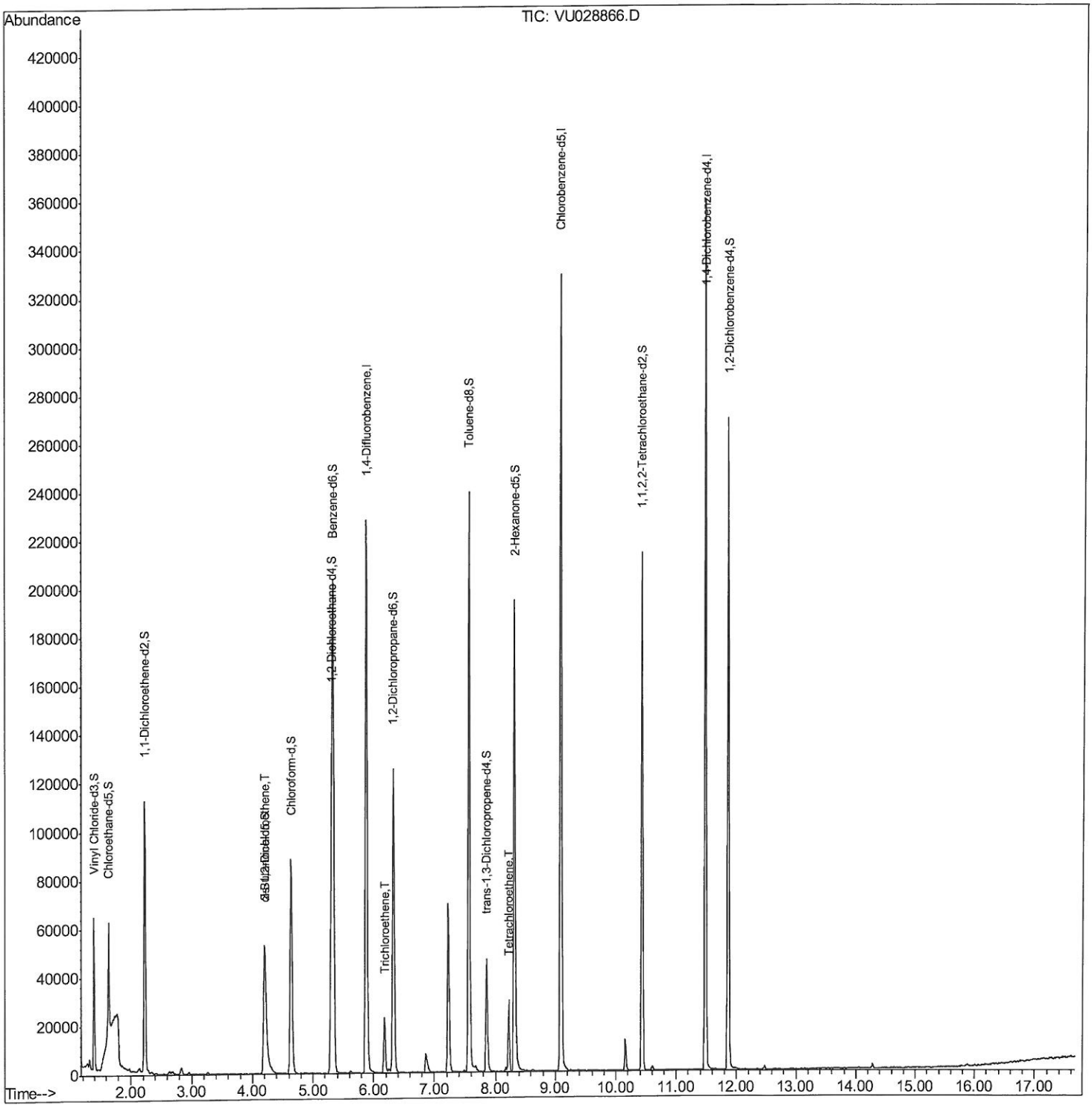
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028866.D
Acq On : 21 Dec 2018 12:08
Operator : MD/SY
Sample : J6468-09ME
Misc : 3.58g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 21 23:54:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 23:27:40 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0JG7ME

Manual Integrations APPROVED
MMDadoda
12/24/2018 11:20:28 AM



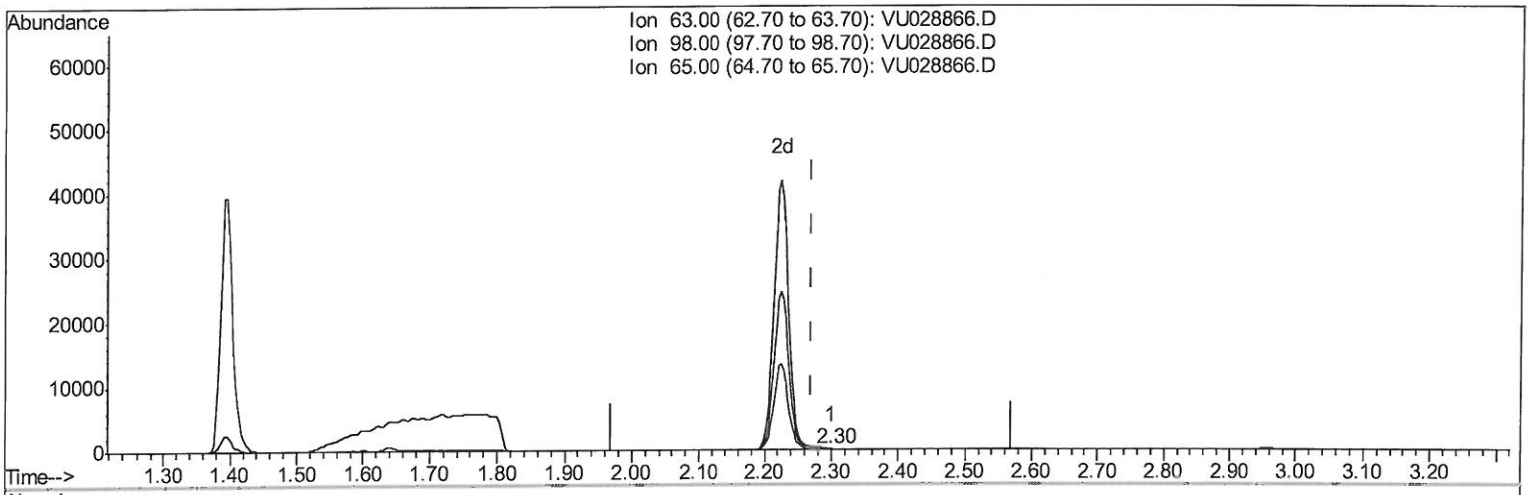
Quantitation Report (Qedit)

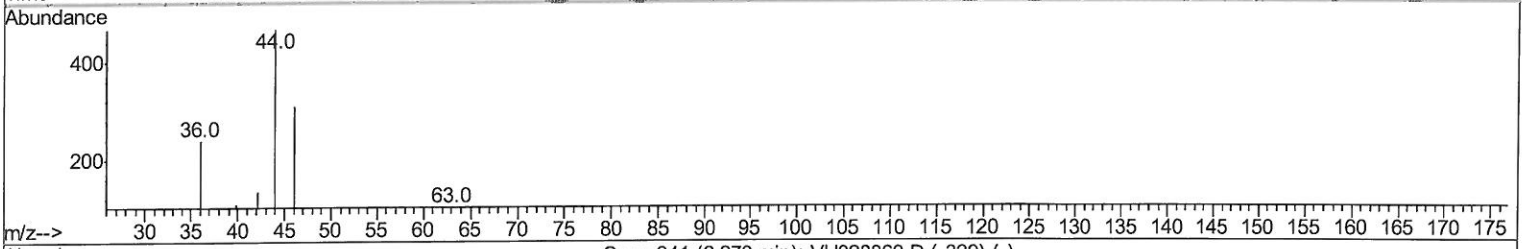
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028866.D
Acq On : 21 Dec 2018 12:08
Operator : MD/SY
Sample : J6468-09ME
Misc : 3.58g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

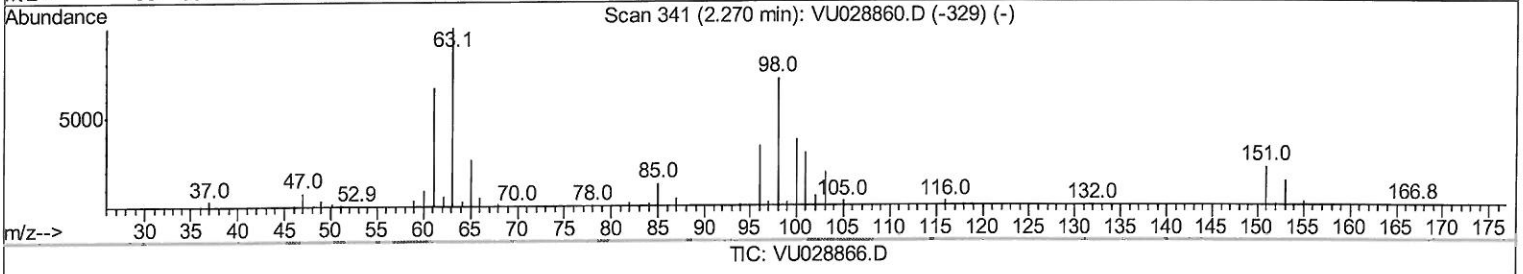
Quant Time: Dec 21 23:31:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 23:27:40 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0JG7ME

Manual Integrations APPROVED
MMDadoda
12/24/2018 11:20:28 AM







TIC: VU028866.D

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

2.299min (+0.029) 0.01ug/L

response 39

Ion	Exp%	Act%
63.00	100	100
98.00	73.60	0.00#
65.00	24.00	0.00#
0.00	0.00	0.00

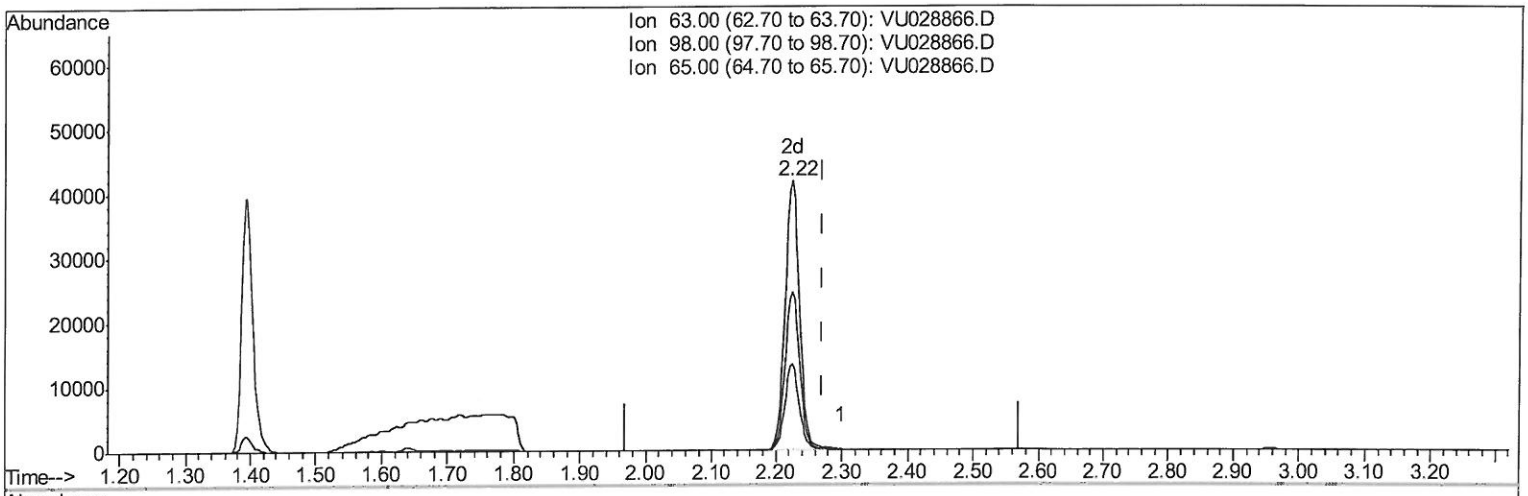
Quantitation Report (Qedit)

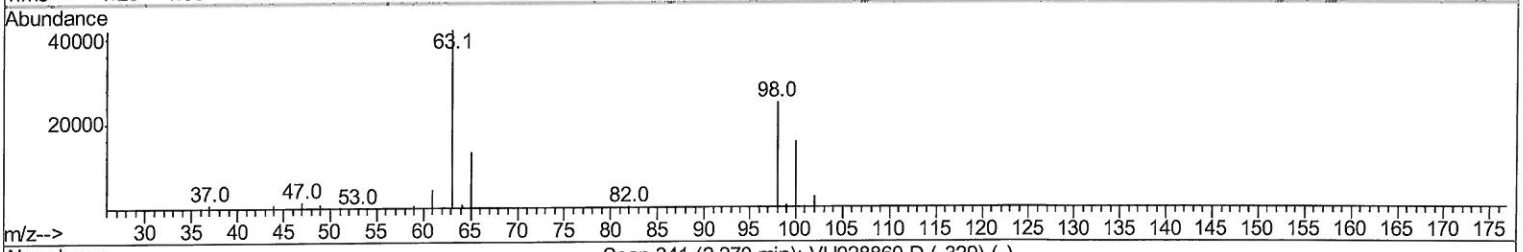
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028866.D
Acq On : 21 Dec 2018 12:08
Operator : MD/SY
Sample : J6468-09ME
Misc : 3.58g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

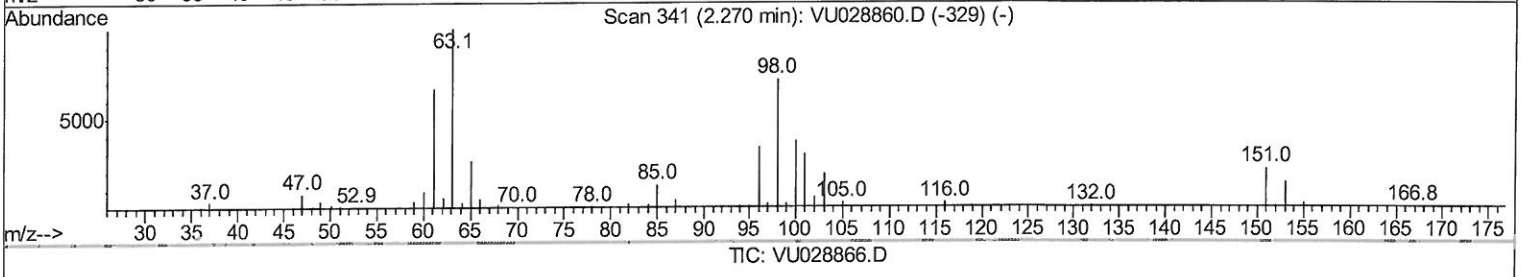
Quant Time: Dec 21 23:31:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 23:27:40 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0JG7ME

Manual Integrations APPROVED
MMDadoda
12/24/2018 11:20:28 AM







TIC: VU028866.D

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

2.225min (-0.045) 22.99ug/L m

response 63883

> MD 12/26/18

Ion	Exp%	Act%
63.00	100	100
98.00	73.60	0.00#
65.00	24.00	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028866.D
Acq On : 21 Dec 2018 12:08
Operator : MD/SY
Sample : J6468-09ME
Misc : 3.58g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JG7ME

Manual Integrations APPROVED
MMDadoda
12/24/2018 11:20:28 AM

Quant Time: Dec 21 23:54:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 23:27:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	206145	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	201452	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93928	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	48250	29.20	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 58.40%#			
7) Chloroethane-d5	1.64	69	29156	22.84	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 45.68%#			
11) 1,1-Dichloroethene-d2	2.22	63	63883m	22.99	ug/L	-0.05
Spiked Amount 50.000	Range 60 - 125		Recovery = 45.98%#			
21) 2-Butanone-d5	4.20	46	95965	82.88	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 82.88%			
24) Chloroform-d	4.64	84	93256	35.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 71.76%			
26) 1,2-Dichloroethane-d4	5.30	65	59251	36.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 73.98%			
32) Benzene-d6	5.33	84	196134	34.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 68.92%#			
36) 1,2-Dichloropropane-d6	6.33	67	69623	36.01	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 72.02%			
41) Toluene-d8	7.56	98	169523	32.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 65.74%#			
43) trans-1,3-Dichloropropene-	7.85	79	31009	35.79	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.58%			
47) 2-Hexanone-d5	8.32	63	82101	89.41	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery = 89.41%			
57) 1,1,2,2-Tetrachloroethane-	10.44	84	113377	42.27	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 84.54%			
64) 1,2-Dichlorobenzene-d4	11.86	152	71947	37.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 75.74%#			
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	4.22	96	8022	4.945	ug/L	99
34) Trichloroethene	6.18	95	8488	5.482	ug/L	97
46) Tetrachloroethene	8.22	164	7156	6.001	ug/L	96

MD 12/26/18

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