Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

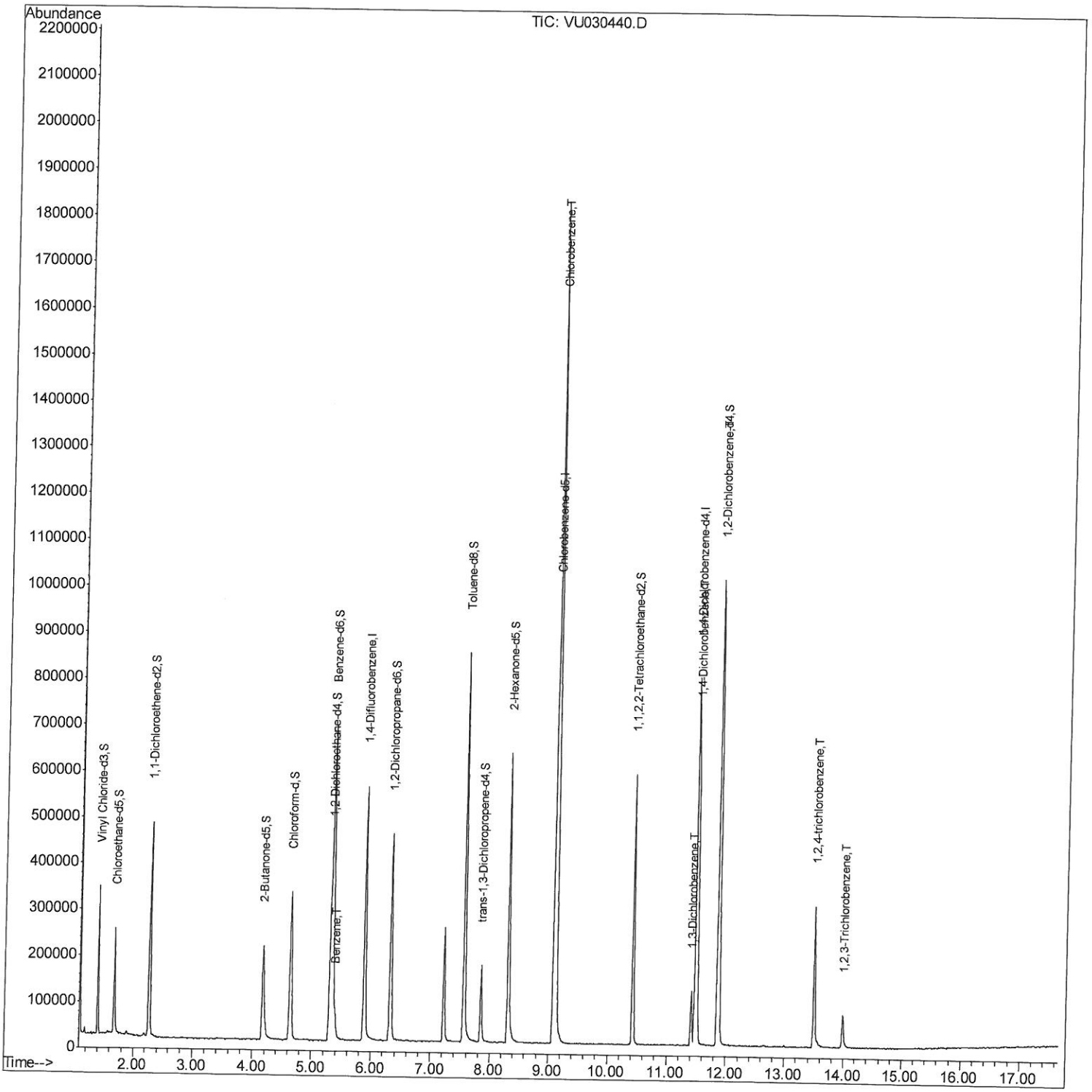
Quantitation Report (QT Reviewed)

Data File : VU030440.D
Acq On : 26 Mar 2019 13:34
Operator : JC/SP
Sample : K2070-16 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 27 05:25:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 04:29:49 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C09E2

Manual Integrations APPROVED
MMDadoda
3/27/2019 9:55:30 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

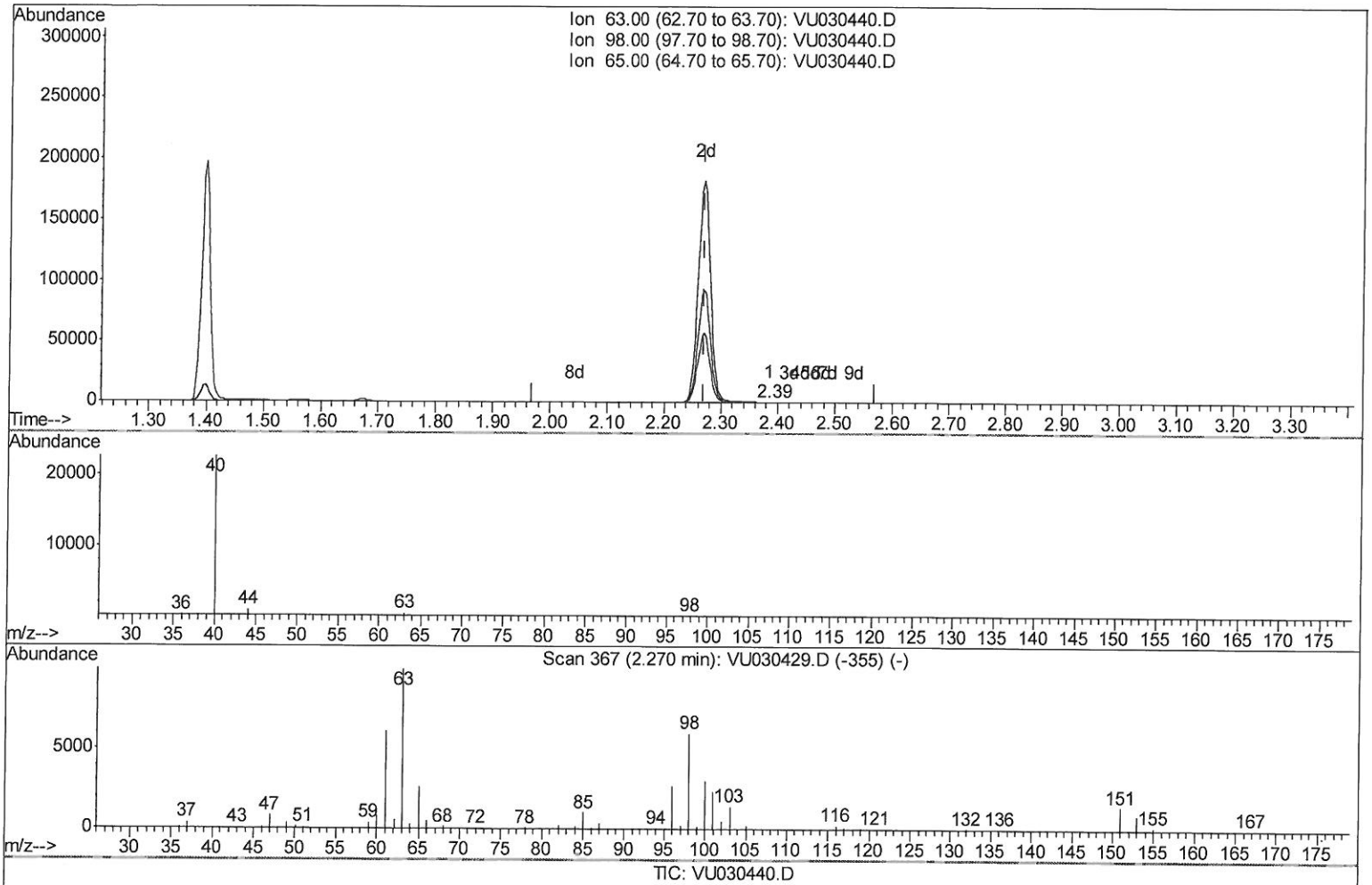
Quantitation Report (Qedit)

Data File : VU030440.D
Acq On : 26 Mar 2019 13:34
Operator : JC/SP
Sample : K2070-16 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 27 04:34:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 04:29:49 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C09E2

Manual Integrations APPROVED
MMDadoda
3/27/2019 9:55:30 AM



TIC: VU030440.D

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

2.386min (+0.116) 0.07ug/L

response 477

Ion	Exp%	Act%
63.00	100	100
98.00	68.80	48.43
65.00	23.30	26.21
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

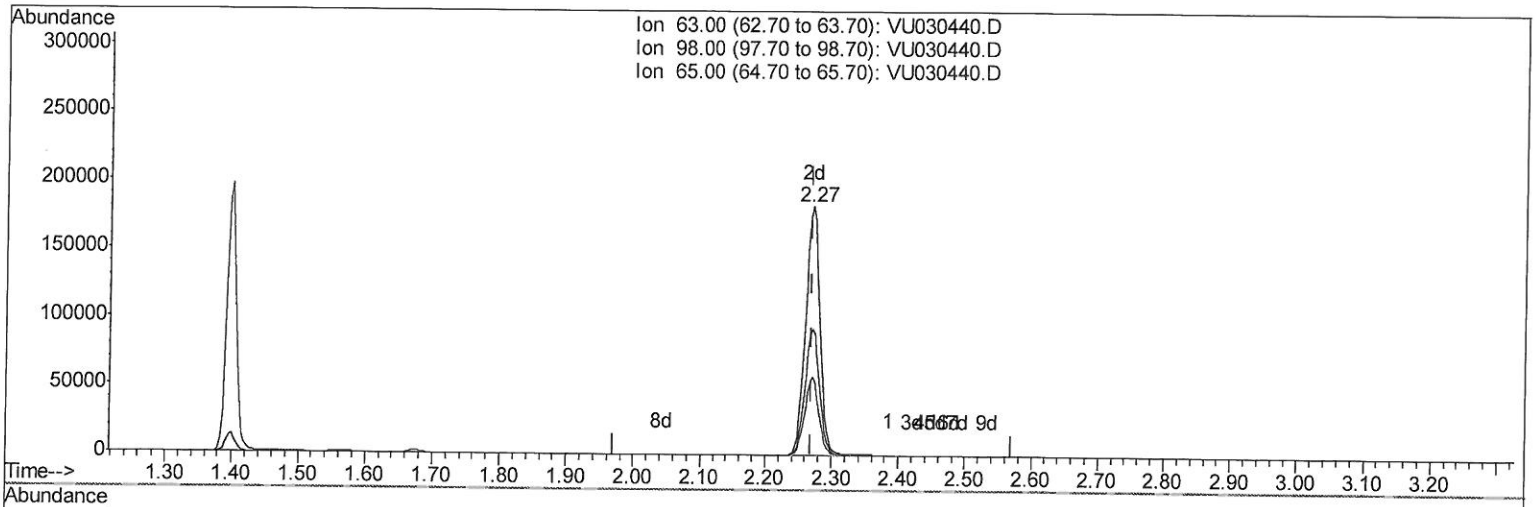
Quantitation Report (Qedit)

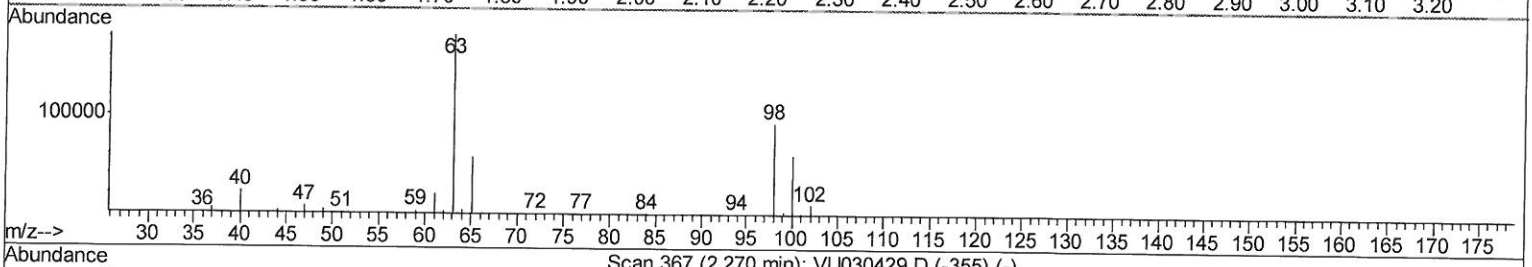
Data File : VU030440.D
Acq On : 26 Mar 2019 13:34
Operator : JC/SP
Sample : K2070-16 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

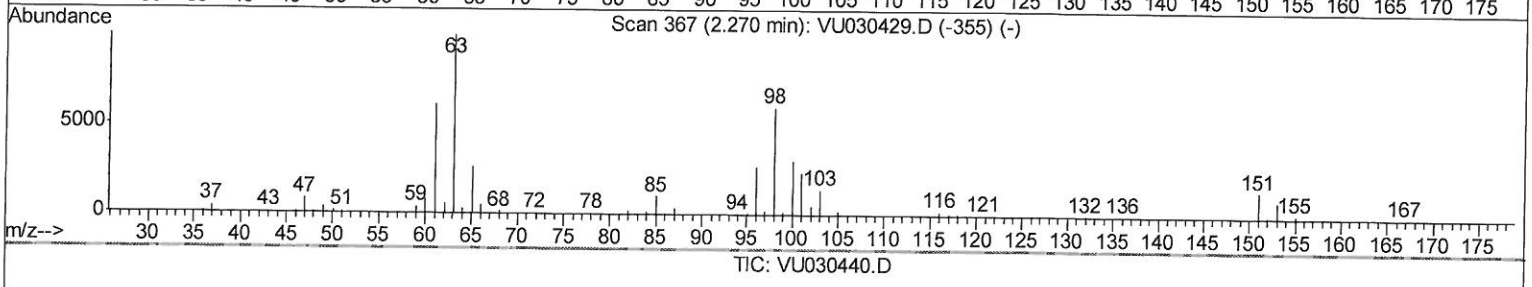
Quant Time: Mar 27 04:34:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 04:29:49 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C09E2

Manual Integrations APPROVED
MMDadoda
3/27/2019 9:55:30 AM







TIC: VU030440.D

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

2.270min (-0.000) 39.76ug/L m

response 275996

Ion	Exp%	Act%
63.00	100	100
98.00	68.80	0.08#
65.00	23.30	0.05#
0.00	0.00	0.00

7 MD 3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

Quantitation Report (QT Reviewed)

Data File : VU030440.D
Acq On : 26 Mar 2019 13:34
Operator : JC/SP
Sample : K2070-16 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09E2

Manual Integrations APPROVED
MMDadoda
3/27/2019 9:55:30 AM

Quant Time: Mar 27 05:25:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 04:29:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	454694	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	443377	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	183593	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	198128	54.14	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 108.28%			
7) Chloroethane-d5	1.68	69	157514	54.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.62%			
11) 1,1-Dichloroethene-d2	2.27	63	275996m	39.76	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.52%			
21) 2-Butanone-d5	4.17	46	350499	101.89	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.89%			
24) Chloroform-d	4.64	84	322069	51.08	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.16%			
26) 1,2-Dichloroethane-d4	5.31	65	217638	52.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.50%			
32) Benzene-d6	5.34	84	664715	52.28	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.56%			
36) 1,2-Dichloropropane-d6	6.33	67	232300	53.40	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 106.80%			
41) Toluene-d8	7.56	98	567848	49.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.46%			
43) trans-1,3-Dichloropropene-	7.85	79	98196	48.00	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.00%			
47) 2-Hexanone-d5	8.31	63	223577	94.84	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 94.84%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302507	48.59	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.18%			
64) 1,2-Dichlorobenzene-d4	11.86	152	196595	53.44	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.88%			
Target Compounds						Qvalue
33) Benzene	5.39	78	58608	3.883	ug/L	100
51) Chlorobenzene	9.12	112	944548	99.496	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	47708	7.946	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	219167	35.458	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	283343	46.672	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	99179	25.396	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	27906	6.767	ug/L	91

MD 3/27/19

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