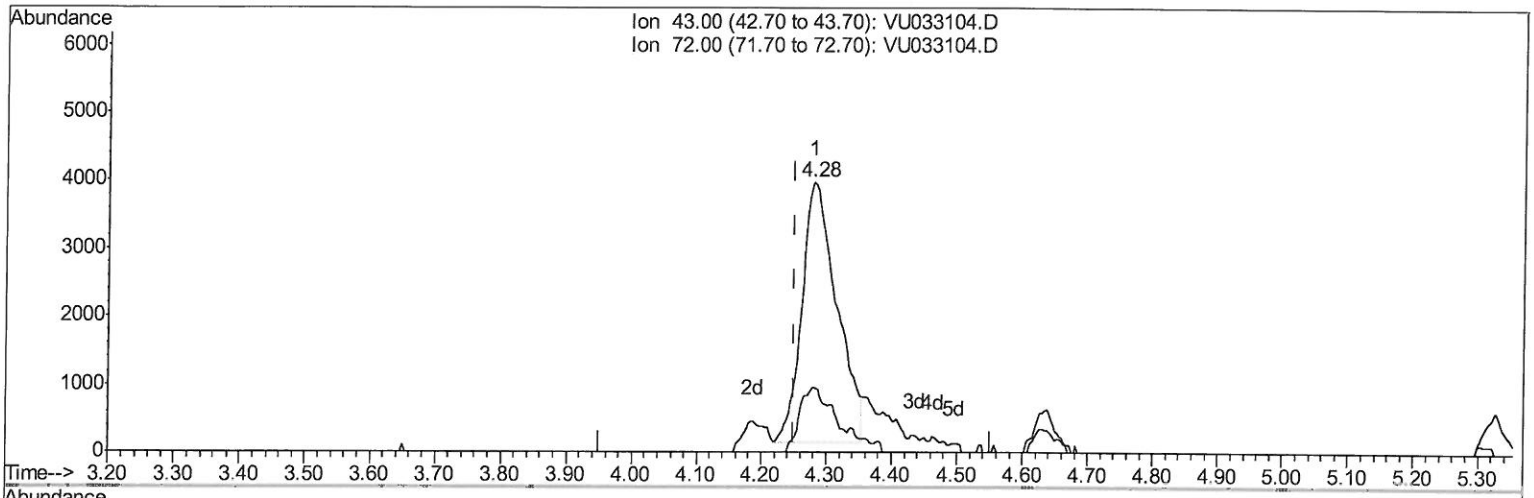
Quantitation Report (Qedit)

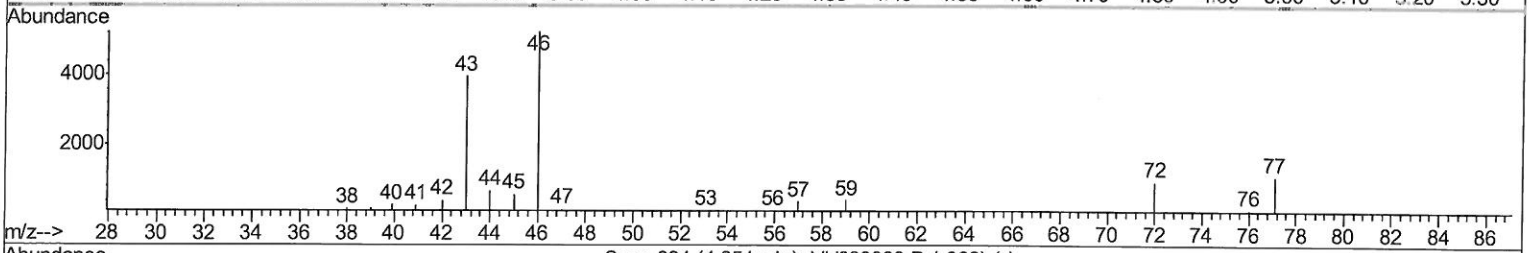
Data File : VU033104.D
Acq On : 01 Jul 2019 10:54
Operator : JC/SP
Sample : K3599-14
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

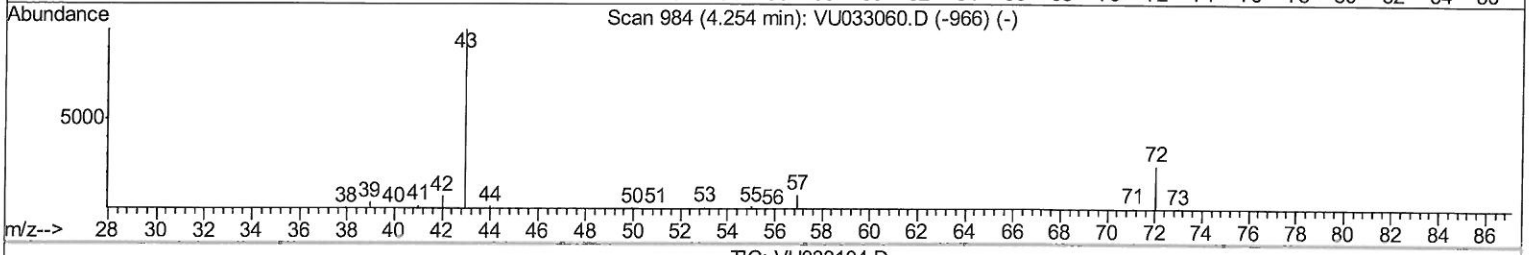
Quant Time: Jul 02 04:19:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
GAM23

Manual Integrations APPROVED
MMDadoda
7/3/2019 8:59:25 AM







TIC: VU033104.D

(22) 2-Butanone (T)

4.280min (+0.029) 4.98ug/L

response 14255

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	6.30#
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 : VU033104.D
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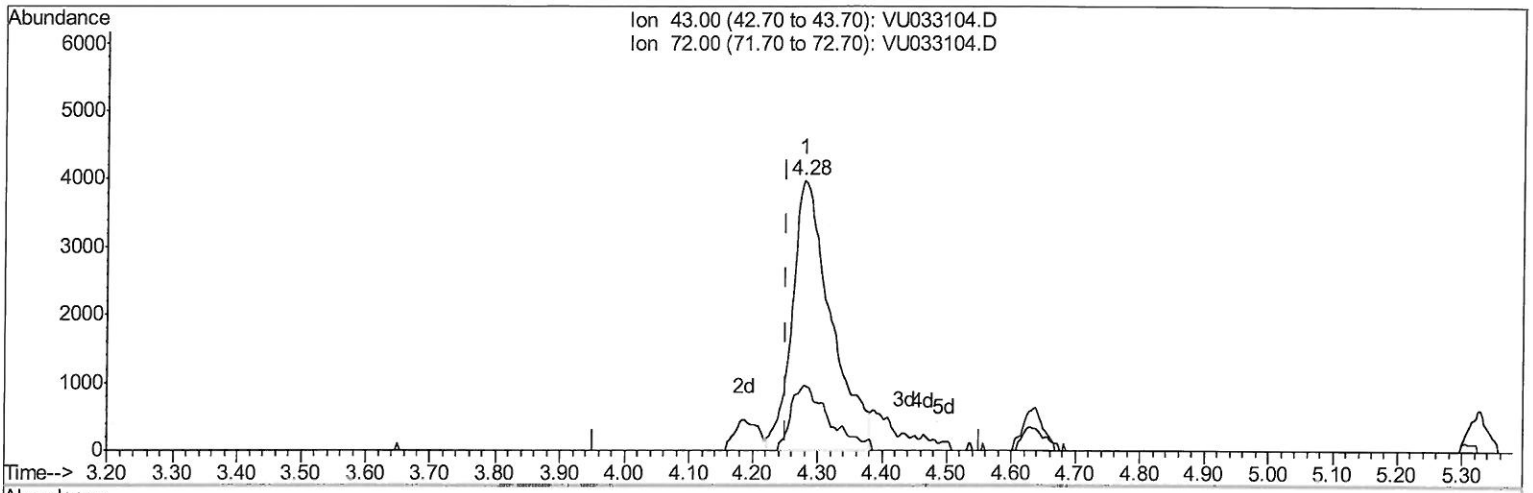
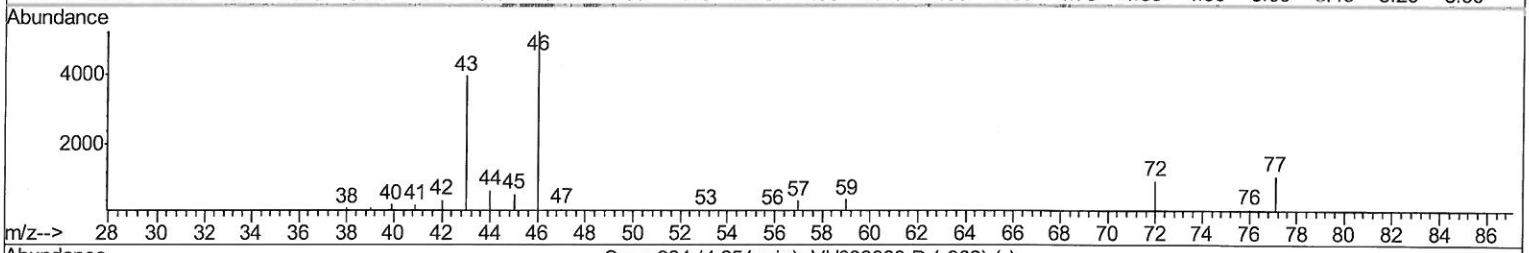
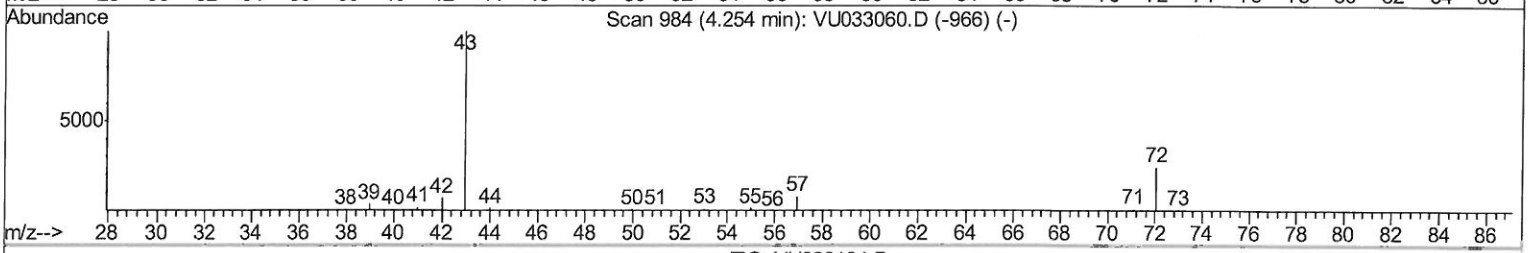
Instrument :
MSVOA_U
ClientSampleId :
GAM23

Manual Integrations APPROVED
MMDadoda
7/3/2019 8:59:25 AM







TIC: VU033104.D

(22) 2-Butanone (T)

4.280min (+0.029) 5.77ug/L m

response 16544

7 MD 7/10/19

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	5.43#
0.00	0.00	0.00
0.00	0.00	0.00

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

Quantitation Report (QT/LSC Reviewed)

Data File : VU033104.D
Acq On : 01 Jul 2019 10:54
Operator : JC/SP
Sample : K3599-14
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAM23

Manual Integrations APPROVED
MMDadoda
7/3/2019 8:59:25 AM

Quant Time: Jul 09 08:20:50 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	351836	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	352362	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	182914	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	78613	32.69	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 65.38%			
7) Chloroethane-d5	1.64	69	58310	30.41	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 60.82%#			
11) 1,1-Dichloroethene-d2	2.23	63	137521	28.39	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 56.78%#			
21) 2-Butanone-d5	4.19	46	186317	93.10	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 93.10%			
24) Chloroform-d	4.63	84	187009	40.01	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 80.02%			
26) 1,2-Dichloroethane-d4	5.30	65	131672	42.29	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.58%			
32) Benzene-d6	5.32	84	358813	39.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 78.12%			
36) 1,2-Dichloropropane-d6	6.32	67	118497	40.50	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 81.00%			
41) Toluene-d8	7.56	98	324146	37.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 75.36%#			
43) trans-1,3-Dichloropropene-	7.85	79	58309	38.31	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.62%			
47) 2-Hexanone-d5	8.32	63	122516	89.67	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery = 89.67%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	193027	42.67	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 85.34%			
64) 1,2-Dichlorobenzene-d4	11.86	152	138769	39.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 78.40%#			
Target Compounds						Qvalue
22) 2-Butanone	4.28	43	16544m	5.774	ug/L	
34) Trichloroethene	6.17	95	19730	7.275	ug/L	97
46) Tetrachloroethene	8.22	164	141345	63.601	ug/L	98

7/10/19

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