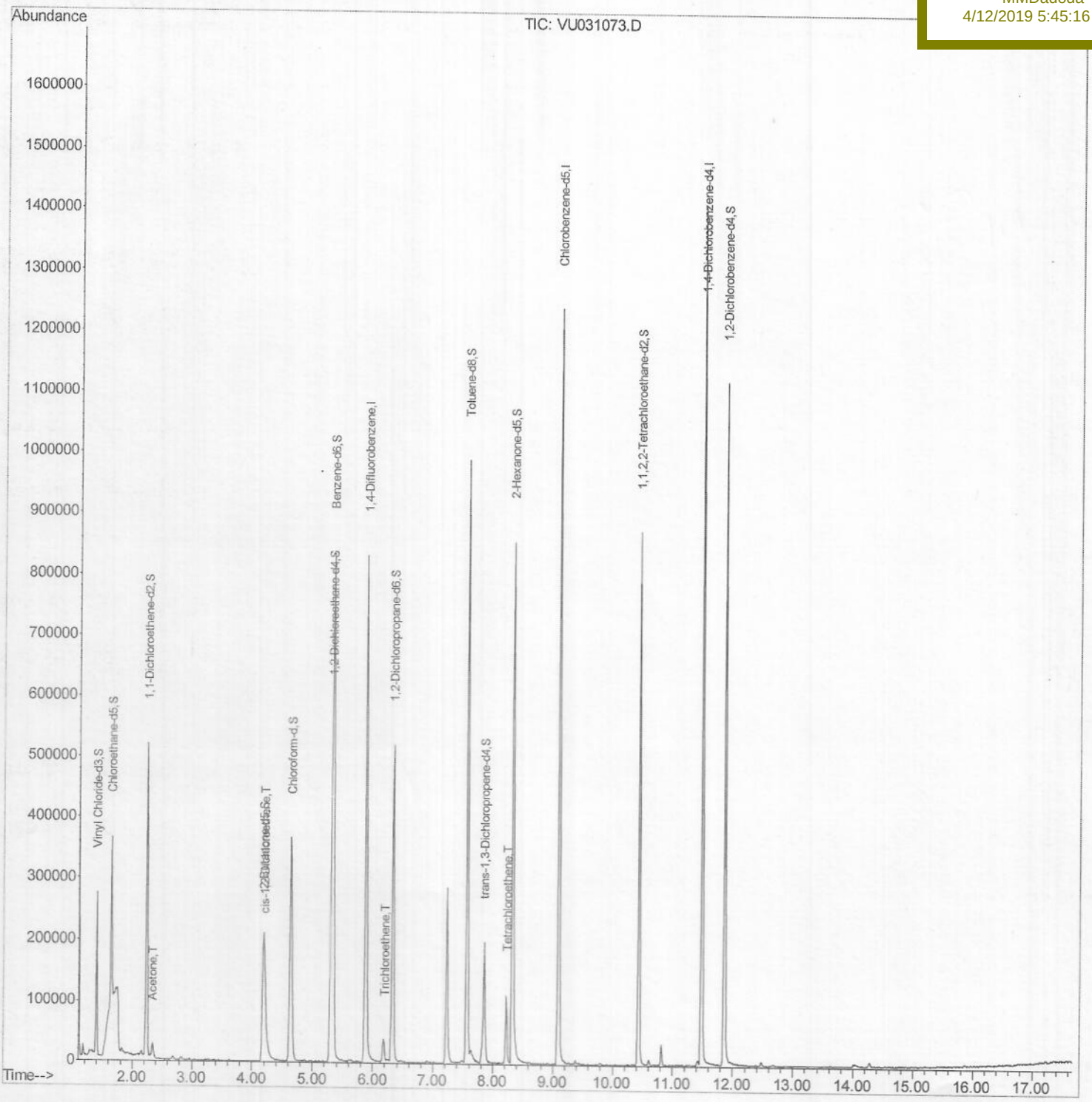
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031073.D
Acq On : 11 Apr 2019 16:59
Operator : JC/SP
Sample : K2277-21ME
Misc : 5.69g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 64 Sample Multiplier: 1

Quant Time: Apr 12 05:41:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 04:43:47 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF2R5ME

Manual Integrations APPROVED
MMDadoda
4/12/2019 5:45:16 PM



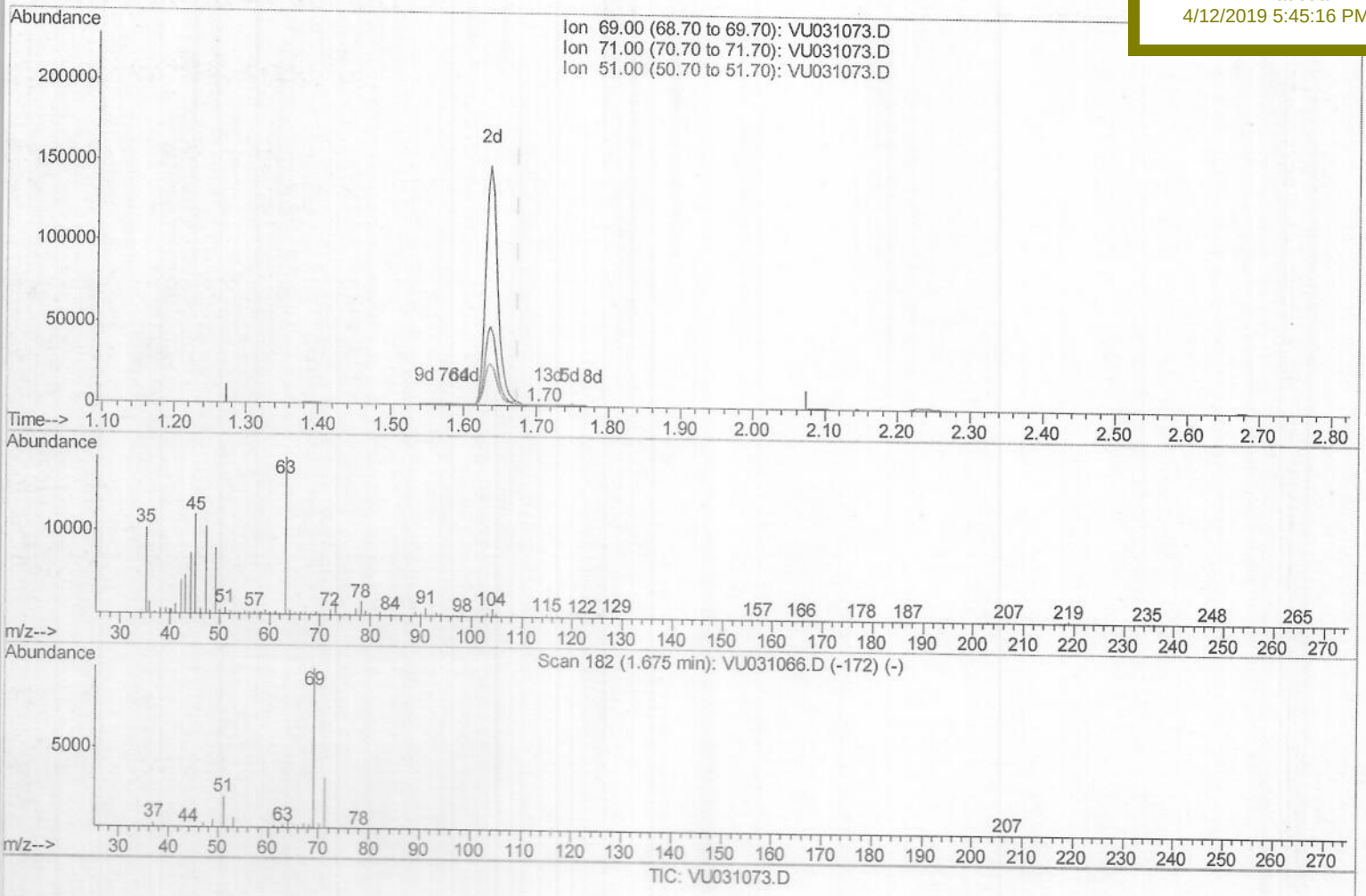
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031073.D
Acq On : 11 Apr 2019 16:59
Operator : JC/SP
Sample : K2277-21ME
Misc : 5.69g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 64 Sample Multiplier: 1

Quant Time: Apr 12 04:49:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 04:43:47 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF2R5ME

Manual Integrations APPROVED
MMDadoda
4/12/2019 5:45:16 PM



TIC: VU031073.D

(7) Chloroethane-d5 (S)

1.704min (+0.029) 0.08ug/L

response 403

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	57.57#
51.00	27.70	41.69#
0.00	0.00	0.00

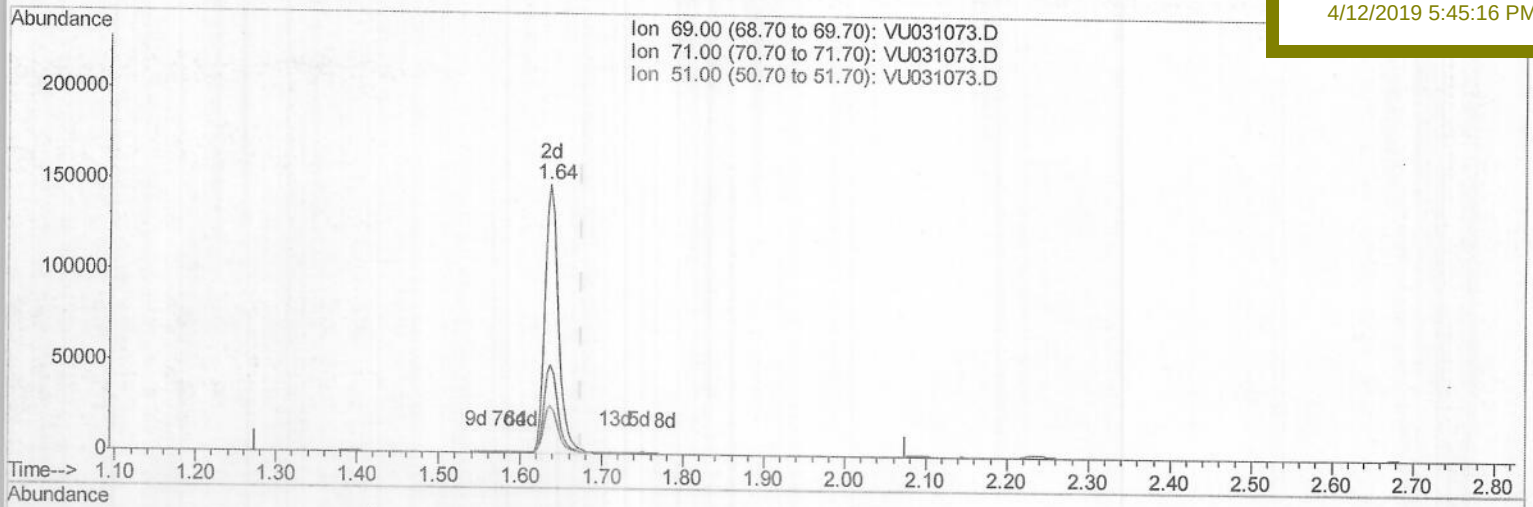
Quantitation Report (Qedit)

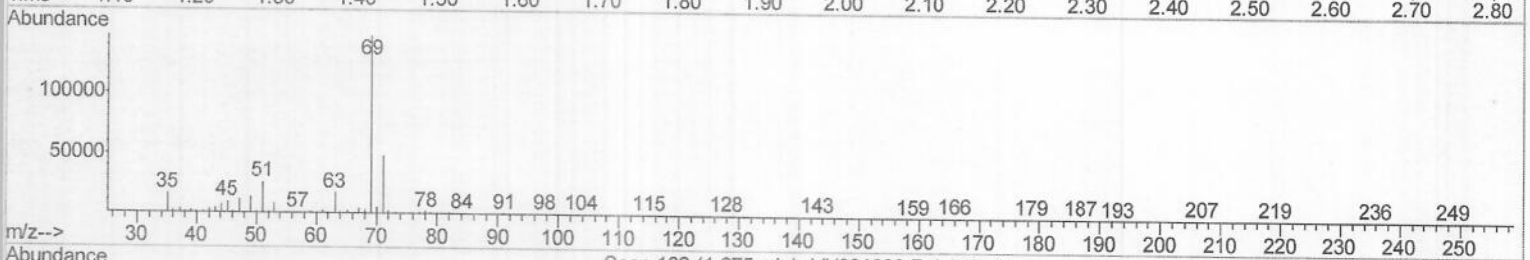
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031073.D
Acq On : 11 Apr 2019 16:59
Operator : JC/SP
Sample : K2277-21ME
Misc : 5.69g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 64 Sample Multiplier: 1

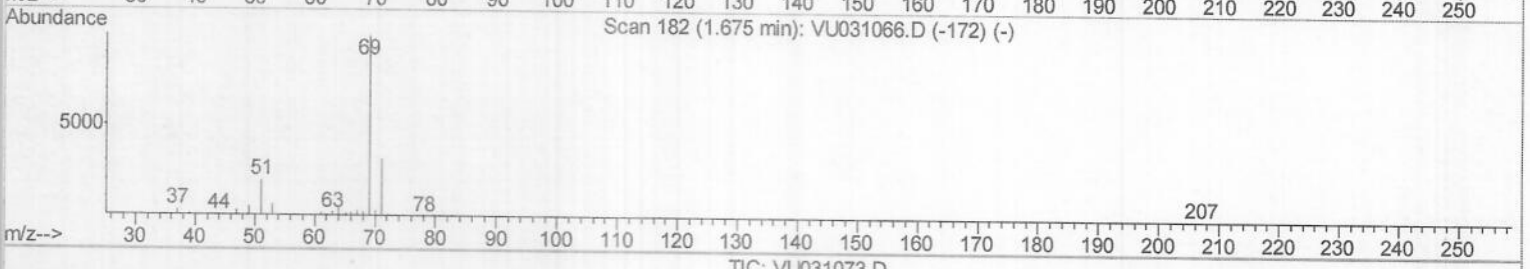
Quant Time: Apr 12 04:49:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 04:43:47 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF2R5ME

Manual Integrations APPROVED
MMDadoda
4/12/2019 5:45:16 PM







TIC: VU031073.D

(7) Chloroethane-d5 (S)

1.637min (-0.038) 33.76ug/L m

response 167269

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	0.14#
51.00	27.70	0.10#
0.00	0.00	0.00

M.D 4/24/19

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031073.D
Acq On : 11 Apr 2019 16:59
Operator : JC/SP
Sample : K2277-21ME
Misc : 5.69g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 64 Sample Multiplier: 1

Quant Time: Apr 12 05:41:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 04:43:47 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : BF2R5ME

Manual Integrations APPROVED
MMDadoda
4/12/2019 5:45:16 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	731224	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	722309	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	360490	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	191987	29.41	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	58.82%#		
7) Chloroethane-d5	1.64	69	167269m	33.76	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery =	67.52%#		
11) 1,1-Dichloroethene-d2	2.23	63	311655	26.40	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	52.80%#		
21) 2-Butanone-d5	4.18	46	437590	84.59	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.59%		
24) Chloroform-d	4.64	84	382759	38.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.78%		
26) 1,2-Dichloroethane-d4	5.30	65	283810	41.71	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.42%		
32) Benzene-d6	5.33	84	795876	37.74	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	75.48%		
36) 1,2-Dichloropropane-d6	6.32	67	280860	38.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	77.74%		
41) Toluene-d8	7.56	98	689011	36.86	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	73.72%#		
43) trans-1,3-Dichloropropene-	7.85	79	128485	38.99	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.98%		
47) 2-Hexanone-d5	8.32	63	318615	96.47	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.47%		
57) 1,1,2,2-Tetrachloroethane-	10.43	84	439845	45.12	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.24%		
64) 1,2-Dichlorobenzene-d4	11.86	152	296824	41.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.74%		
Target Compounds						Qvalue
13) Acetone	2.34	43	35599	6.725	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	20976	3.540	ug/L	99
34) Trichloroethene	6.18	95	14739	2.542	ug/L	93
46) Tetrachloroethene	8.22	164	26924	6.388	ug/L	97

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

M.D 4/24/19