

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040882.D
 Acq On : 15 Nov 2023 23:59
 Operator : SY/MD
 Sample : 05277-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-6DL

Quant Time: Nov 16 06:35:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 13 15:42:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

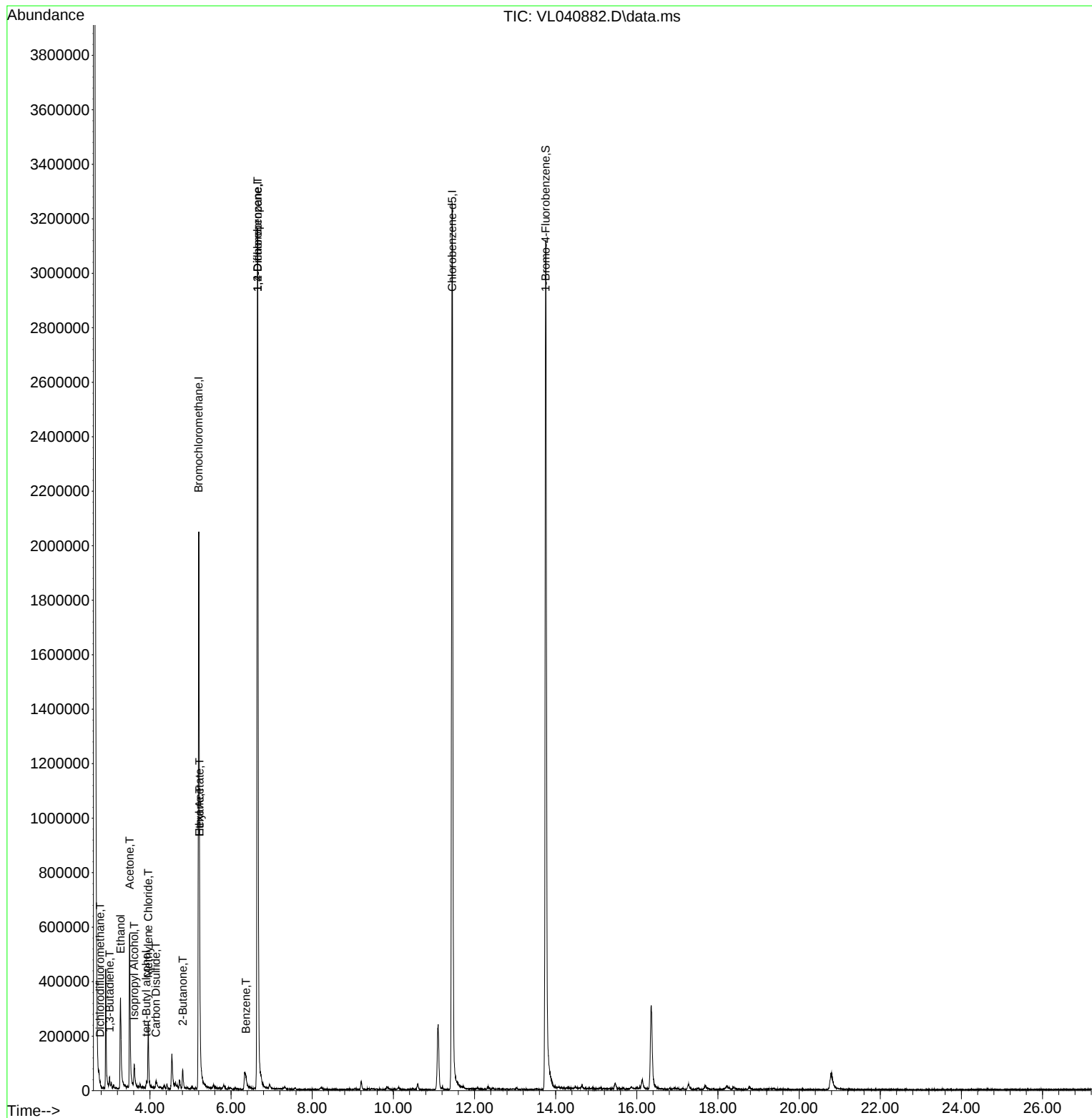
Internal Standards						
1) Bromochloromethane	5.201	49	983160	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.651	114	2331981	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.449	117	2072005	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1597692	9.849	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.771	85	9032	0.045	ppbv	90
13) Ethanol	3.275	45	355921	34.649	ppbv #	100
15) Acetone	3.500	43	554154	5.292	ppbv	95
16) 1,3-Butadiene	3.005	39	9780	0.185	ppbv #	41
17) tert-Butyl alcohol	3.915	59	8984	0.100	ppbv #	71
19) Isopropyl Alcohol	3.610	45	84544	1.342	ppbv #	89
20) Methylene Chloride	3.957	84	70321	1.627	ppbv	96
25) Ethyl Acetate	5.224	43	64782	0.299	ppbv #	78
26) Hexane	5.224	57	90346	0.942	ppbv #	41
27) Carbon Disulfide	4.147	76	22961	0.189	ppbv #	44
34) 2-Butanone	4.809	43	81409	0.685	ppbv	98
36) Benzene	6.368	78	9689	0.051	ppbv #	87
39) 1,2-Dichloropropane	6.655	63	613377	8.174	ppbv #	23

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

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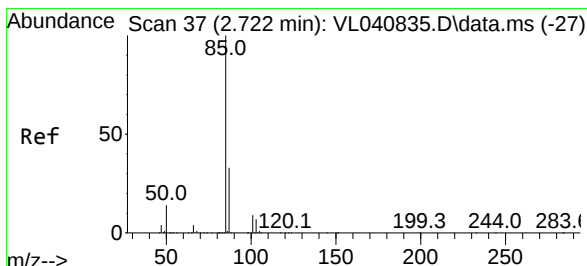
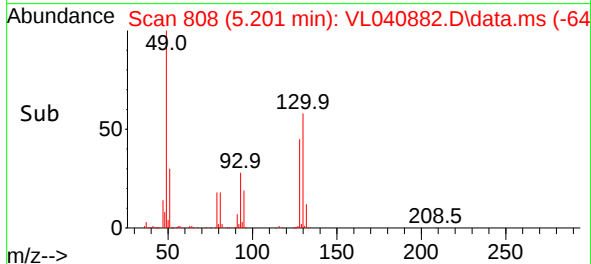
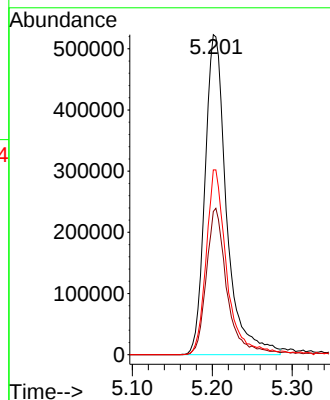
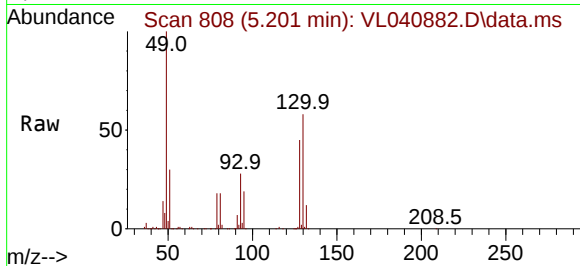




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.029 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

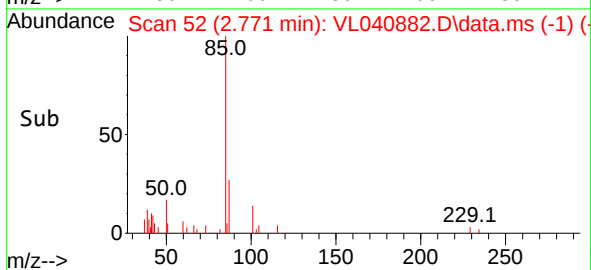
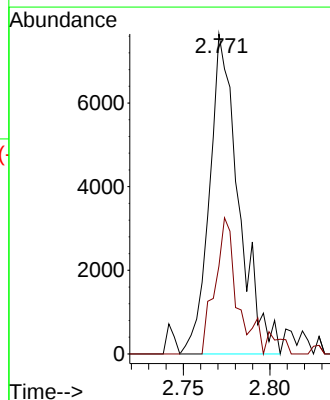
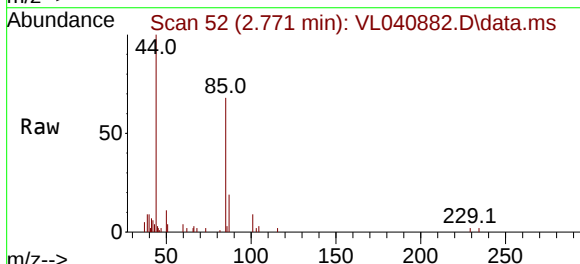
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6DL

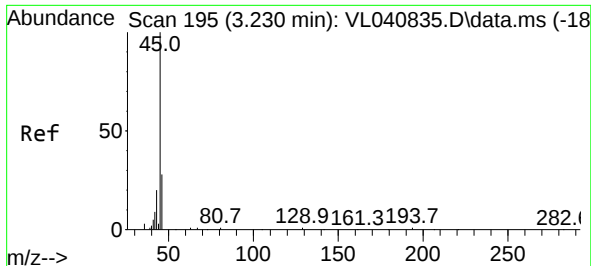
Tgt Ion: 49 Resp: 983160
Ion Ratio Lower Upper
49 100
128 44.8 23.8 71.2
130 56.1 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.045 ppbv
RT: 2.771 min Scan# 52
Delta R.T. 0.048 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

Tgt Ion: 85 Resp: 9032
Ion Ratio Lower Upper
85 100
87 27.4 26.7 40.1

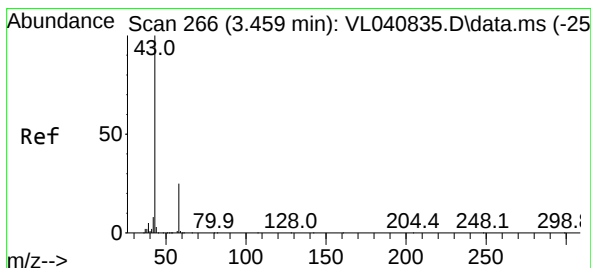
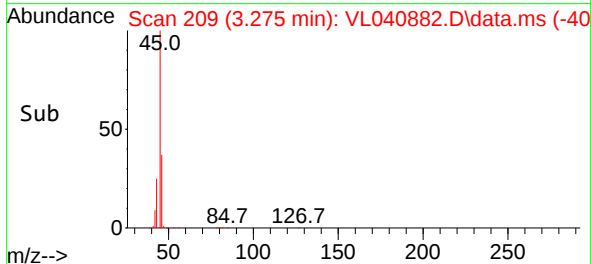
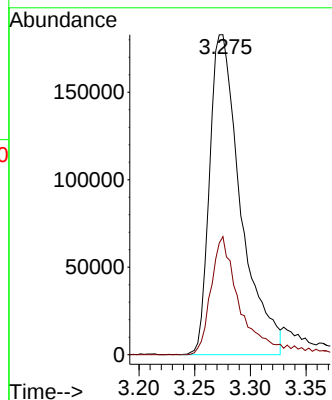
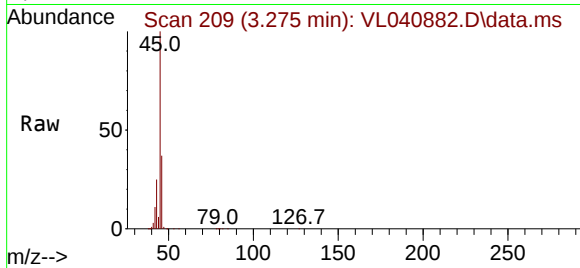




#13
Ethanol
Concen: 34.649 ppbv
RT: 3.275 min Scan# 209
Delta R.T. 0.045 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

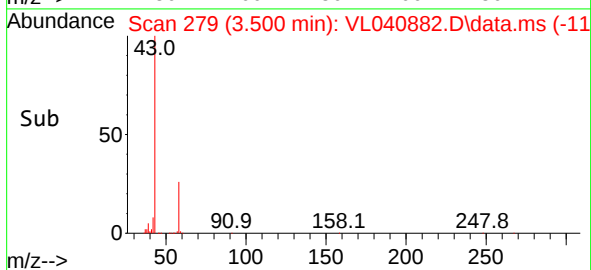
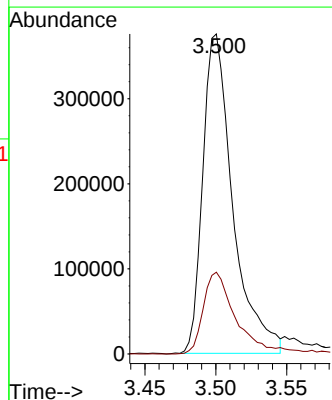
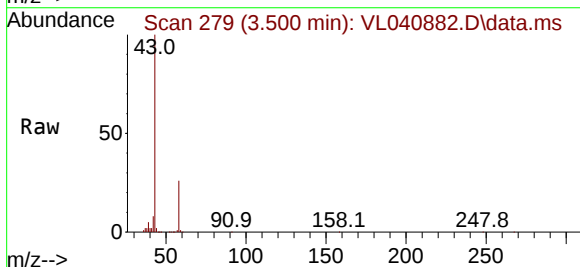
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6DL

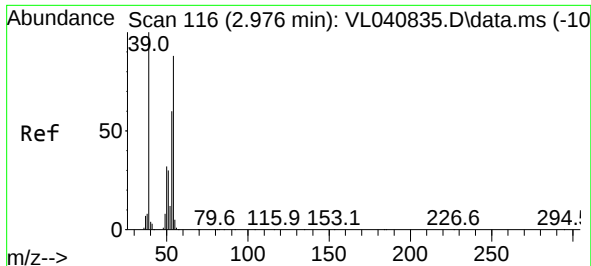
Tgt Ion: 45 Resp: 355921
Ion Ratio Lower Upper
45 100
46 36.8 0.0 0.0#



#15
Acetone
Concen: 5.292 ppbv
RT: 3.500 min Scan# 279
Delta R.T. 0.042 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

Tgt Ion: 43 Resp: 554154
Ion Ratio Lower Upper
43 100
58 28.6 20.9 31.3





#16

1,3-Butadiene

Concen: 0.185 ppbv

RT: 3.005 min Scan# 11

Delta R.T. 0.029 min

Lab File: VL040882.D

Acq: 15 Nov 2023 23:59

Instrument :

MSVOA_L

ClientSampleId :

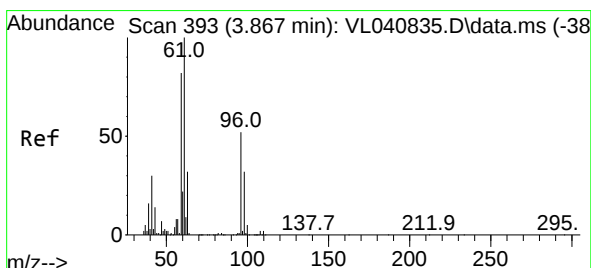
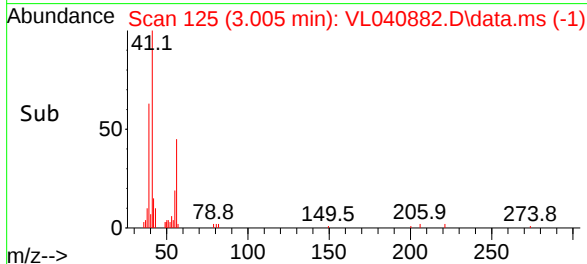
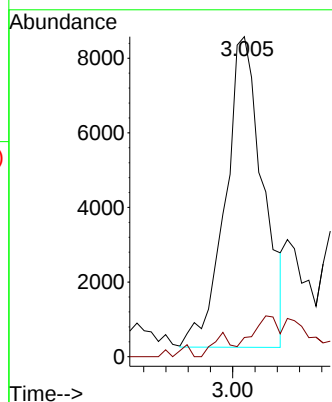
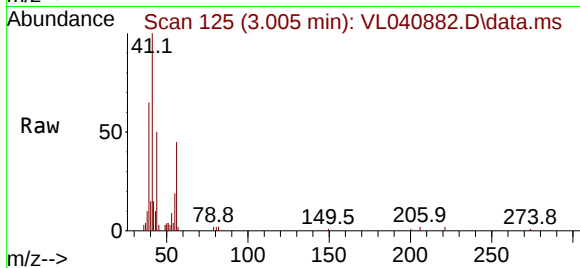
NT-SS-6DL

Tgt Ion: 39 Resp: 9780

Ion Ratio Lower Upper

39 100

54 26.6 61.8 92.6#



#17

tert-Butyl alcohol

Concen: 0.100 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.048 min

Lab File: VL040882.D

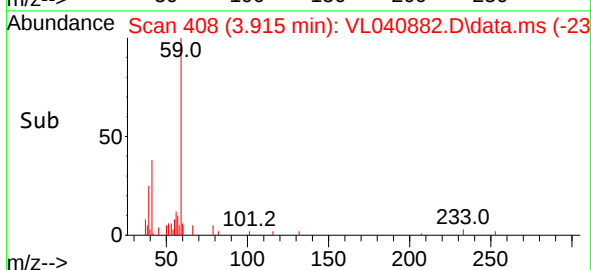
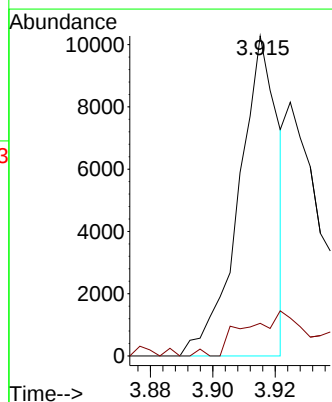
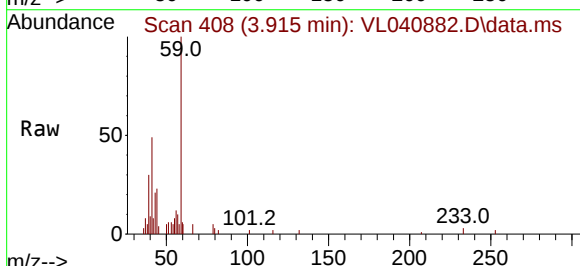
Acq: 15 Nov 2023 23:59

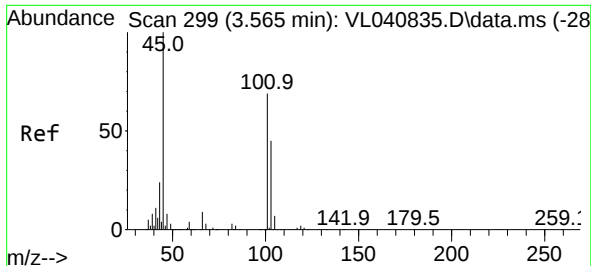
Tgt Ion: 59 Resp: 8984

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#





#19

Isopropyl Alcohol

Concen: 1.342 ppbv

RT: 3.610 min Scan# 313

Delta R.T. 0.045 min

Lab File: VL040882.D

Acq: 15 Nov 2023 23:59

Instrument :

MSVOA_L

ClientSampleId :

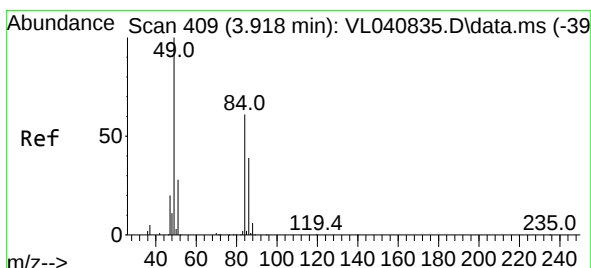
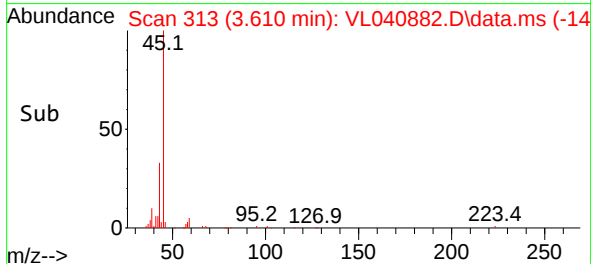
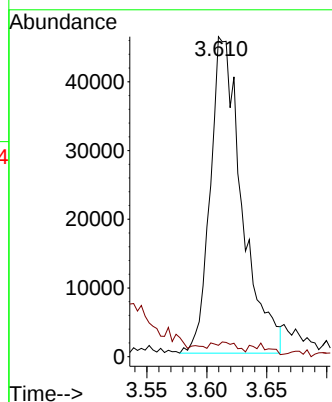
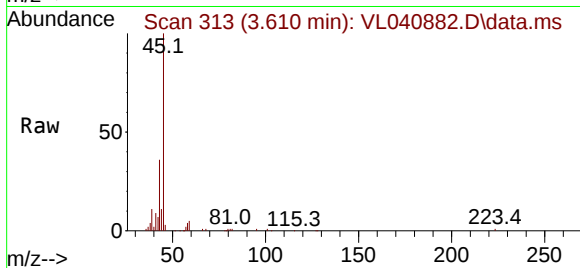
NT-SS-6DL

Tgt Ion: 45 Resp: 84544

Ion Ratio Lower Upper

45 100

58 6.0 1.6 2.4#



#20

Methylene Chloride

Concen: 1.627 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.038 min

Lab File: VL040882.D

Acq: 15 Nov 2023 23:59

Tgt Ion: 84 Resp: 70321

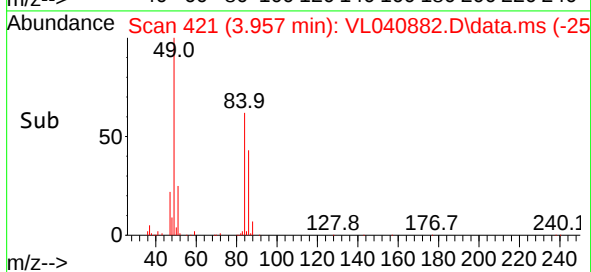
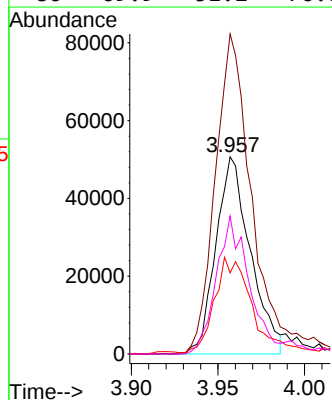
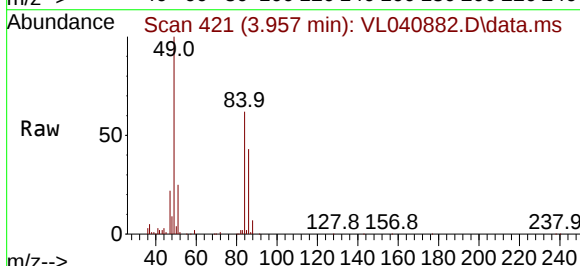
Ion Ratio Lower Upper

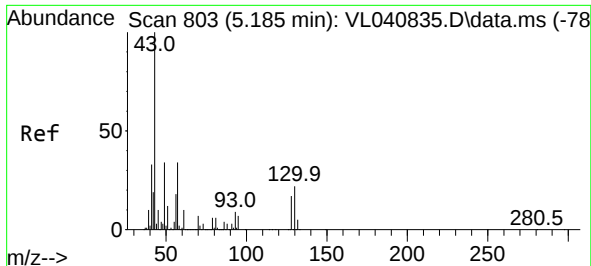
84 100

49 161.6 131.0 196.4

51 40.5 36.9 55.3

86 69.9 51.2 76.8

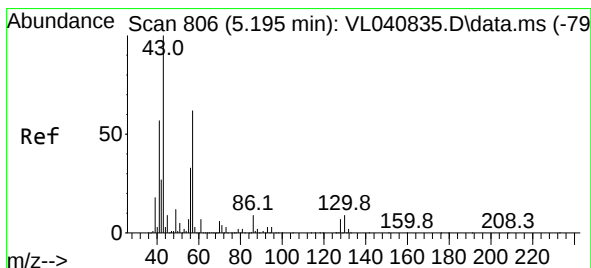
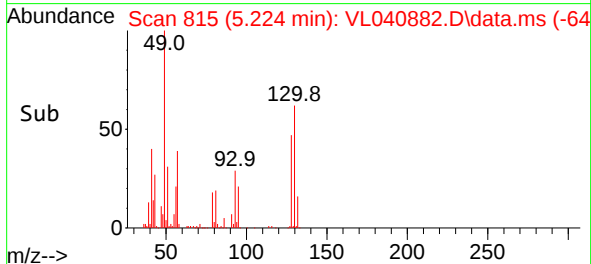
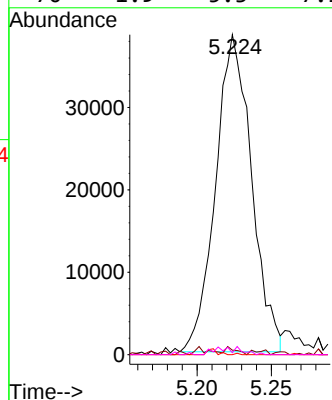
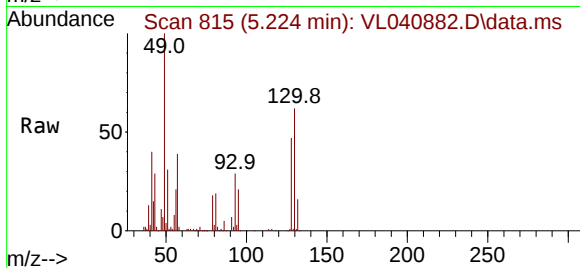




#25
Ethyl Acetate
Concen: 0.299 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.038 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

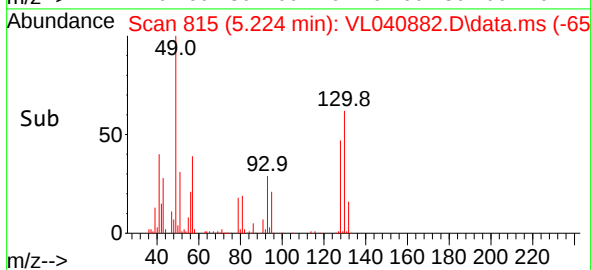
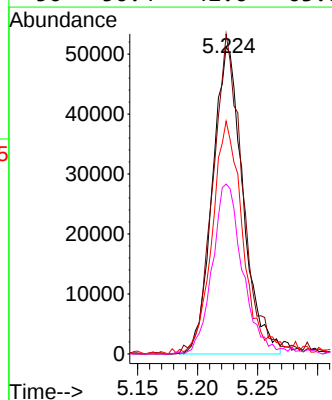
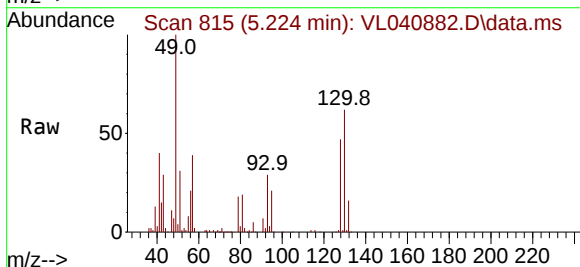
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6DL

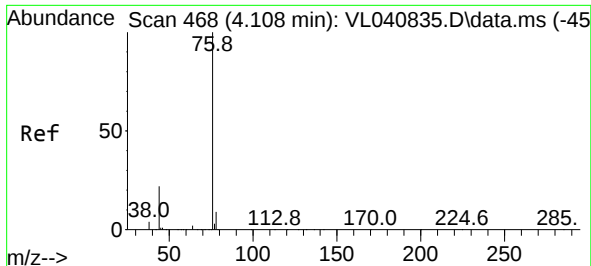
Tgt Ion:	43	Resp:	64782
Ion	Ratio	Lower	Upper
43	100		
45	1.6	8.1	12.1#
61	0.0	7.8	11.6#
70	1.9	5.3	7.9#



#26
Hexane
Concen: 0.942 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.029 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

Tgt Ion:	57	Resp:	90346
Ion	Ratio	Lower	Upper
57	100		
41	104.9	75.4	113.0
43	79.9	185.9	278.9#
56	56.4	42.6	63.8

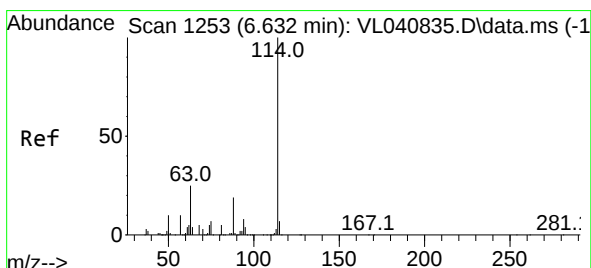
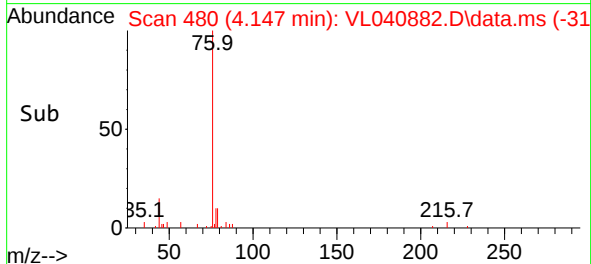
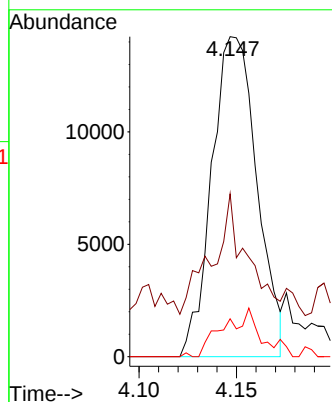
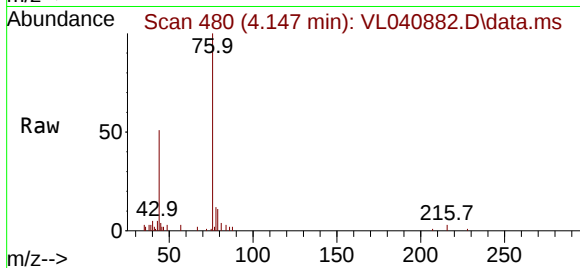




#27
Carbon Disulfide
Concen: 0.189 ppbv
RT: 4.147 min Scan# 41
Delta R.T. 0.038 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

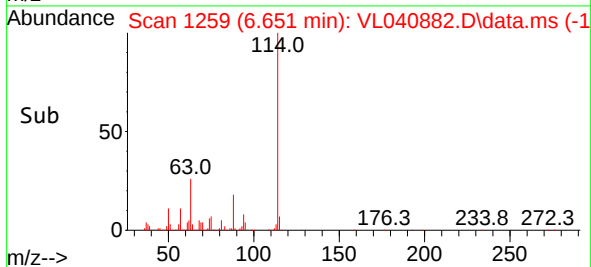
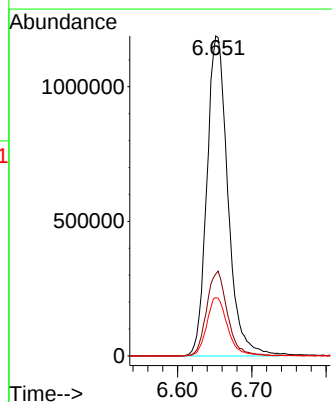
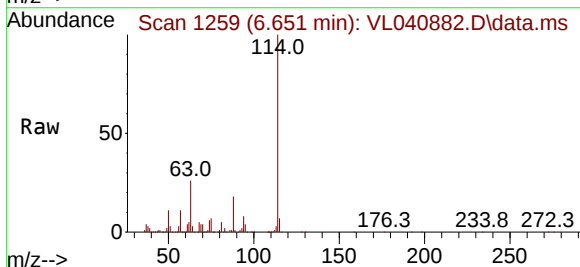
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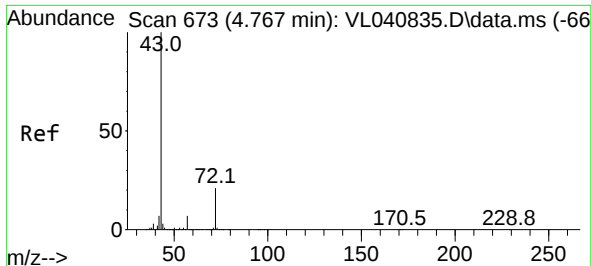
Tgt Ion: 76 Resp: 22961
Ion Ratio Lower Upper
76 100
44 56.5 16.7 25.1#
78 13.2 7.6 11.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 1259
Delta R.T. 0.019 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

Tgt Ion: 114 Resp: 2331981
Ion Ratio Lower Upper
114 100
63 26.6 20.9 31.3
88 18.2 14.3 21.5

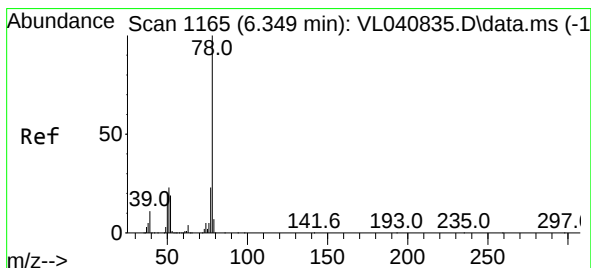
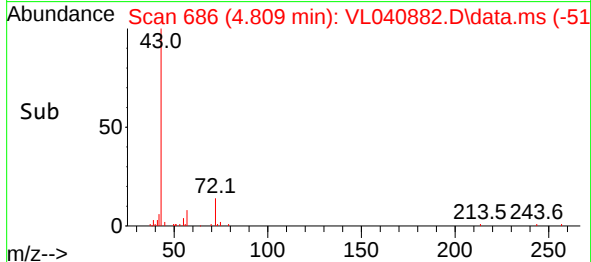
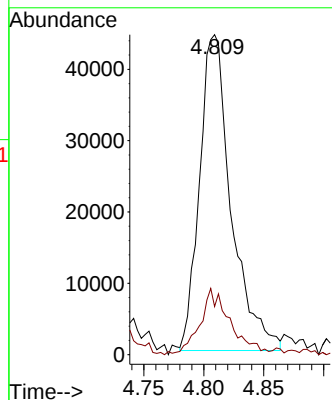
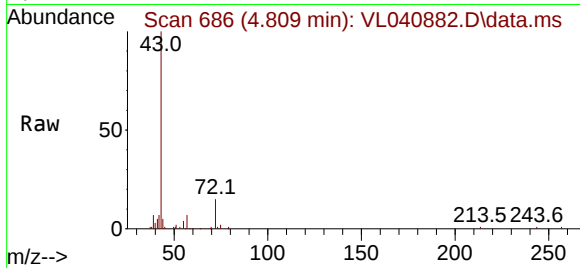




#34
2-Butanone
Concen: 0.685 ppbv
RT: 4.809 min Scan# 61
Delta R.T. 0.042 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

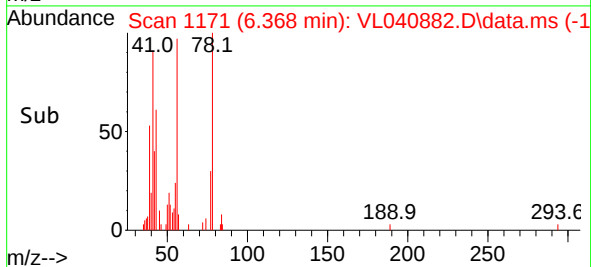
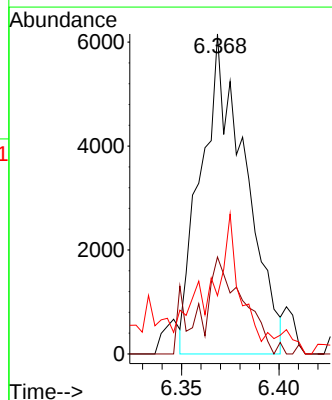
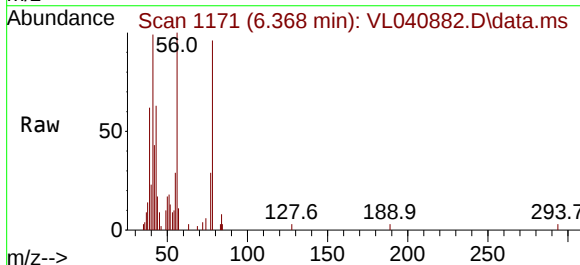
Instrument :
MSVOA_1
ClientSampleId :
NT-SS-6DL

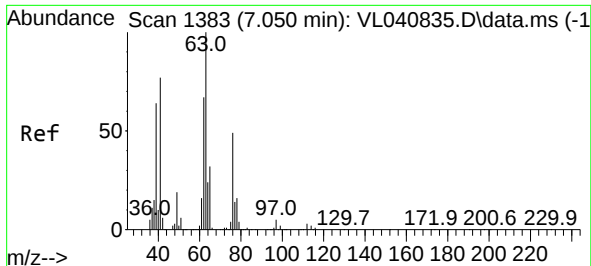
Tgt Ion: 43 Resp: 81409
Ion Ratio Lower Upper
43 100
72 20.7 17.2 25.8



#36
Benzene
Concen: 0.051 ppbv
RT: 6.368 min Scan# 1171
Delta R.T. 0.019 min
Lab File: VL040882.D
Acq: 15 Nov 2023 23:59

Tgt Ion: 78 Resp: 9689
Ion Ratio Lower Upper
78 100
77 28.9 18.4 27.6#
50 13.4 16.2 24.2#





#39

1,2-Dichloropropane

Concen: 8.174 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.396 min

Lab File: VL040882.D

Acq: 15 Nov 2023 23:59

Instrument :

MSVOA_L

ClientSampleId :

NT-SS-6DL

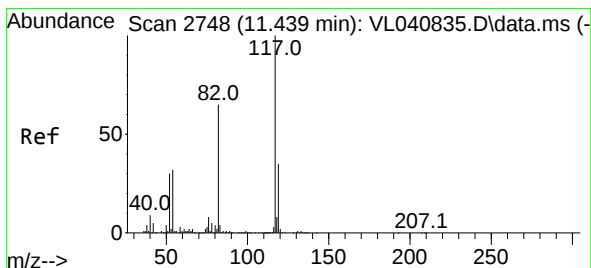
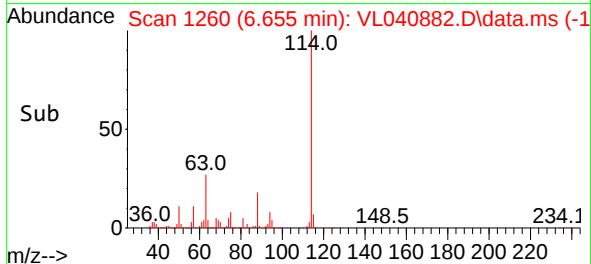
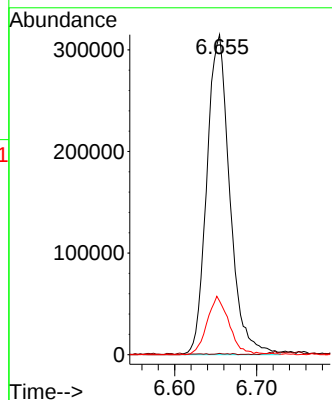
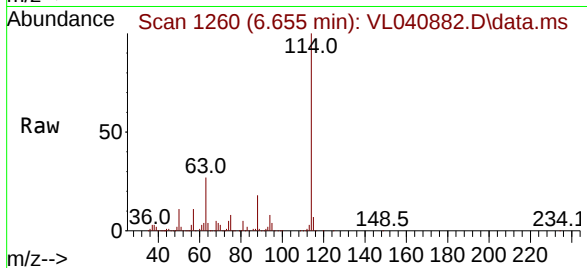
Tgt Ion: 63 Resp: 613377

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 16.7 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.449 min Scan# 2751

Delta R.T. 0.010 min

Lab File: VL040882.D

Acq: 15 Nov 2023 23:59

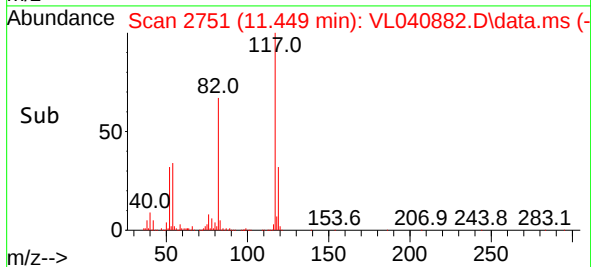
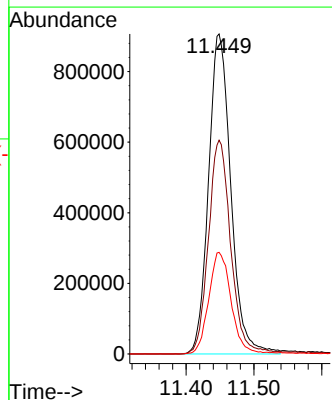
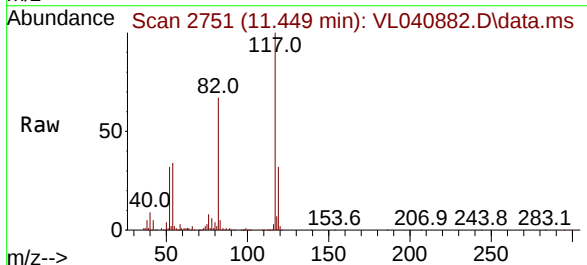
Tgt Ion: 117 Resp: 2072005

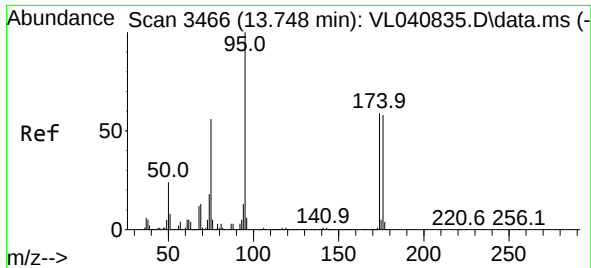
Ion Ratio Lower Upper

117 100

82 68.0 50.6 75.8

119 32.4 23.3 34.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.849 ppbv
 RT: 13.754 min Scan# 3468
 Delta R.T. 0.006 min
 Lab File: VL040882.D
 Acq: 15 Nov 2023 23:59

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-6DL

Tgt Ion: 95 Resp: 1597692

Ion	Ratio	Lower	Upper
95	100		
174	60.8	47.5	71.3
175	4.5	3.6	5.4

