Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\

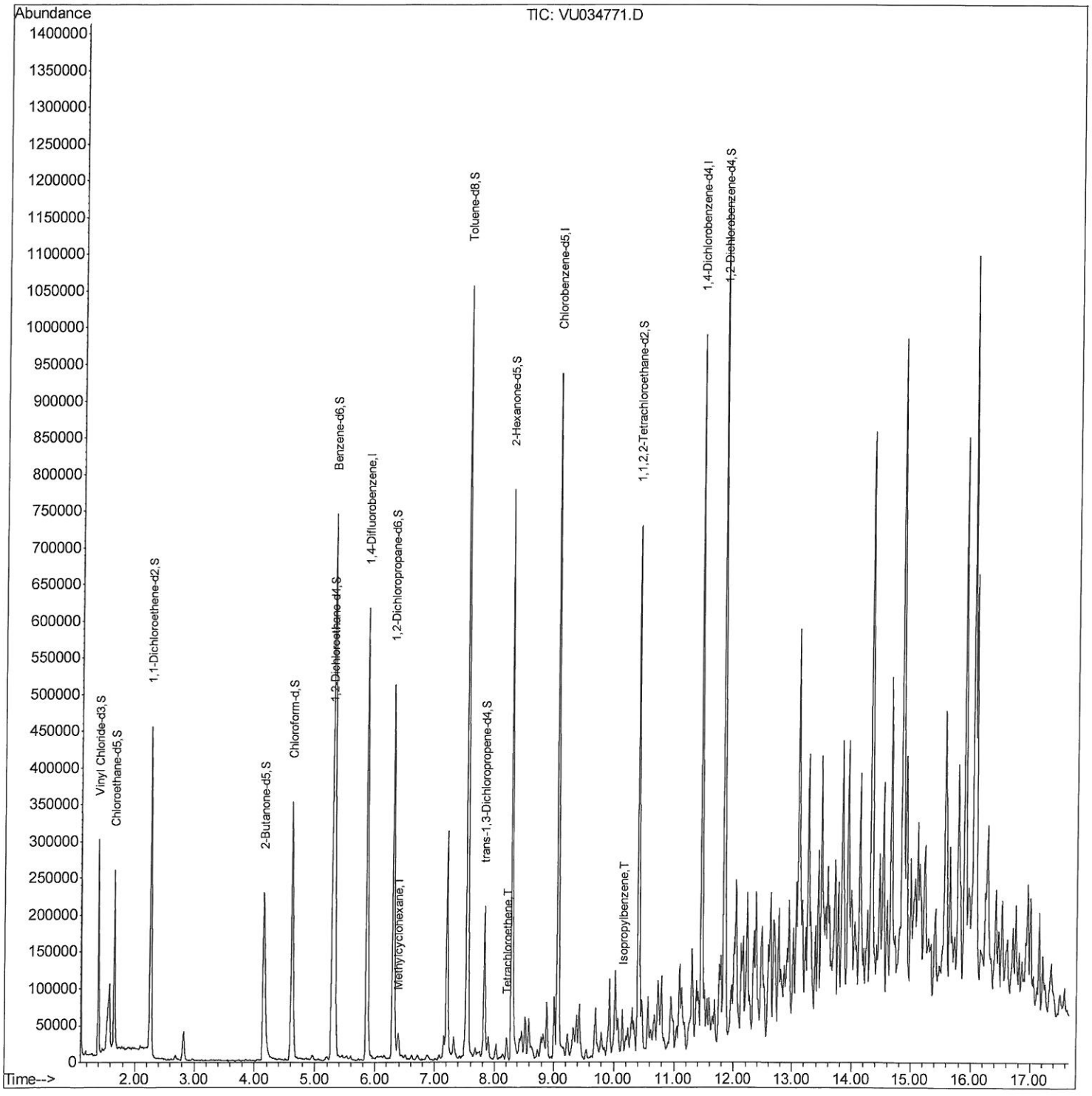
Quantitation Report (LSC Reviewed)

Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 04:06:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 25 02:59:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BEDL3

Manual Integrations APPROVED
MMDadoda
9/25/2019 10:06:36 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\

Quantitation Report (Qedit)

Data File : VU034771.D
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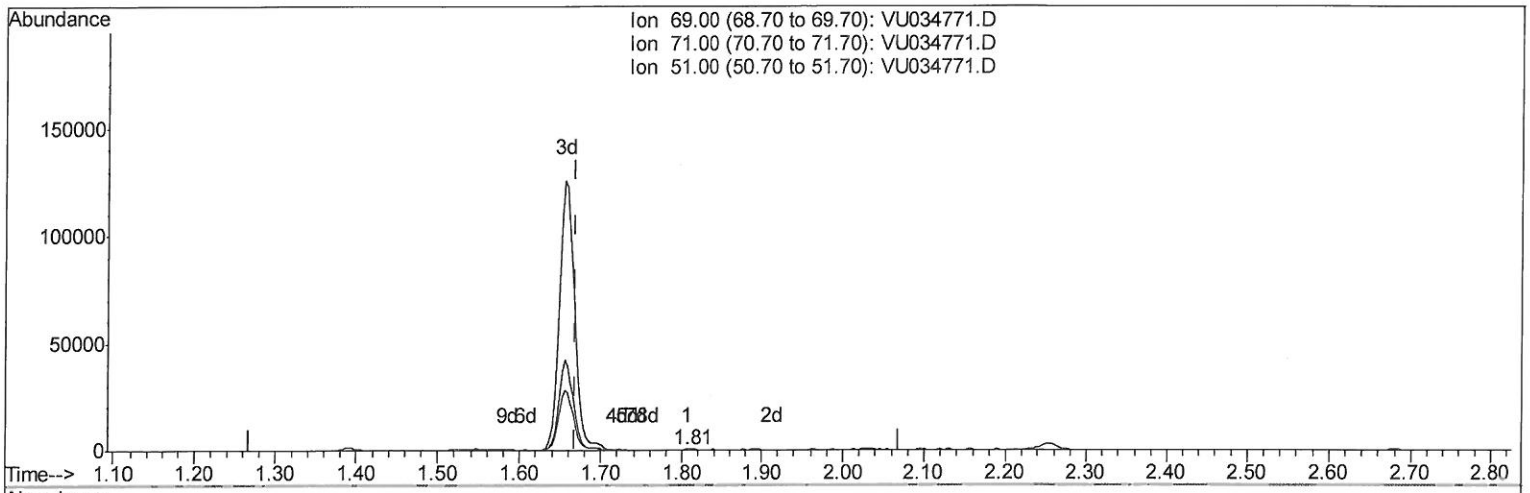
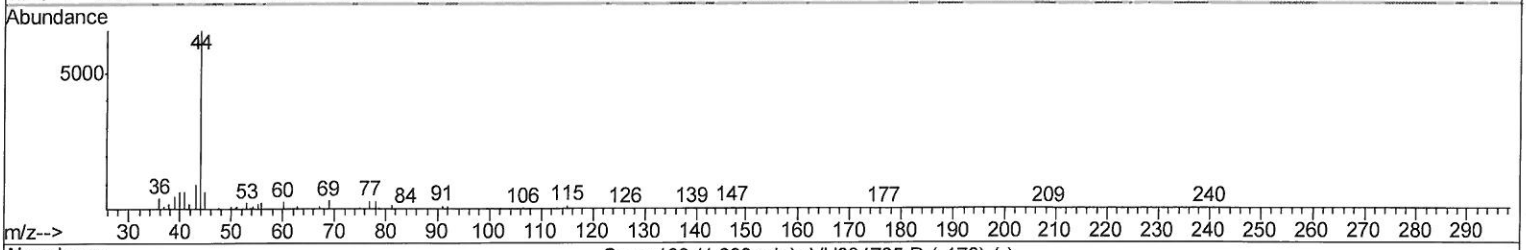
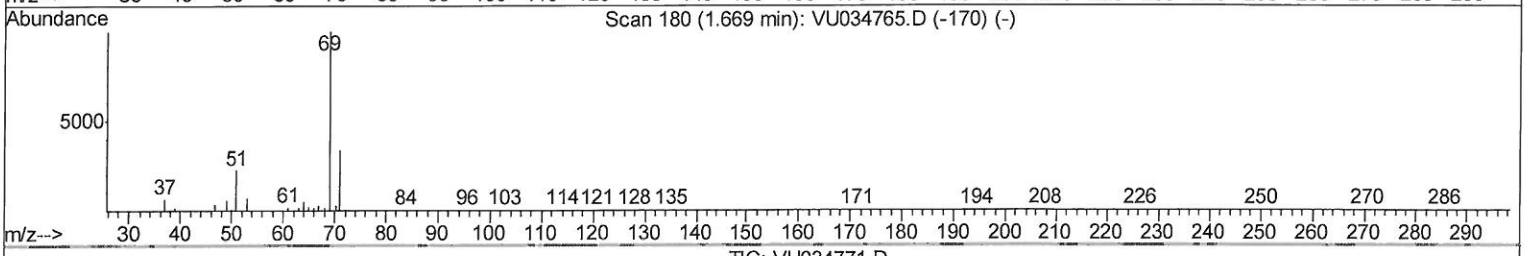
MMDadoda
9/25/2019 10:06:36 AM







TIC: VU034771.D

(7) Chloroethane-d5 (S)

1.807min (+0.138) 0.09ug/L

response 351

Ion	Exp%	Act%
69.00	100	100
71.00	31.80	36.47
51.00	32.70	23.65
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\

Quantitation Report (Qedit)

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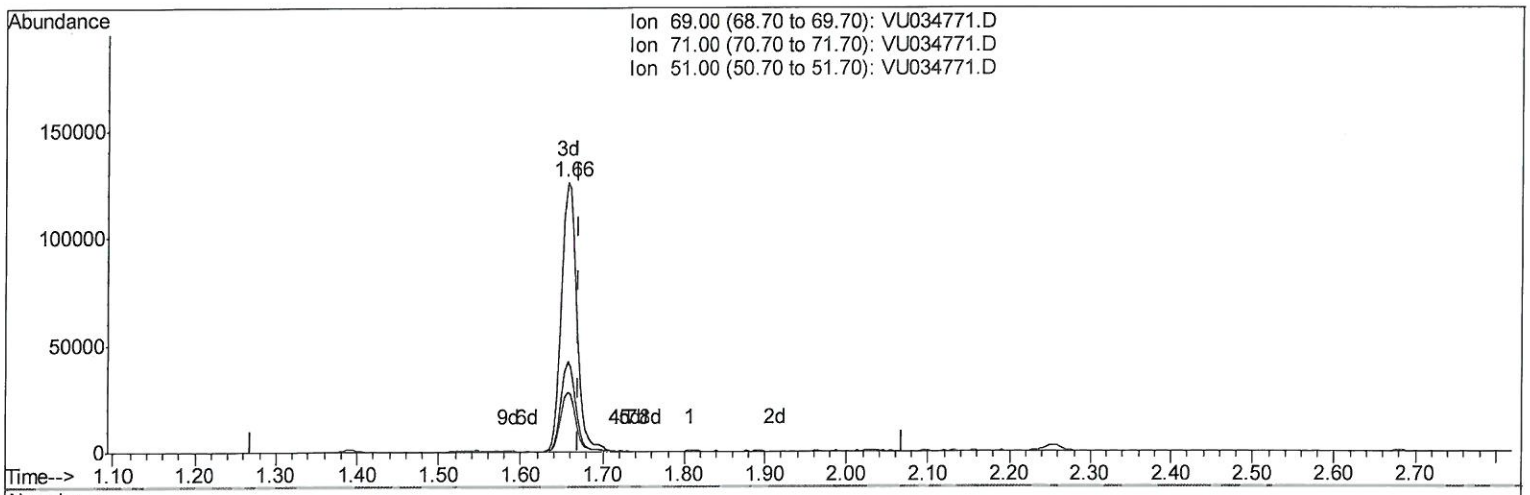
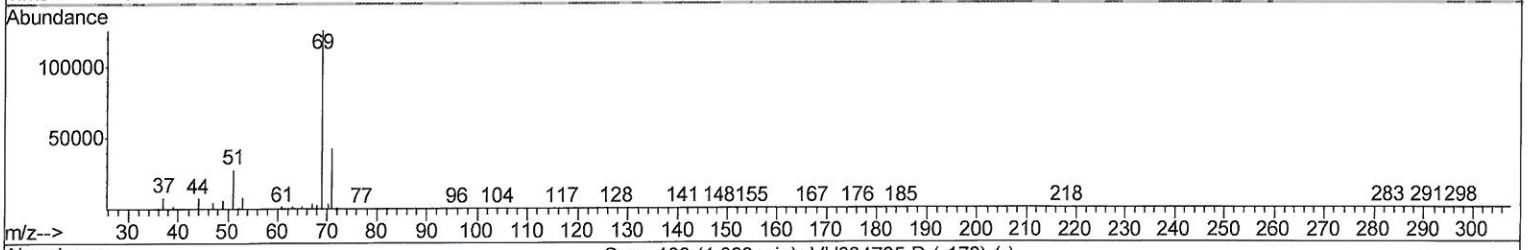
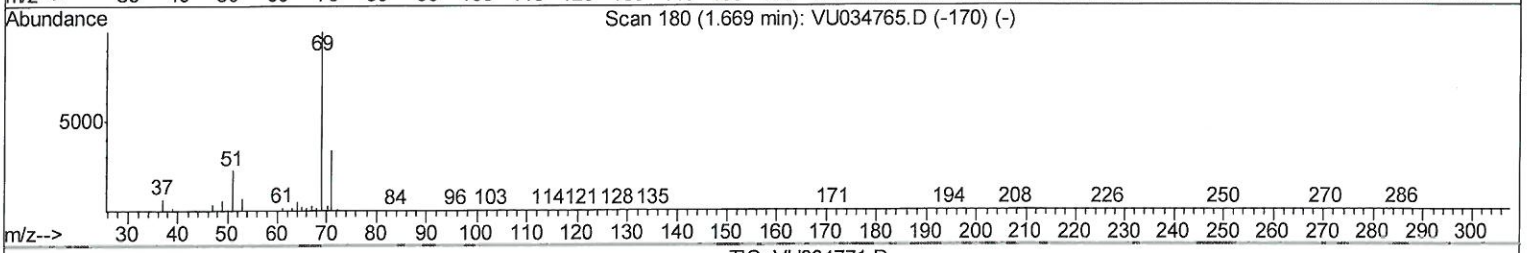
Manual Integrations APPROVED
MMDadoda
9/25/2019 10:06:36 AM







(7) Chloroethane-d5 (S)

1.656min (-0.013) 41.89ug/L m

response 163956

Ion	Exp%	Act%
69.00	100	100
71.00	31.80	0.08#
51.00	32.70	0.05#
0.00	0.00	0.00

>MQL
9/30/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\

Quantitation Report (LSC Reviewed)

Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

Manual Integrations APPROVED
MMDadoda
9/25/2019 10:06:36 AM

Quant Time: Sep 25 04:06:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 25 02:59:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	494628	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	472553	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	224284	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	186817	36.89	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 73.78%			
7) Chloroethane-d5	1.66	69	163956m	41.89	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.78%			
11) 1,1-Dichloroethene-d2	2.25	63	254318	29.66	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 59.32%#			
21) 2-Butanone-d5	4.15	46	380686	98.09	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 98.09%			
24) Chloroform-d	4.62	84	327108	44.44	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.88%			
26) 1,2-Dichloroethane-d4	5.28	65	227579	42.05	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.10%			
32) Benzene-d6	5.31	84	701460	47.89	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.78%			
36) 1,2-Dichloropropane-d6	6.31	67	243951	47.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 95.30%			
41) Toluene-d8	7.54	98	671899	48.22	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.44%			
43) trans-1,3-Dichloropropene-	7.83	79	110700	45.15	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.30%			
47) 2-Hexanone-d5	8.29	63	264203	102.75	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 102.75%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	346966	48.84	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.68%			
64) 1,2-Dichlorobenzene-d4	11.84	152	242114	51.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.96%			
Target Compounds						Qvalue
35) Methylcyclohexane	6.39	83	13225	1.925	ug/L	95
46) Tetrachloroethene	8.21	164	3593	1.262	ug/L	91
56) Isopropylbenzene	10.14	105	31757	1.686	ug/L	94

JMD 9/30/19

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