Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040119\

Quantitation Report (QT Reviewed)

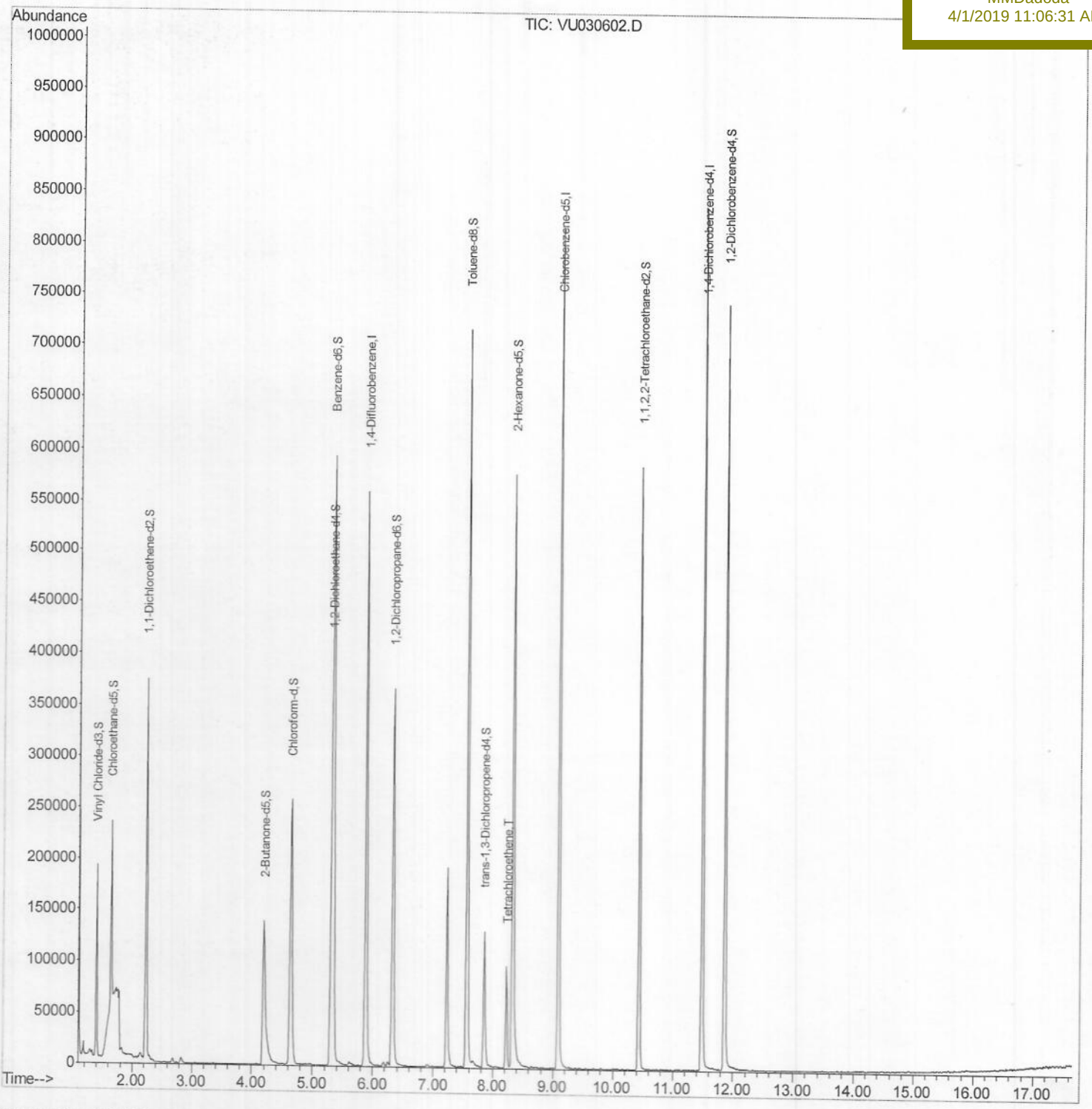
Data File : VU030602.D
Acq On : 31 Mar 2019 19:53
Operator : JC/SP
Sample : K2166-17ME
Misc : 5.49g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH

ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 01 04:15:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 02:05:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0N4ME

Manual Integrations APPROVED
MMDadoda
4/1/2019 11:06:31 AM



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040119\

Quantitation Report (Qedit)

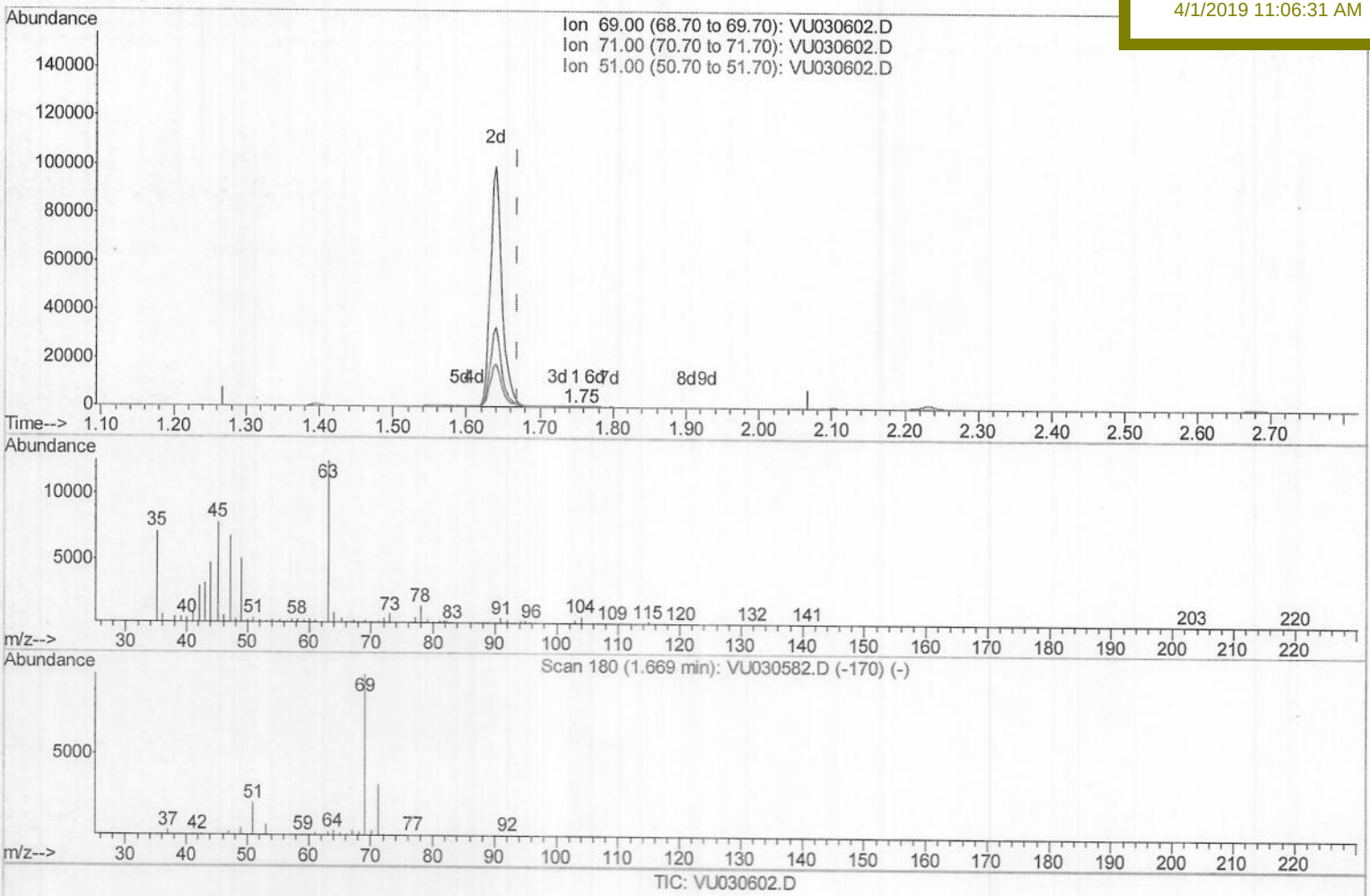
Data File : VU030602.D
Acq On : 31 Mar 2019 19:53
Operator : JC/SP
Sample : K2166-17ME
Misc : 5.49g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH

ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 01 02:12:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 02:05:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0N4ME

Manual Integrations APPROVED
MMDadoda
4/1/2019 11:06:31 AM



TIC: VU030602.D

(7) Chloroethane-d5 (S)

1.749min (+0.080) 0.12ug/L

response 355

Ion	Exp%	Act%
69.00	100	100
71.00	31.70	32.11
51.00	28.60	25.63
0.00	0.00	0.00

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Quantitation Report (Qedit)

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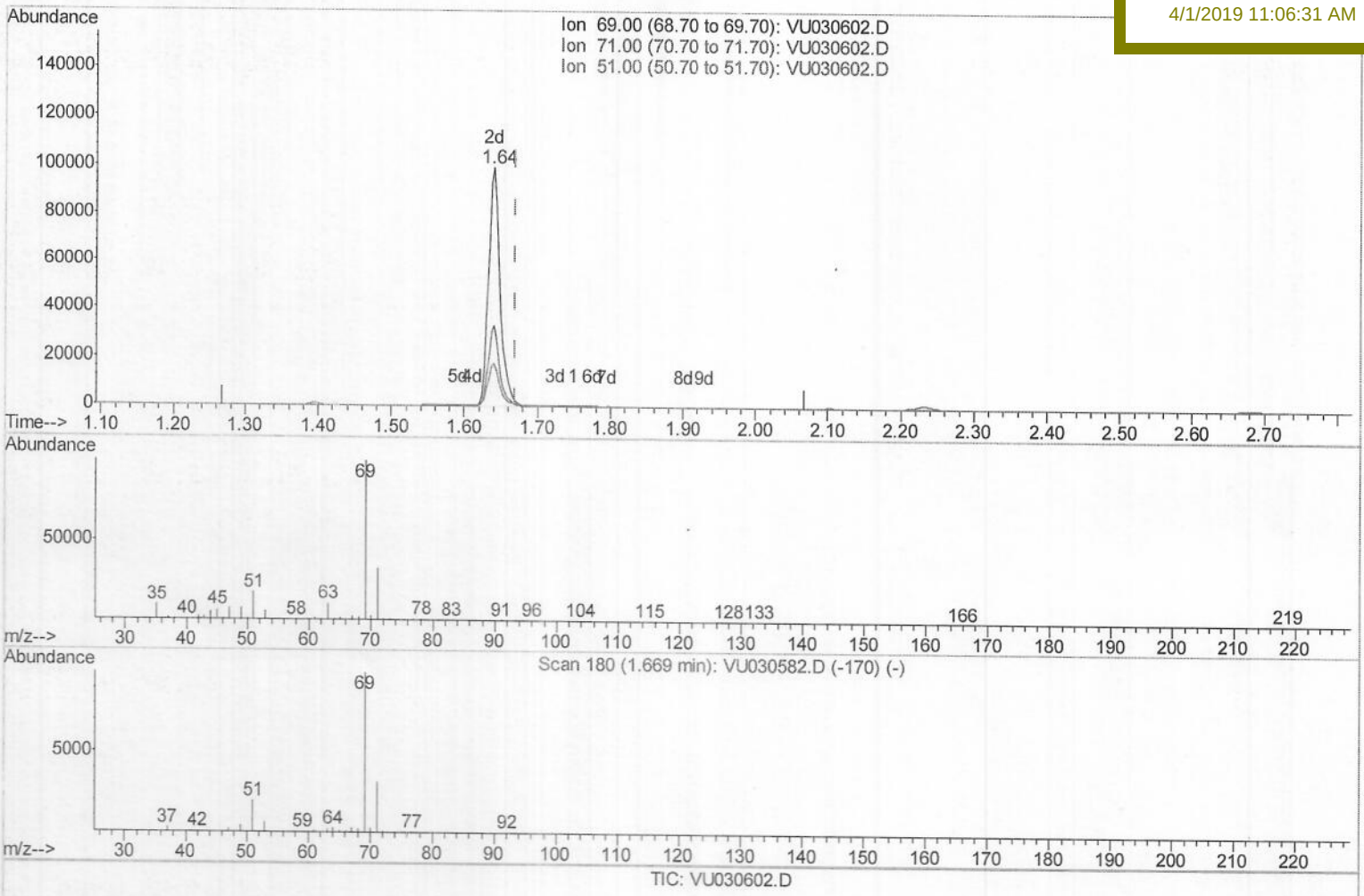
Instrument :
MSVOA_U
ClientSampleId :
BF0N4ME

Manual Integrations APPROVED
MMDadoda
4/1/2019 11:06:31 AM



TIC: VU030602.D

(7) Chloroethane-d5 (S)

1.640min (-0.029) 37.16ug/L m

response 108932

Ion	Exp%	Act%
69.00	100	100
71.00	31.70	0.10#
51.00	28.60	0.08#
0.00	0.00	0.00

M.D. 04/10/19

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040119\

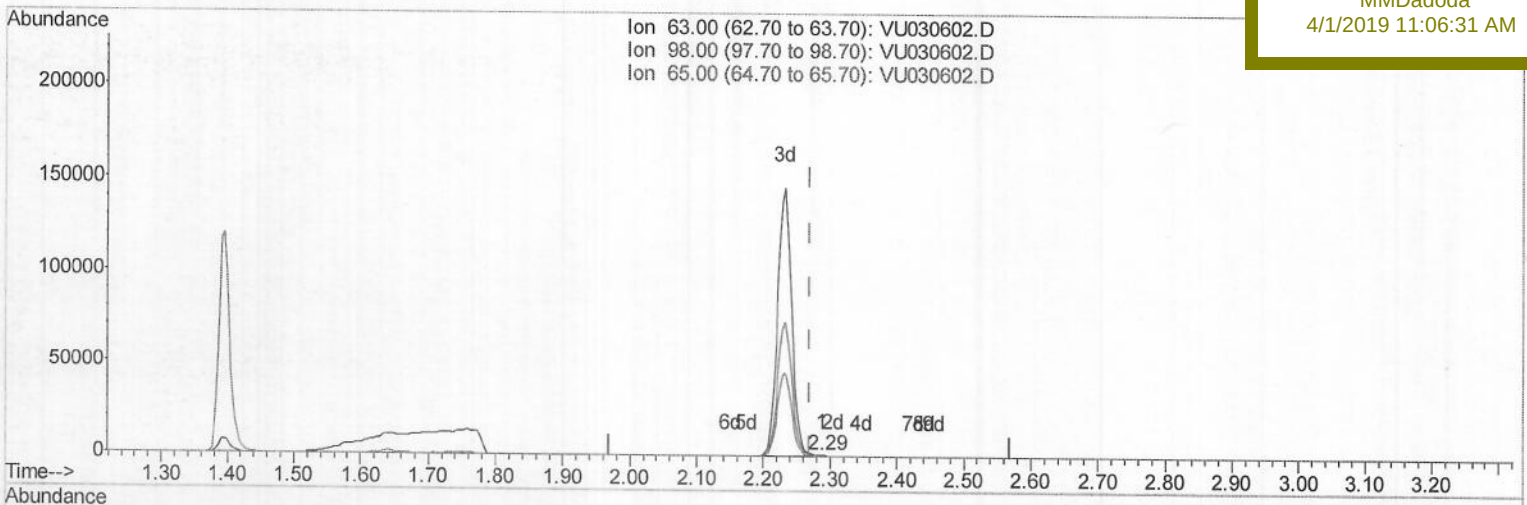
Quantitation Report (Qedit)

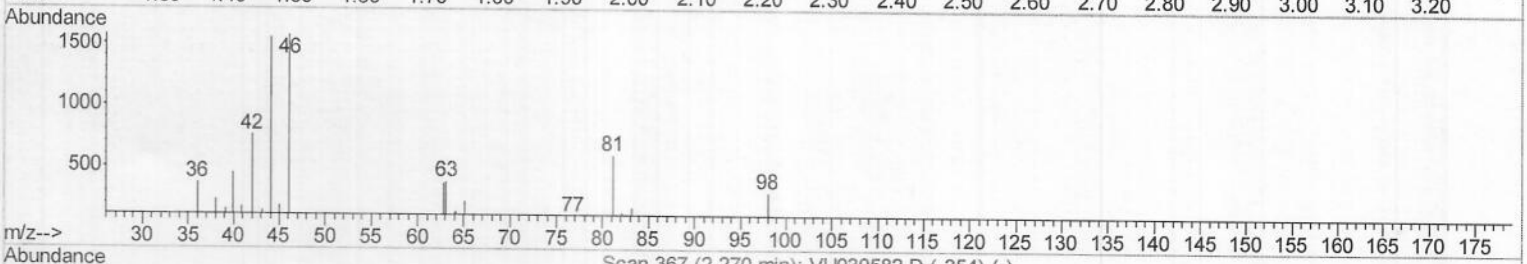
Data File : VU030602.D
Acq On : 31 Mar 2019 19:53
Operator : JC/SP
Sample : K2166-17ME
Misc : 5.49g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

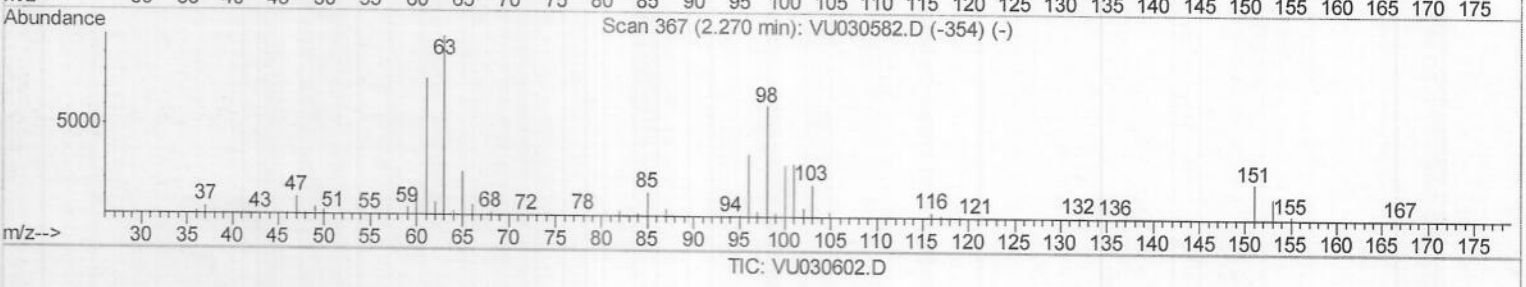
Quant Time: Apr 01 02:12:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 02:05:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0N4ME

Manual Integrations APPROVED
MMDadoda
4/1/2019 11:06:31 AM







TIC: VU030602.D

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

2.289min (+0.019) 0.03ug/L

response 239

Ion	Exp%	Act%
63.00	100	100
98.00	68.80	0.00#
65.00	23.30	79.08#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040119\

Quantitation Report (Qedit)

Data File : VU030602.D
Acq On : 31 Mar 2019 19:53
Operator : JC/SP
Sample : K2166-17ME
Misc : 5.49g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 01 02:12:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 02:05:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0N4ME

Manual Integrations APPROVED
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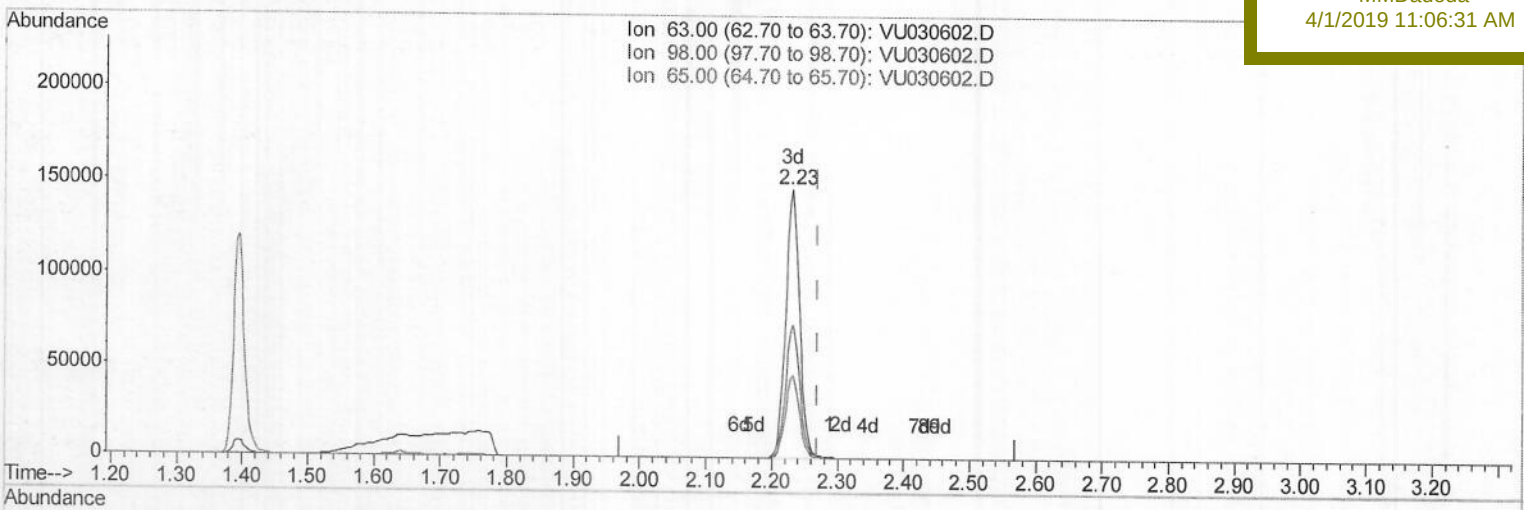
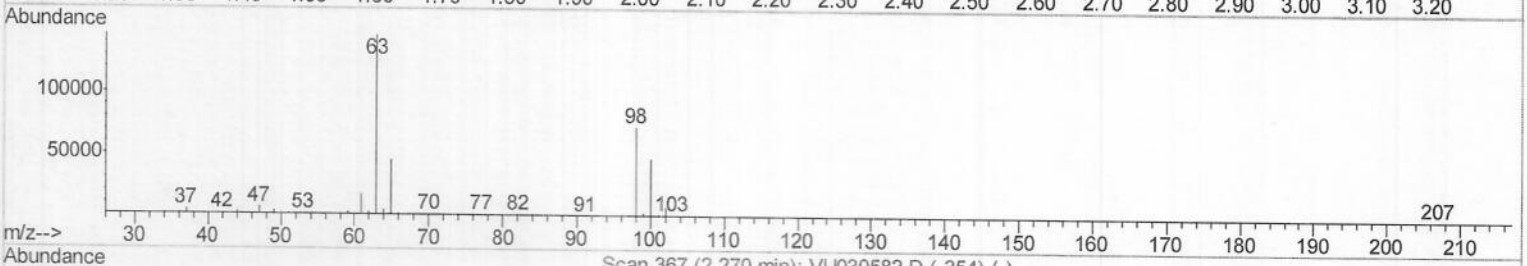
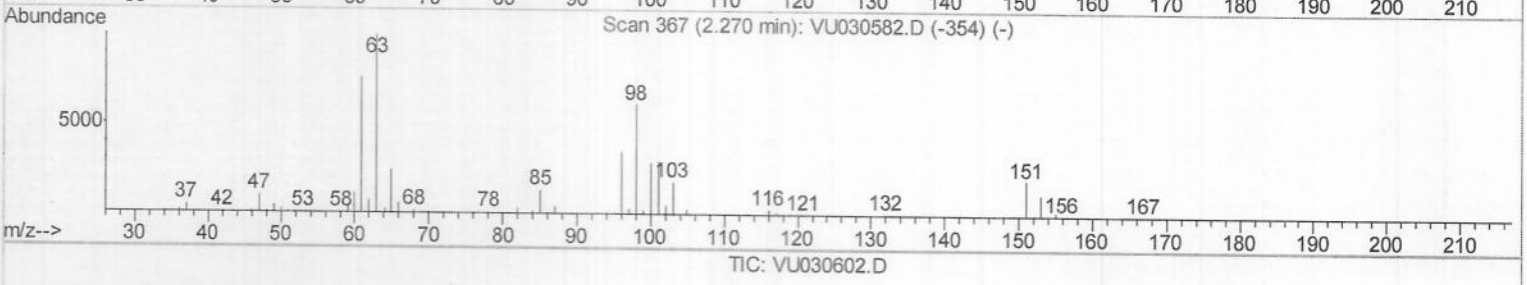
4/1/2019 11:06:31 AM







TIC: VU030602.D

(11) 1,1-Dichloroethene-d2 (S)
2.231min (-0.039) 30.86ug/L m
response 216482

Ion	Exp%	Act%
63.00	100	100
98.00	68.80	0.00#
65.00	23.30	0.09#
0.00	0.00	0.00

J M.D. 04/10/19

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040119\

Quantitation Report (QT Reviewed)

Data File : VU030602.D
Acq On : 31 Mar 2019 19:53
Operator : JC/SP
Sample : K2166-17ME
Misc : 5.49g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 01 04:15:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 02:05:14 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : BF0N4ME

Manual Integrations APPROVED
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4/1/2019 11:06:31 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	459520	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	458805	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	205112	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	137078	37.07	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 74.14%			
7) Chloroethane-d5	1.64	69	108932m	37.16	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 74.32%			
11) 1,1-Dichloroethene-d2	2.23	63	216482m	30.86	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 61.72%			
21) 2-Butanone-d5	4.19	46	293696	84.48	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 84.48%			
24) Chloroform-d	4.64	84	260163	40.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 81.66%			
26) 1,2-Dichloroethane-d4	5.30	65	186638	44.76	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.52%			
32) Benzene-d6	5.33	84	554654	42.16	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.32%			
36) 1,2-Dichloropropane-d6	6.32	67	193515	42.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 85.98%			
41) Toluene-d8	7.56	98	485434	41.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 82.16%			
43) trans-1,3-Dichloropropene-	7.85	79	84844	40.08	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.16%			
47) 2-Hexanone-d5	8.32	63	210517	86.30	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery = 86.30%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	301963	46.88	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 93.76%			
64) 1,2-Dichlorobenzene-d4	11.86	152	191667	46.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.28%			
Target Compounds						Qvalue
46) Tetrachloroethene	8.22	164	21587	8.050	ug/L	94

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

M.D. 02/10/19