Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

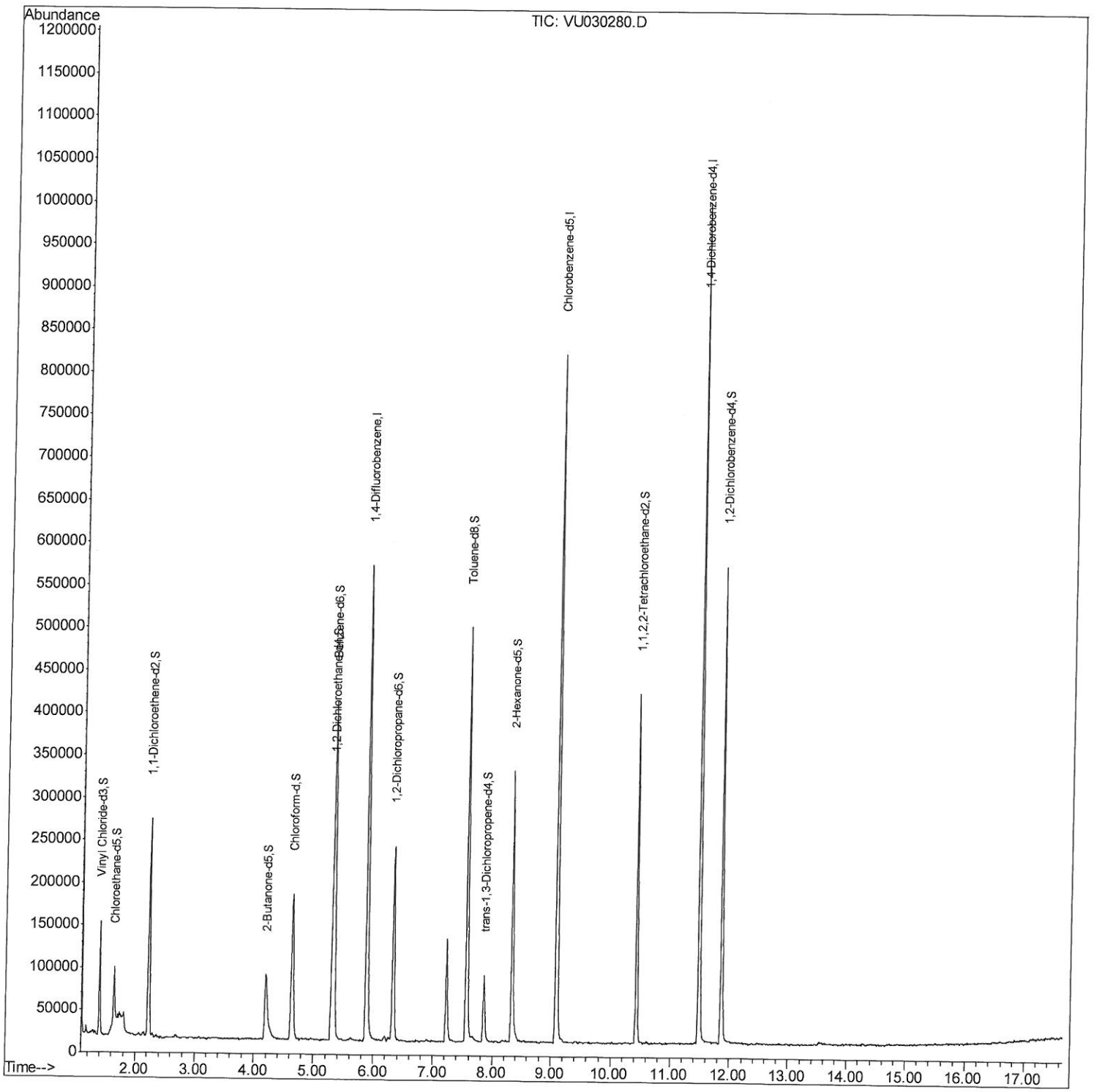
Quantitation Report (QT Reviewed)

Data File : VU030280.D
Acq On : 21 Mar 2019 20:52
Operator : JC/SP
Sample : K2017-12
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 22 06:03:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0D8

Manual Integrations APPROVED
MMDadoda
3/22/2019 1:05:56 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

Quantitation Report (Qedit)

Data File : VU030280.D
Acq On : 21 Mar 2019 20:52
Operator : JC/SP
Sample : K2017-12
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 22 05:19:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
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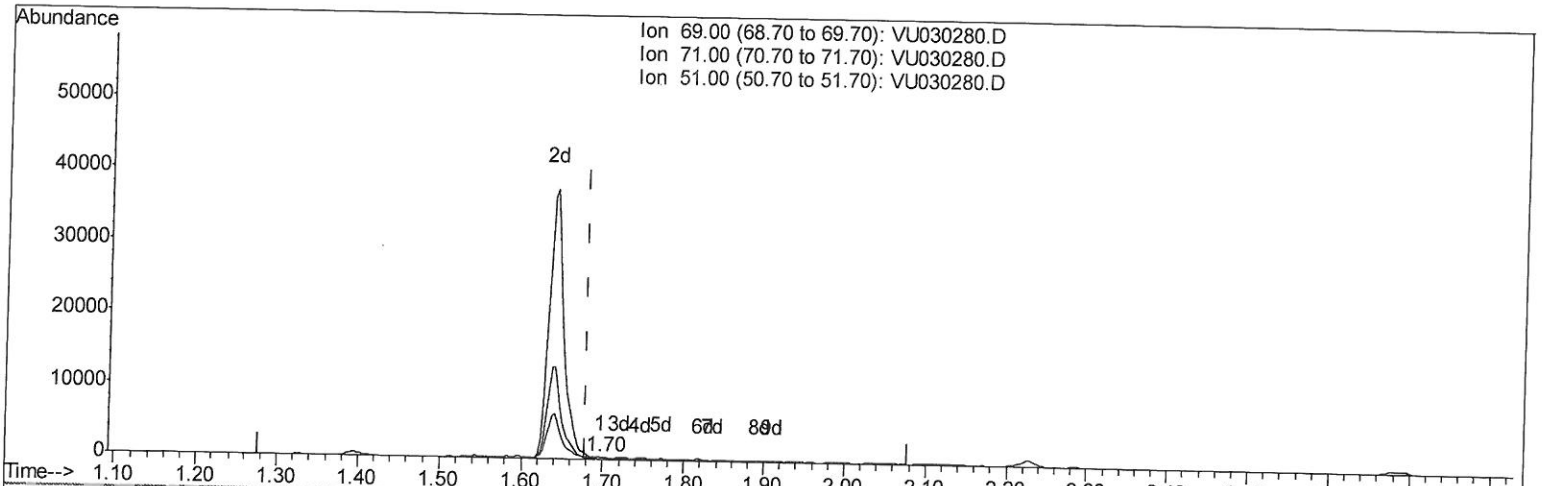
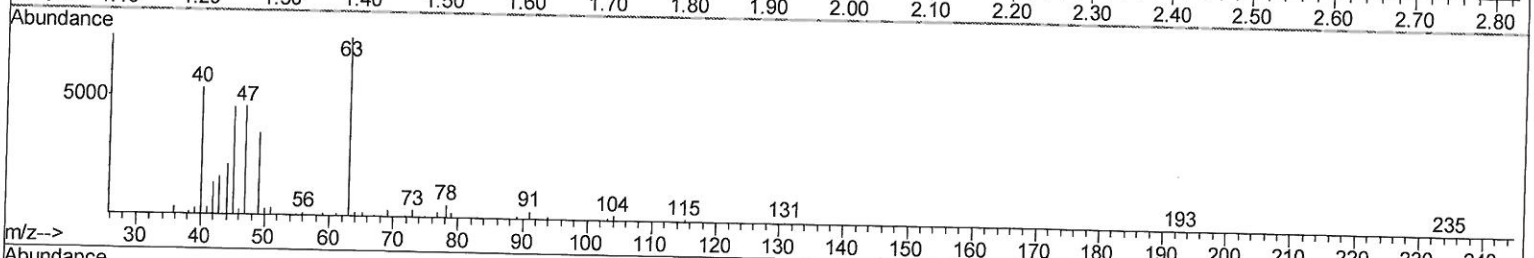
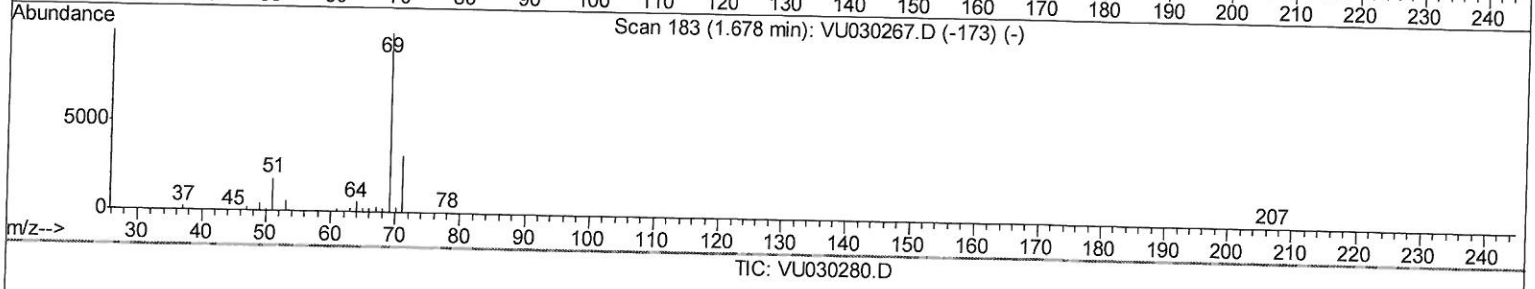
Manual Integrations APPROVED
MMDadoda
3/22/2019 1:05:56 PM







TIC: VU030280.D

(7) Chloroethane-d5 (S)

1.698min (+0.019) 0.06ug/L

response 163

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	72.39#
51.00	24.00	90.18#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

Quantitation Report (Qedit)

Data File : VU030280.D
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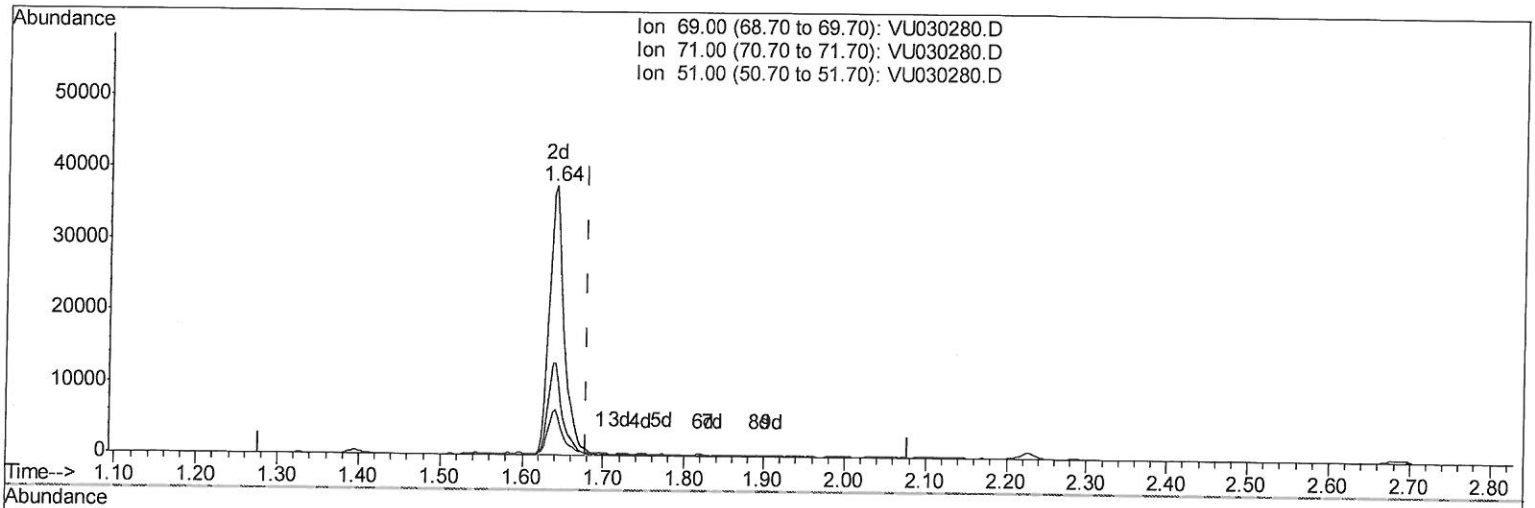
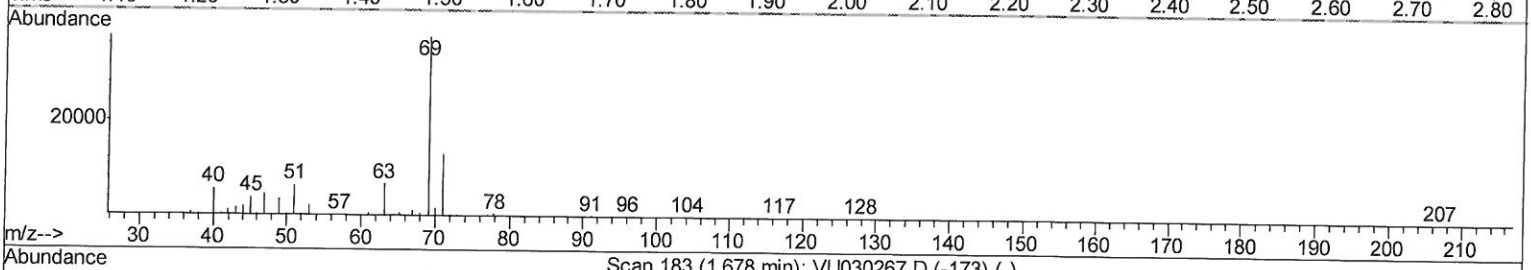
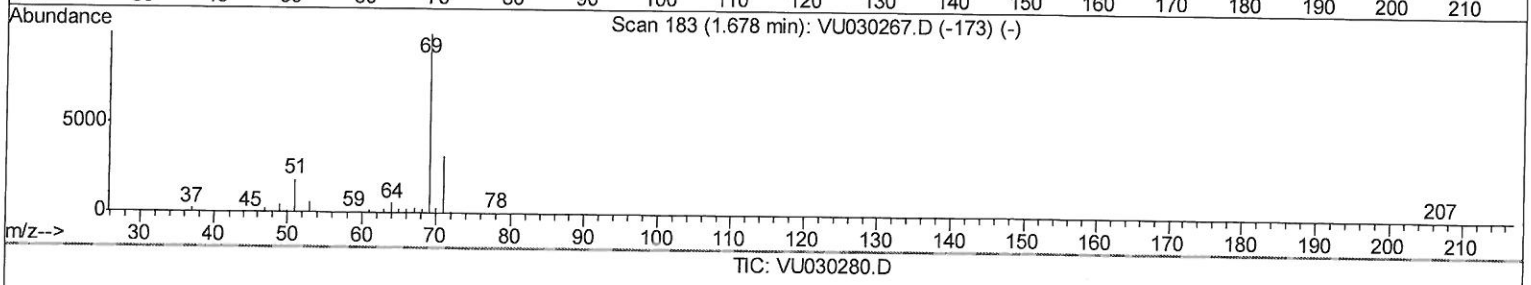
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0D8

Manual Integrations APPROVED
MMDadoda
3/22/2019 1:05:56 PM







TIC: VU030280.D

(7) Chloroethane-d5 (S)

1.640min (-0.038) 16.20ug/L m

response 47166

> MB 3/27/19

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	0.25#
51.00	24.00	0.31#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

Quantitation Report (QT Reviewed)

Data File : VU030280.D
Acq On : 21 Mar 2019 20:52
Operator : JC/SP
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Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : BF0D8

Manual Integrations APPROVED
MMDadoda
3/22/2019 1:05:56 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	538416	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	542185	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	280491	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	104927	28.82	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 57.64%#			
7) Chloroethane-d5	1.64	69	47166m	16.20	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 32.40%#			
11) 1,1-Dichloroethene-d2	2.23	63	145903	21.97	ug/L	-0.05
Spiked Amount 50.000	Range 60 - 125		Recovery = 43.94%#			
21) 2-Butanone-d5	4.20	46	158567	58.71	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 58.71%			
24) Chloroform-d	4.64	84	189334	28.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 56.68%#			
26) 1,2-Dichloroethane-d4	5.30	65	116343	30.53	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 61.06%#			
32) Benzene-d6	5.33	84	411093	28.77	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 57.54%#			
36) 1,2-Dichloropropane-d6	6.32	67	130601	29.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 59.08%#			
41) Toluene-d8	7.56	98	368057	27.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 54.80%#			
43) trans-1,3-Dichloropropene-	7.85	79	55915	25.97	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 51.94%#			
47) 2-Hexanone-d5	8.32	63	140950	61.48	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery = 61.48%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	212859	31.39	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 62.78%#			
64) 1,2-Dichlorobenzene-d4	11.86	152	167483	29.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 59.48%#			

Target Compounds Qvalue

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

7 MLO 3/27/19