

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122319\
 Data File : VU036329.D
 Acq On : 23 Dec 2019 16:25
 Operator : JC/MD
 Sample : K6282-11DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW7DL

Quant Time: Dec 24 08:28:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 24 00:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	248834	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	270604	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	109176	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	132215	6.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.60%
7) Chloroethane-d5	1.93	69	112138	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.20%
11) 1,1-Dichloroethene-d2	2.59	63	133704	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.60%
20) 2-Butanone-d5	4.68	46	203340	49.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.06%
24) Chloroform-d	5.11	84	184548	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.75	65	96465	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.77	84	358513	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.73	67	112827	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.93	98	299262	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	8.21	79	43302	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.67	63	161675	47.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.90%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	95661	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	112330	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

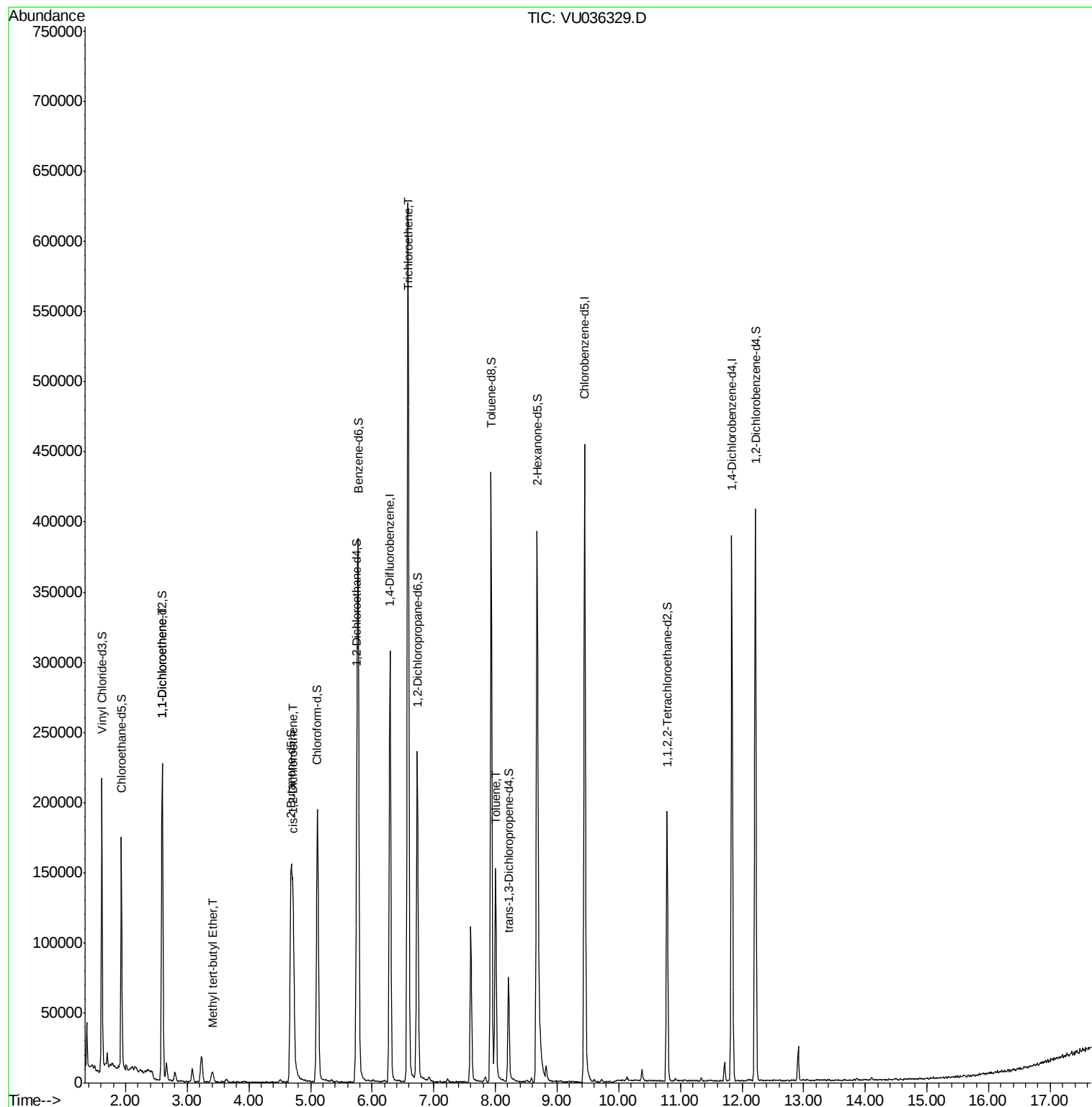
				Ovalue	
12) 1,1-Dichloroethene	2.60	96	2709	0.147 ug/L	# 1
17) Methyl tert-butyl Ether	3.42	73	5805	0.147 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	57471	2.771 ug/L	99
34) Trichloroethene	6.58	95	215388	10.046 ug/L	98
42) Toluene	8.00	91	106339	1.193 ug/L	100

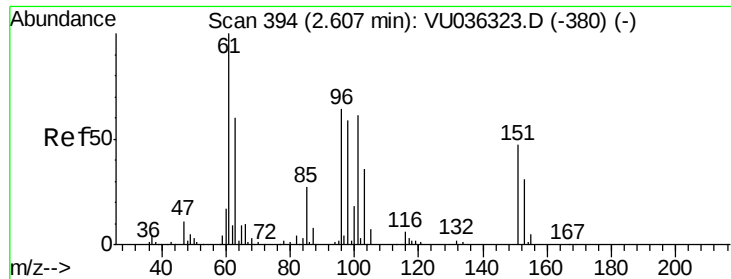
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.147 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036329.D

Acq: 23 Dec 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

BFDW7DL

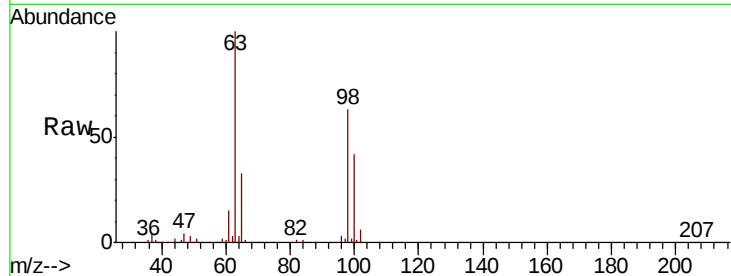
Tot Ion: 96 Resp: 2709

Ion Ratio Lower Upper

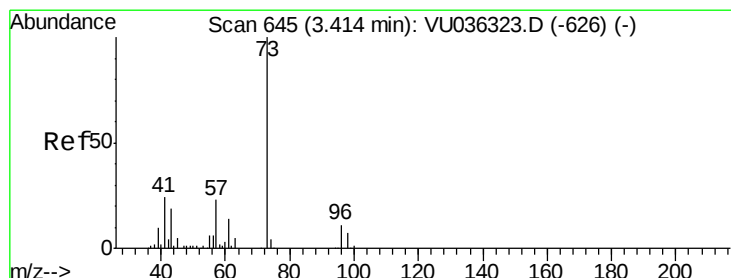
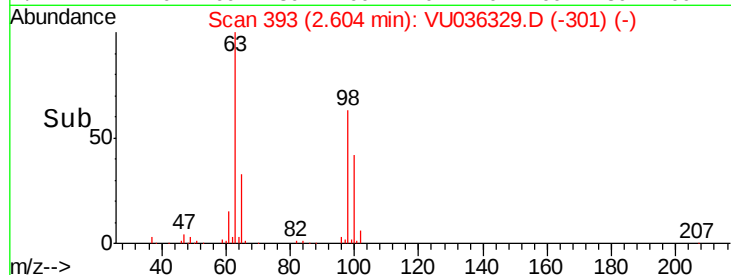
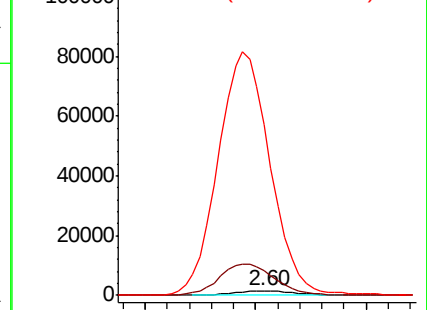
96 100

61 564.9 114.0 211.8#

63 3883.1 63.6 118.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#17

Methyl tert-butyl Ether

Concen: 0.147 ug/L

RT: 3.42 min Scan# 647

Delta R.T. 0.01 min

Lab File: VU036329.D

Acq: 23 Dec 2019 16:25

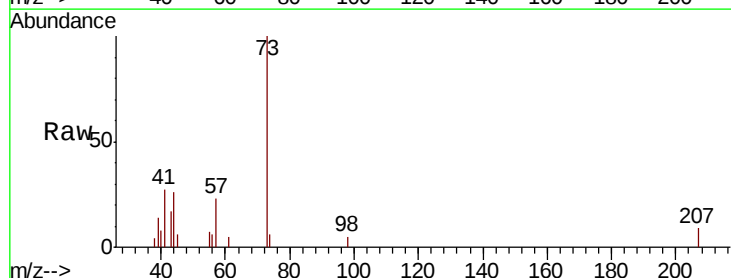
Tgt Ion: 73 Resp: 5805

Ion Ratio Lower Upper

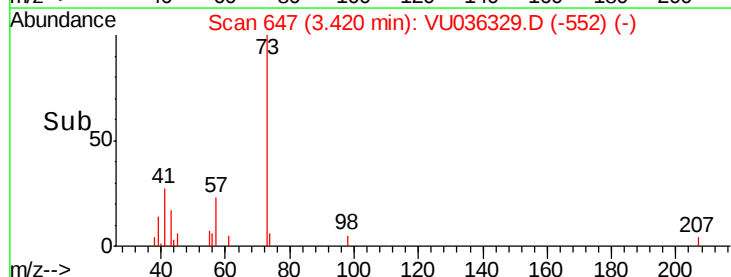
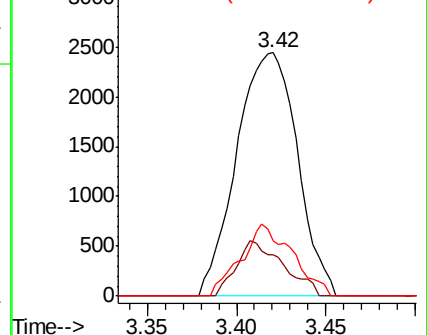
73 100

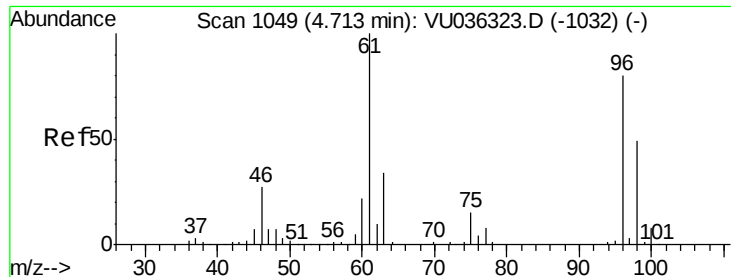
43 17.5 15.3 22.9

57 25.0 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 2.771 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036329.D

Acq: 23 Dec 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

BFDW7DL

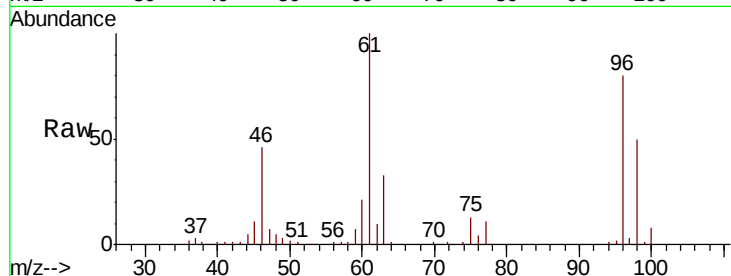
Tot Ion: 96 Resp: 57471

Ion Ratio Lower Upper

96 100

61 124.9 86.7 161.1

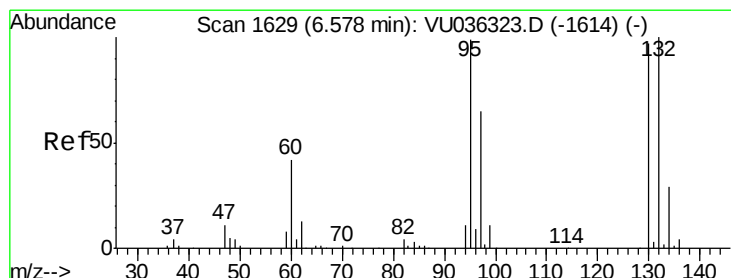
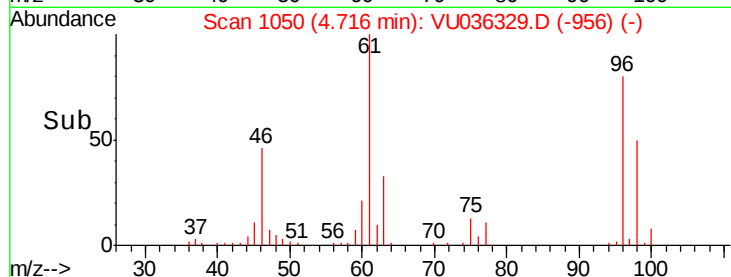
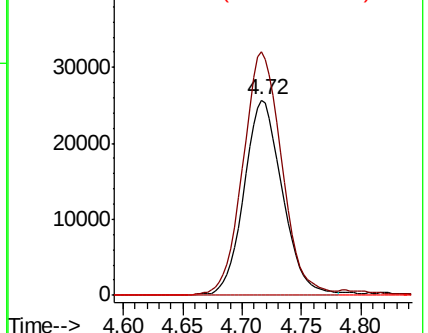
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036329.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU036329.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU036329.D (-1032) (-)



#34

Trichloroethene

Concen: 10.046 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036329.D

Acq: 23 Dec 2019 16:25

Tgt Ion: 95 Resp: 215388

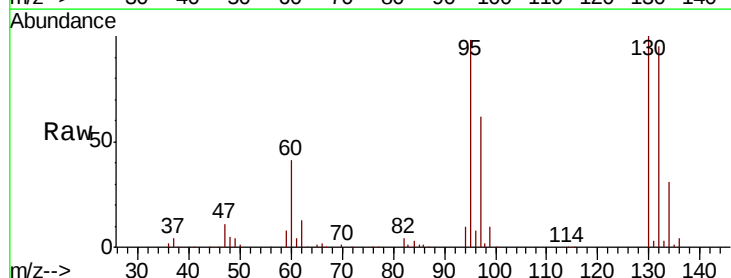
Ion Ratio Lower Upper

95 100

97 63.2 43.6 81.0

132 96.5 69.6 129.2

130 101.8 70.3 130.7

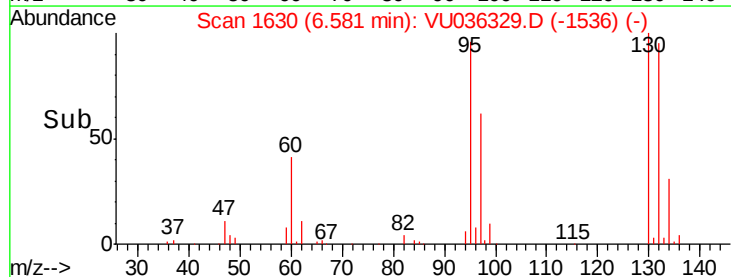
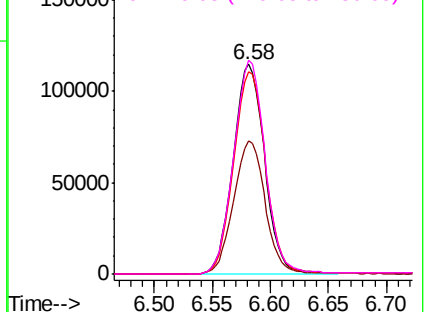


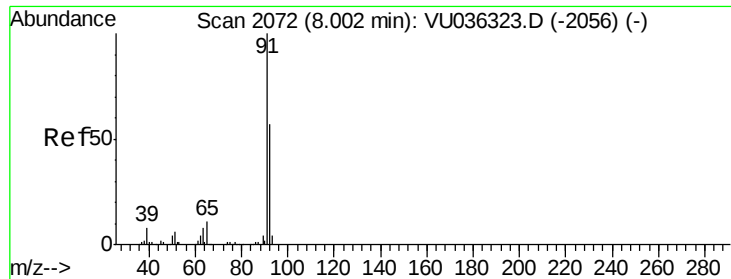
Abundance Ion 95.00 (94.70 to 95.70): VU036329.D (-1614) (-)

Ion 96.95 (96.65 to 97.65): VU036329.D (-1614) (-)

Ion 131.95 (131.65 to 132.65): VU036329.D (-1614) (-)

Ion 129.95 (129.65 to 130.65): VU036329.D (-1614) (-)





#42

Toluene

Concen: 1.193 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036329.D

Acq: 23 Dec 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

BFDW7DL

Tot Ion: 91 Resp: 106339

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6

