Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

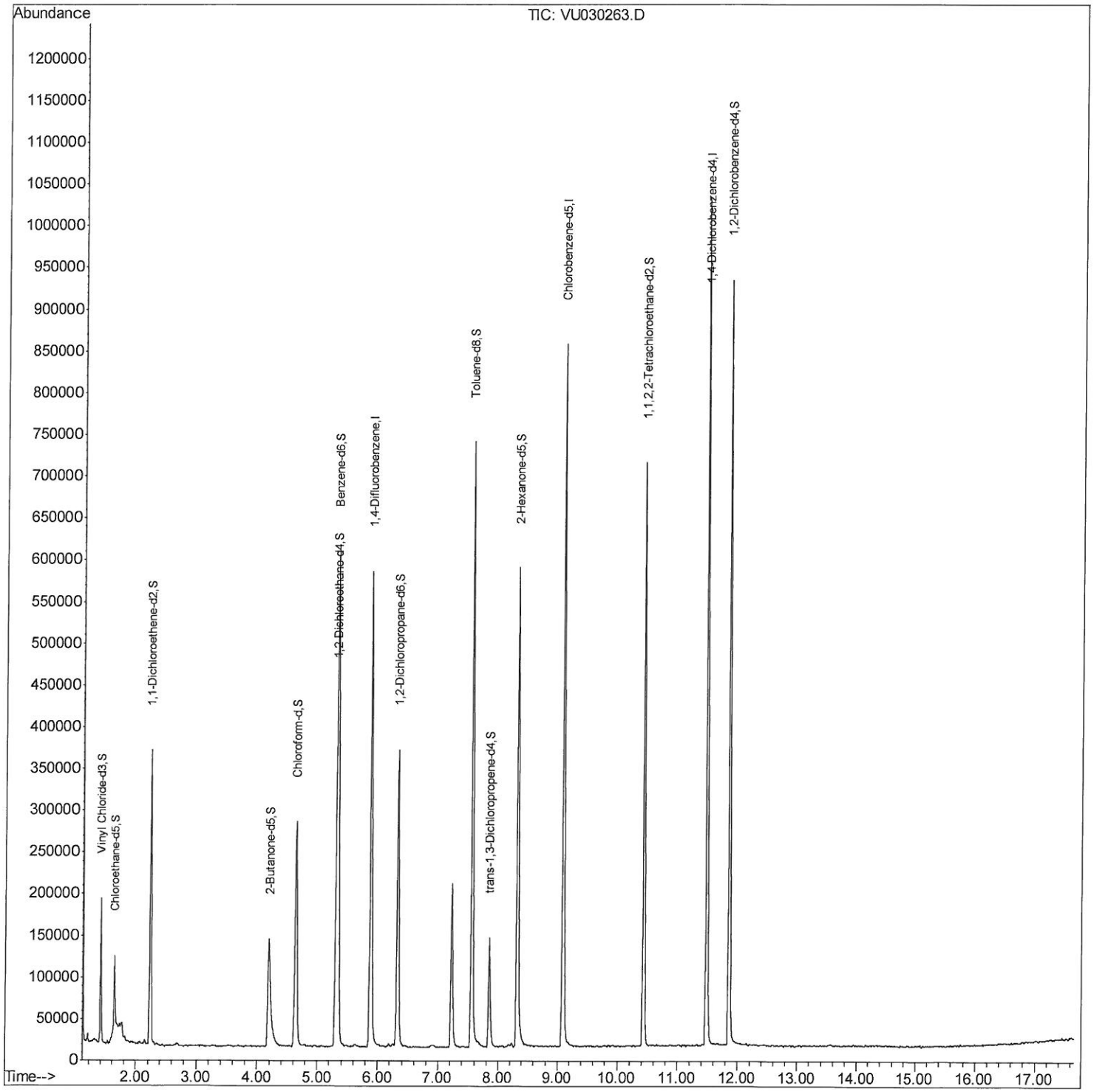
Quantitation Report (QT/LSC Reviewed)

Data File : VU030263.D
Acq On : 21 Mar 2019 14:15
Operator : JC/SP
Sample : K1988-17
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 22 05:01:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 04:03:23 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0C9

Manual Integrations APPROVED
MMDadoda
3/22/2019 1:05:41 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

Quantitation Report (Qedit)

Data File : VU030263.D
Acq On : 21 Mar 2019 14:15
Operator : JC/SP
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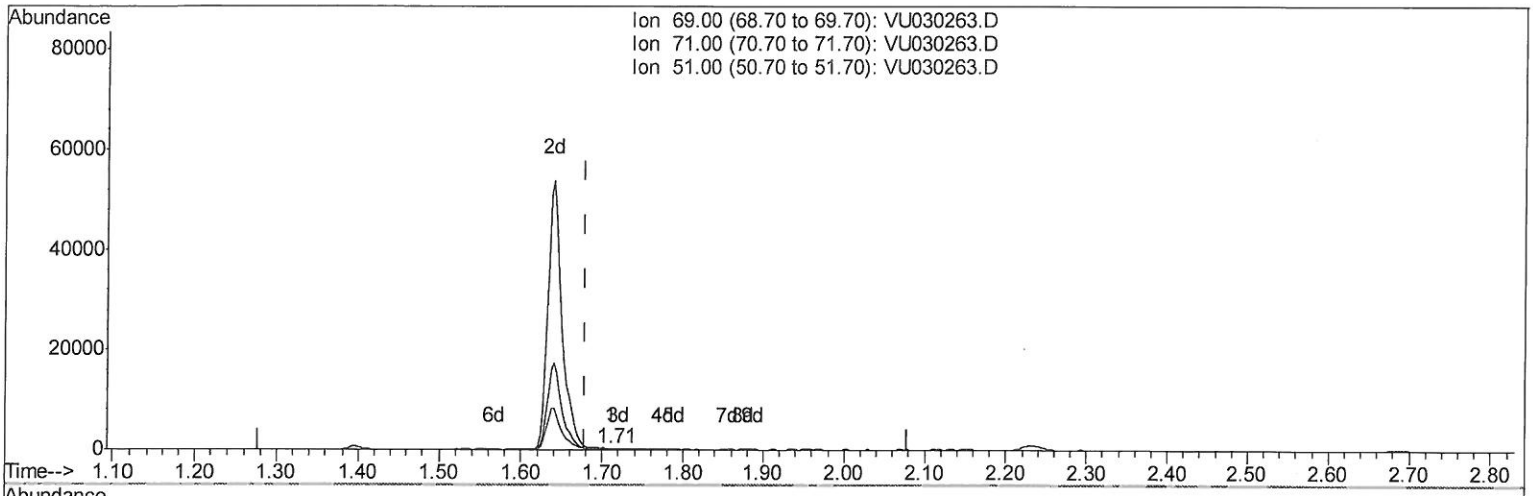
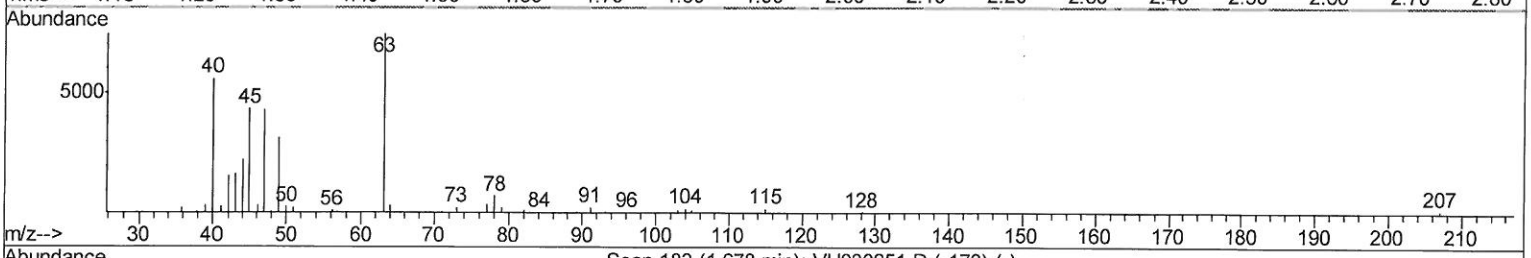
ALS Vial : 14 Sample Multiplier: 1

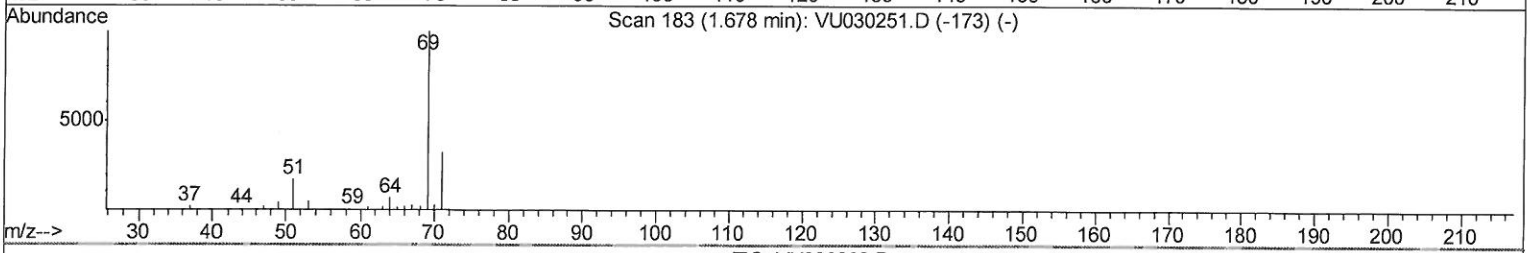
Quant Time: Mar 22 04:07:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 04:03:23 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0C9

Manual Integrations APPROVED
MMDadoda
3/22/2019 1:05:41 PM







TIC: VU030263.D

(7) Chloroethane-d5 (S)

1.711min (+0.032) 0.02ug/L

response 51

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	425.49#
51.00	24.00	1115.69#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

Quantitation Report (Qedit)

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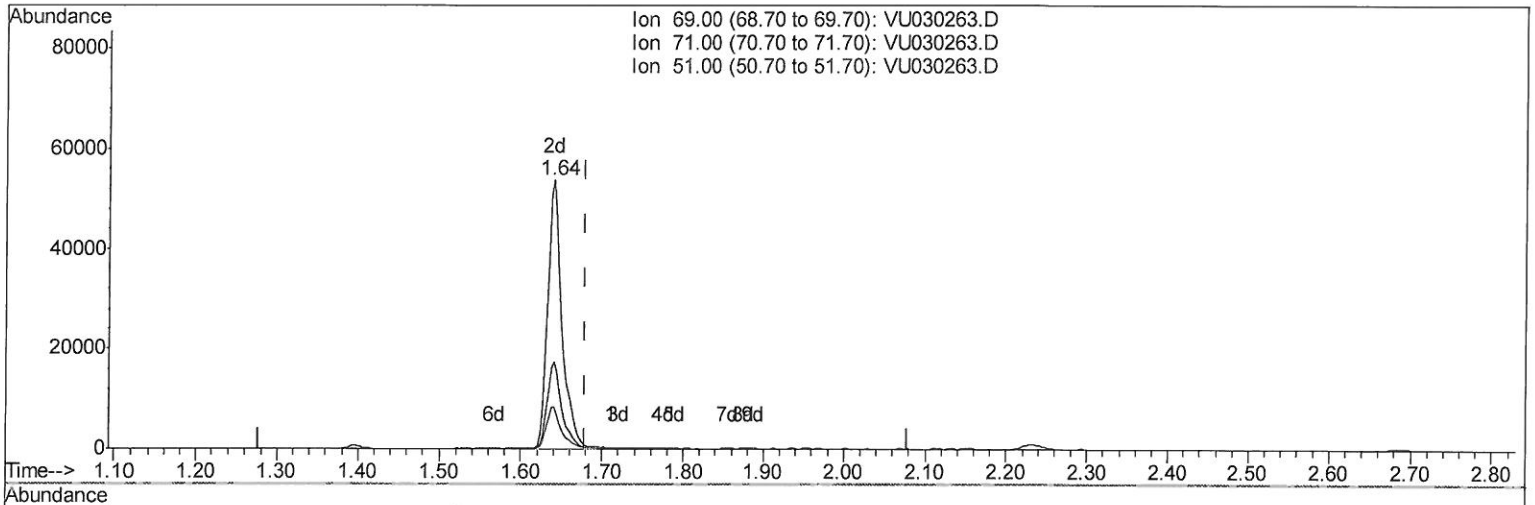
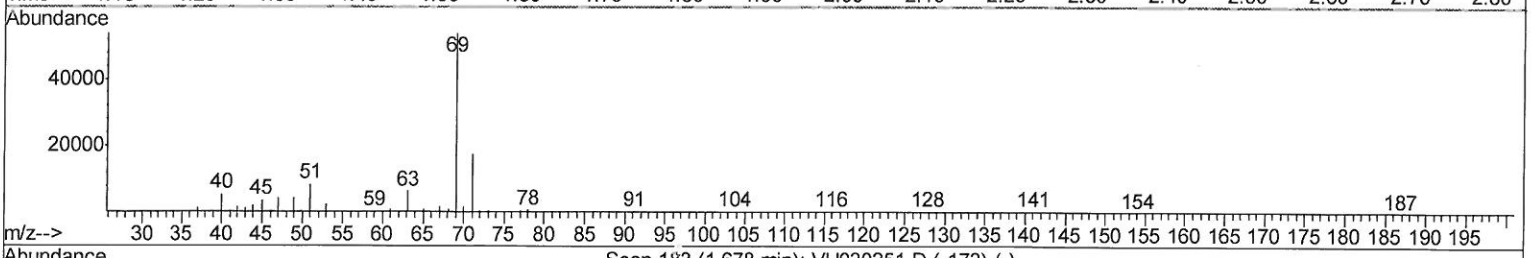
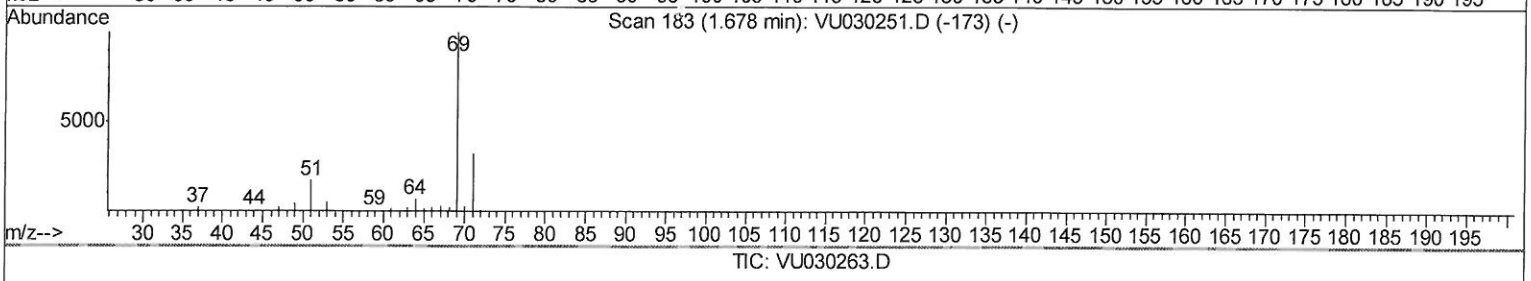
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 04:03:23 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0C9

Manual Integrations APPROVED
MMDadoda
3/22/2019 1:05:41 PM







TIC: VU030263.D

(7) Chloroethane-d5 (S)

1.640min (-0.038) 21.91ug/L m

response 65697

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	0.33#
51.00	24.00	0.87#
0.00	0.00	0.00

MD 3/22/19

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Quantitation Report (QT/LSC Reviewed)

Data File : VU030263.D
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Operator : JC/SP
Sample : K1988-17
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF0C9

Manual Integrations APPROVED
MMDadoda
3/22/2019 1:05:41 PM

Quant Time: Mar 22 05:01:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 04:03:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	554593	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	559813	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	289076	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	132401	35.31	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 70.62%			
7) Chloroethane-d5	1.64	69	65697m	21.91	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 43.82%#			
11) 1,1-Dichloroethene-d2	2.23	63	192145	28.08	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 56.16%#			
21) 2-Butanone-d5	4.19	46	268562	96.53	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 96.53%			
24) Chloroform-d	4.64	84	291142	42.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.60%			
26) 1,2-Dichloroethane-d4	5.30	65	177665	45.26	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.52%			
32) Benzene-d6	5.33	84	612984	41.55	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 83.10%			
36) 1,2-Dichloropropane-d6	6.32	67	201791	44.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 88.42%			
41) Toluene-d8	7.56	98	546185	39.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 78.76%#			
43) trans-1,3-Dichloropropene-	7.85	79	94023	42.30	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 84.60%			
47) 2-Hexanone-d5	8.32	63	244510	103.30	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery = 103.30%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	357250	51.02	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.04%			
64) 1,2-Dichlorobenzene-d4	11.86	152	270936	46.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.36%			

Target Compounds Qvalue

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

7 MD 3/27/19