

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092821\
 Data File : VL037706.D
 Acq On : 28 Sep 2021 17:31
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 29 03:41:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1321668	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4022779	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3387906	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2359363	9.64	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

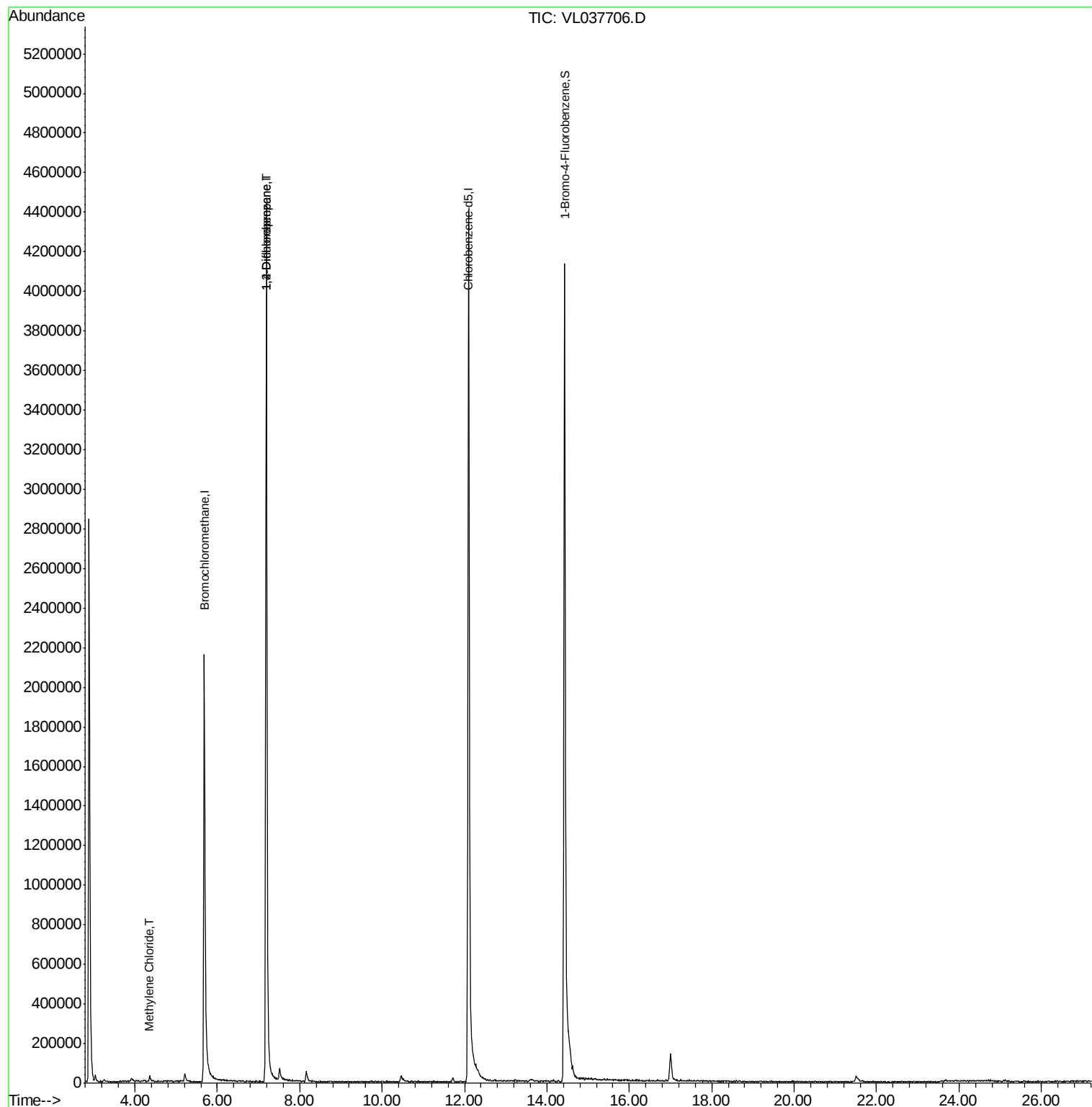
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.36	84	4869	0.074	ppbv #	84
39) 1,2-Dichloropropane	7.19	63	954107	7.426	ppbv #	27

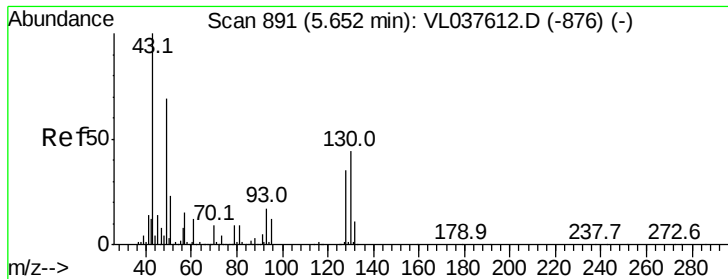
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 28 Sep 2021 17:31

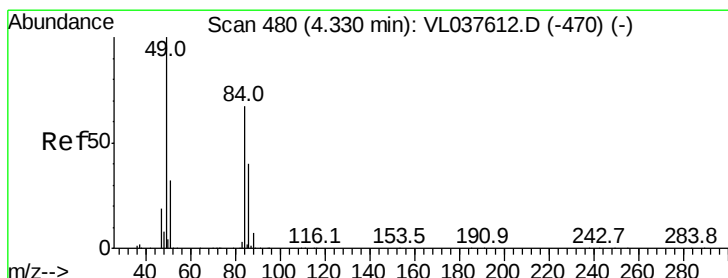
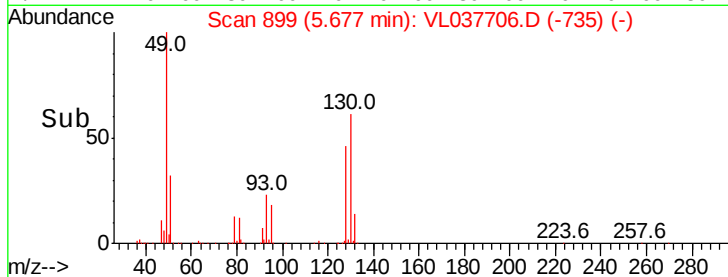
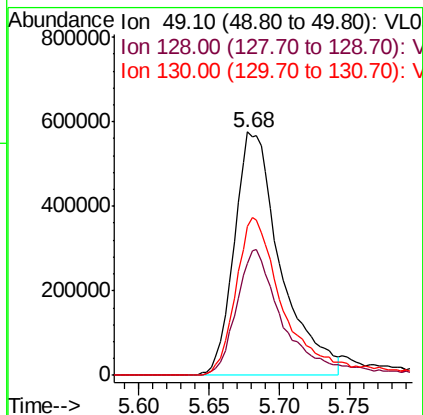
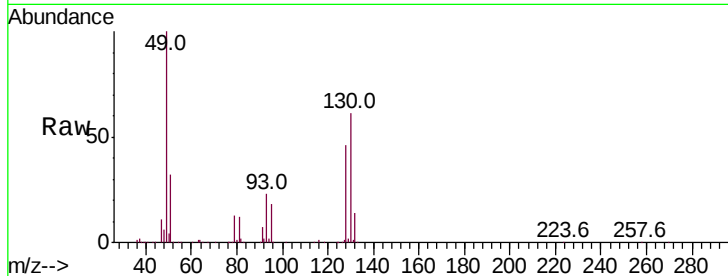
Tot Ion: 49 Resp: 1321668

Ion Ratio Lower Upper

49 100

128 55.0 27.9 83.6

130 71.2 33.9 101.7



#20

Methylene Chloride

Concen: 0.074 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL037706.D

Acq: 28 Sep 2021 17:31

Tgt Ion: 84 Resp: 4869

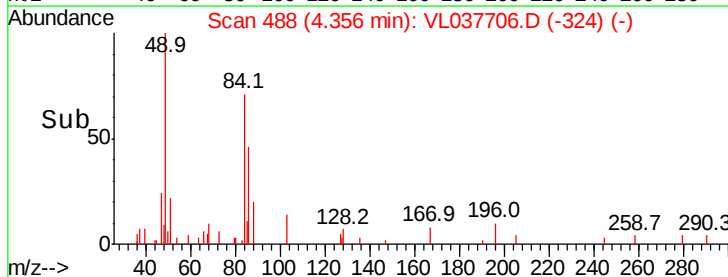
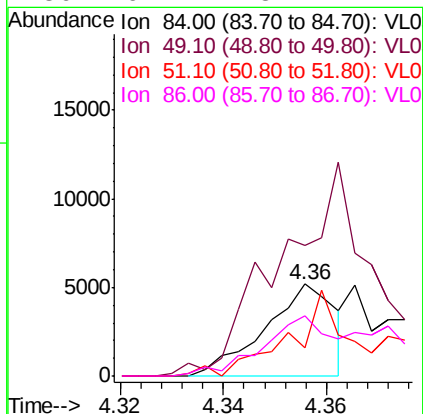
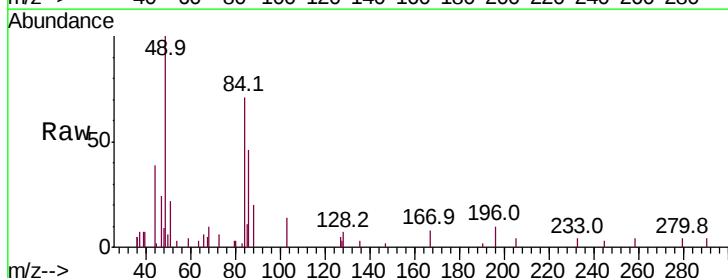
Ion Ratio Lower Upper

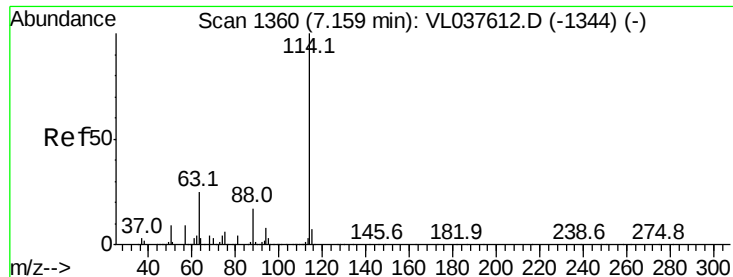
84 100

49 127.7 120.0 180.0

51 27.8 38.0 57.0#

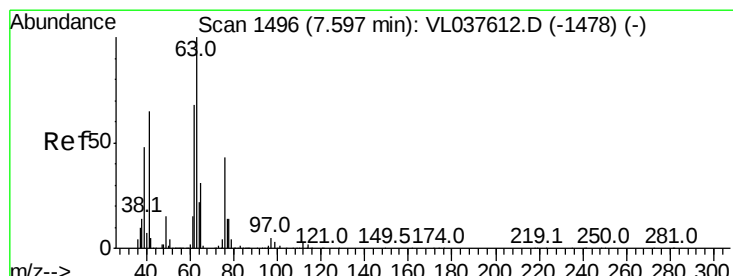
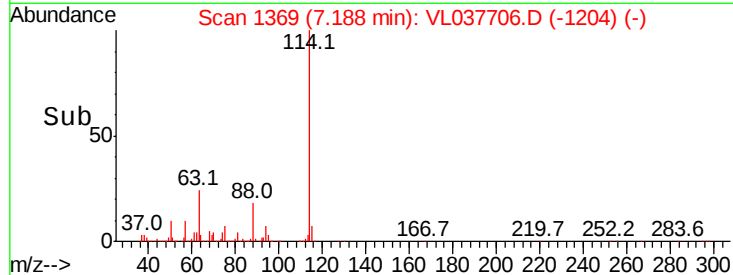
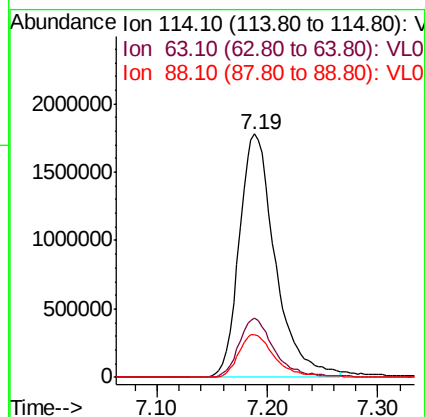
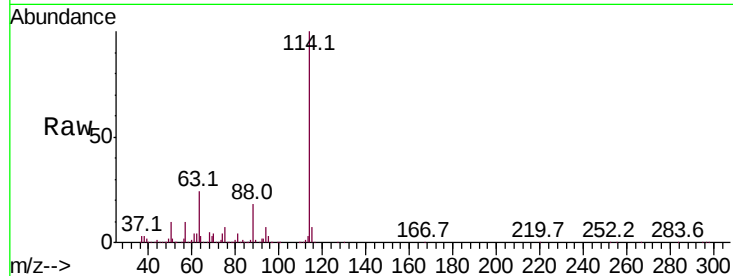
86 61.7 48.2 72.2





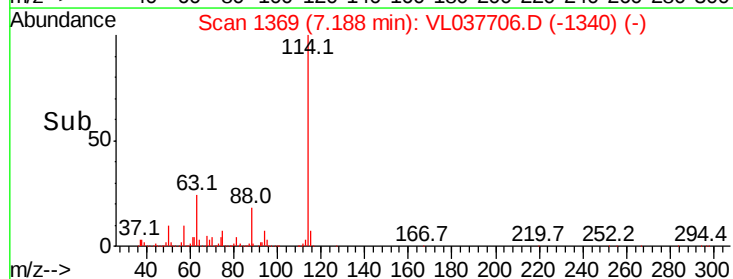
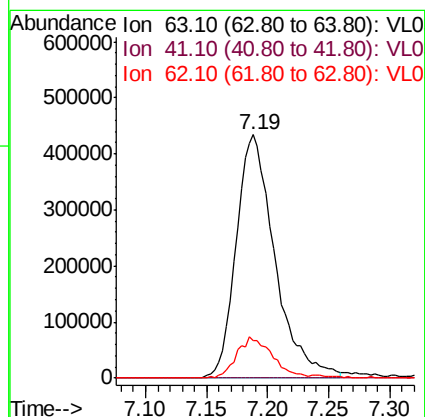
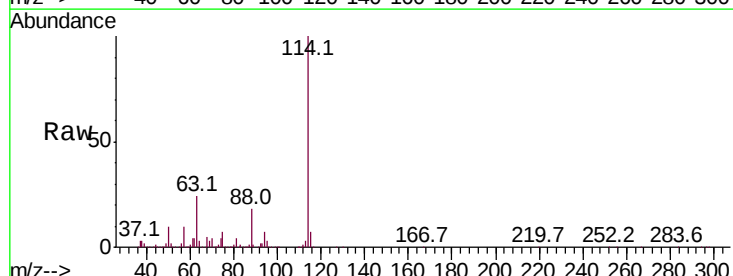
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 28 Sep 2021 17:31

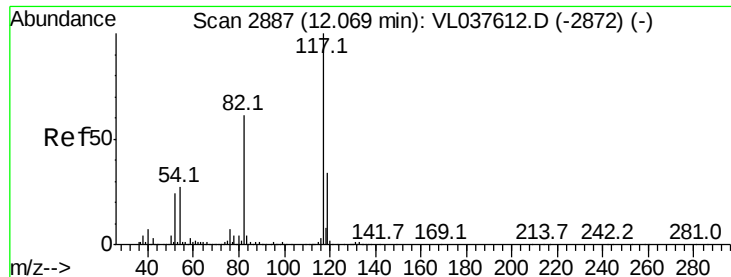
Tot Ion:	114	Resp:	4022779
Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	18.0	14.2	21.4



#39
 1,2-Dichloropropane
 Concen: 7.426 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T.: -0.41 min
 Lab File: VL037706.D
 Acq: 28 Sep 2021 17:31

Tgt Ion:	63	Resp:	954107
Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	15.4	54.6	81.8#

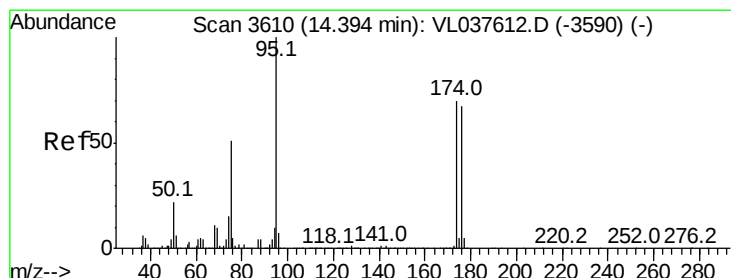
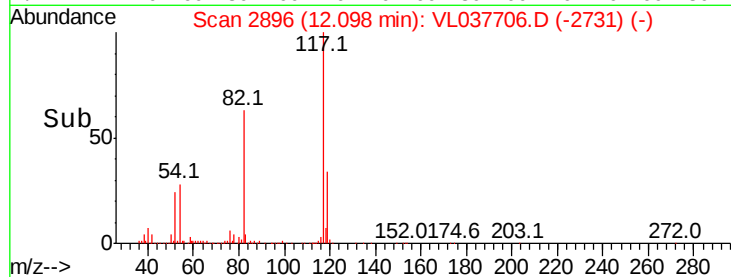
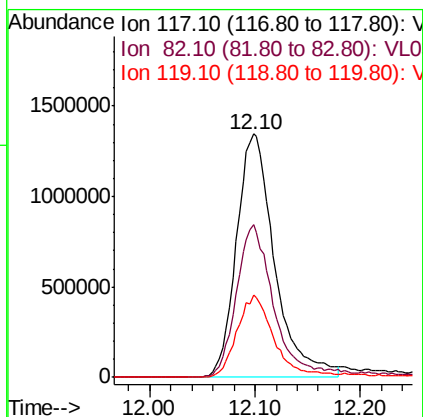
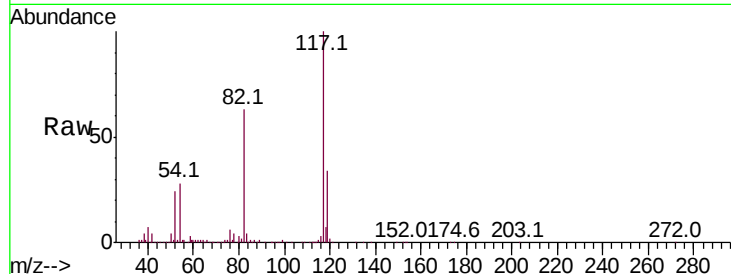




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Sep 2021 17:31

Tot Ion: 117 Resp: 3387906

Ion	Ratio	Lower	Upper
117	100		
82	67.1	50.6	75.8
119	33.9	26.2	39.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.636 ppbv
RT: 14.43 min Scan# 3621
Delta R.T.: 0.04 min
Lab File: VL037706.D
Acq: 28 Sep 2021 17:31

Tgt Ion: 95 Resp: 2359363

Ion	Ratio	Lower	Upper
95	100		
174	78.4	56.3	84.5
175	5.9	4.4	6.6

