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

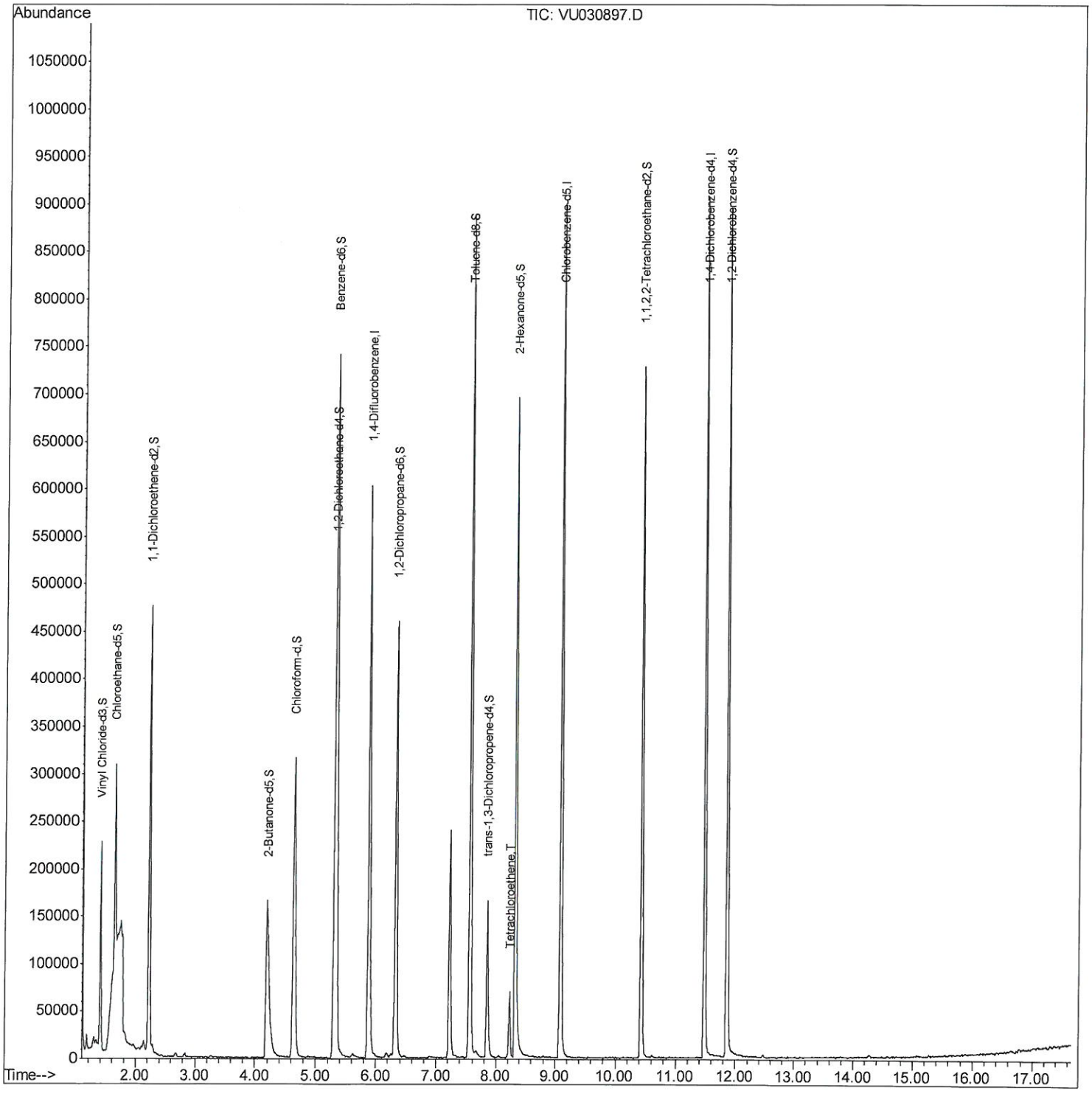
Quantitation Report (QT Reviewed)

Data File : VU030897.D
Acq On : 08 Apr 2019 11:56
Operator : JC/SP
Sample : K2215-09ME
Misc : 5.43g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 09 02:34:22 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 :
BF2N0ME

Manual Integrations APPROVED
MMDadoda
4/9/2019 11:03:35 AM



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

Quantitation Report (Qedit)

Data File : VU030897.D
Acq On : 08 Apr 2019 11:56
Operator : JC/SP
Sample : K2215-09ME
Misc : 5.43g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 09 02:19:35 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 :
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ClientSampleId :
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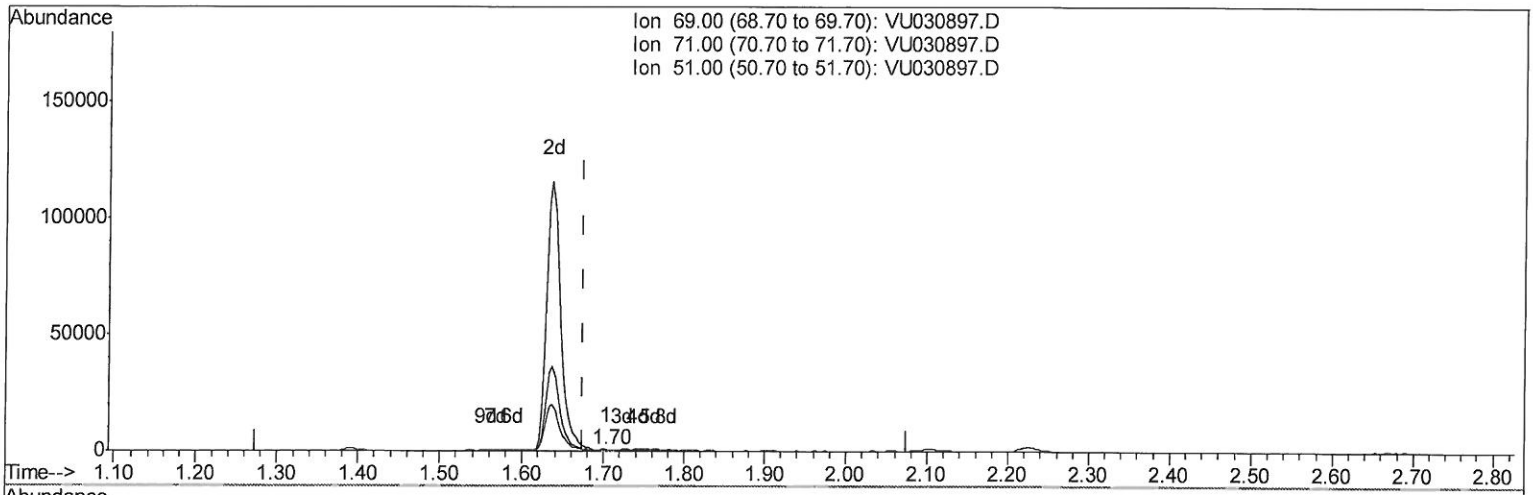
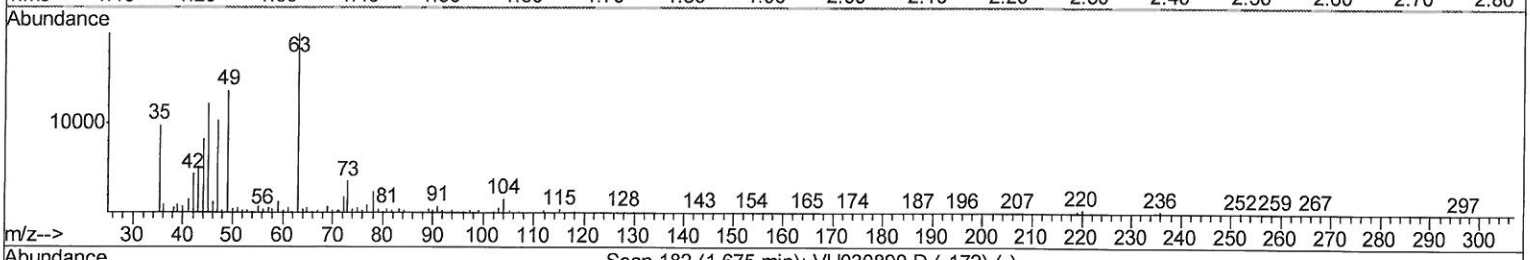
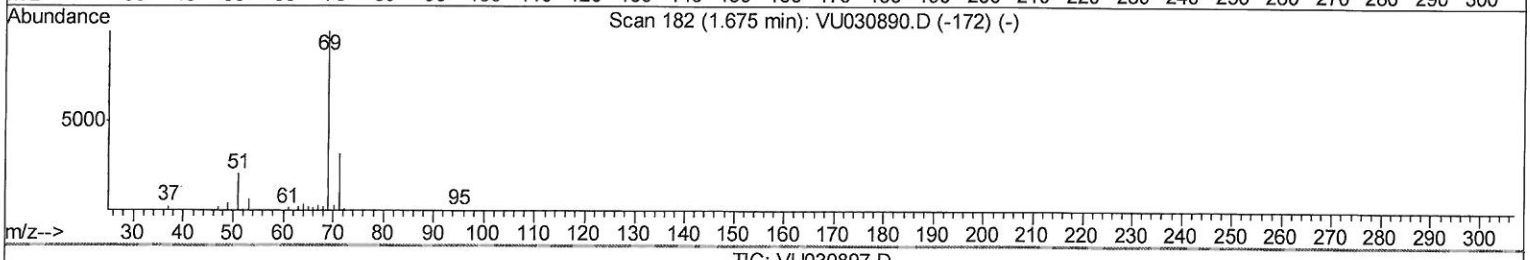
Manual Integrations APPROVED
MMDadoda
4/9/2019 11:03:35 AM







TIC: VU030897.D

(7) Chloroethane-d5 (S)

1.704min (+0.029) 0.17ug/L

response 592

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	18.07#
51.00	27.70	138.01#
0.00	0.00	0.00

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

Quantitation Report (Qedit)

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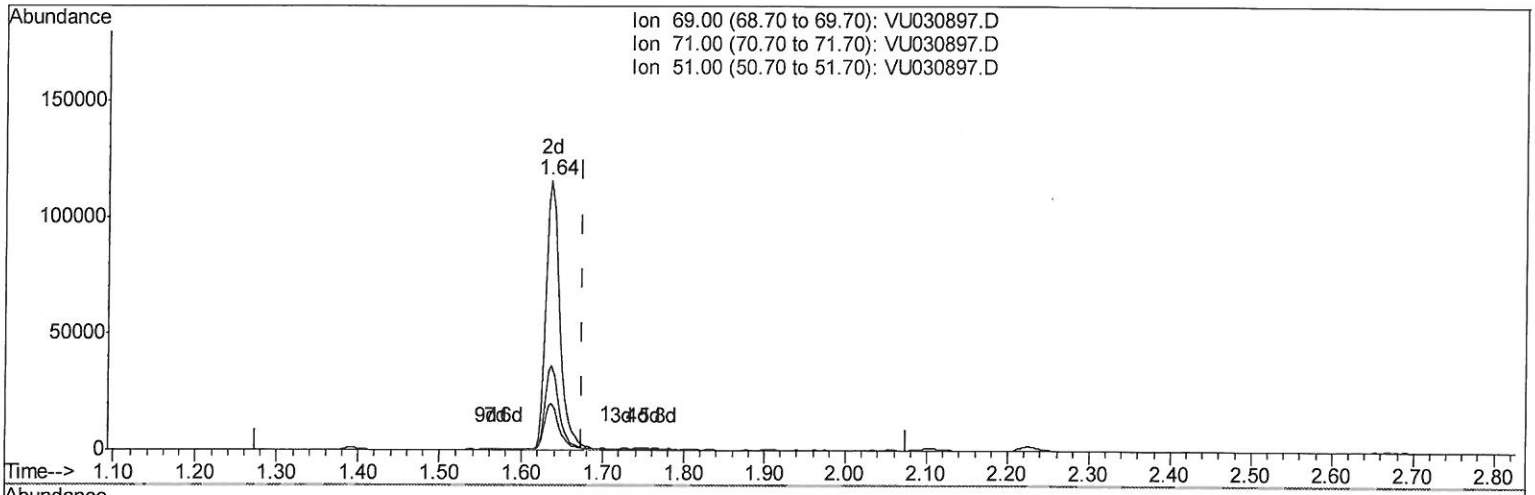
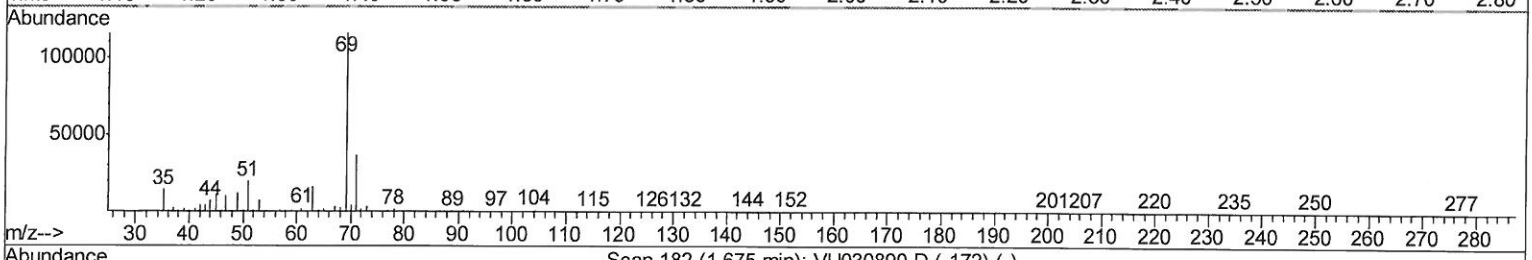
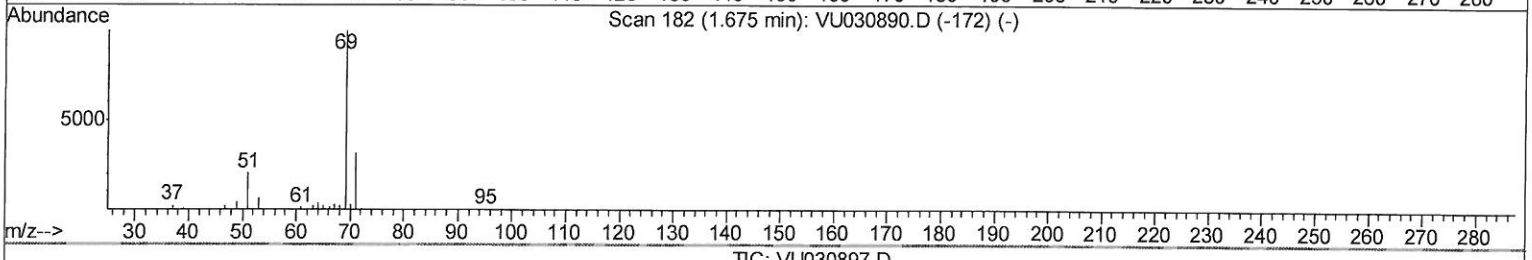
Quant Title : VOC Analysis
QLast Update : Tue Apr 09 02:16:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF2N0ME

Manual Integrations APPROVED
MMDadoda
4/9/2019 11:03:35 AM







TIC: VU030897.D

(7) Chloroethane-d5 (S)

1.637min (-0.038) 39.63ug/L m

response 136745

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	0.08#
51.00	27.70	0.60#
0.00	0.00	0.00

JMD 4/10/19

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

Quantitation Report (QT Reviewed)

Data File : VU030897.D
Acq On : 08 Apr 2019 11:56
Operator : JC/SP
Sample : K2215-09ME
Misc : 5.43g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 09 02:34:22 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 : BF2N0ME

Manual Integrations APPROVED
MMDadoda
4/9/2019 11:03:35 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	509227	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	510093	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	229124	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	172279	37.90	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 75.80%			
7) Chloroethane-d5	1.64	69	136745m	39.63	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.26%			
11) 1,1-Dichloroethene-d2	2.23	63	285319	34.70	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.40%			
21) 2-Butanone-d5	4.19	46	351670	97.61	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 97.61%			
24) Chloroform-d	4.64	84	333850	48.08	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.16%			
26) 1,2-Dichloroethane-d4	5.30	65	244099	51.52	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.04%			
32) Benzene-d6	5.33	84	699760	46.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.98%			
36) 1,2-Dichloropropane-d6	6.32	67	245129	48.03	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.06%			
41) Toluene-d8	7.56	98	598222	45.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.64%			
43) trans-1,3-Dichloropropene-	7.85	79	108296	46.54	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.08%			
47) 2-Hexanone-d5	8.32	63	253077	108.50	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery = 108.50%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	372168	54.07	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 108.14%			
64) 1,2-Dichlorobenzene-d4	11.86	152	229444	50.92	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.84%			
Target Compounds						Qvalue
46) Tetrachloroethene	8.22	164	15704	5.276	ug/L	93

MD 4/10/19

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