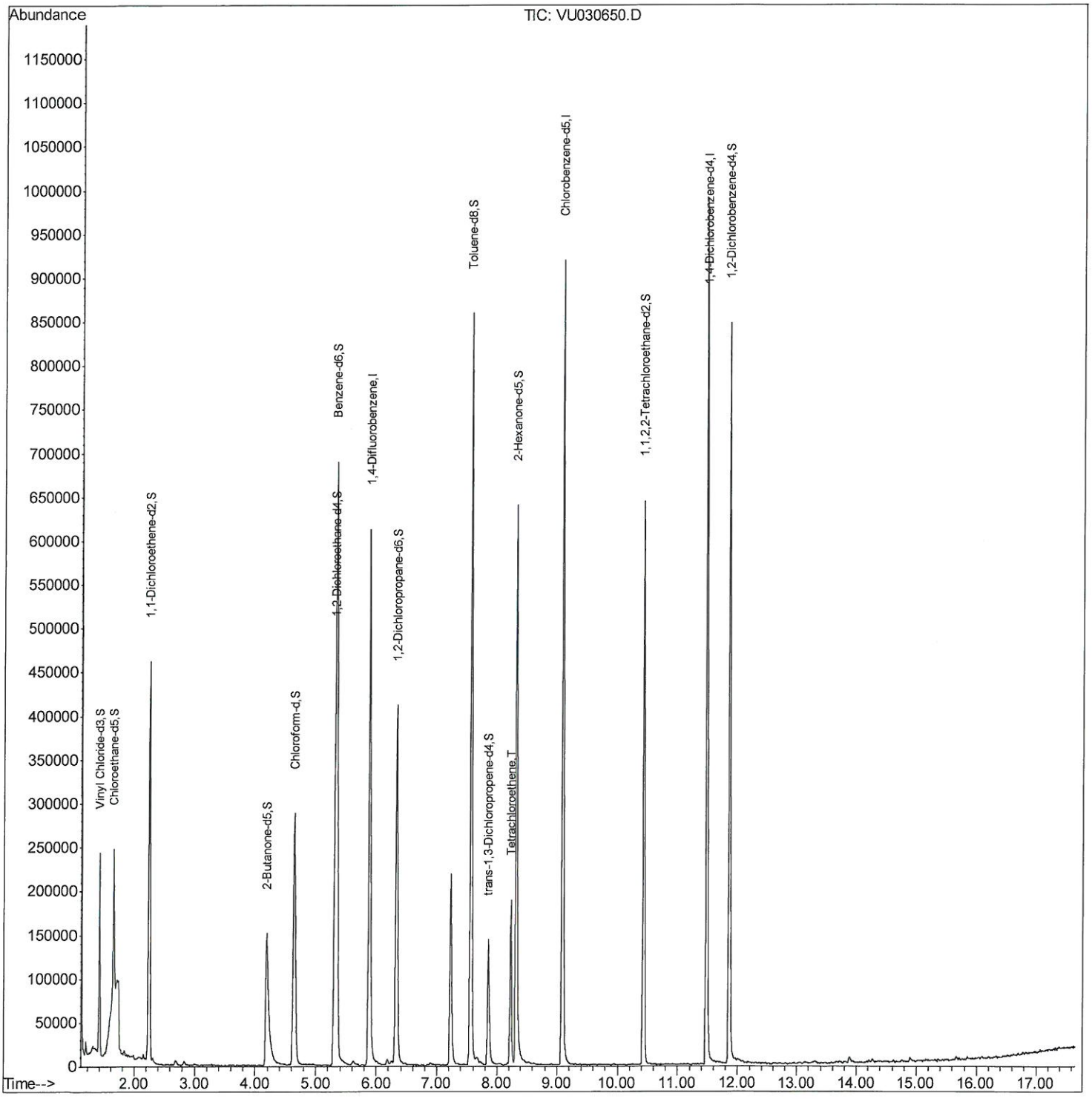
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030650.D
Acq On : 04 Apr 2019 00:02
Operator : JC/SP
Sample : K2167-14ME
Misc : 5.16g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 04 08:04:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:52:42 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF115ME

Manual Integrations APPROVED
MMDadoda
4/4/2019 11:53:04 AM



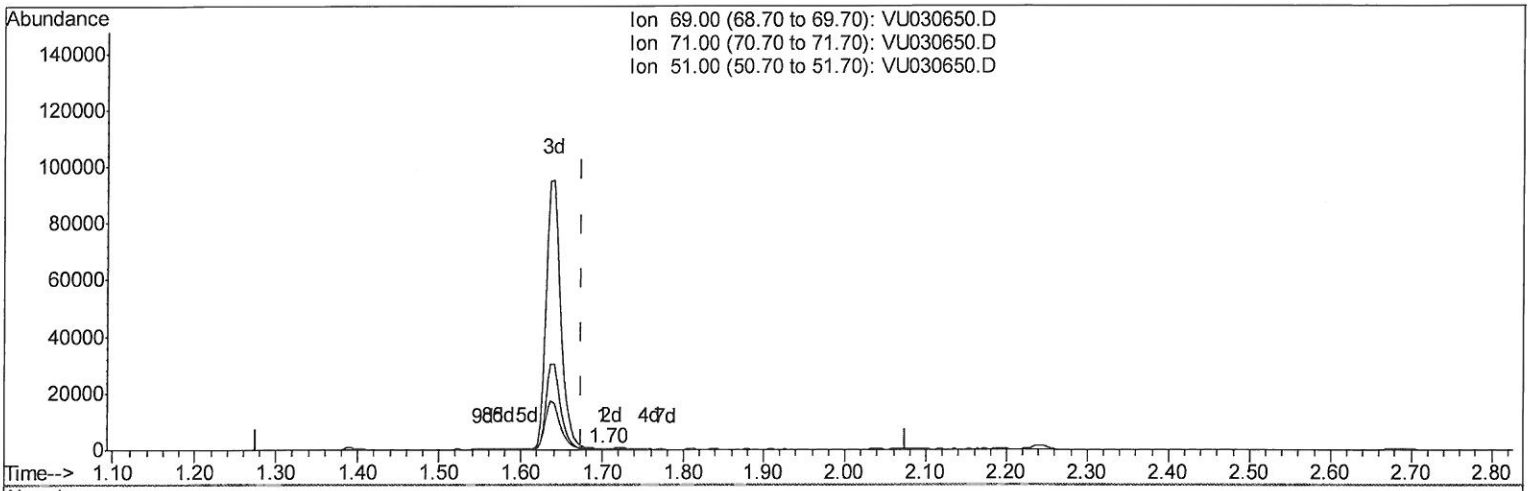
Quantitation Report (Qedit)

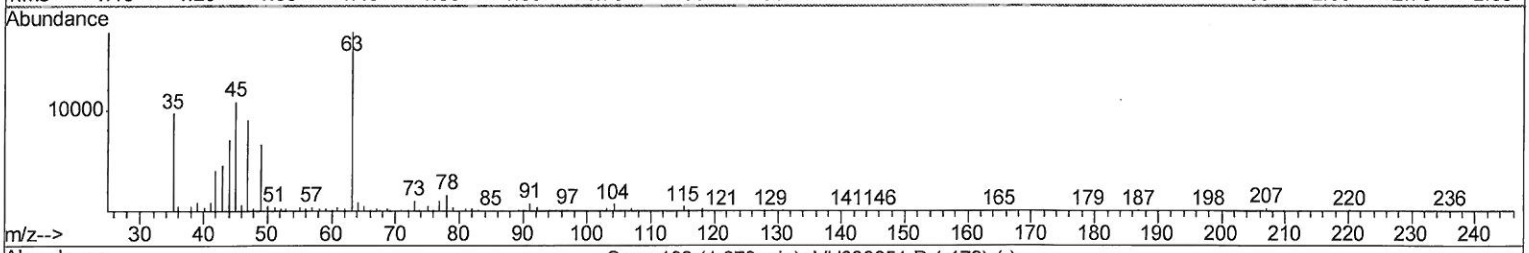
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040419\
Data File : VU030650.D
Acq On : 04 Apr 2019 00:02
Operator : JC/SP
Sample : K2167-14ME
Misc : 5.16g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

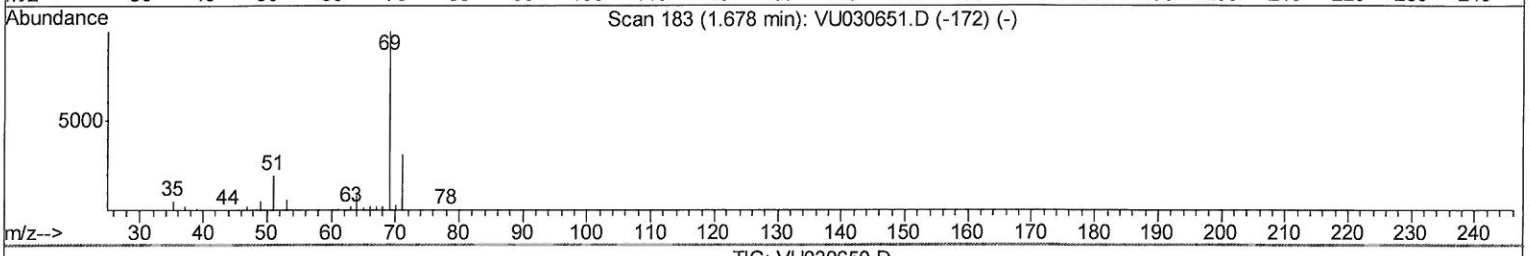
Quant Time: Apr 04 06:59:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:52:42 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF115ME

Manual Integrations APPROVED
MMDadoda
4/4/2019 11:53:04 AM







TIC: VU030650.D

(7) Chloroethane-d5 (S)

1.701min (+0.026) 0.02ug/L

response 73

Ion	Exp%	Act%
69.00	100	100
71.00	31.70	0.00#
51.00	28.60	0.00#
0.00	0.00	0.00

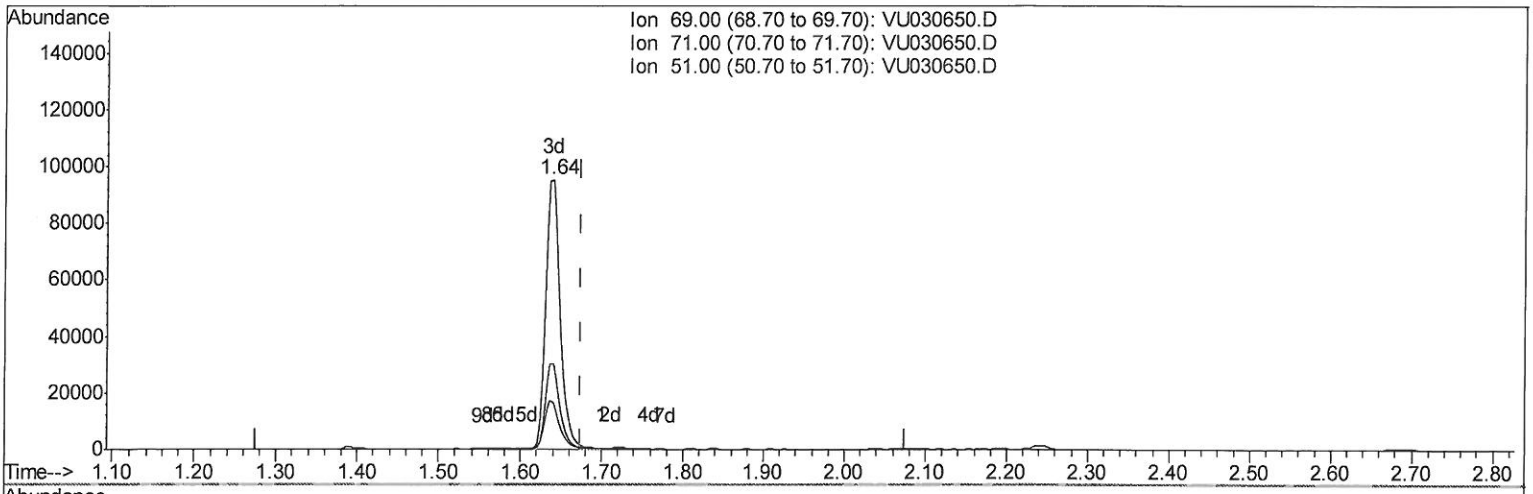
Quantitation Report (Qedit)

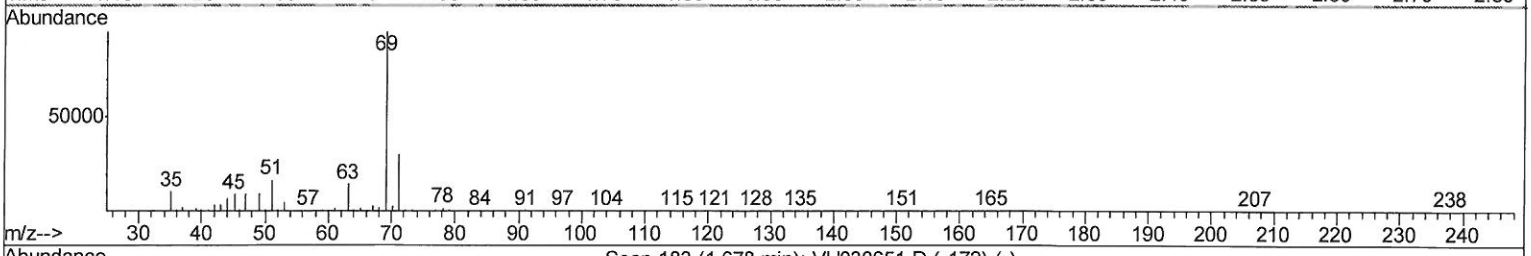
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040419\
Data File : VU030650.D
Acq On : 04 Apr 2019 00:02
Operator : JC/SP
Sample : K2167-14ME
Misc : 5.16g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

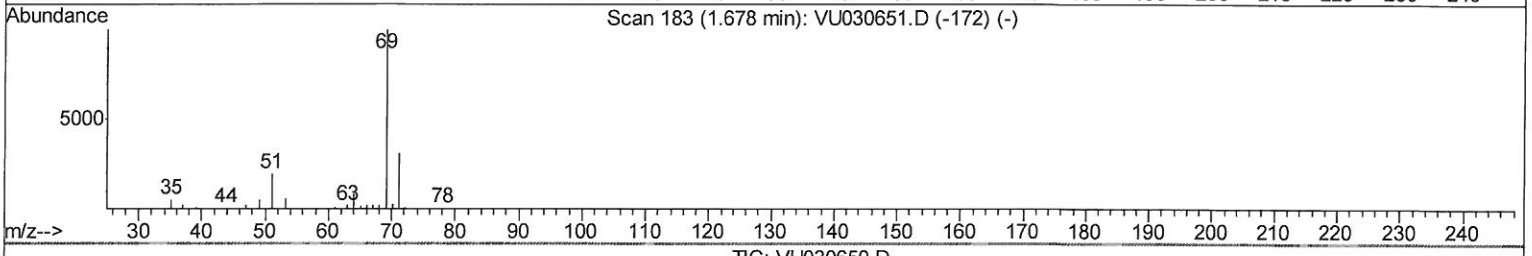
Quant Time: Apr 04 06:59:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:52:42 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF115ME

Manual Integrations APPROVED
MMDadoda
4/4/2019 11:53:04 AM







TIC: VU030650.D

(7) Chloroethane-d5 (S)

1.640min (-0.035) 32.95ug/L m

response 117364

Ion	Exp%	Act%
69.00	100	100
71.00	31.70	0.00#
51.00	28.60	0.00#
0.00	0.00	0.00

MD 4/6/19

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030650.D
Acq On : 04 Apr 2019 00:02
Operator : JC/SP
Sample : K2167-14ME
Misc : 5.16g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF115ME

Manual Integrations APPROVED
MMDadoda
4/4/2019 11:53:04 AM

Quant Time: Apr 04 08:04:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:52:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	558309	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	535479	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	257417	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	174312	38.79	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 77.58%			
7) Chloroethane-d5	1.64	69	117364m	32.95	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 65.90%#			
11) 1,1-Dichloroethene-d2	2.24	63	264004	30.97	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery = 61.94%			
21) 2-Butanone-d5	4.19	46	342030	80.98	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 80.98%			
24) Chloroform-d	4.64	84	304275	39.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 78.60%			
26) 1,2-Dichloroethane-d4	5.30	65	207282	40.92	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 81.84%			
32) Benzene-d6	5.33	84	672199	43.77	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.54%			
36) 1,2-Dichloropropane-d6	6.32	67	231490	44.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 88.12%			
41) Toluene-d8	7.56	98	589878	42.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 85.54%			
43) trans-1,3-Dichloropropene-	7.85	79	98613	39.92	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.84%			
47) 2-Hexanone-d5	8.32	63	247224	86.83	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 86.83%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	329115	43.78	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 87.56%			
64) 1,2-Dichlorobenzene-d4	11.86	152	226178	43.85	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 87.70%			
Target Compounds						Qvalue
46) Tetrachloroethene	8.22	164	44755	14.299	ug/L	98

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

MD 4/6/19