Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\

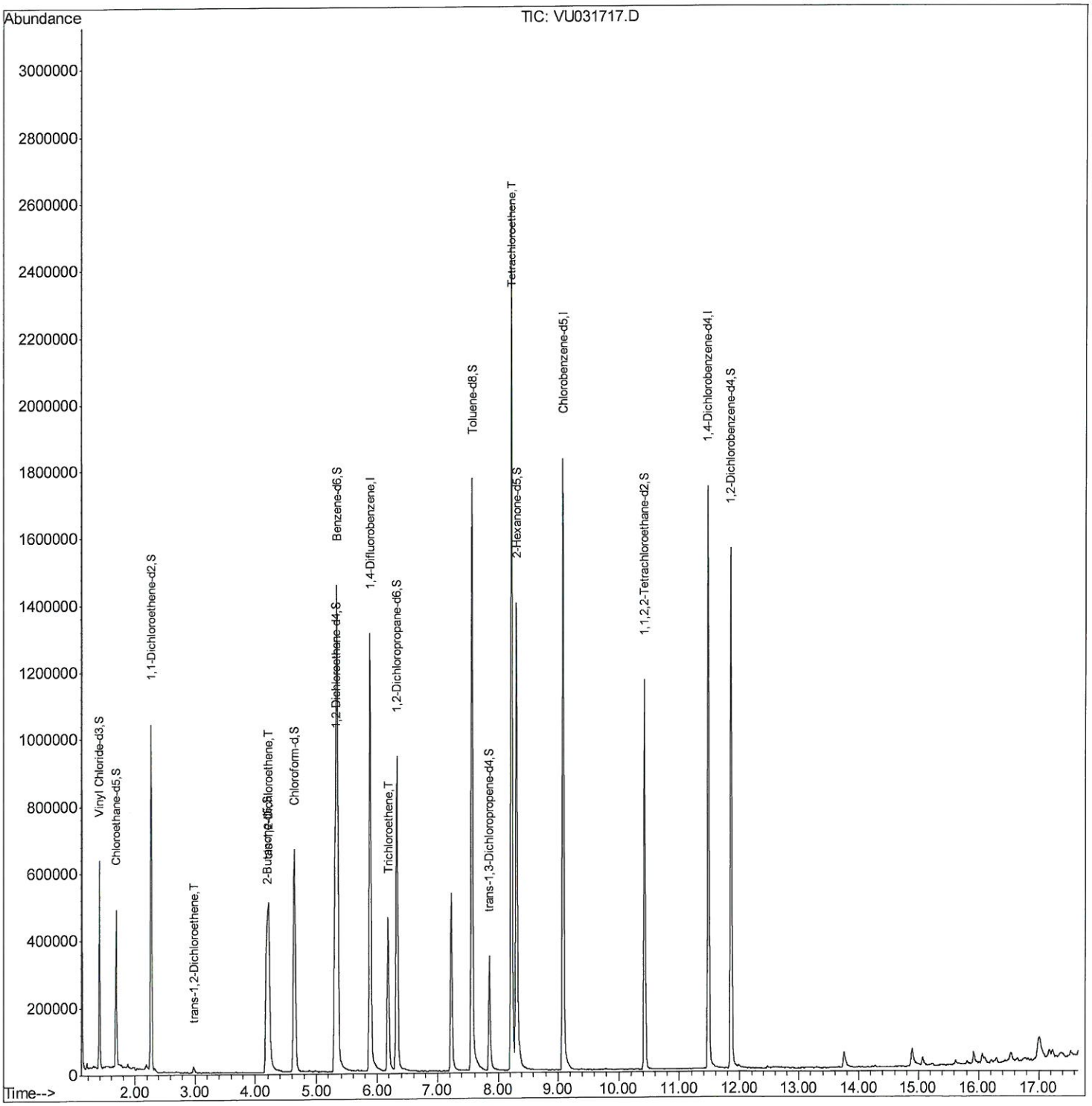
Quantitation Report (QT/LSC Reviewed)

Data File : VU031717.D
Acq On : 02 May 2019 17:15
Operator : JC/SP
Sample : K2661-02 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 03 07:37:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 07:25:23 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0B22

Manual Integrations APPROVED
MMDadoda
5/3/2019 10:38:53 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\

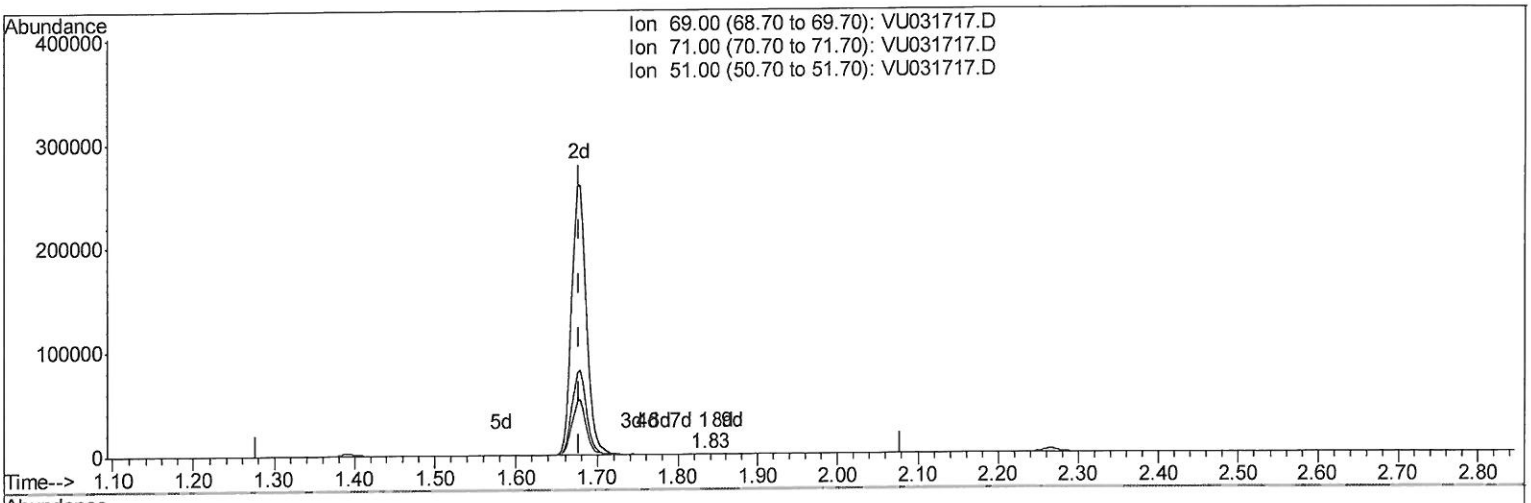
Quantitation Report (Qedit)

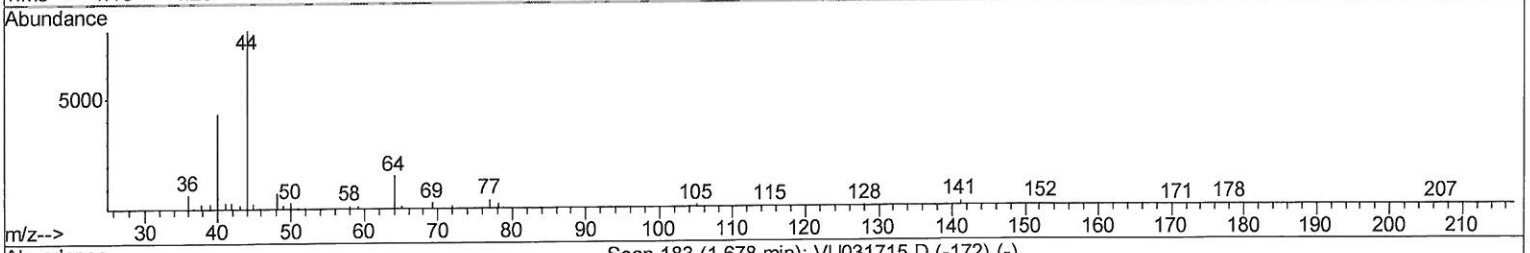
Data File : VU031717.D
Acq On : 02 May 2019 17:15
Operator : JC/SP
Sample : K2661-02 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

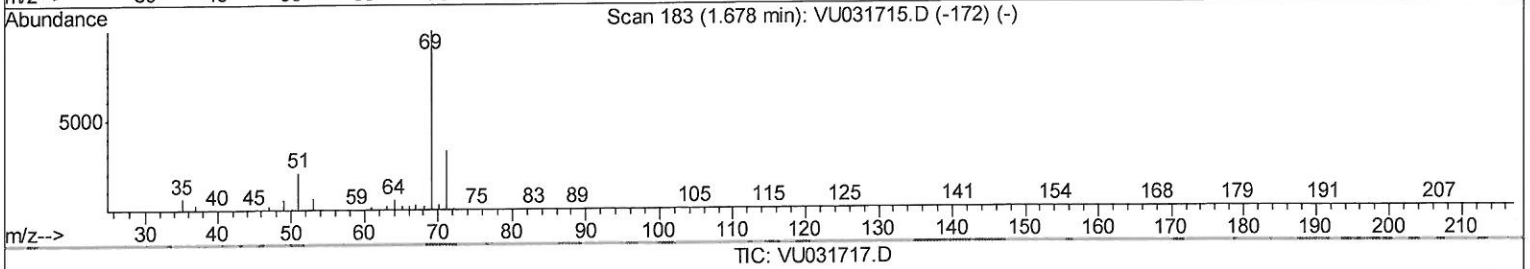
Quant Time: May 03 07:28:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 07:25:23 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0B22

Manual Integrations APPROVED
MMDadoda
5/3/2019 10:38:53 AM







TIC: VU031717.D

(7) Chloroethane-d5 (S)

1.833min (+0.155) 0.04ug/L

response 250

Ion	Exp%	Act%
69.00	100	100
71.00	32.30	31.60
51.00	29.10	27.20
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\

Quantitation Report (Qedit)

Data File : VU031717.D
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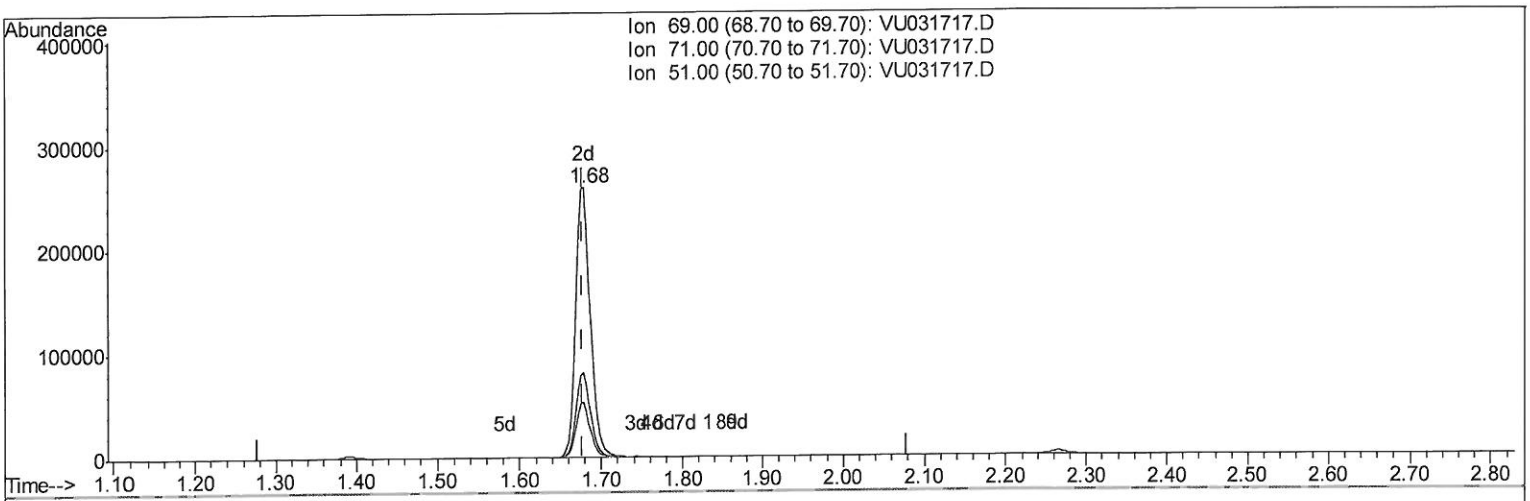
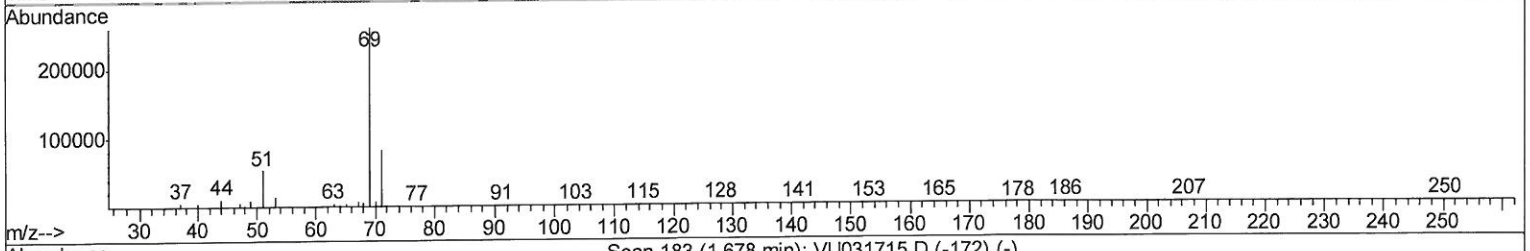
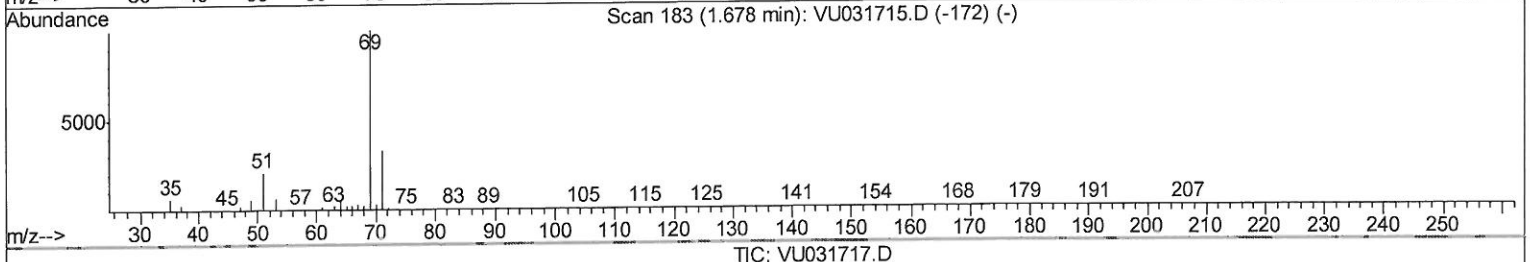
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 07:25:23 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0B22

Manual Integrations APPROVED
MMDadoda
5/3/2019 10:38:53 AM







TIC: VU031717.D

(7) Chloroethane-d5 (S)

1.679min (+0.000) 45.81ug/L m

response 325830

> MD 5/6/19

Ion	Exp%	Act%
69.00	100	100
71.00	32.30	0.02#
51.00	29.10	0.02#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\

Quantitation Report (QT/LSC Reviewed)

Data File : VU031717.D
Acq On : 02 May 2019 17:15
Operator : JC/SP
Sample : K2661-02 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0B22

Manual Integrations APPROVED
MMDadoda
5/3/2019 10:38:53 AM

Quant Time: May 03 07:37:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 07:25:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1099675	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1017409	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	442411	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	419425	45.57	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 91.14%			
7) Chloroethane-d5	1.68	69	325830m	45.81	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.62%			
11) 1,1-Dichloroethene-d2	2.27	63	604435	32.98	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 65.96%			
21) 2-Butanone-d5	4.18	46	752704	90.27	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 90.27%			
24) Chloroform-d	4.64	84	662030	39.28	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 78.56%			
26) 1,2-Dichloroethane-d4	5.31	65	446301	40.53	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 81.06%			
32) Benzene-d6	5.33	84	1421824	45.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.02%			
36) 1,2-Dichloropropane-d6	6.32	67	484174	44.05	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 88.10%			
41) Toluene-d8	7.56	98	1247383	45.84	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.68%			
43) trans-1,3-Dichloropropene-	7.85	79	210266	44.56	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 89.12%			
47) 2-Hexanone-d5	8.31	63	497163	104.50	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.50%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	606311	41.10	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 82.20%			
64) 1,2-Dichlorobenzene-d4	11.86	152	413962	44.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.98%			
Target Compounds						Qvalue
17) trans-1,2-Dichloroethene	2.98	96	5907	0.661	ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	206090	21.490	ug/L	99
34) Trichloroethene	6.18	95	173477	19.132	ug/L	96
46) Tetrachloroethene	8.22	164	595857	96.393	ug/L	93

JMD 5/6/19

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