Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040719\

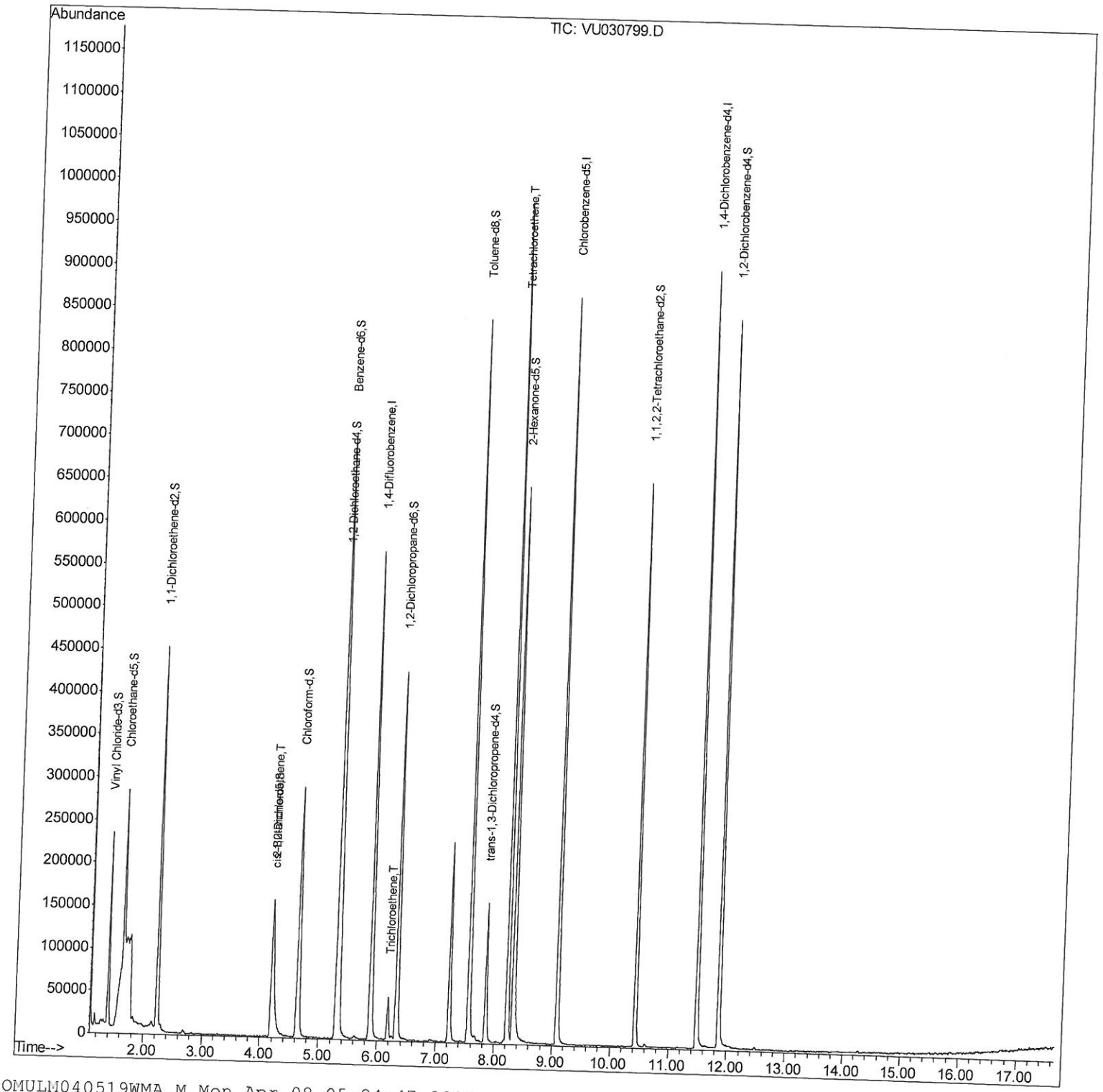
Data File : VU030799.D
Acq On : 06 Apr 2019 14:45
Operator : JC/SP
Sample : K2167-09ME
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Quantitation Report (QT Reviewed)

Quant Time: Apr 08 05:26:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 05:01:06 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF110ME

Manual Integrations APPROVED
MMDadoda
4/8/2019 3:12:31 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040719\

Quantitation Report (Qedit)

Data File : VU030799.D
Acq On : 06 Apr 2019 14:45
Operator : JC/SP
Sample : K2167-09ME
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 08 05:05:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 05:01:06 2019
Response via : Initial Calibration

Instrument :
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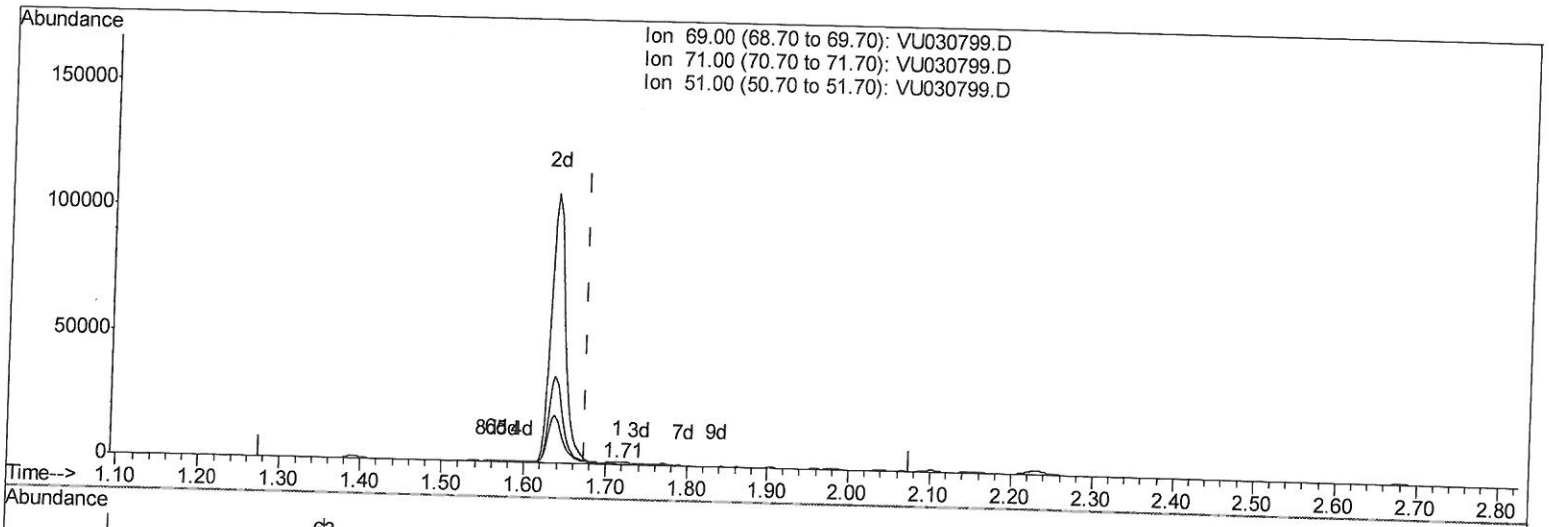
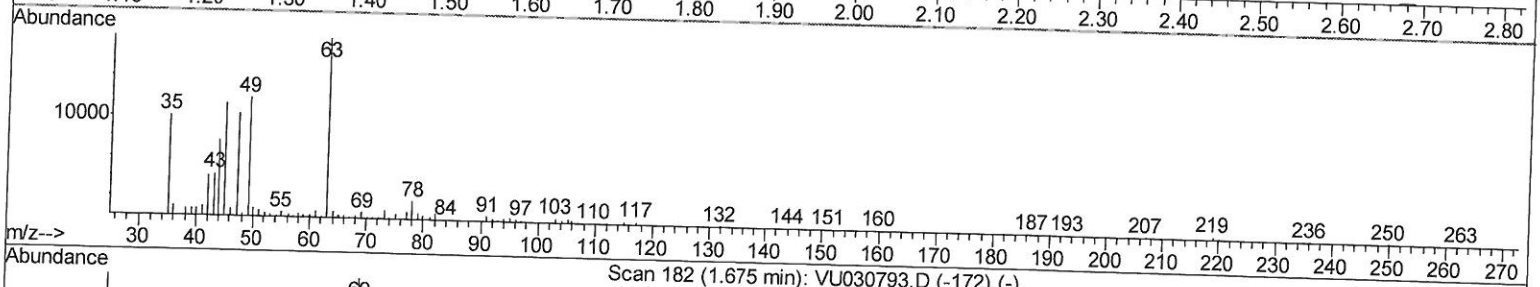
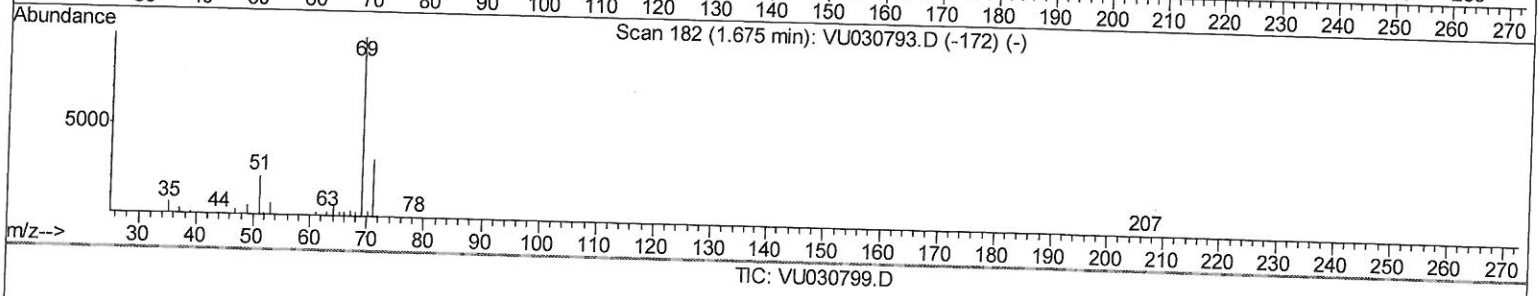
ClientSampleId :
BF110ME

Manual Integrations APPROVED
MMDadoda
4/8/2019 3:12:31 PM







TIC: VU030799.D

(7) Chloroethane-d5 (S)

1.714min (+0.039) 0.10ug/L

response 329

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	97.26#
51.00	27.70	81.16#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040719\

Quantitation Report (Qedit)

Data File : VU030799.D
Acq On : 06 Apr 2019 14:45
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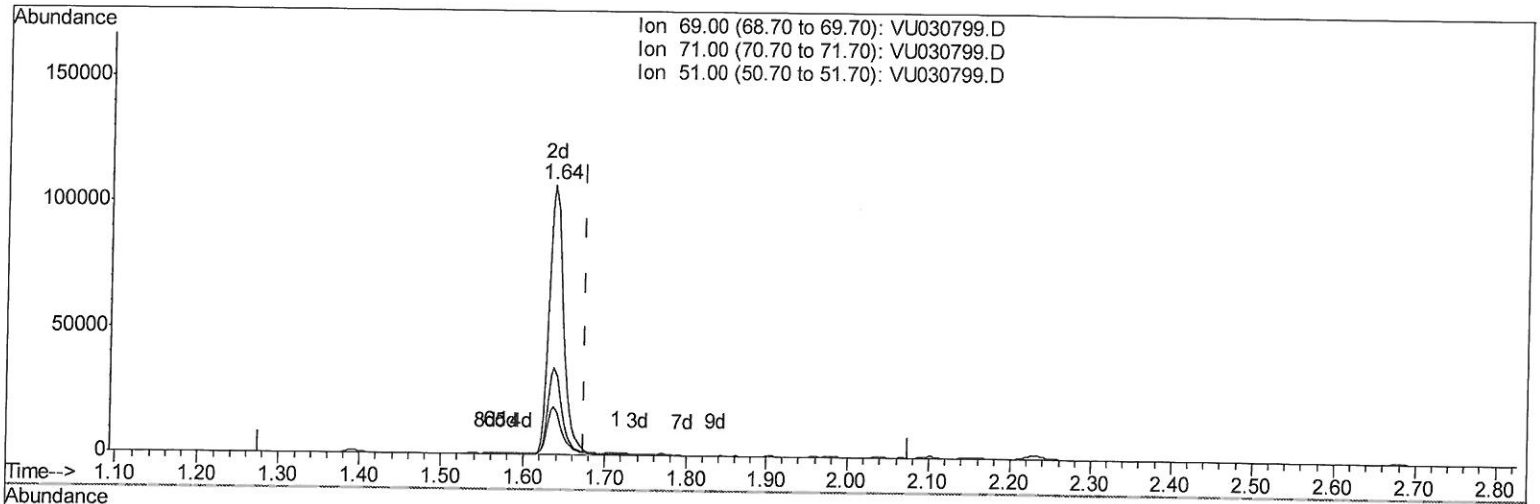
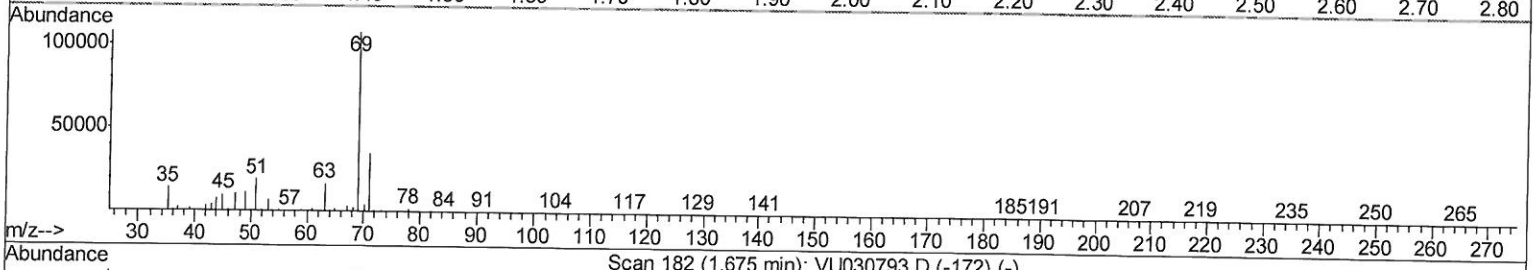
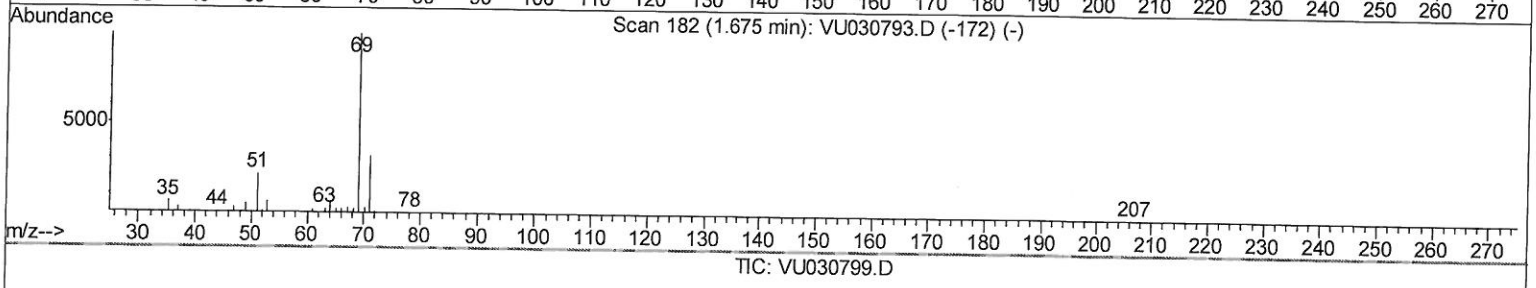
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 05:01:06 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF110ME

Manual Integrations APPROVED
MMDadoda
4/8/2019 3:12:31 PM







TIC: VU030799.D

(7) Chloroethane-d5 (S)

1.637min (-0.039) 39.37ug/L m

response 129931

MD 4/10/19

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	0.25#
51.00	27.70	0.21#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040719\

Quantitation Report (QT Reviewed)

Data File : VU030799.D
Acq On : 06 Apr 2019 14:45
Operator : JC/SP
Sample : K2167-09ME
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 08 05:26:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 05:01:06 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : BF110ME

Manual Integrations APPROVED
MMDadoda
4/8/2019 3:12:31 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	487078	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	484617	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	227955	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	174177	40.06	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 80.12%			
7) Chloroethane-d5	1.64	69	129931m	39.37	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 78.74%			
11) 1,1-Dichloroethene-d2	2.23	63	277781	35.32	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.64%			
21) 2-Butanone-d5	4.19	46	346450	100.54	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 100.54%			
24) Chloroform-d	4.64	84	307285	46.26	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.52%			
26) 1,2-Dichloroethane-d4	5.30	65	228934	50.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.02%			
32) Benzene-d6	5.33	84	661734	46.77	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.54%			
36) 1,2-Dichloropropane-d6	6.32	67	232229	47.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 95.80%			
41) Toluene-d8	7.56	98	573894	45.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.54%			
43) trans-1,3-Dichloropropene-	7.85	79	103892	46.99	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.98%			
47) 2-Hexanone-d5	8.32	63	248433	112.11	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery = 112.11%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	341539	52.22	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 104.44%			
64) 1,2-Dichlorobenzene-d4	11.86	152	220396	49.16	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.32%			
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	4.21	96	3537	0.896	ug/L	89
34) Trichloroethene	6.18	95	18960	4.874	ug/L	92
46) Tetrachloroethene	8.22	164	212782	75.244	ug/L	96

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

SMD 4/10/19