

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014826.D
 Acq On : 26 Jul 2023 01:35
 Operator : SY/MD
 Sample : 03741-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P25B

Quant Time: Jul 26 03:35:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

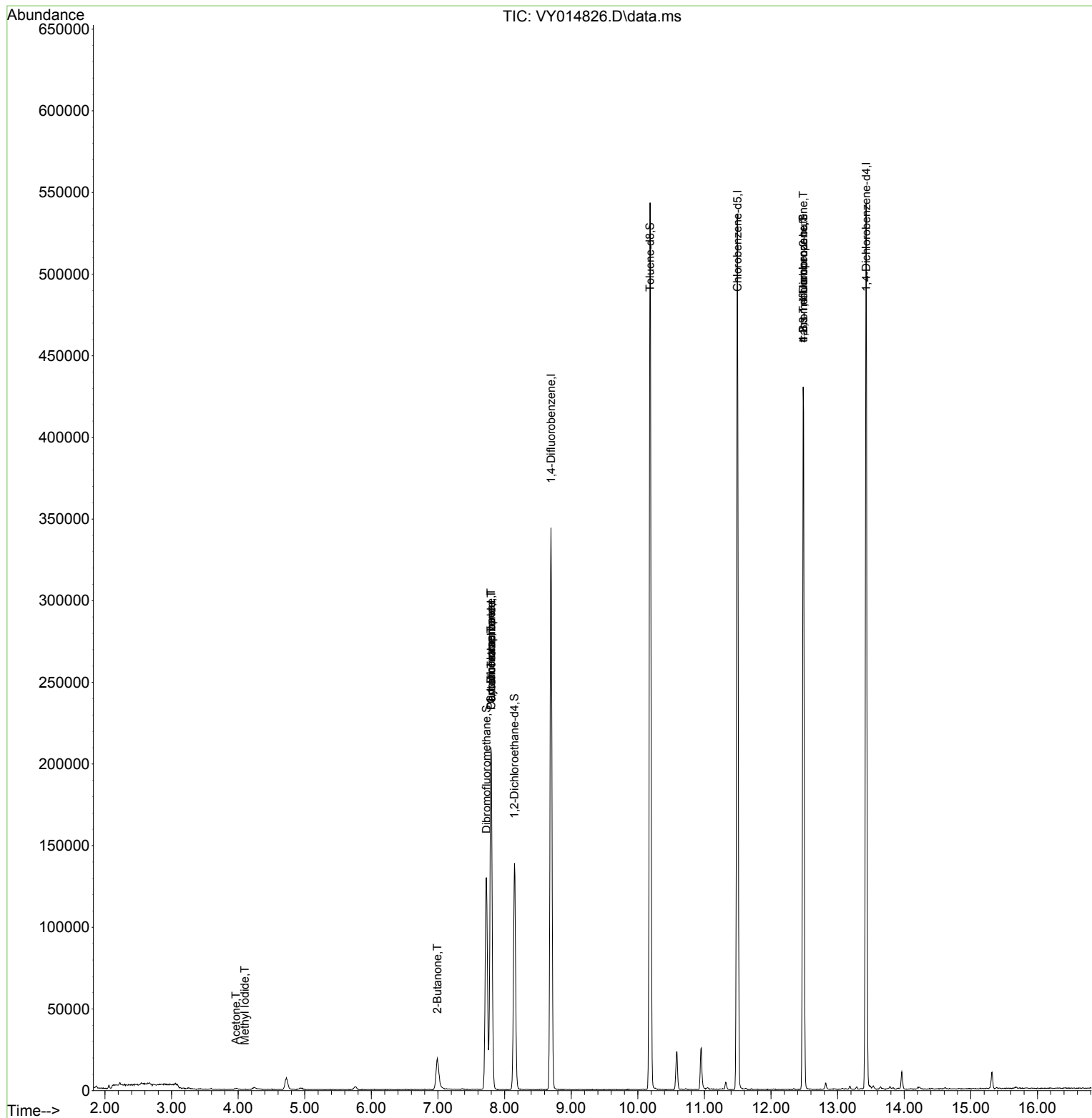
Internal Standards						
1) Pentafluorobenzene	7.801	168	165593	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	296716	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	282442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	107901	57.181	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.360%
35) Dibromofluoromethane	7.728	113	94357	49.955	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.920%
50) Toluene-d8	10.184	98	353465	50.758	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.520%
62) 4-Bromofluorobenzene	12.483	95	129655	48.557	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.120%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.100	142	149	2.446	ug/l #	38
11) Tert butyl alcohol	4.966	59	401	Below Cal	#	89
16) Acetone	3.966	43	1310	2.191	ug/l	95
20) Methylene Chloride	4.728	84	5097	Below Cal		88
25) 2-Butanone	6.990	43	1445	1.652	ug/l #	75
31) Cyclohexane	7.795	56	3533	1.128	ug/l #	14
36) 1,1-Dichloropropene	7.795	75	12955	4.586	ug/l #	51
38) Carbon Tetrachloride	7.801	117	16972	5.684	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	68843	41.487	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	68843	80.326	ug/l #	11

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

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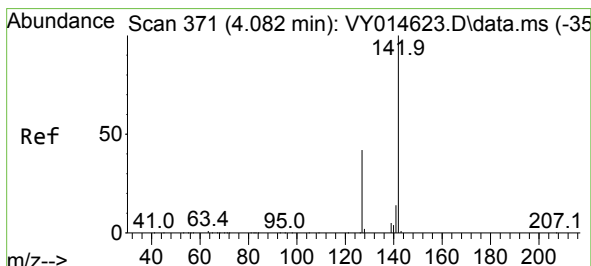
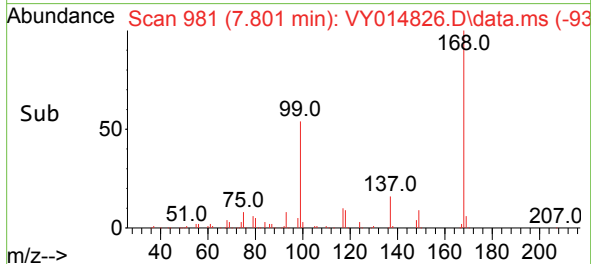
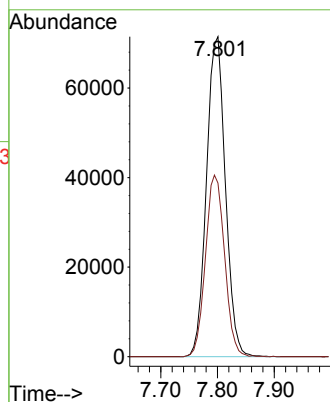
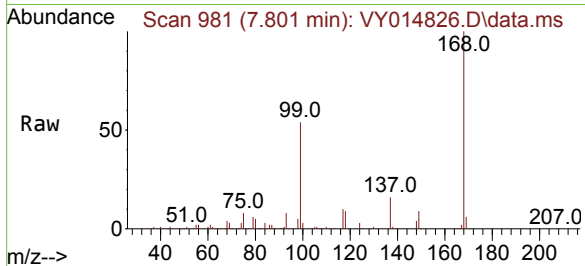




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

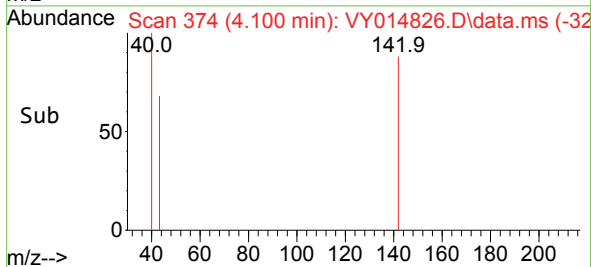
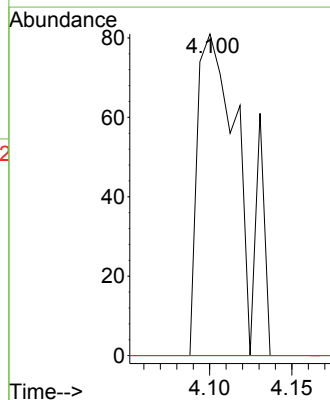
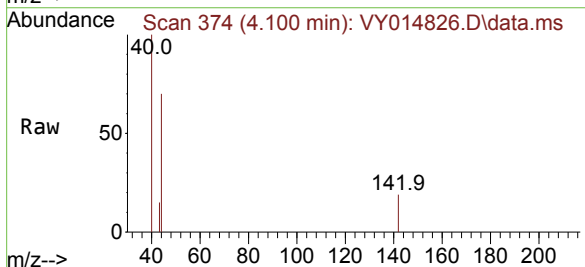
Instrument :
MSVOA_Y
ClientSampleId :
B-P25B

Tgt Ion:168 Resp: 165593
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#10
Methyl Iodide
Concen: 2.446 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.018 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

Tgt Ion:142 Resp: 149
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

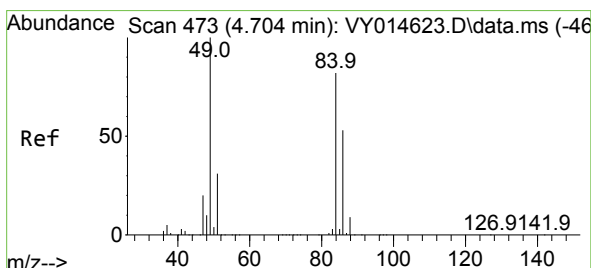
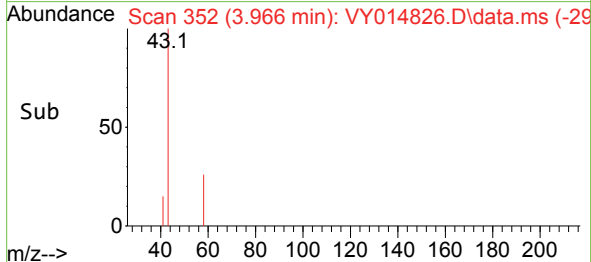
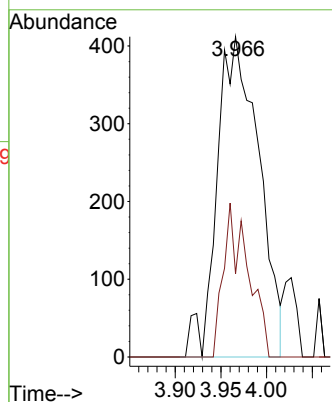
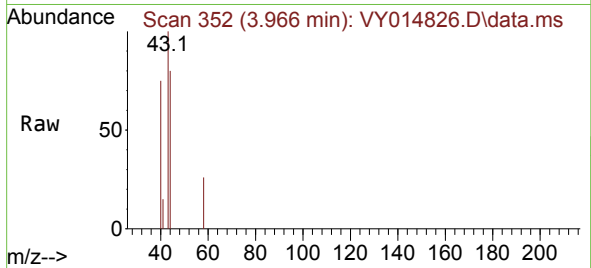




#16
Acetone
Concen: 2.191 ug/l
RT: 3.966 min Scan# 310
Delta R.T. 0.024 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

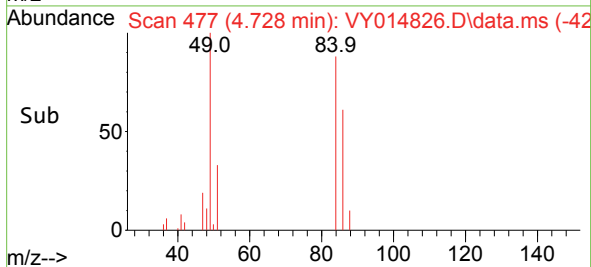
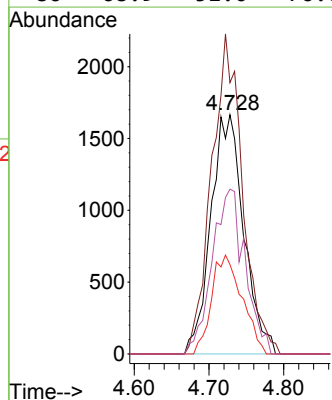
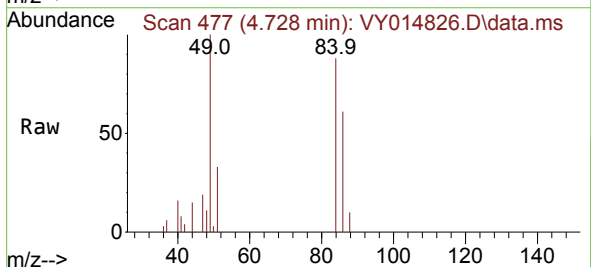
Instrument :
MSVOA_Y
ClientSampleId :
B-P25B

Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
58 26.0 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.024 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

Tgt Ion: 84 Resp: 5097
Ion Ratio Lower Upper
84 100
49 113.5 106.9 160.3
51 37.4 33.2 49.8
86 68.9 51.0 76.6

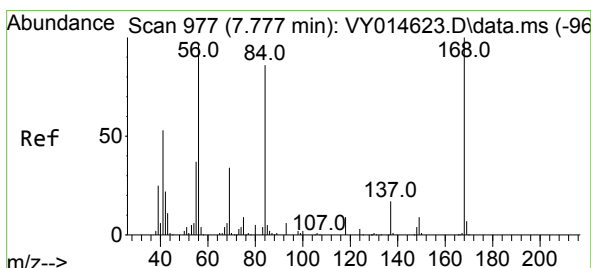
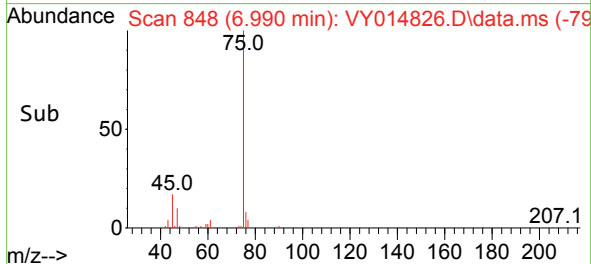
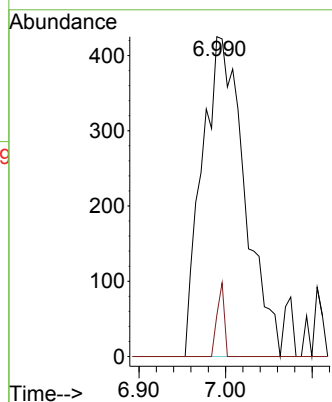
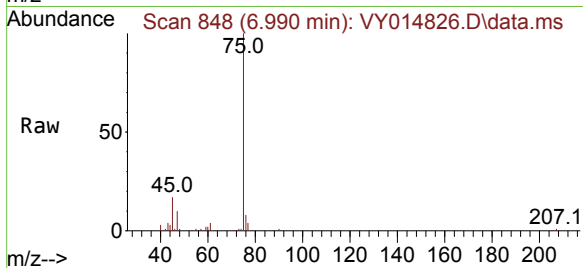




#25
2-Butanone
Concen: 1.652 ug/l
RT: 6.990 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

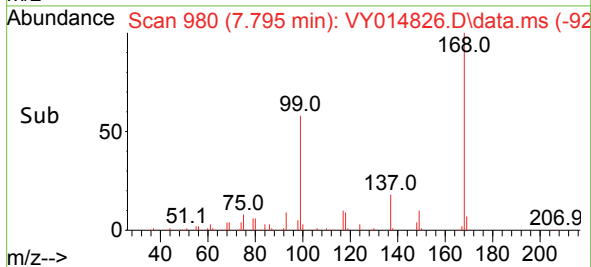
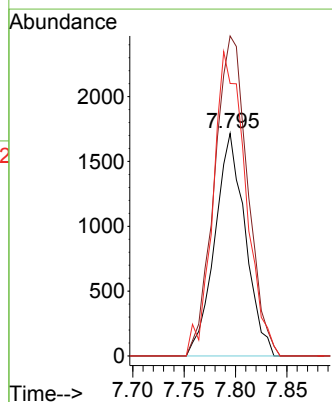
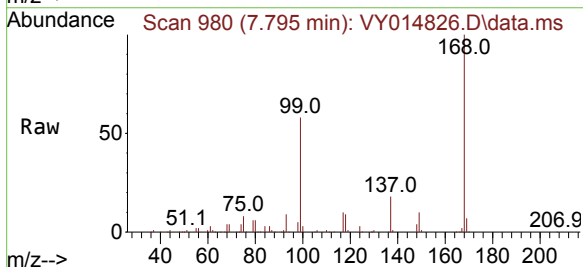
Instrument :
MSVOA_Y
ClientSampleId :
B-P25B

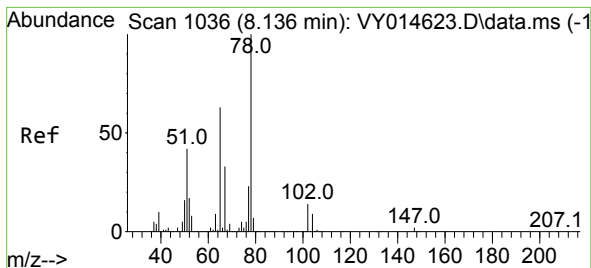
Tgt Ion: 43 Resp: 1445
Ion Ratio Lower Upper
43 100
72 12.9 20.5 30.7#



#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.018 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

Tgt Ion: 56 Resp: 3533
Ion Ratio Lower Upper
56 100
69 143.7 27.8 41.6#
84 122.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.181 ug/l

RT: 8.148 min Scan# 1036

Delta R.T. 0.012 min

Lab File: VY014826.D

Acq: 26 Jul 2023 01:35

Instrument :

MSVOA_Y

ClientSampleId :

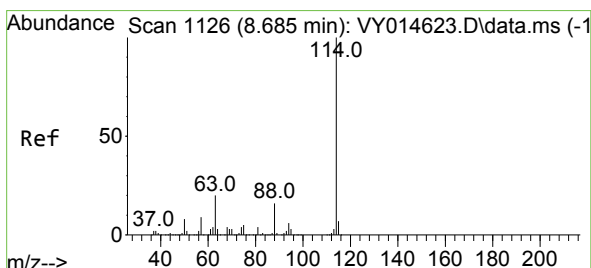
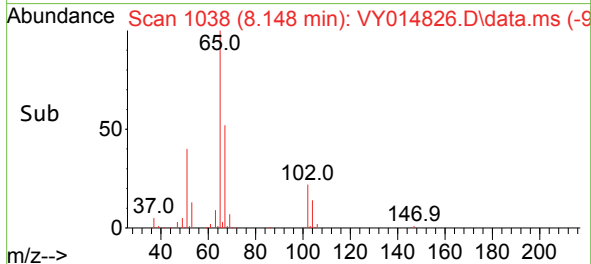
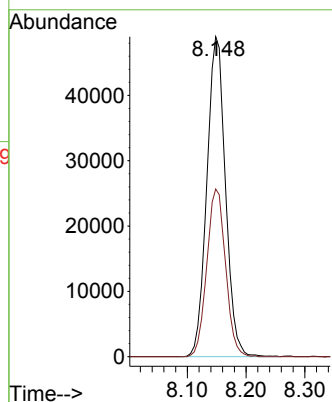
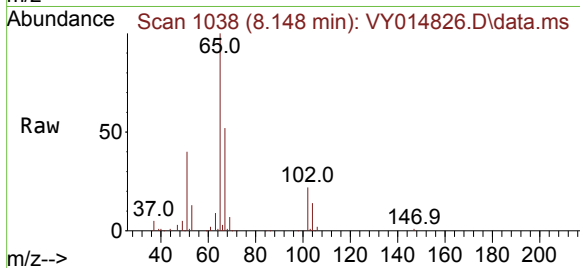
B-P25B

Tgt Ion: 65 Resp: 107901

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY014826.D

Acq: 26 Jul 2023 01:35

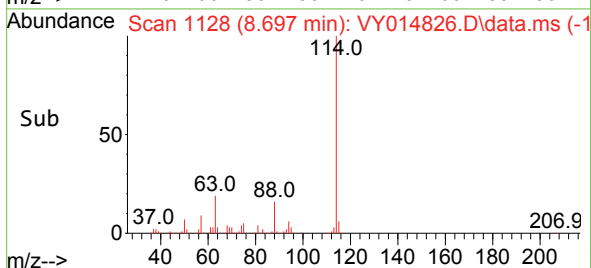
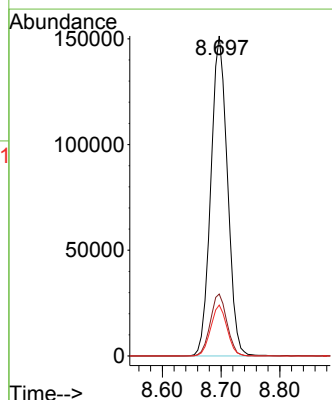
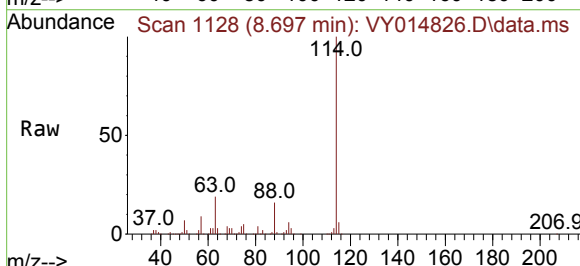
Tgt Ion:114 Resp: 296716

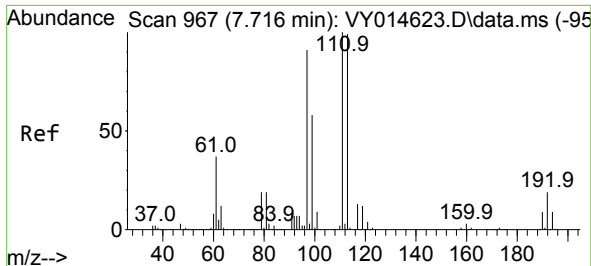
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.9 0.0 30.6

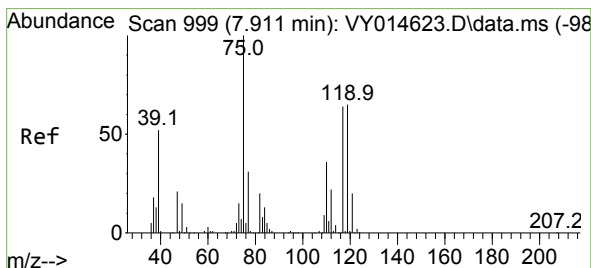
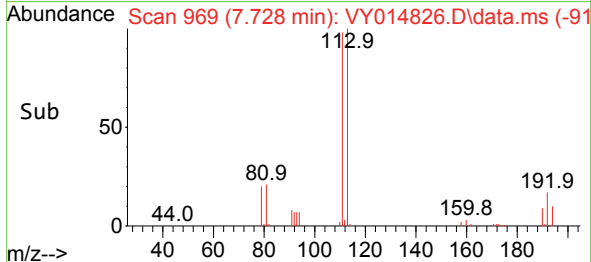
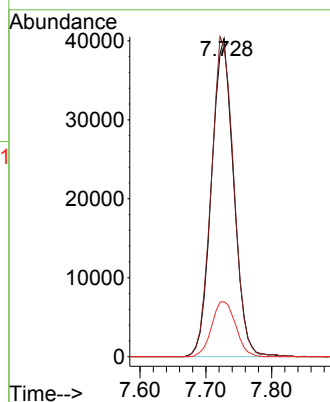
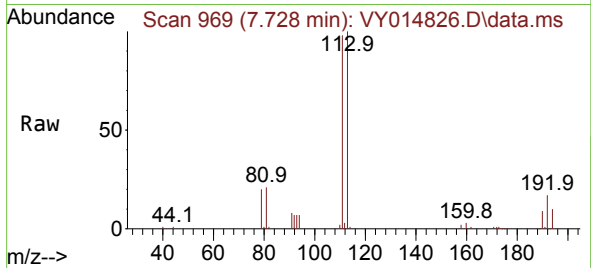




#35
Dibromofluoromethane
Concen: 49.955 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

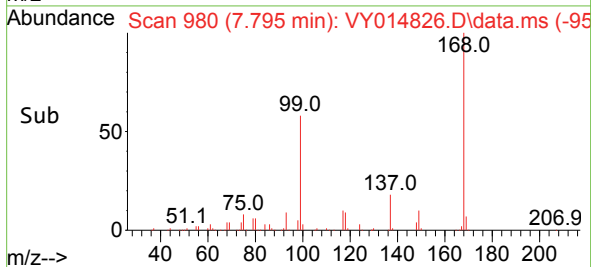
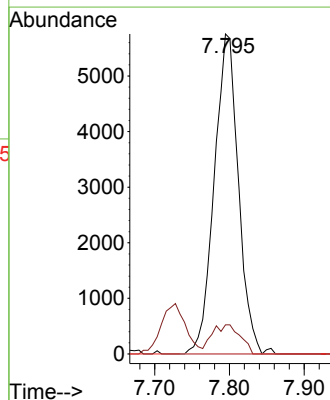
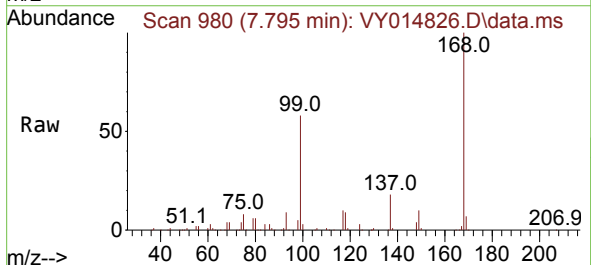
Instrument :
MSVOA_Y
ClientSampleId :
B-P25B

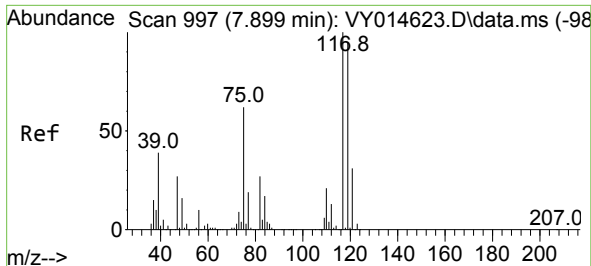
Tgt Ion:113 Resp: 94357
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.586 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

Tgt Ion: 75 Resp: 12955
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.5#
77 0.0 24.4 36.6#

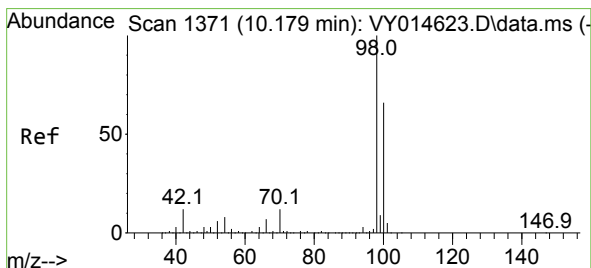
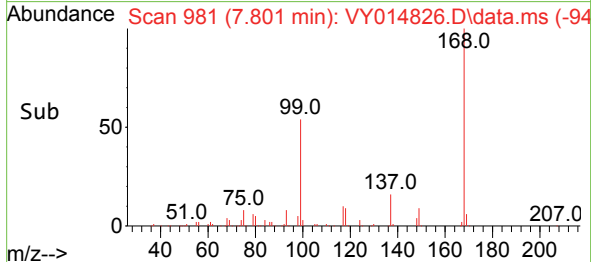
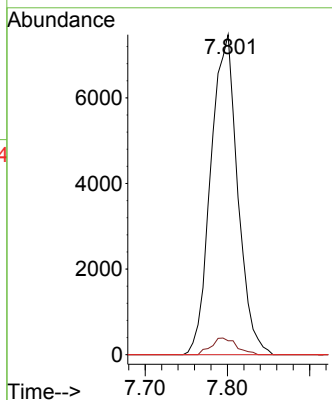
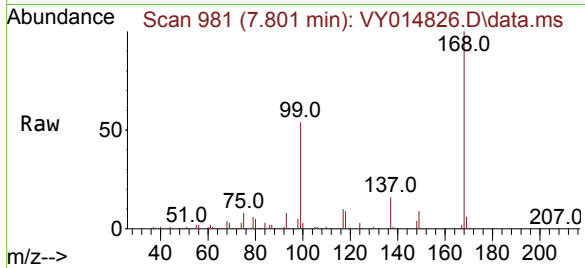




#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

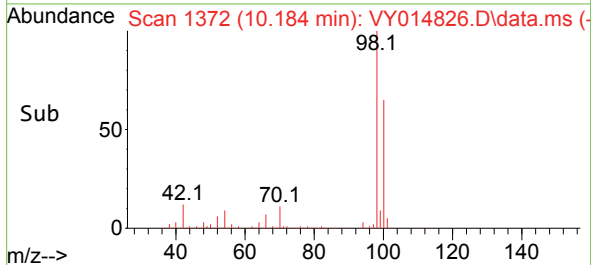
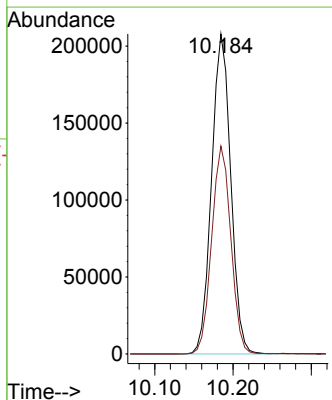
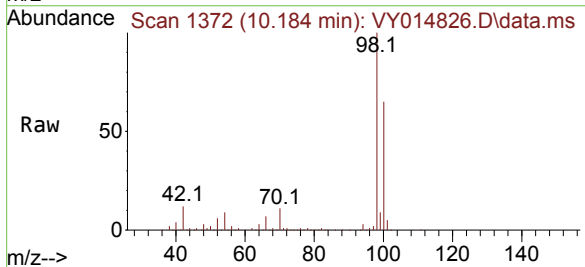
Instrument :
MSVOA_Y
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B-P25B

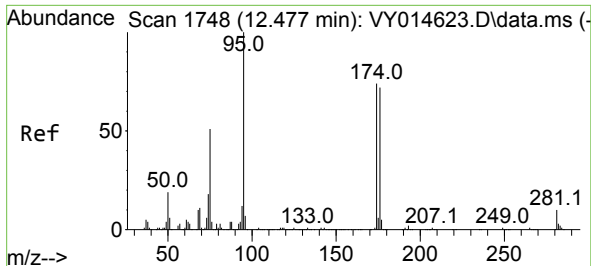
Tgt Ion:117 Resp: 16972
Ion Ratio Lower Upper
117 100
119 4.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.758 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. 0.005 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

Tgt Ion: 98 Resp: 353465
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

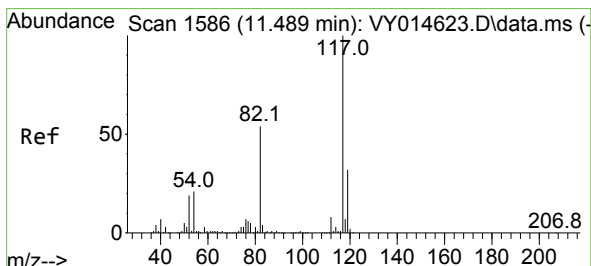
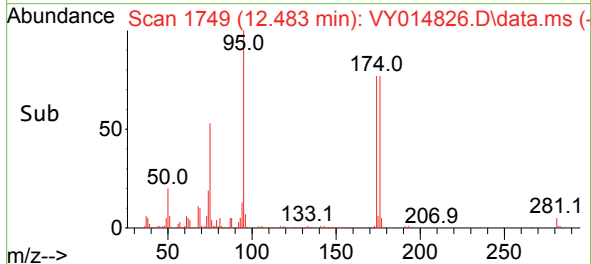
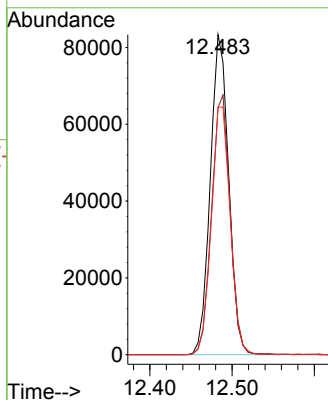
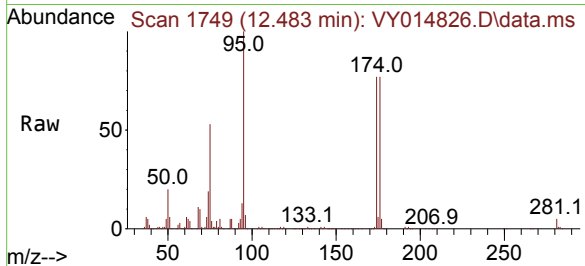




#62
4-Bromofluorobenzene
Concen: 48.557 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

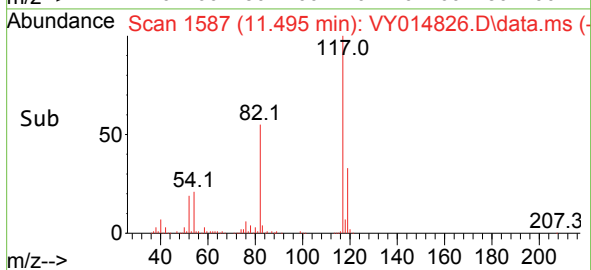
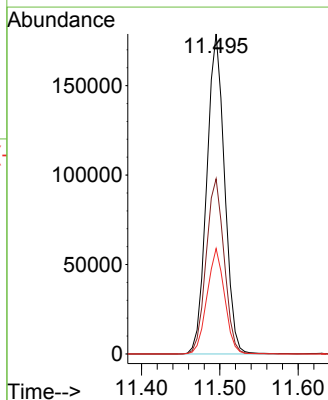
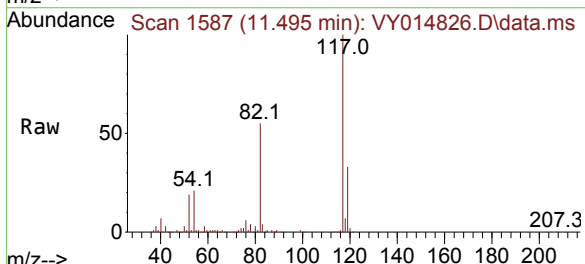
Instrument :
MSVOA_Y
ClientSampleId :
B-P25B

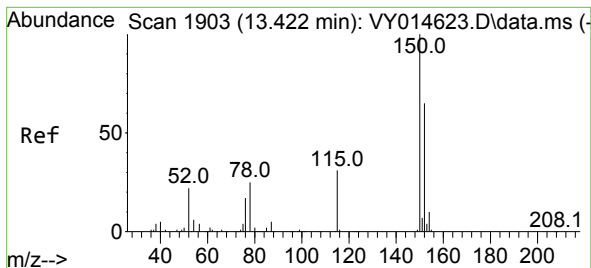
Tgt Ion: 95 Resp: 129655
Ion Ratio Lower Upper
95 100
174 82.2 0.0 178.2
176 79.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014826.D
Acq: 26 Jul 2023 01:35

Tgt Ion: 117 Resp: 282442
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.0
119 32.9 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY014826.D

Acq: 26 Jul 2023 01:35

Instrument :

MSVOA_Y

ClientSampleId :

B-P25B

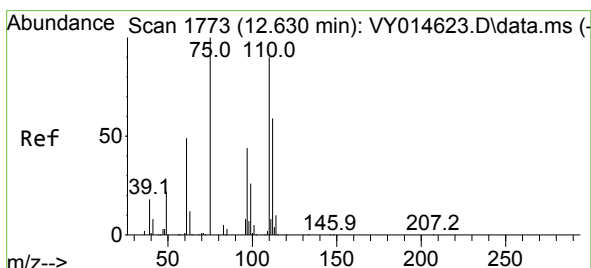
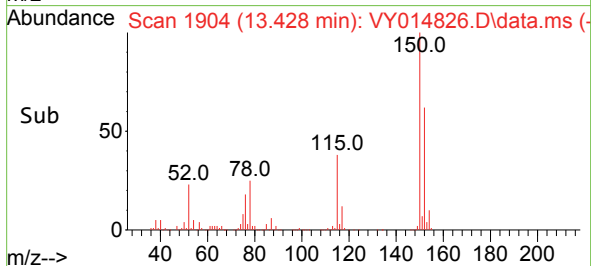
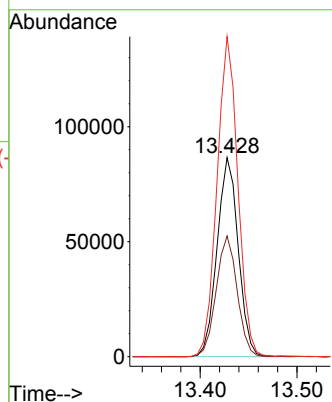
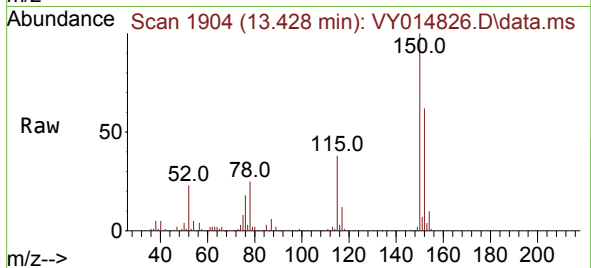
Tgt Ion:152 Resp: 131388

Ion Ratio Lower Upper

152 100

115 60.2 28.8 86.5

150 158.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.487 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY014826.D

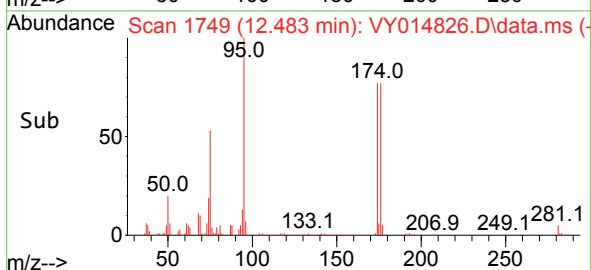
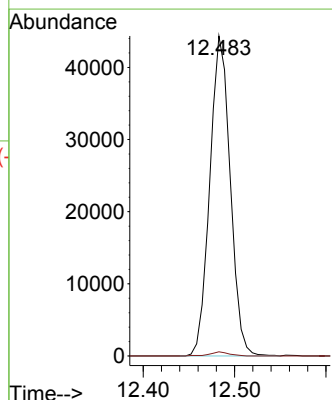
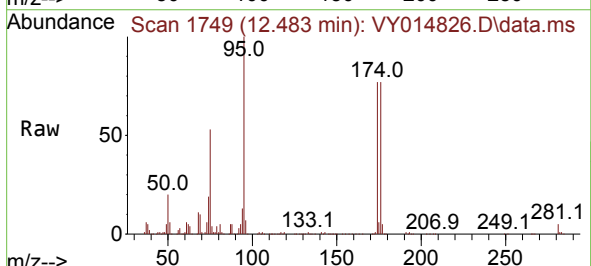
Acq: 26 Jul 2023 01:35

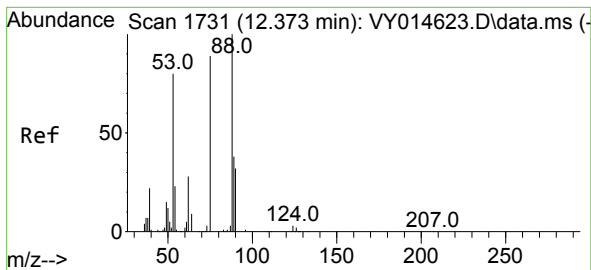
Tgt Ion: 75 Resp: 68843

Ion Ratio Lower Upper

75 100

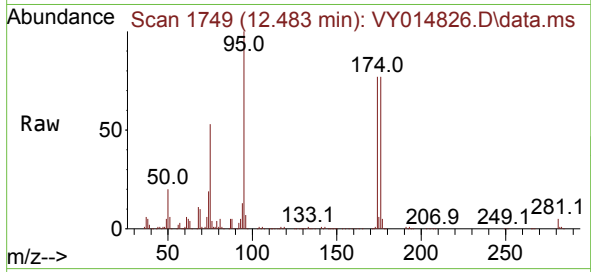
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.326 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014826.D
 Acq: 26 Jul 2023 01:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P25B



Tgt Ion: 75 Resp: 68843
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.2 37.4 56.0#

