Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040919\

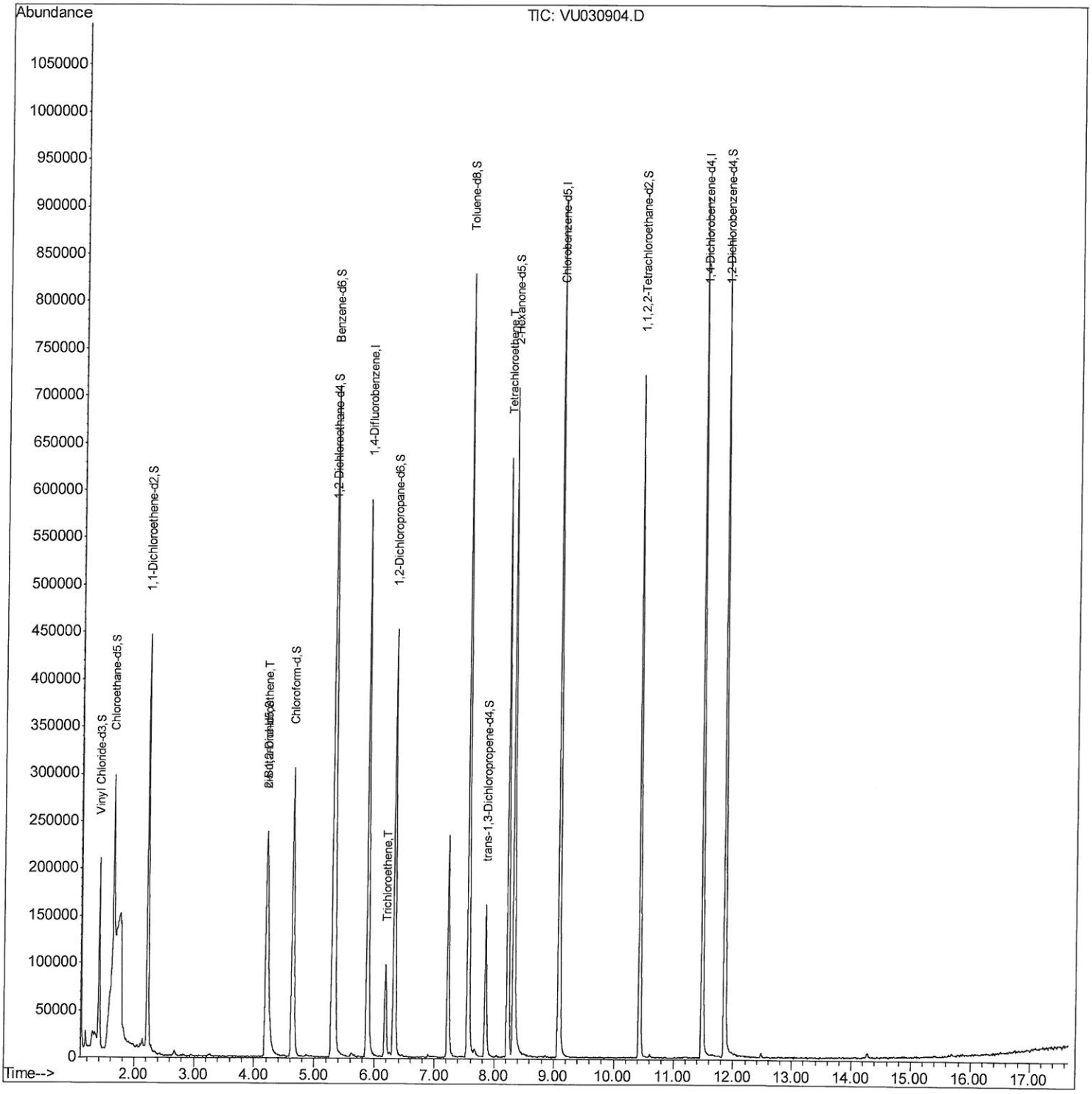
Quantitation Report (QT Reviewed)

Data File : VU030904.D
Acq On : 08 Apr 2019 14:38
Operator : JC/SP
Sample : K2277-20ME
Misc : 5.16g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 09 02:59:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 09 02:16:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF2R4ME

Manual Integrations APPROVED
MMDadoda
4/9/2019 11:05:41 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040919\

Quantitation Report (Qedit)

Data File : VU030904.D
Acq On : 08 Apr 2019 14:38
Operator : JC/SP
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ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 09 02:21:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 09 02:16:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
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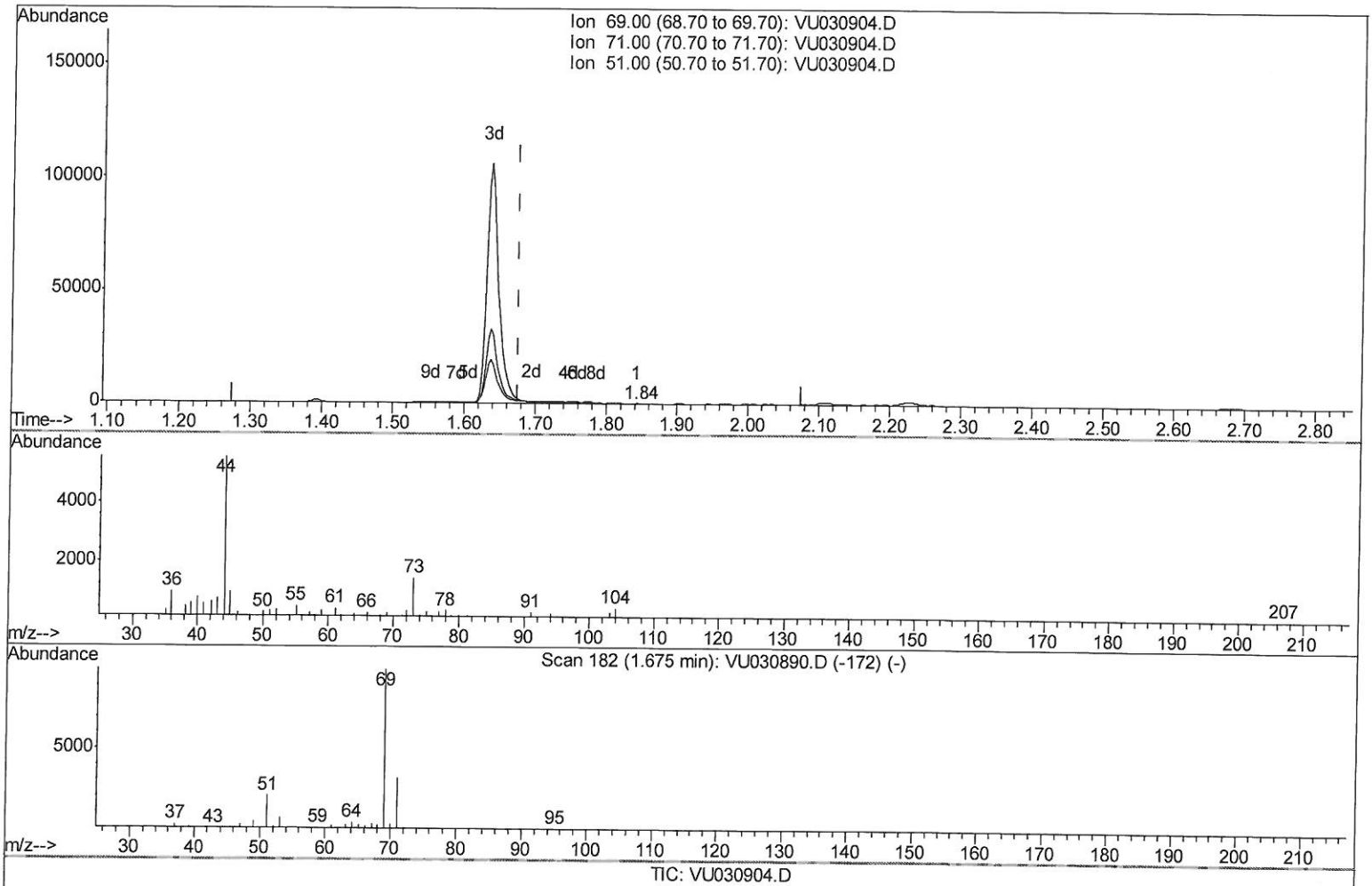
Manual Integrations APPROVED
MMDadoda
4/9/2019 11:05:41 AM



TIC: VU030904.D

(7) Chloroethane-d5 (S)

1.842min (+0.167) 0.08ug/L

response 257

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	25.68
51.00	27.70	22.18
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040919\

Quantitation Report (Qedit)

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MSVOA_U
ClientSampleId :
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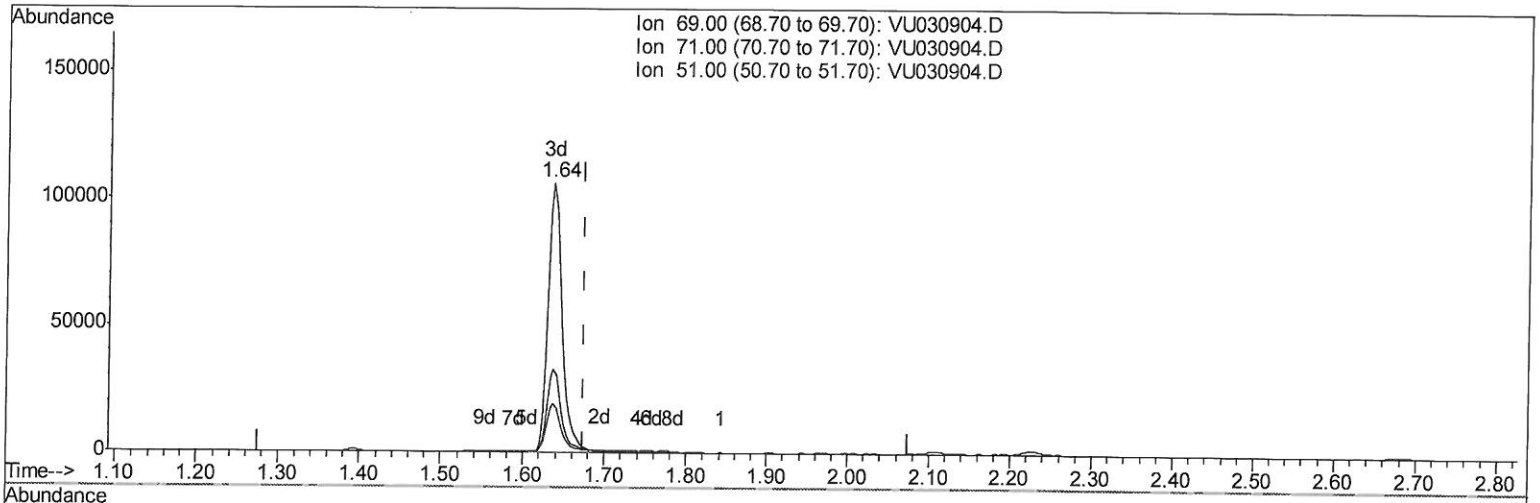
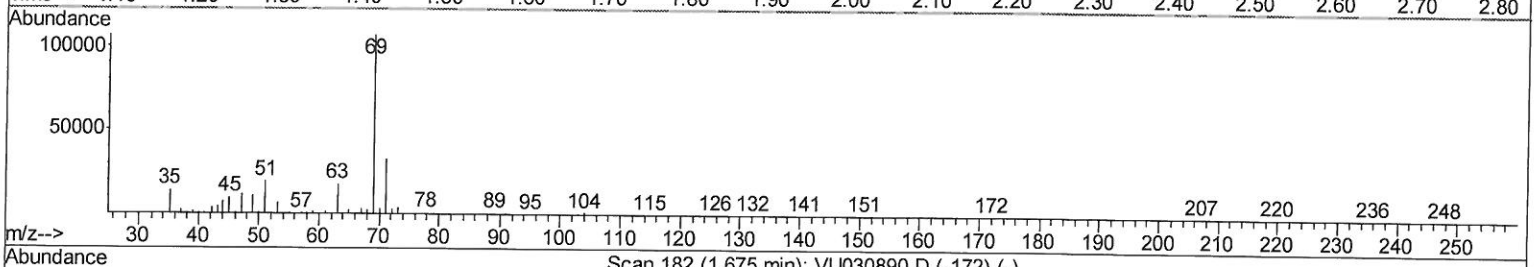
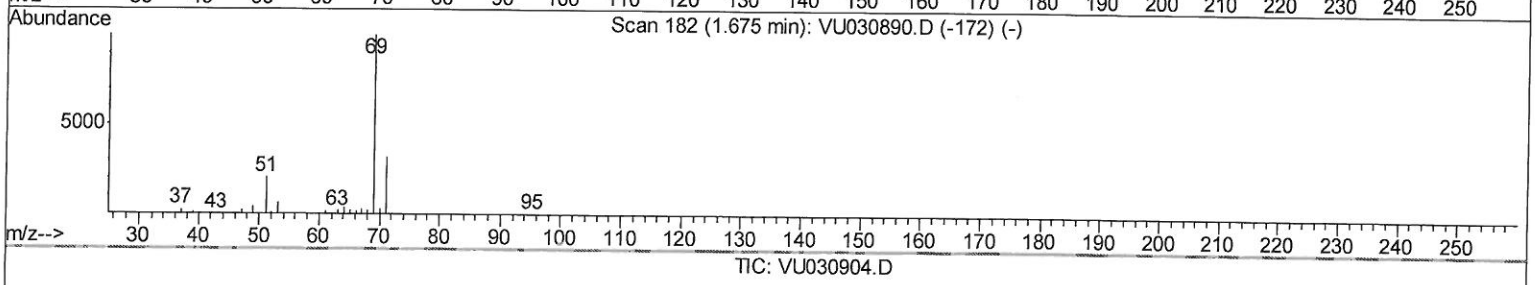
Manual Integrations APPROVED
MMDadoda
4/9/2019 11:05:41 AM







TIC: VU030904.D

(7) Chloroethane-d5 (S)

1.637min (-0.039) 37.09ug/L m

response 125579

7MD 4/10/19

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	0.05#
51.00	27.70	0.05#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040919\

Quantitation Report (QT Reviewed)

Data File : VU030904.D
Acq On : 08 Apr 2019 14:38
Operator : JC/SP
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Quant Title : VOC Analysis
QLast Update : Tue Apr 09 02:16:31 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : BF2R4ME

Manual Integrations APPROVED
MMDadoda
4/9/2019 11:05:41 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	499740	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	502760	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	229677	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	160854	36.06	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 72.12%			
7) Chloroethane-d5	1.64	69	125579m	37.09	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 74.18%			
11) 1,1-Dichloroethene-d2	2.22	63	261288	32.38	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 64.76%			
21) 2-Butanone-d5	4.20	46	359004	101.54	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.54%			
24) Chloroform-d	4.64	84	317908	46.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.30%			
26) 1,2-Dichloroethane-d4	5.30	65	237069	50.98	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.96%			
32) Benzene-d6	5.33	84	658122	44.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.68%			
36) 1,2-Dichloropropane-d6	6.32	67	236405	47.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 94.00%			
41) Toluene-d8	7.56	98	566301	43.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 87.06%			
43) trans-1,3-Dichloropropene-	7.85	79	101899	44.43	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.86%			
47) 2-Hexanone-d5	8.32	63	257800	112.14	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery = 112.14%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	366281	53.99	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 107.98%			
64) 1,2-Dichlorobenzene-d4	11.86	152	228859	50.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.34%			

Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	4.21	96	49479	12.217	ug/L	85
34) Trichloroethene	6.18	95	36767	9.111	ug/L	98
46) Tetrachloroethene	8.22	164	141554	48.250	ug/L	99

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

> MD 4/10/19