Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\

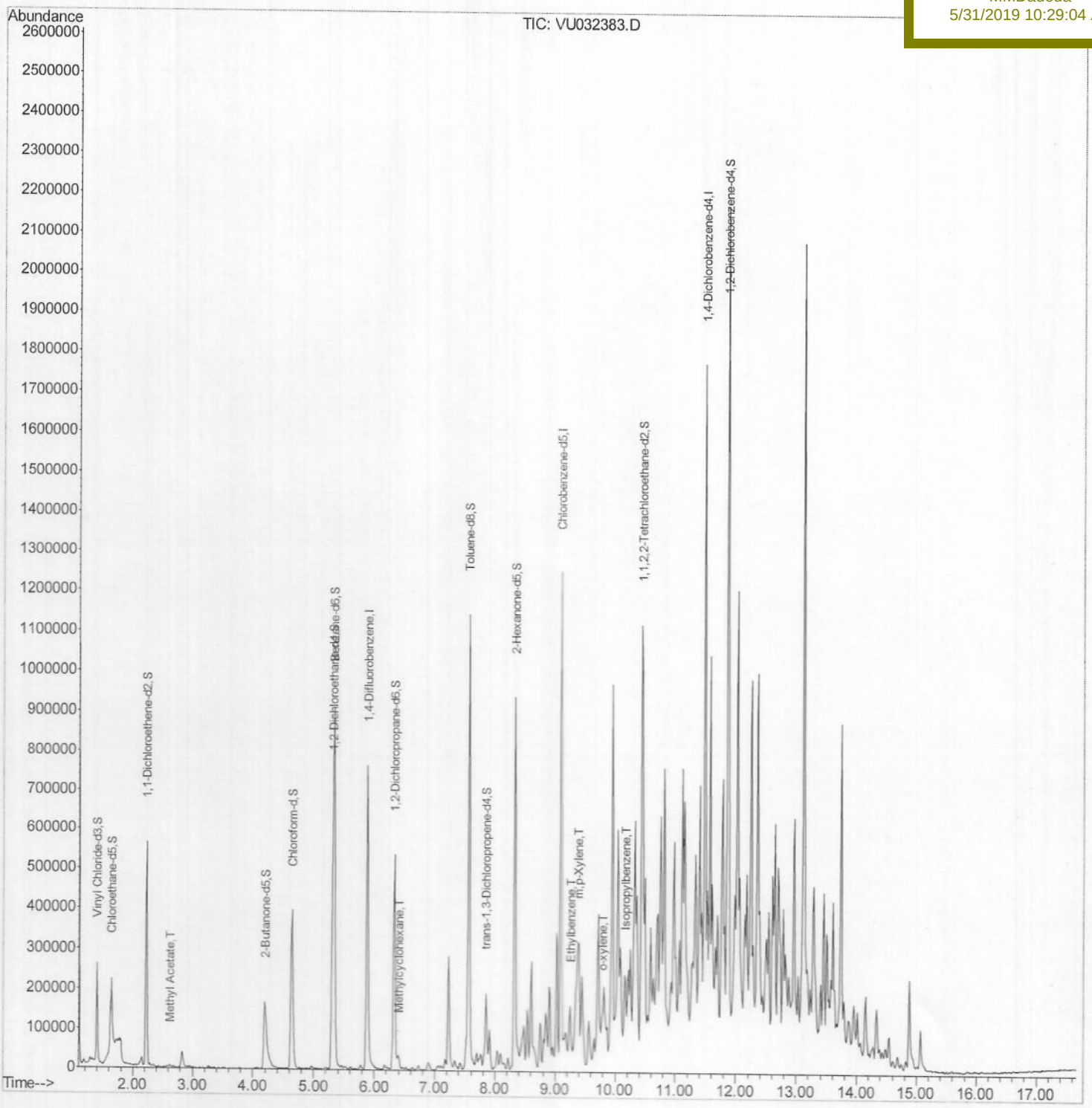
Quantitation Report (QT Reviewed)

Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 31 05:19:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 04:34:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
GALD4

Manual Integrations APPROVED
MMDadoda
5/31/2019 10:29:04 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\

Quantitation Report (Qedit)

Data File : VU032383.D
Acq On : 30 May 2019 15:49
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ALS Vial : 14 Sample Multiplier: 1

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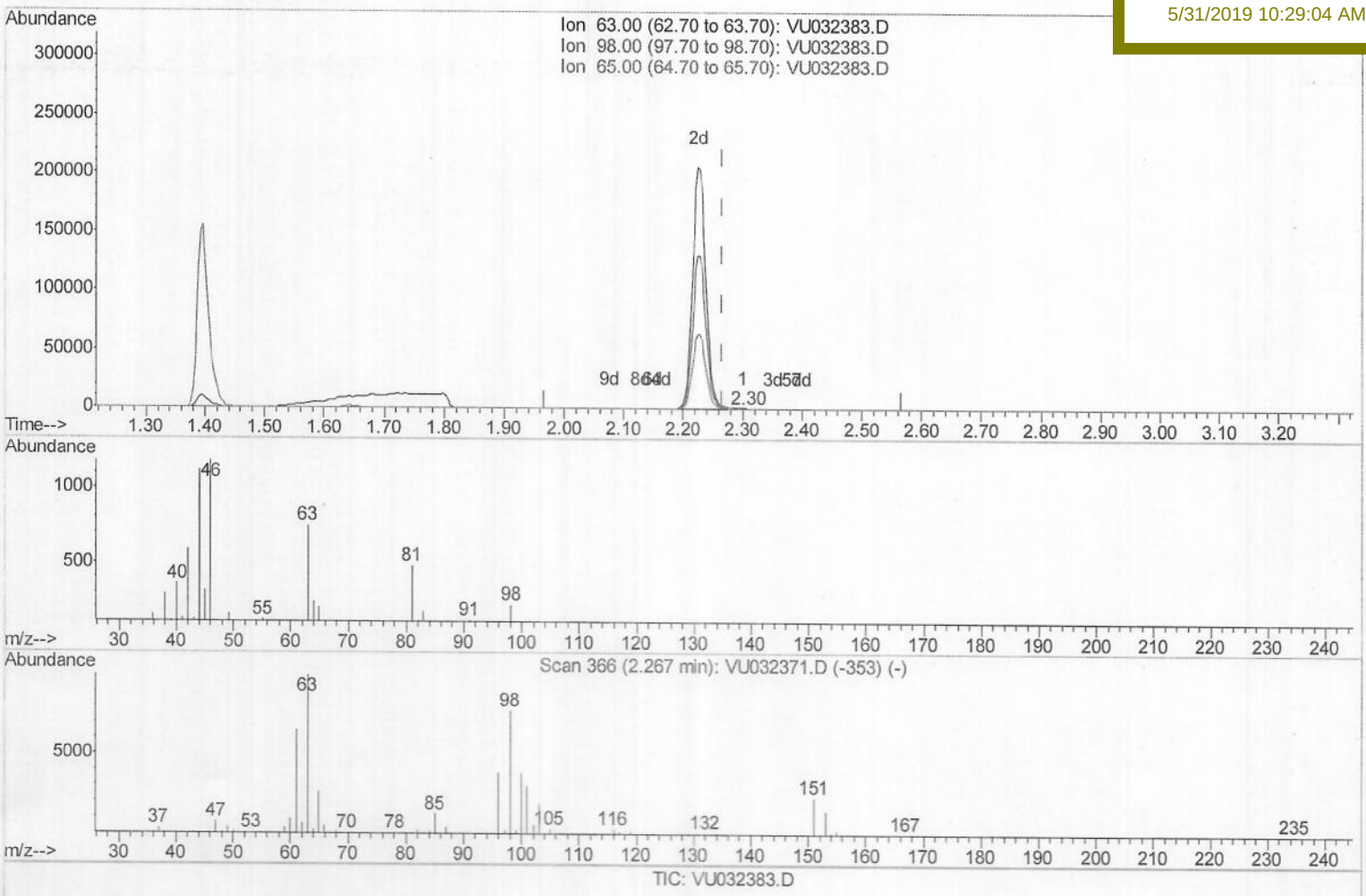
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 04:34:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
GALD4

Manual Integrations APPROVED
MMDadoda
5/31/2019 10:29:04 AM



TIC: VU032383.D

(11) 1,1-Dichloroethene-d2 (S)

2.302min (+0.036) 0.09ug/L

response 874

Ion	Exp%	Act%
63.00	100	100
98.00	80.00	0.00#
65.00	24.10	0.00#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\

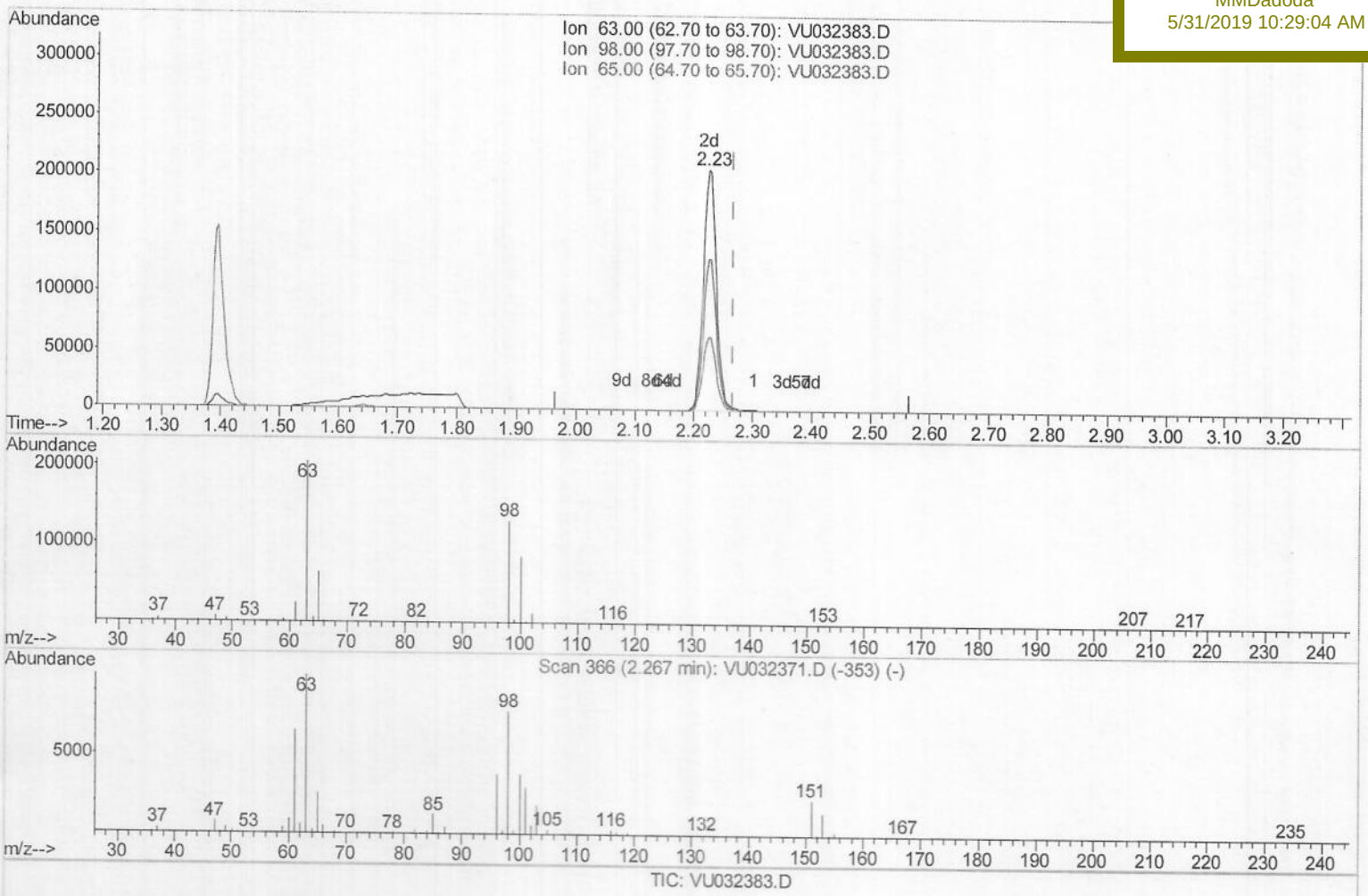
Quantitation Report (Qedit)

Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 31 04:38:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 04:34:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
GALD4

Manual Integrations APPROVED
MMDadoda
5/31/2019 10:29:04 AM



TIC: VU032383.D

(11) 1,1-Dichloroethene-d2 (S)

2.225min (-0.042) 32.52ug/L m

response 319525

Ion	Exp%	Act%
63.00	100	100
98.00	80.00	0.00#
65.00	24.10	0.00#
0.00	0.00	0.00

A.D
05/31/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\

Quantitation Report (QT Reviewed)

Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 31 05:19:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 04:34:14 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : GALD4

Manual Integrations APPROVED
MMDadoda
5/31/2019 10:29:04 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	750415	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	796893	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	410965	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	207942	37.59	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 75.18%			
7) Chloroethane-d5	1.64	69	132211	29.60	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 59.20%#			
11) 1,1-Dichloroethene-d2	2.23	63	319525m	32.52	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 65.04%			
21) 2-Butanone-d5	4.20	46	363962	99.98	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery = 99.98%			
24) Chloroform-d	4.64	84	441864	45.64	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.28%			
26) 1,2-Dichloroethane-d4	5.30	65	284100	49.59	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.18%			
32) Benzene-d6	5.33	84	940855	45.01	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.02%			
36) 1,2-Dichloropropane-d6	6.32	67	302369	46.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.20%			
41) Toluene-d8	7.56	98	849521	43.56	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 87.12%			
43) trans-1,3-Dichloropropene-	7.85	79	131249	44.18	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.36%			
47) 2-Hexanone-d5	8.32	63	318209	116.90	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery = 116.90%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	480748	48.49	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.98%			
64) 1,2-Dichlorobenzene-d4	11.86	152	405675	48.41	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.82%			

Target Compounds						Qvalue
15) Methyl Acetate	2.63	43	9114	1.662	ug/L	90
35) Methylcyclohexane	6.41	83	13611	1.555	ug/L	97
52) Ethylbenzene	9.25	91	51561	1.989	ug/L	98
53) m,p-Xylene	9.38	106	57349	5.751	ug/L	98
54) o-xylene	9.78	106	25532	2.551	ug/L	97
56) Isopropylbenzene	10.17	105	63905	2.516	ug/L #	95

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

M.P 05/31/19