

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035743.D
 Acq On : 8 Oct 2020 12:58
 Operator : SY/AP
 Sample : VL1008ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABL01

Quant Time: Oct 09 01:31:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1202652	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	4409408	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	4386756	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3283760	9.99	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

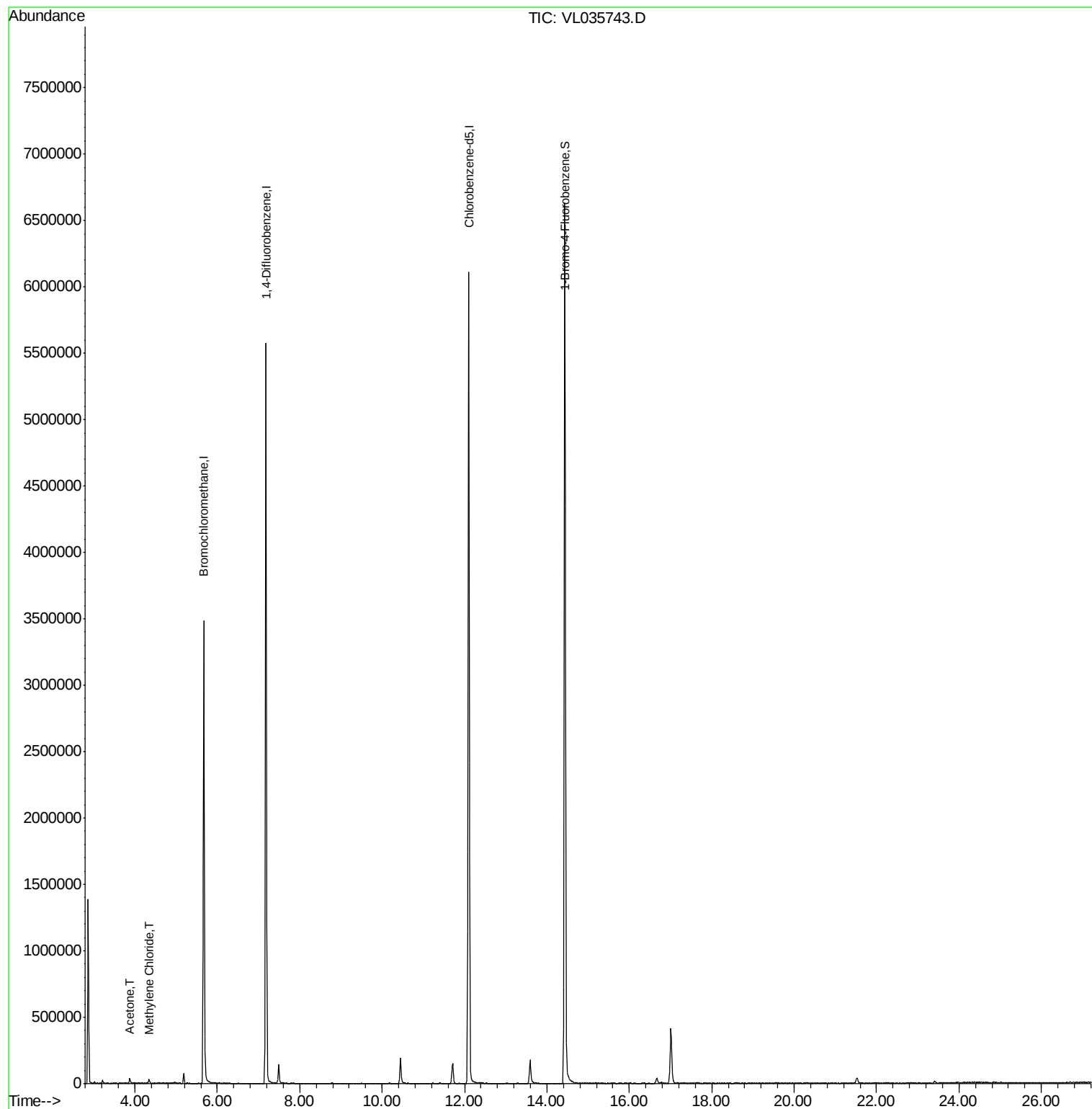
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.87	43	24778	0.191	ppbv	# 17
20) Methylene Chloride	4.35	84	13707	0.144	ppbv	94

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VL1008ABL01

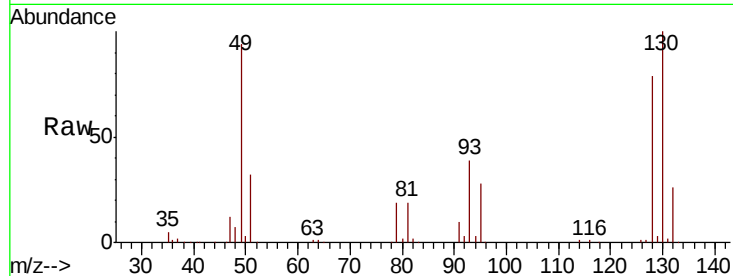
Tot Ion: 49 Resp: 1202652

Ion Ratio Lower Upper

49 100

128 84.2 43.1 129.4

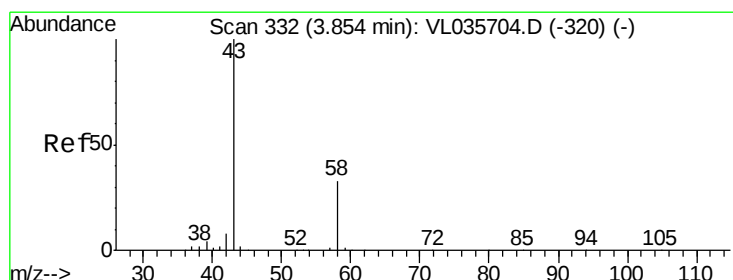
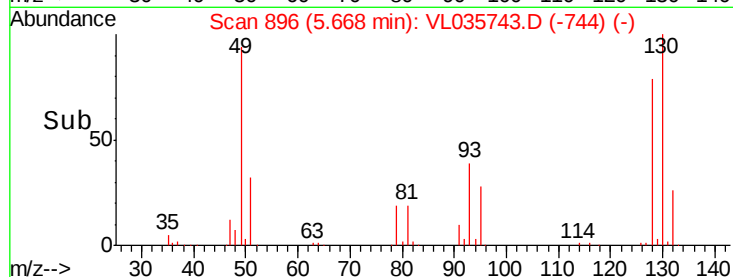
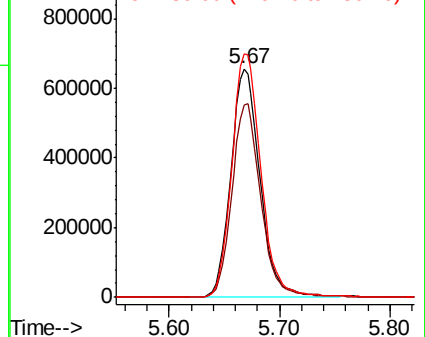
130 107.7 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.191 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL035743.D

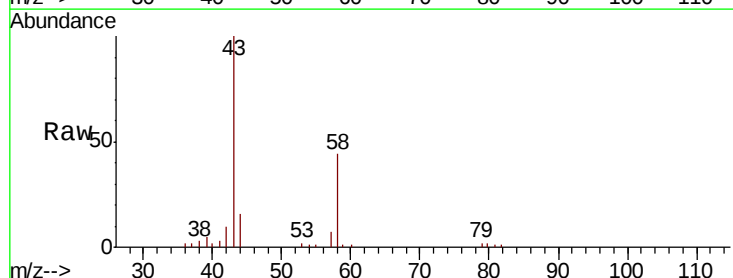
Acq: 8 Oct 2020 12:58

Tgt Ion: 43 Resp: 24778

Ion Ratio Lower Upper

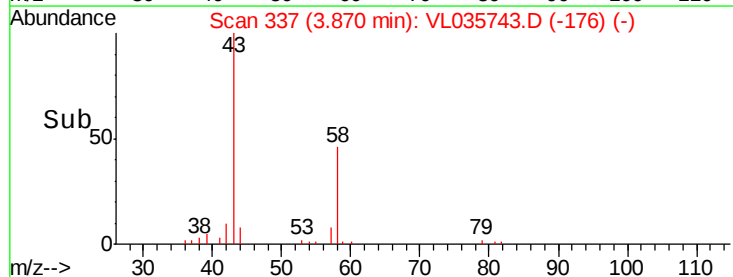
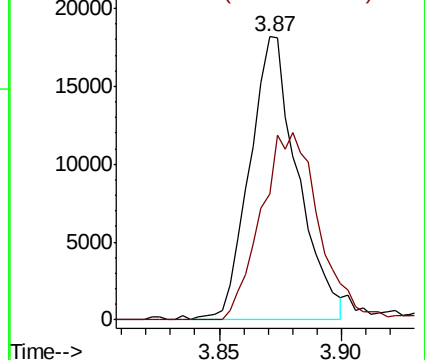
43 100

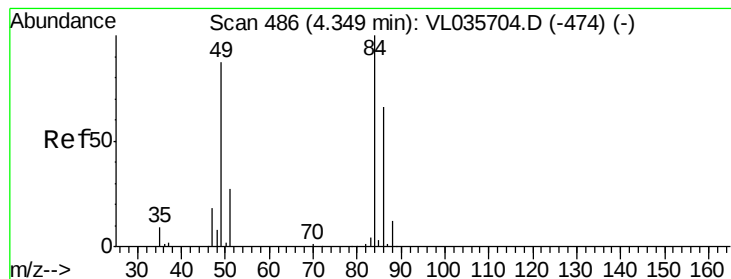
58 81.6 27.3 40.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.144 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL035743.D

Acq: 8 Oct 2020 12:58

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABL01

Tot Ion: 84 Resp: 13707

Ion	Ratio	Lower	Upper
84	100		
49	81.6	69.8	104.6
51	28.1	21.8	32.8
86	59.0	52.6	78.8

Abundance

Ion 84.00 (83.70 to 84.70): VL0

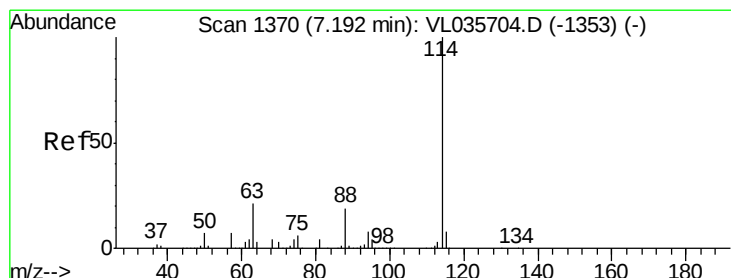
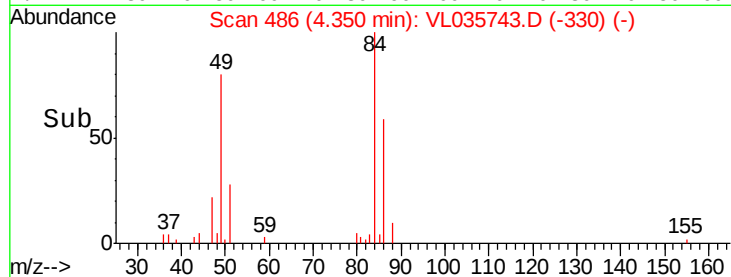
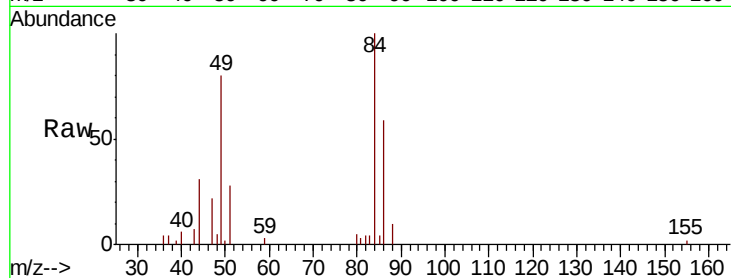
Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

4.35

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL035743.D

Acq: 8 Oct 2020 12:58

Tgt Ion: 114 Resp: 4409408

Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	17.6	14.1	21.1

Abundance

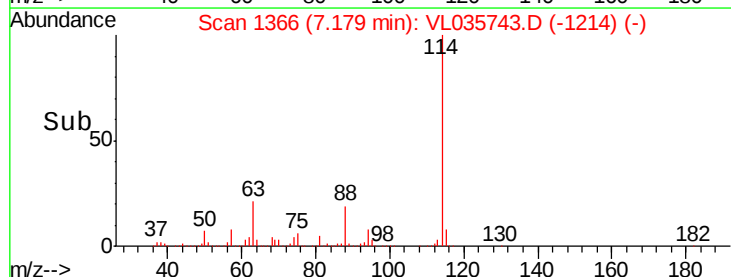
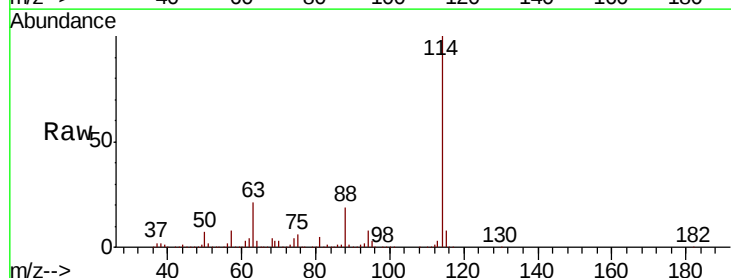
Ion 114.10 (113.80 to 114.80): V

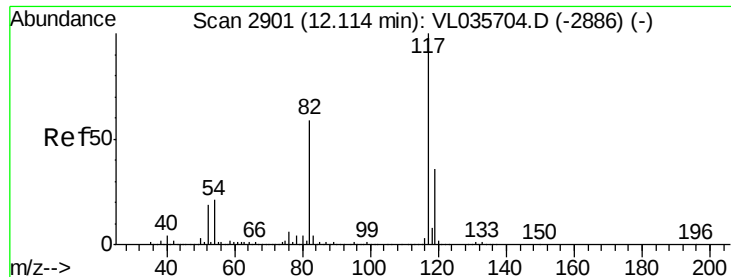
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

7.18

Time-->

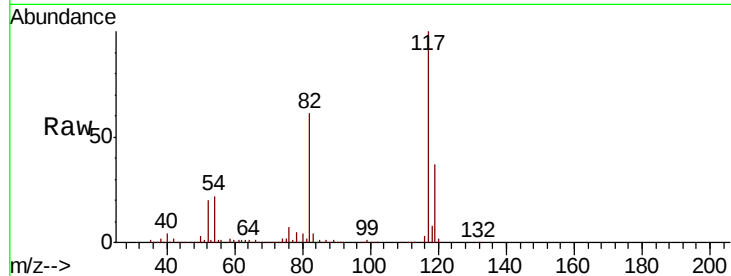




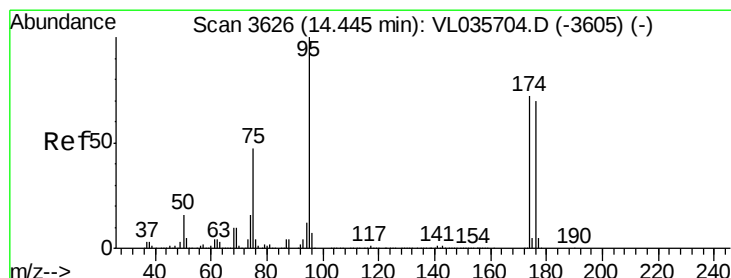
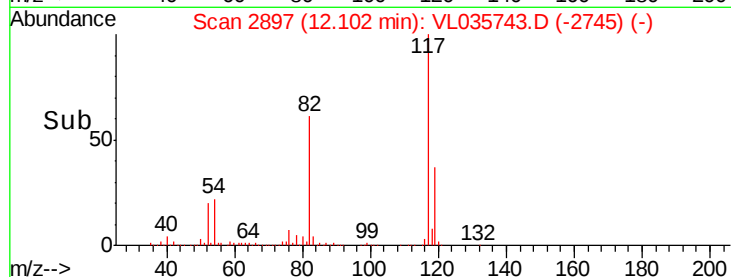
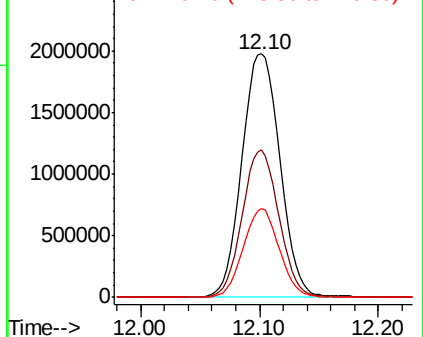
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035743.D
Acq: 8 Oct 2020 12:58

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABL01

Tot Ion:117 Resp: 4386756
Ion Ratio Lower Upper
117 100
82 58.5 46.1 69.1
119 34.6 28.0 42.0

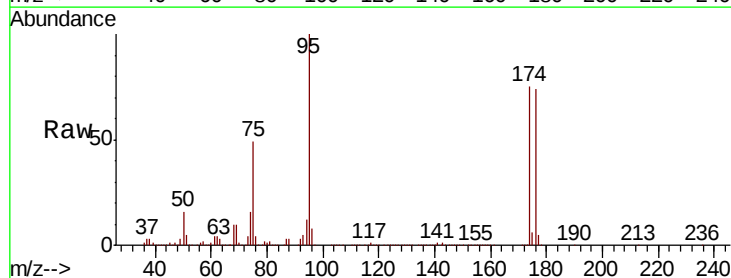


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.990 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL035743.D
Acq: 8 Oct 2020 12:58

Tgt Ion: 95 Resp: 3283760
Ion Ratio Lower Upper
95 100
174 76.8 59.6 89.4
175 5.6 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

