Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052119\

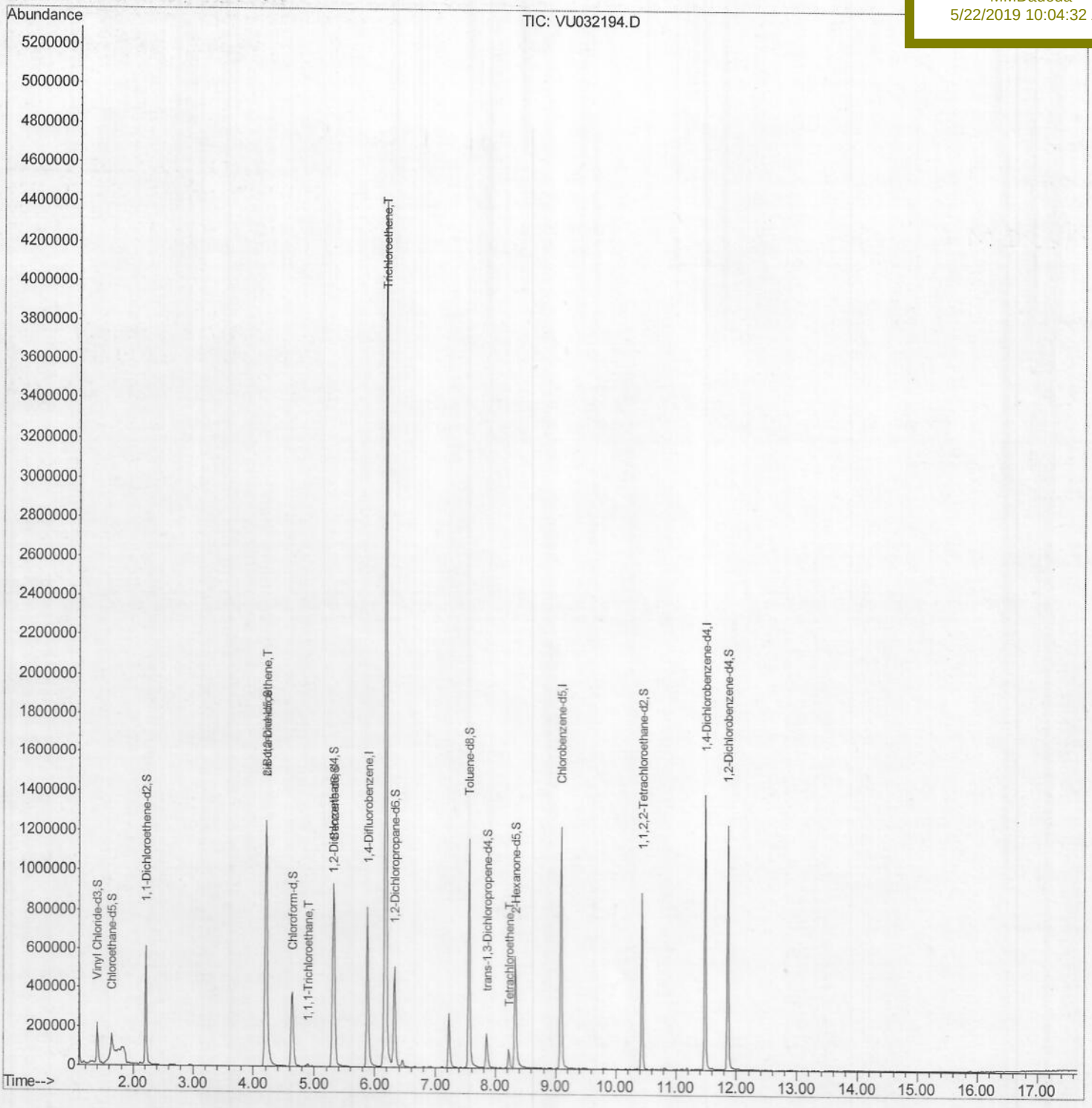
Quantitation Report (QT/LSC Reviewed)

Data File : VU032194.D
Acq On : 21 May 2019 12:59
Operator : JC/SP
Sample : K2788-14ME
Misc : 5.30g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 22 02:22:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 22 02:08:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
A51A4ME

Manual Integrations APPROVED
MMDadoda
5/22/2019 10:04:32 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052119\

Quantitation Report (Qedit)

Data File : VU032194.D
Acq On : 21 May 2019 12:59
Operator : JC/SP
Sample : K2788-14ME
Misc : 5.30g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 22 02:11:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 22 02:08:11 2019
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Manual Integrations APPROVED
MMDadoda
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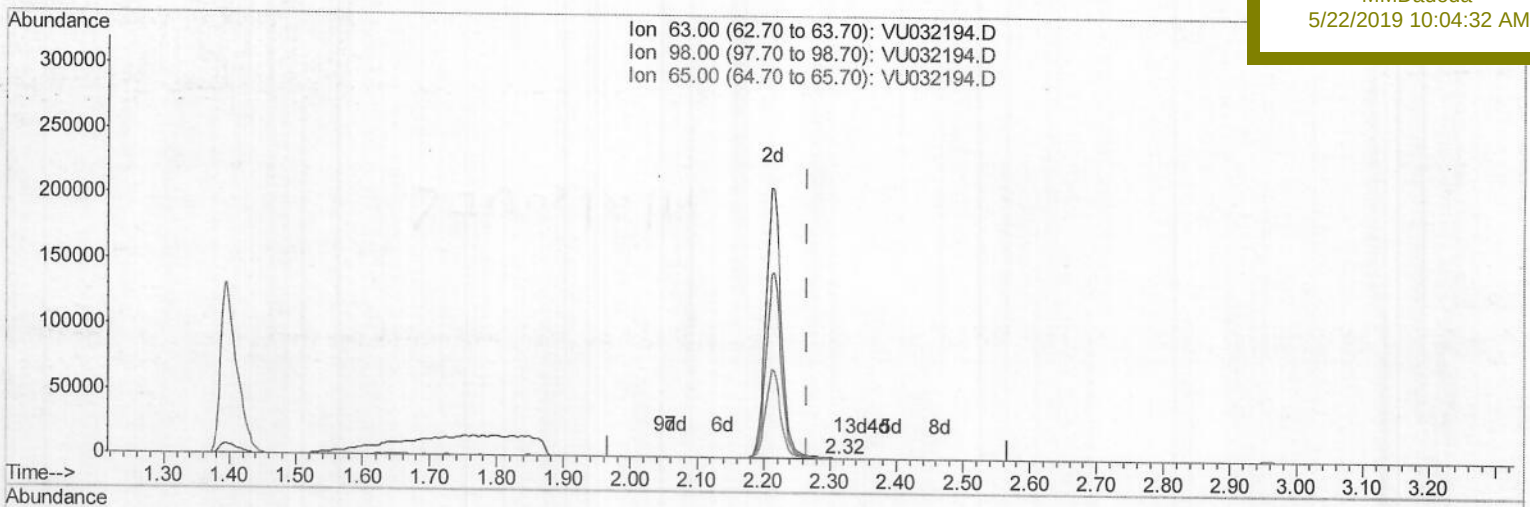
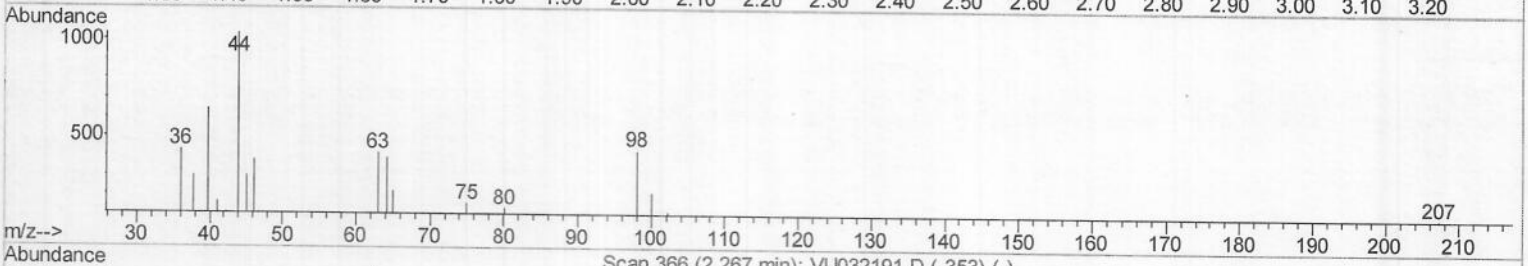
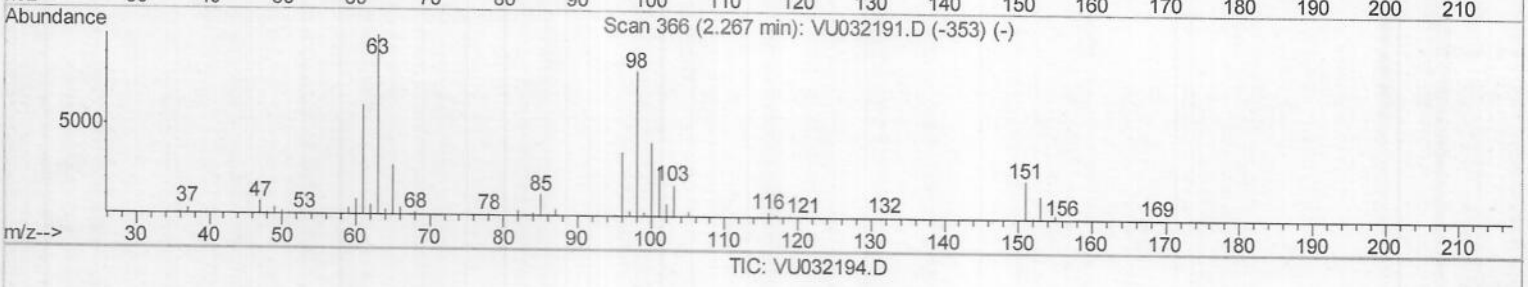






TIC: VU032194.D

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

2.315min (+0.048) 0.03ug/L

response 360

Ion	Exp%	Act%
63.00	100	100
98.00	85.10	133.06#
65.00	24.00	62.78#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052119\

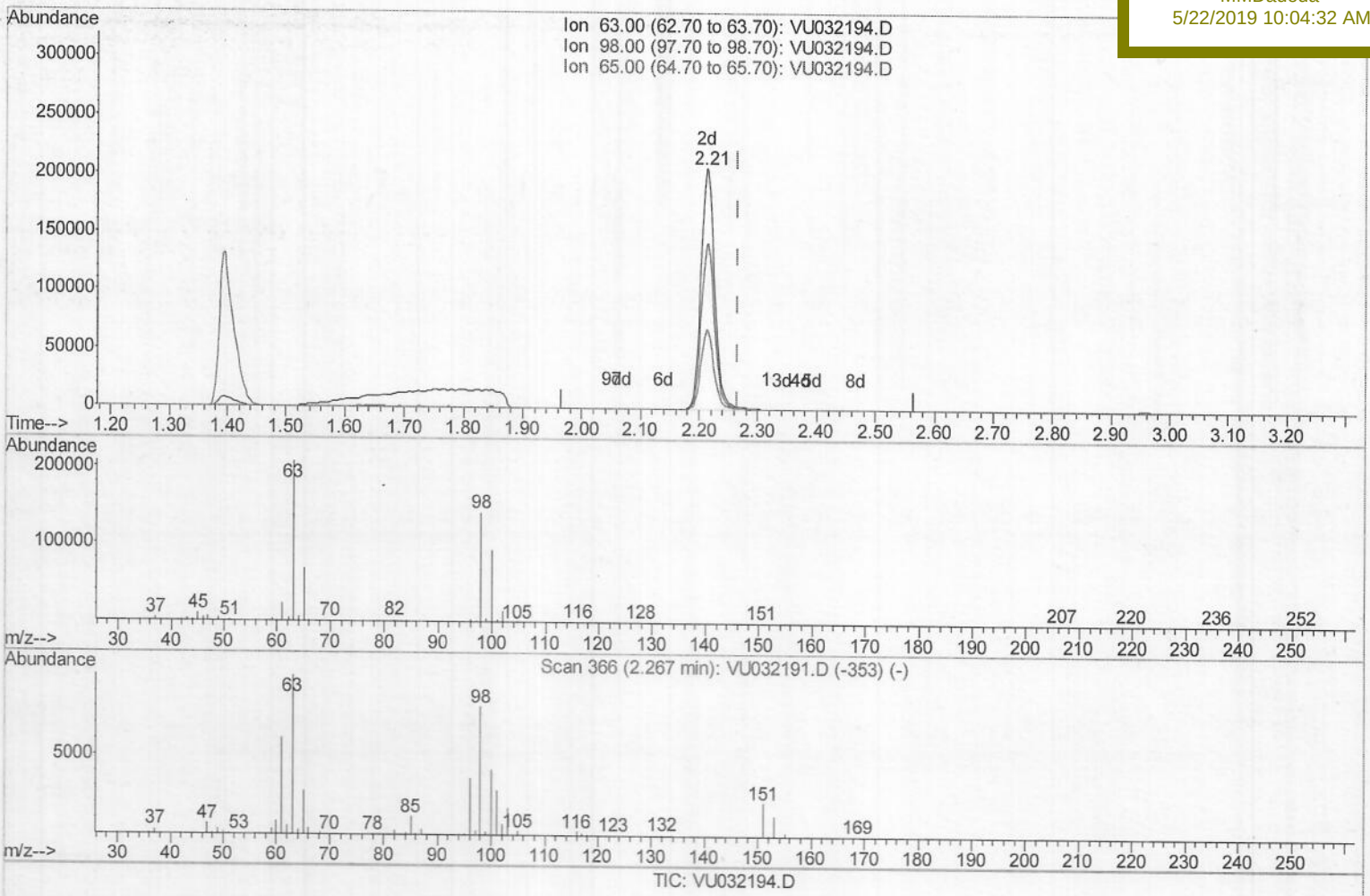
Quantitation Report (Qedit)

Data File : VU032194.D
Acq On : 21 May 2019 12:59
Operator : JC/SP
Sample : K2788-14ME
Misc : 5.30g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 22 02:11:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 22 02:08:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
A51A4ME

Manual Integrations APPROVED
MMDadoda
5/22/2019 10:04:32 AM



TIC: VU032194.D

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

2.212min (-0.055) 31.29ug/L m) MD05/23/19

response 335277

Ion	Exp%	Act%
63.00	100	100
98.00	85.10	0.14#
65.00	24.00	0.07#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052119\

Quantitation Report (QT/LSC Reviewed)

Data File : VU032194.D
Acq On : 21 May 2019 12:59
Operator : JC/SP
Sample : K2788-14ME
Misc : 5.30g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 22 02:22:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 22 02:08:11 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : A51A4ME

Manual Integrations APPROVED
MMDadoda
5/22/2019 10:04:32 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	862698	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	852258	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	400748	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	225177	40.02	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 80.04%			
7) Chloroethane-d5	1.64	69	109191	22.27	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 44.54%#			
11) 1,1-Dichloroethene-d2	2.21	63	335277m	31.29	ug/L	-0.05
Spiked Amount 50.000	Range 60 - 125		Recovery = 62.58%			
21) 2-Butanone-d5	4.21	46	330823	95.28	ug/L	0.04
Spiked Amount 100.000	Range 40 - 130		Recovery = 95.28%			
24) Chloroform-d	4.64	84	452208	40.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 81.56%			
26) 1,2-Dichloroethane-d4	5.30	65	284260	43.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 86.86%			
32) Benzene-d6	5.32	84	961279	43.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 86.78%			
36) 1,2-Dichloropropane-d6	6.32	67	286043	44.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 89.44%			
41) Toluene-d8	7.56	98	901607	42.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 85.88%			
43) trans-1,3-Dichloropropene-	7.85	79	133337	42.24	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 84.48%			
47) 2-Hexanone-d5	8.33	63	271445	93.54	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery = 93.54%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	462228	44.67	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 89.34%			
64) 1,2-Dichlorobenzene-d4	11.86	152	364301	43.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 86.92%			
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	4.21	96	741336	110.834	ug/L	99
30) 1,1,1-Trichloroethane	4.90	97	8576	0.943	ug/L #	79
34) Trichloroethene	6.17	95	1665186	261.697	ug/L	98
46) Tetrachloroethene	8.22	164	25014	4.761	ug/L	97

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

JMD 05/23/19