Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\

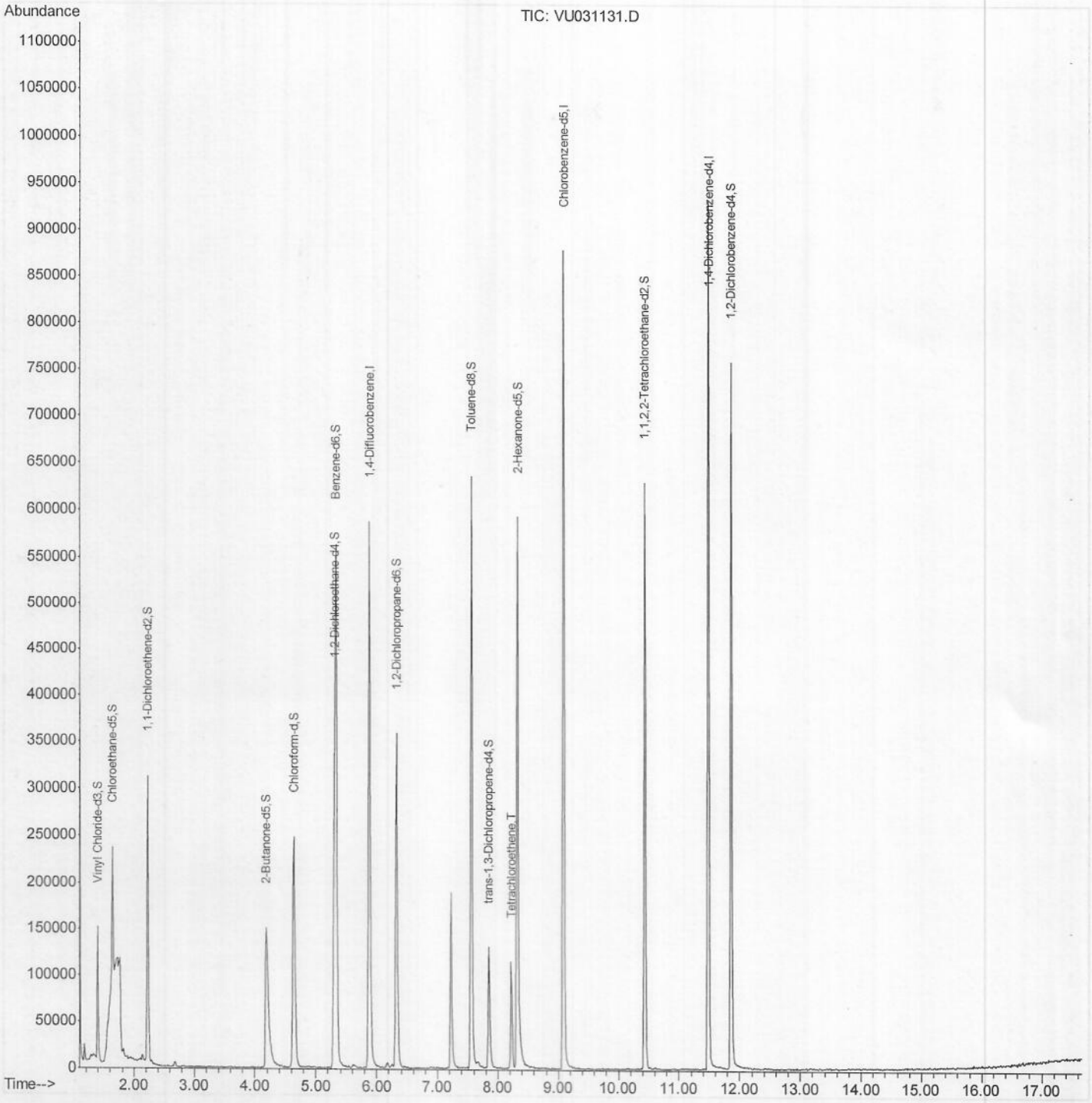
Quantitation Report (QT Reviewed)

Data File : VU031131.D
Acq On : 12 Apr 2019 16:18
Operator : JC/SP
Sample : K2354-01ME
Misc : 5.71g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 01:51:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 01:01:33 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF2T3ME

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:51:03 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\

Quantitation Report (Qedit)

Data File : VU031131.D
Acq On : 12 Apr 2019 16:18
Operator : JC/SP
Sample : K2354-01ME
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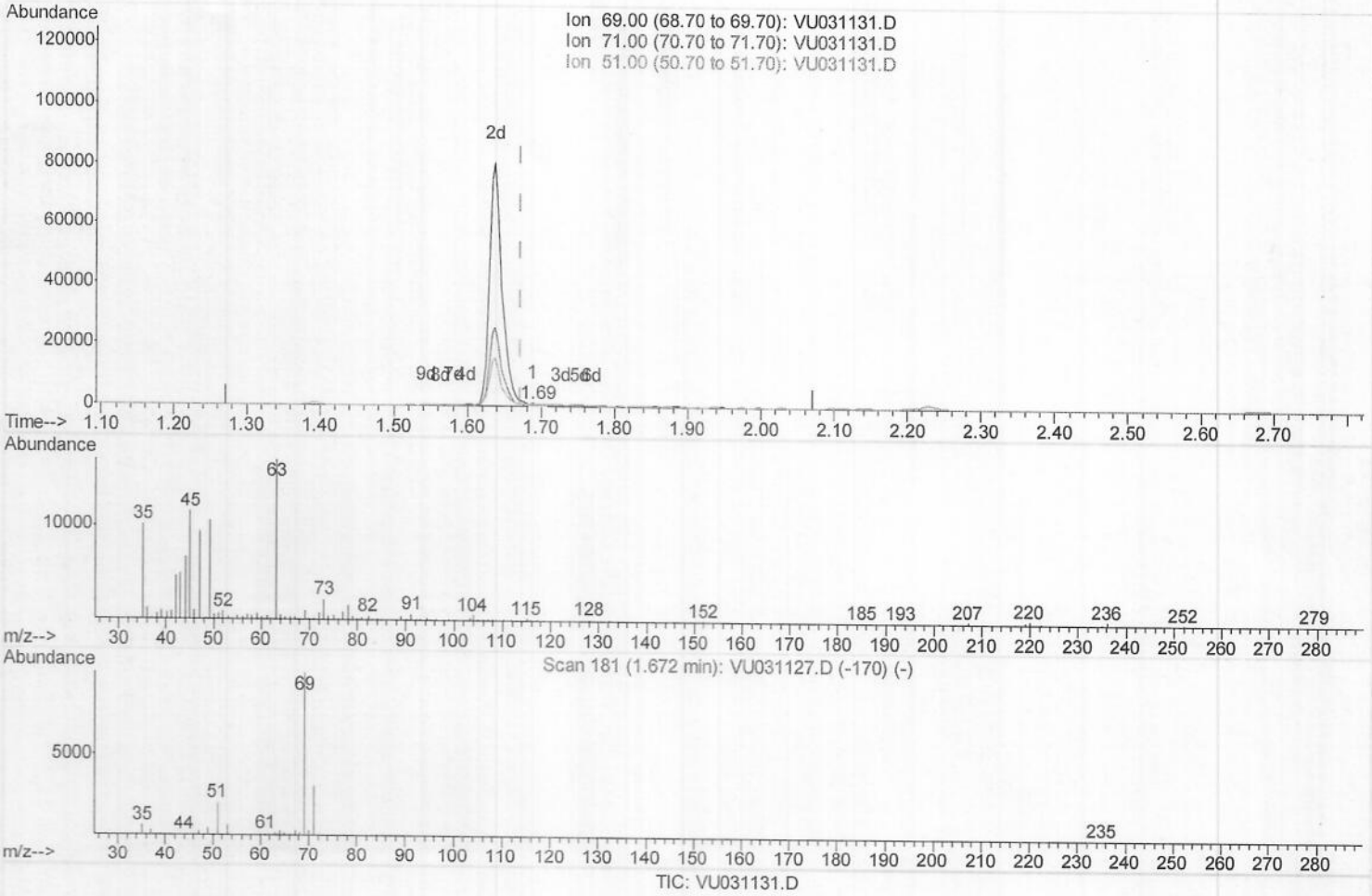
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 01:01:33 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF2T3ME

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:51:03 PM



TIC: VU031131.D

(7) Chloroethane-d5 (S)

1.688min (+0.016) 0.24ug/L

response 809

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	15.45#
51.00	27.70	0.00#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\

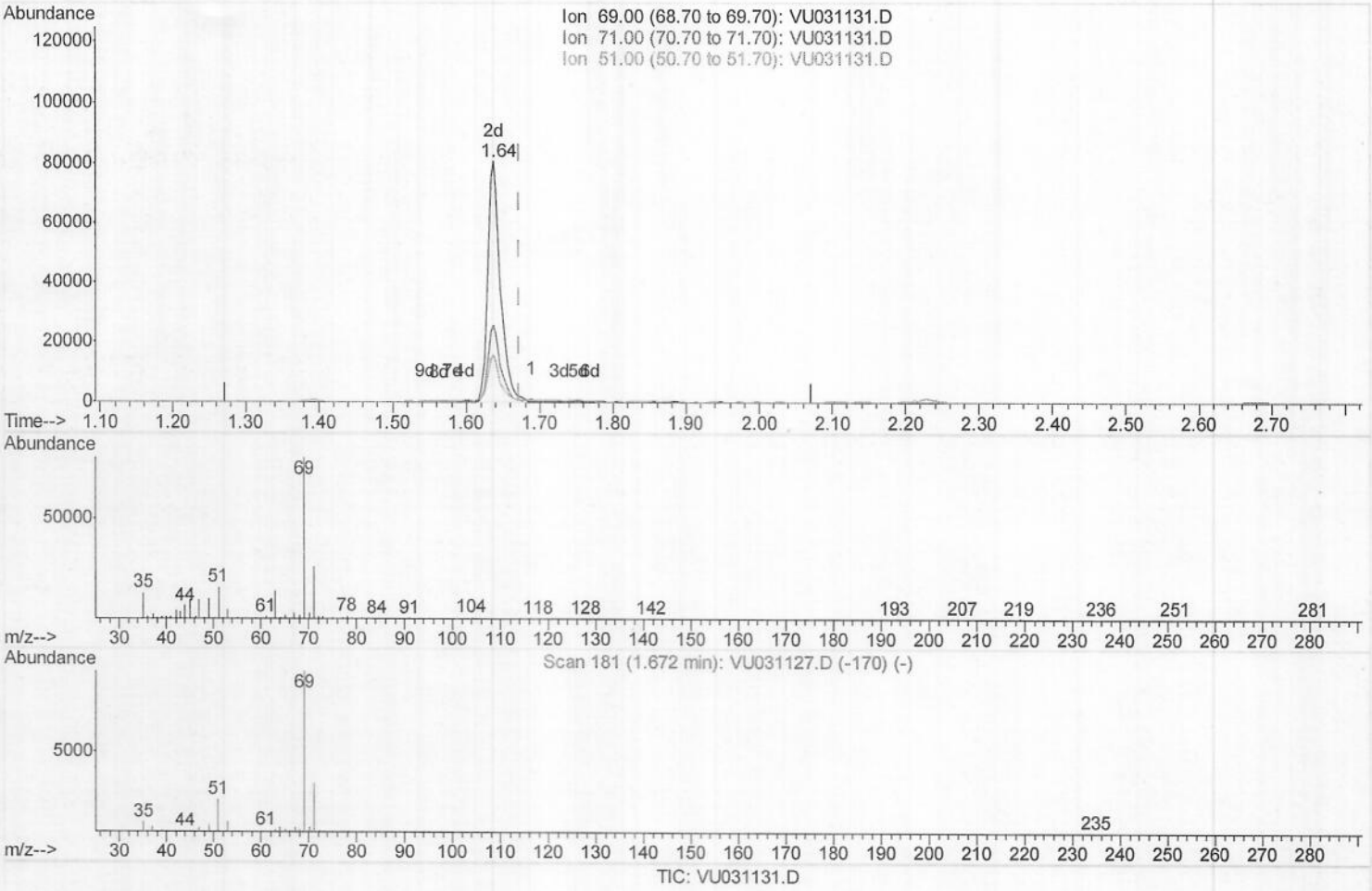
Quantitation Report (Qedit)

Data File : VU031131.D
Acq On : 12 Apr 2019 16:18
Operator : JC/SP
Sample : K2354-01ME
Misc : 5.71g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 01:04:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 01:01:33 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF2T3ME

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:51:03 PM



TIC: VU031131.D

(7) Chloroethane-d5 (S)

1.637min (-0.035) 28.42ug/L m

response 97808

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	0.13#
51.00	27.70	0.00#
0.00	0.00	0.00

> mD
4/16/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\

Quantitation Report (QT Reviewed)

Data File : VU031131.D
Acq On : 12 Apr 2019 16:18
Operator : JC/SP
Sample : K2354-01ME
Misc : 5.71g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 01:51:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 01:01:33 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : BF2T3ME

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:51:03 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	508012	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	505408	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	242960	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	112825	24.88	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 49.76%#			
7) Chloroethane-d5	1.64	69	97808m	28.42	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 56.84%#			
11) 1,1-Dichloroethene-d2	2.23	63	184368	22.48	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 44.96%#			
21) 2-Butanone-d5	4.19	46	328419	91.38	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 91.38%			
24) Chloroform-d	4.64	84	263629	38.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 76.12%			
26) 1,2-Dichloroethane-d4	5.30	65	196079	41.48	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 82.96%			
32) Benzene-d6	5.33	84	526423	35.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 71.36%			
36) 1,2-Dichloropropane-d6	6.32	67	192224	38.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 76.04%			
41) Toluene-d8	7.56	98	439917	33.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 67.28%#			
43) trans-1,3-Dichloropropene-	7.85	79	86891	37.69	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 75.38%			
47) 2-Hexanone-d5	8.32	63	224431	97.11	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery = 97.11%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	324953	47.64	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.28%			
64) 1,2-Dichlorobenzene-d4	11.86	152	203520	42.59	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 85.18%			
Target Compounds						Qvalue
46) Tetrachloroethene	8.22	164	25768	8.737	ug/L	96

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

MD 4/16/19