

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041433.D
 Acq On : 29 Jul 2024 17:40
 Operator : SY/MD
 Sample : P3342-11 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-SS-05

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

Quant Time: Jul 30 02:52:06 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Jul 30 02:42:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1109829	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	3030276	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2865022	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 2215160 10.047 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	24312	0.127	ppbv	95
10) Heptane	7.581	43	195591	1.434	ppbv	98
13) Ethanol	3.237	45	323535	59.642	ppbv	93
15) Acetone	3.462	43	788707	6.255	ppbv #	80
19) Isopropyl Alcohol	3.578	45	132791m	1.801	ppbv	
20) Methylene Chloride	3.928	84	1298661	27.618	ppbv	98
26) Hexane	5.211	57	1481979	14.261	ppbv #	38
29) Chloroform	5.269	83	123192	0.727	ppbv	93
30) Cyclohexane	6.607	84	53320m	0.630	ppbv	
34) 2-Butanone	4.790	43	59334	0.405	ppbv	93
36) Benzene	6.365	78	419381	1.894	ppbv	97
44) 2,2,4-Trimethylpentane	7.324	57	315376	0.853	ppbv #	78
52) Tetrachloroethene	10.626	164	6335m	0.074	ppbv	
53) Toluene	9.217	91	2162966	8.770	ppbv	100
58) Ethyl Benzene	12.089	91	420678	1.274	ppbv	94
59) m/p-Xylene	12.346	91	1212994	4.255	ppbv	95
60) o-Xylene	13.056	91	417372	1.548	ppbv	98
61) Styrene	12.902	104	37585	0.309	ppbv	97
72) 4-Ethyltoluene	15.191	105	109611m	0.345	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	60745	0.222	ppbv	93
74) 1,2,4-Trimethylbenzene	16.108	105	259580	0.816	ppbv #	72

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

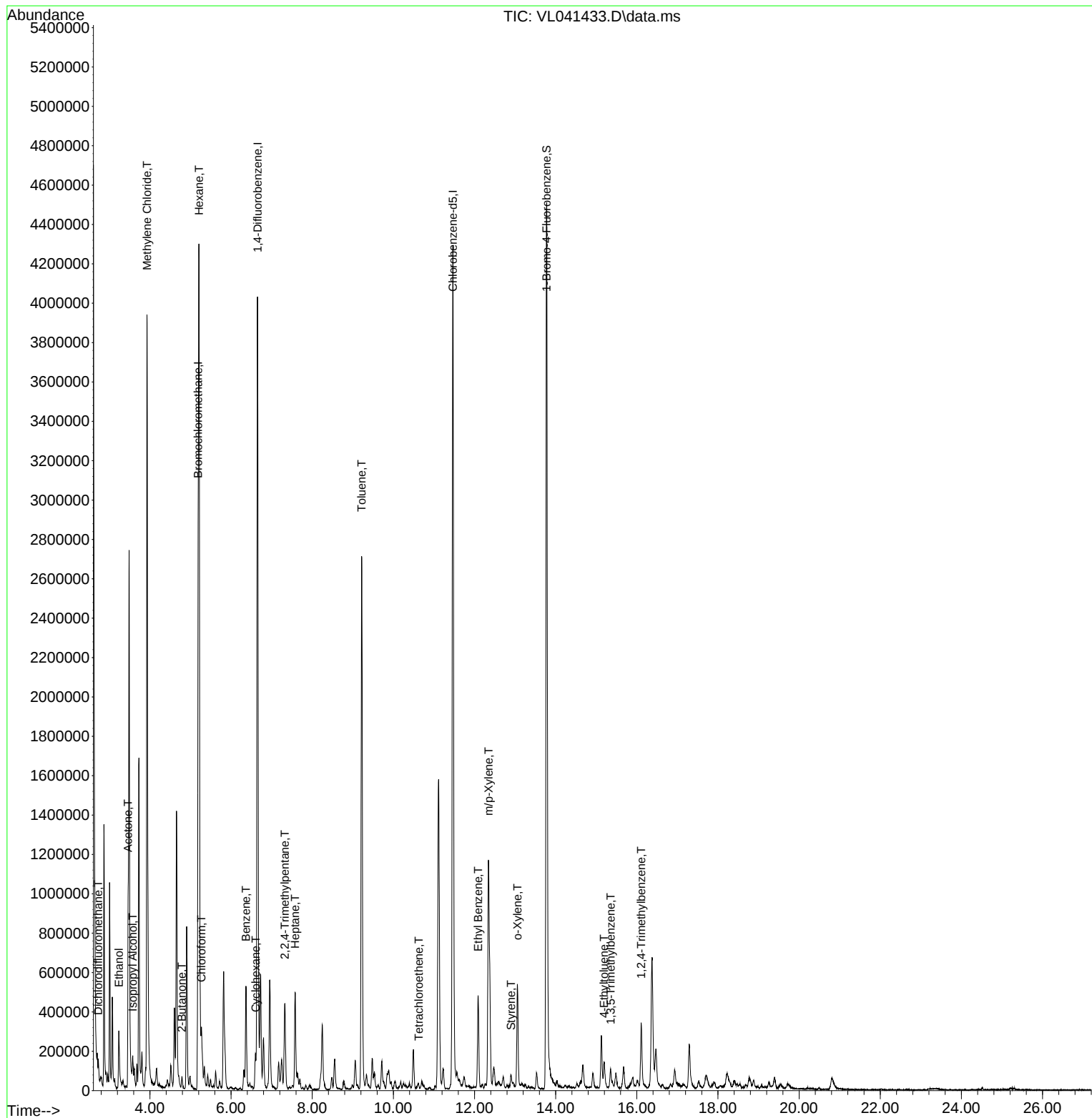
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041433.D
Acq On : 29 Jul 2024 17:40
Operator : SY/MD
Sample : P3342-11 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

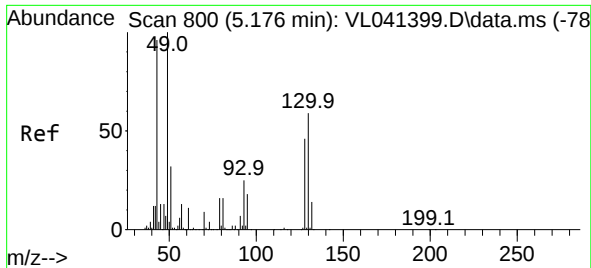
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05

Quant Time: Jul 30 02:52:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jul 30 02:42:20 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Mahesh Dadoda 07/30/2024
Supervised By : Semsettin Yesilyurt 07/30/2024





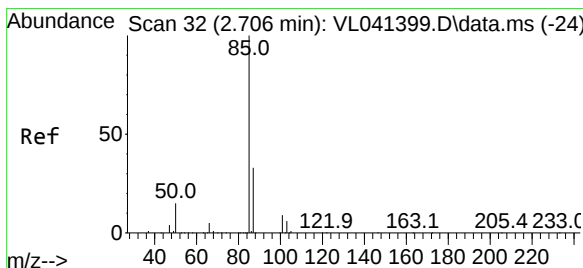
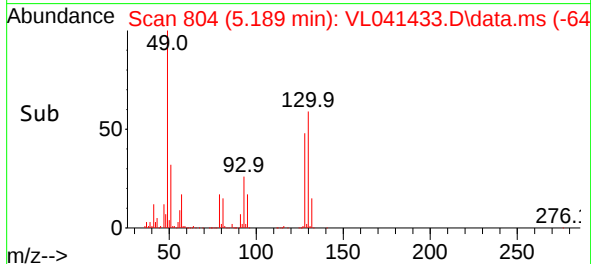
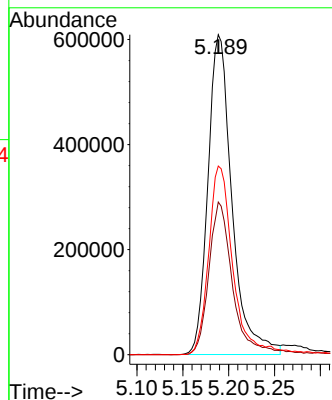
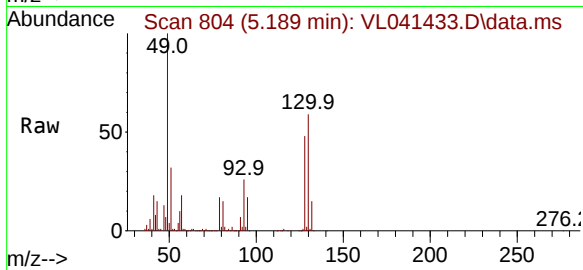
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05

Tgt Ion: 49 Resp: 1109829
Ion Ratio Lower Upper
49 100
128 48.6 23.8 71.4
130 61.5 30.8 92.4

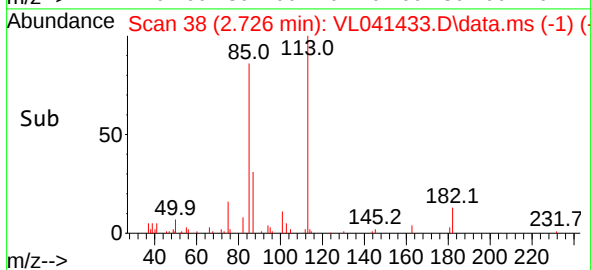
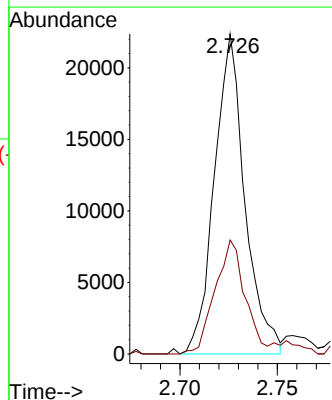
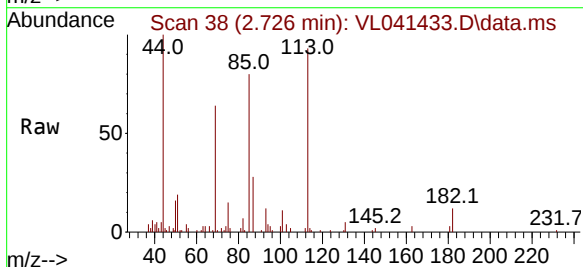
Manual Integrations
APPROVED

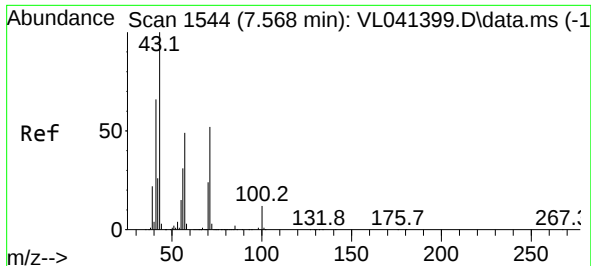
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#2
Dichlorodifluoromethane
Concen: 0.127 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.016 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

Tgt Ion: 85 Resp: 24312
Ion Ratio Lower Upper
85 100
87 35.6 26.0 39.0





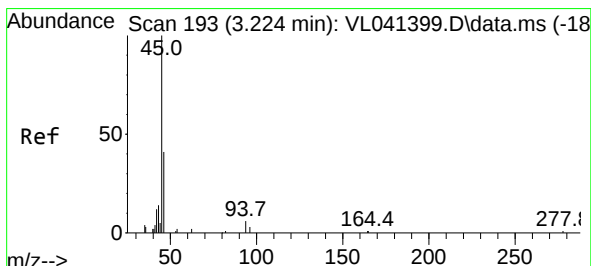
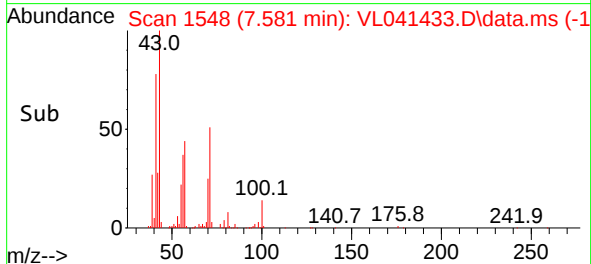
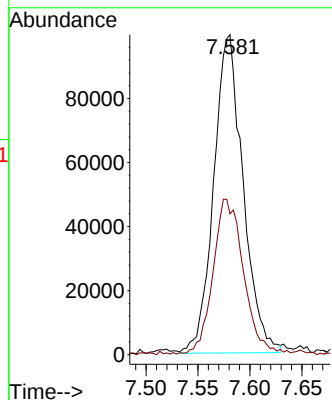
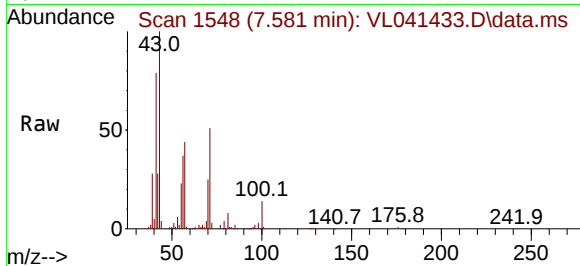
#10
Heptane
Concen: 1.434 ppbv
RT: 7.581 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05

Tgt Ion: 43 Resp: 19559
Ion Ratio Lower Upper
43 100
57 51.9 40.5 60.7

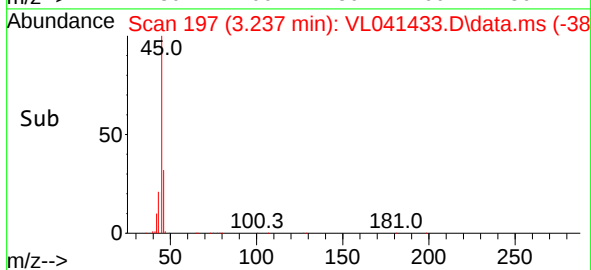
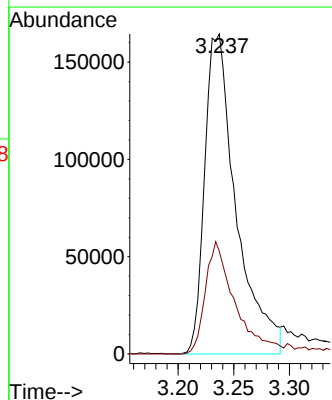
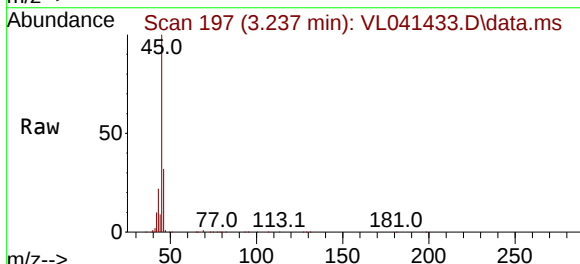
Manual Integrations
APPROVED

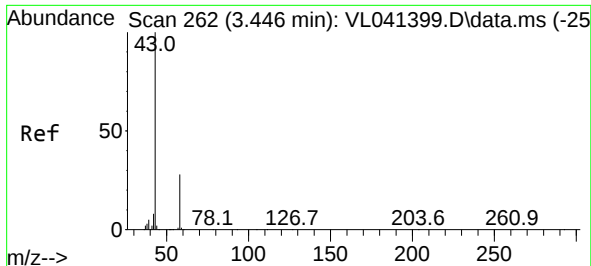
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#13
Ethanol
Concen: 59.642 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.010 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

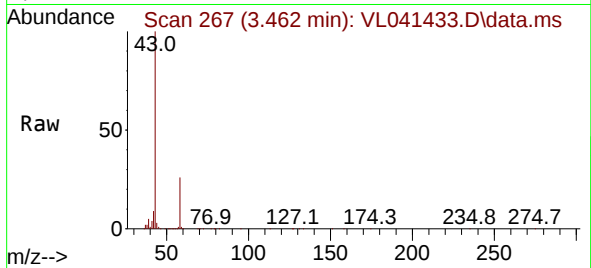
Tgt Ion: 45 Resp: 323535
Ion Ratio Lower Upper
45 100
46 37.4 13.4 53.4





#15
Acetone
Concen: 6.255 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

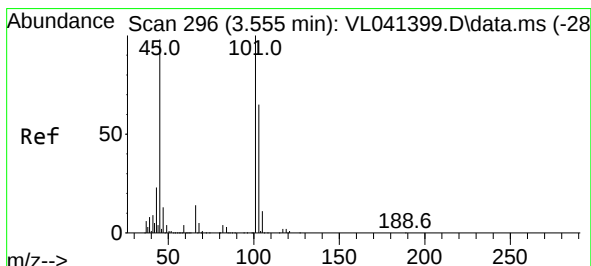
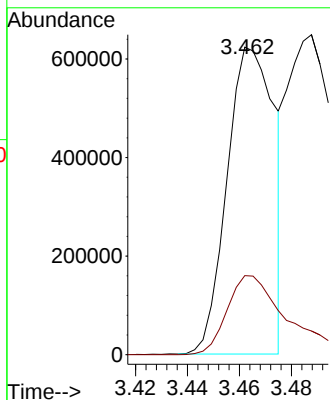
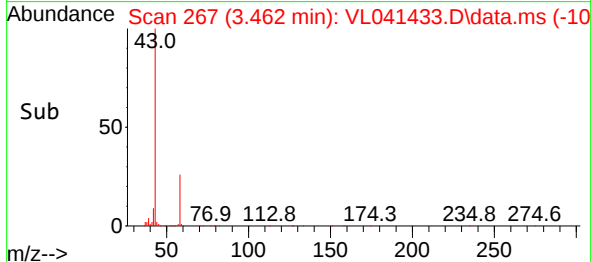
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05



Tgt Ion: 43 Resp: 78870
Ion Ratio Lower Upper
43 100
58 36.9 21.4 32.2

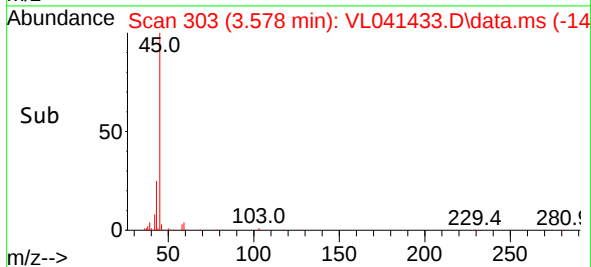
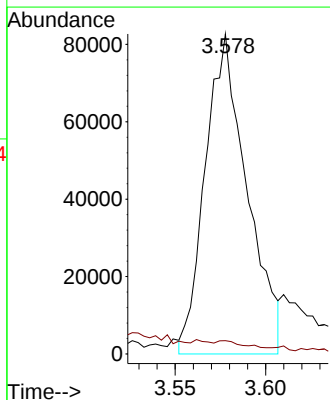
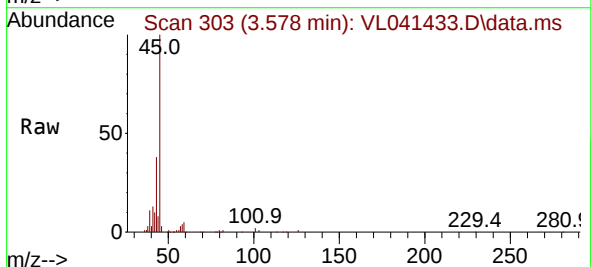
Manual Integrations
APPROVED

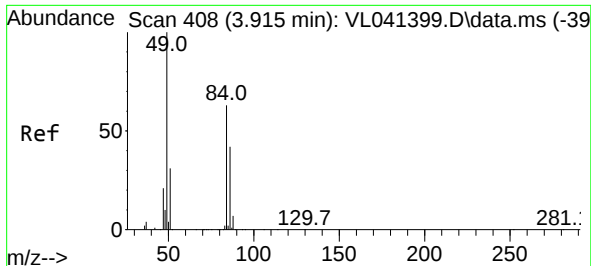
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#19
Isopropyl Alcohol
Concen: 1.801 ppbv m
RT: 3.578 min Scan# 303
Delta R.T. 0.016 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

Tgt Ion: 45 Resp: 132791
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9





#20

Methylene Chloride

Concen: 27.618 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.010 min

Lab File: VL041433.D

Acq: 29 Jul 2024 17:40

Instrument :

MSVOA_L

ClientSampleId :

ACVI-SS-05

Tgt Ion: 84 Resp: 129866

Ion Ratio Lower Upper

84 100

49 159.6 126.6 190.0

51 49.8 38.6 58.0

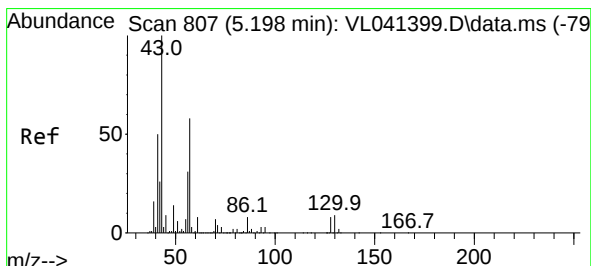
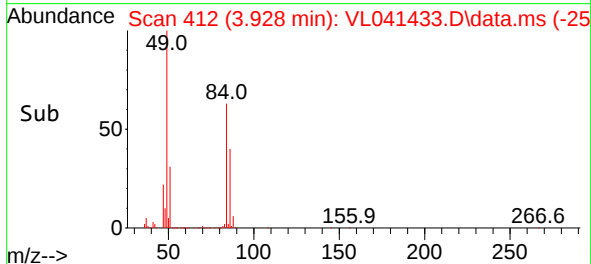
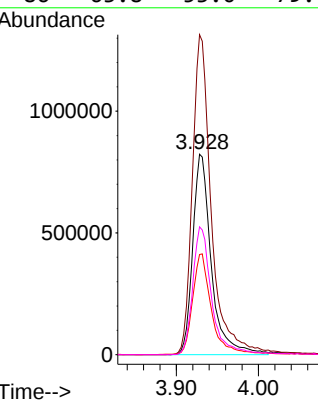
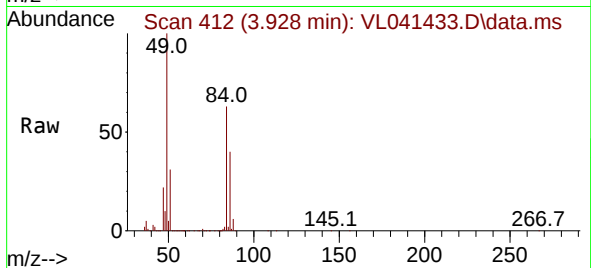
86 63.8 53.0 79.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024

Supervised By :Semsettin Yesilyurt 07/30/2024



#26

Hexane

Concen: 14.261 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.013 min

Lab File: VL041433.D

Acq: 29 Jul 2024 17:40

Tgt Ion: 57 Resp: 1481979

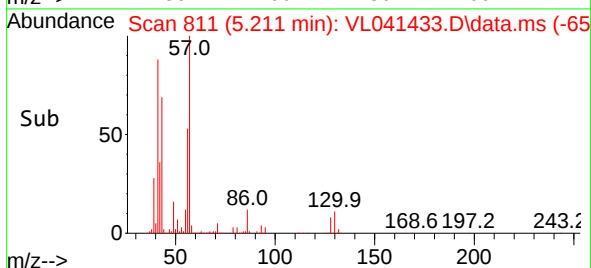
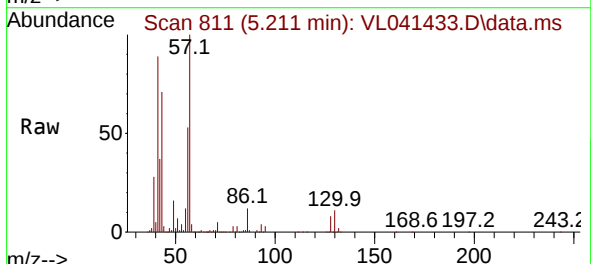
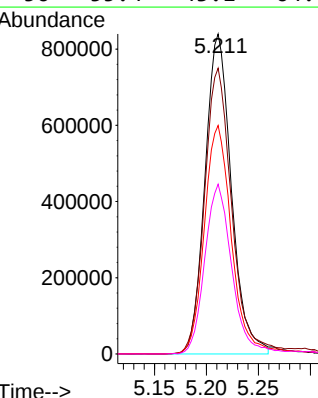
Ion Ratio Lower Upper

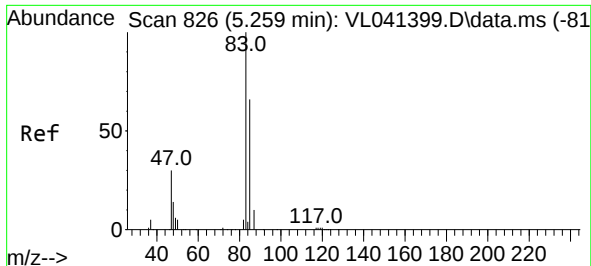
57 100

41 94.6 74.0 111.0

43 74.5 193.6 290.4#

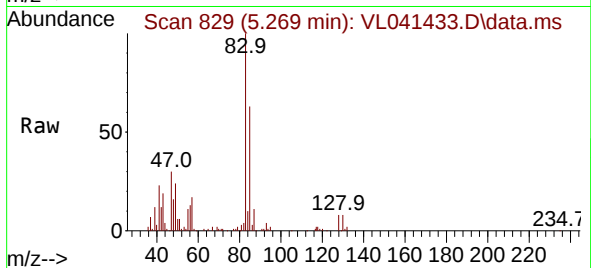
56 55.4 43.1 64.7





#29
Chloroform
Concen: 0.727 ppbv
RT: 5.269 min Scan# 829
Delta R.T. 0.006 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

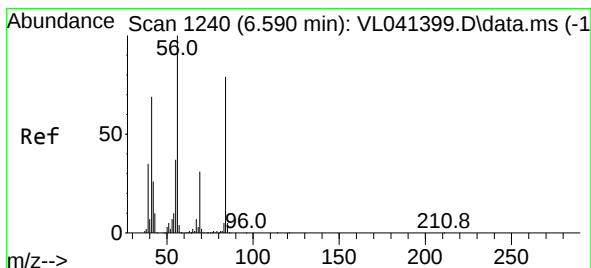
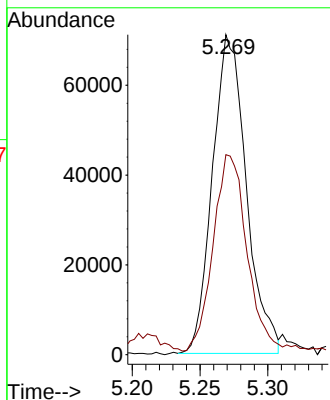
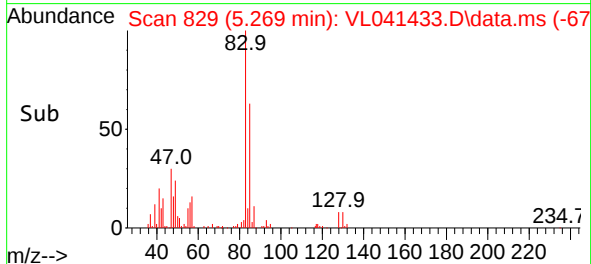
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05



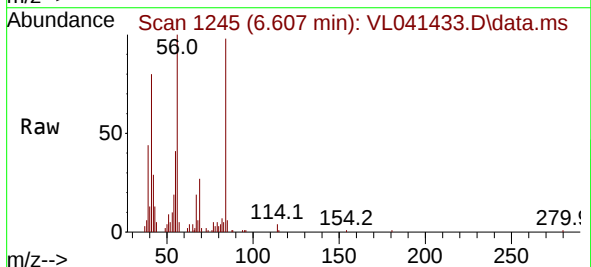
Tgt Ion: 83 Resp: 123192
Ion Ratio Lower Upper
83 100
85 60.9 53.1 79.7

Manual Integrations
APPROVED

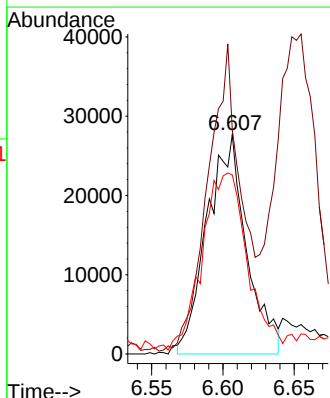
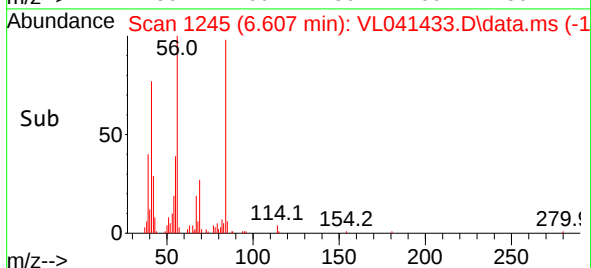
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

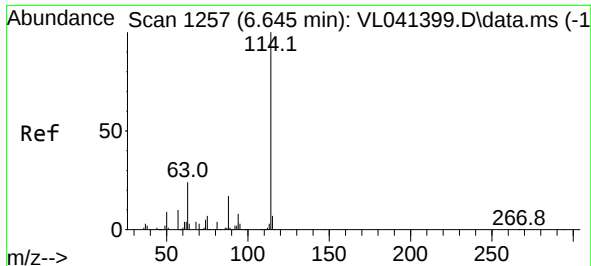


#30
Cyclohexane
Concen: 0.630 ppbv m
RT: 6.607 min Scan# 1245
Delta R.T. 0.013 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40



Tgt Ion: 84 Resp: 53320
Ion Ratio Lower Upper
84 100
56 121.8 111.2 166.8
41 88.6 70.3 105.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL041433.D

Acq: 29 Jul 2024 17:40

Instrument :

MSVOA_L

ClientSampleId :

ACVI-SS-05

Tgt Ion:114 Resp: 3030270

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

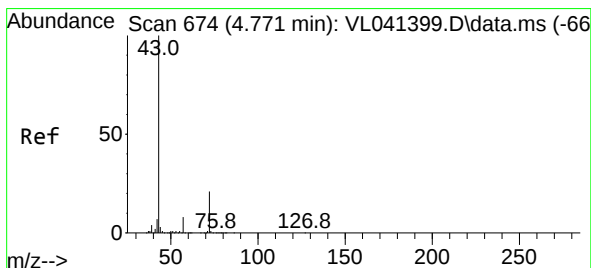
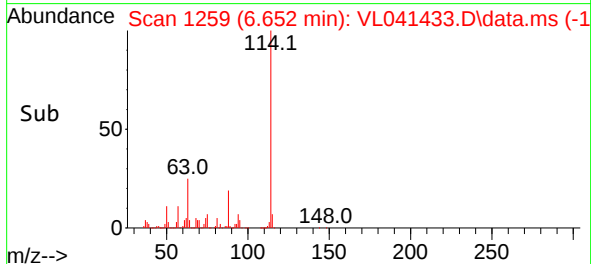
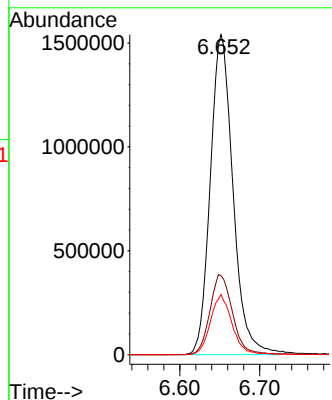
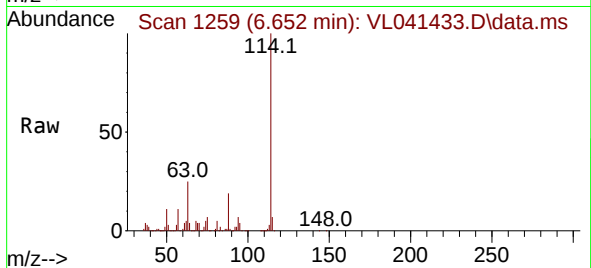
88 18.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024

Supervised By :Semsettin Yesilyurt 07/30/2024



#34

2-Butanone

Concen: 0.405 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.016 min

Lab File: VL041433.D

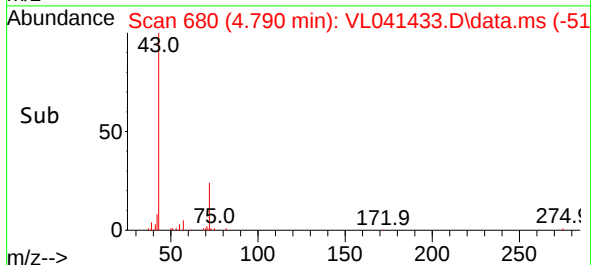
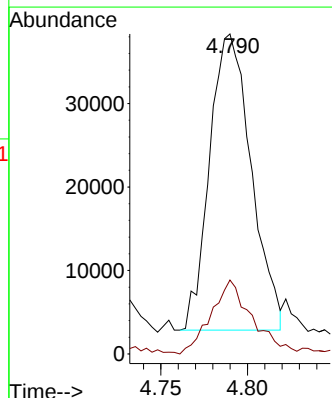
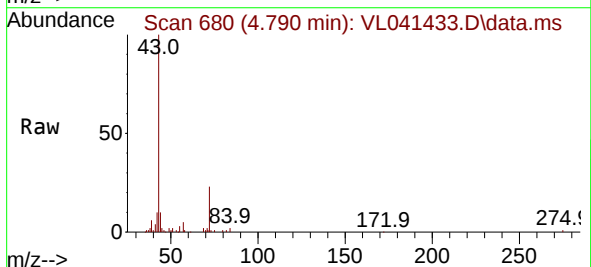
Acq: 29 Jul 2024 17:40

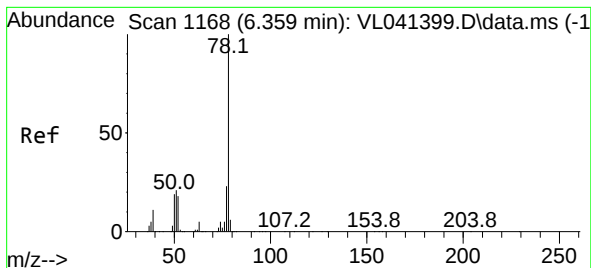
Tgt Ion: 43 Resp: 59334

Ion Ratio Lower Upper

43 100

72 25.0 17.3 25.9





#36

Benzene

Concen: 1.894 ppbv

RT: 6.365 min Scan# 1170

Delta R.T. 0.006 min

Lab File: VL041433.D

Acq: 29 Jul 2024 17:40

Instrument :

MSVOA_L

ClientSampleId :

ACVI-SS-05

Tgt Ion: 78 Resp: 41938

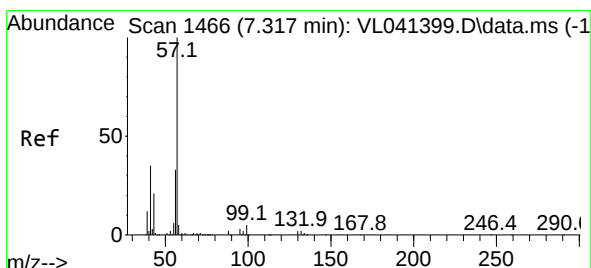
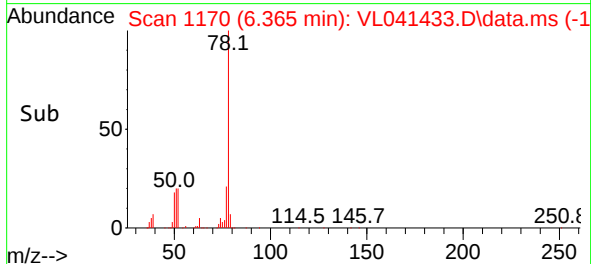
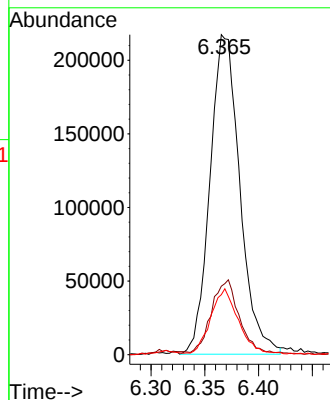
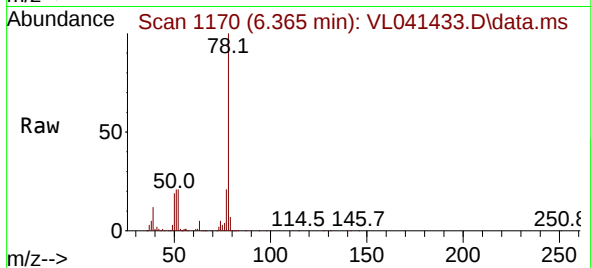
Ion	Ratio	Lower	Upper
78	100		
77	20.6	18.1	27.1
50	18.3	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024

Supervised By :Semsettin Yesilyurt 07/30/2024



#44

2,2,4-Trimethylpentane

Concen: 0.853 ppbv

RT: 7.324 min Scan# 1468

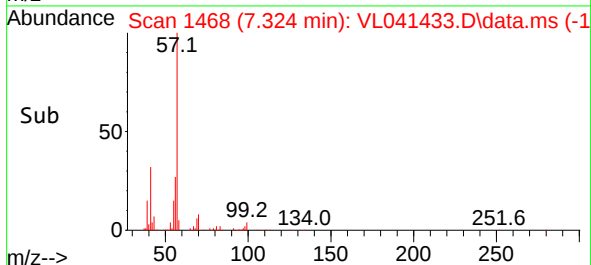
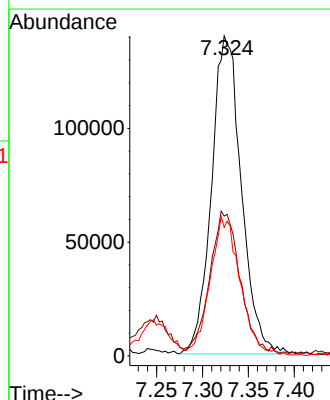
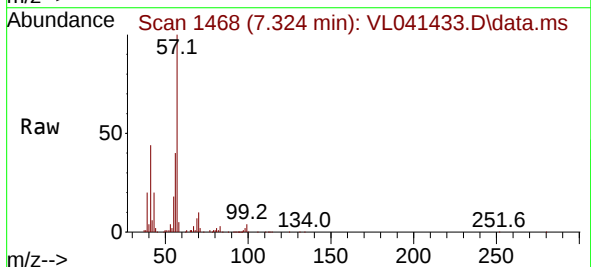
Delta R.T. 0.006 min

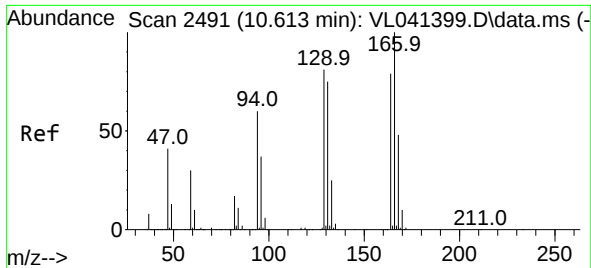
Lab File: VL041433.D

Acq: 29 Jul 2024 17:40

Tgt Ion: 57 Resp: 315376

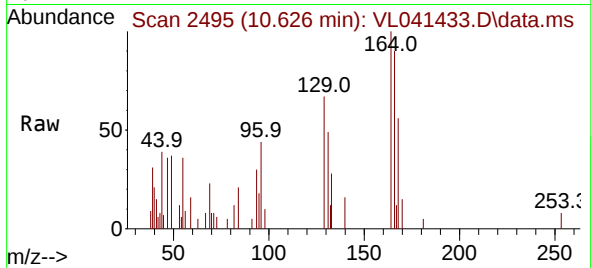
Ion	Ratio	Lower	Upper
57	100		
41	46.1	27.0	40.6#
56	44.3	25.2	37.8#





#52
Tetrachloroethene
Concen: 0.074 ppbv m
RT: 10.626 min Scan# 2491
Delta R.T. 0.016 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

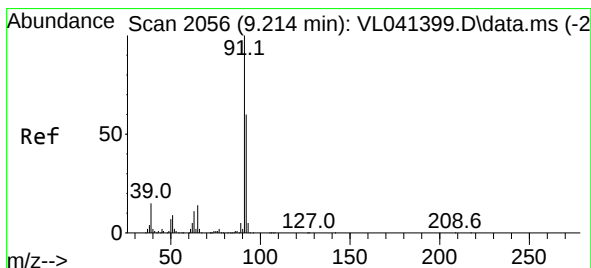
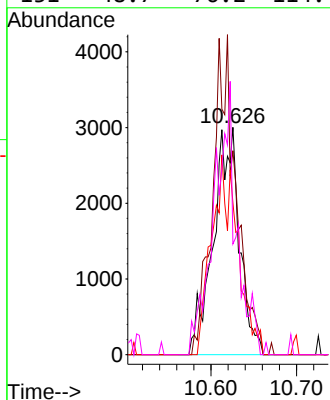
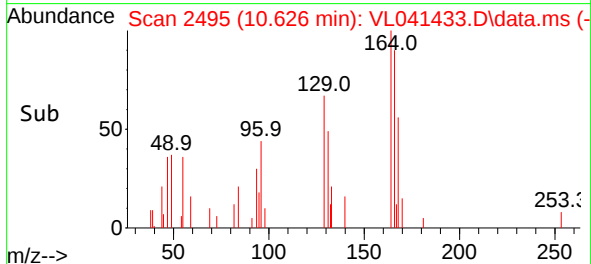
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05



Tgt Ion:164 Resp: 6335
Ion Ratio Lower Upper
164 100
166 89.7 101.1 151.7
129 66.8 81.7 122.5
131 48.7 76.2 114.4

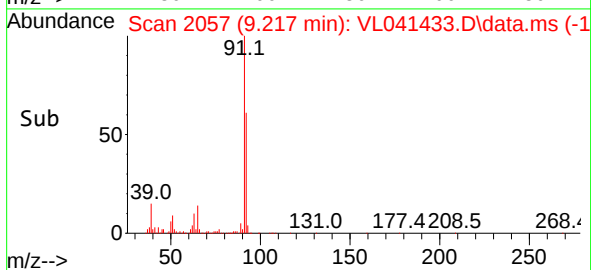
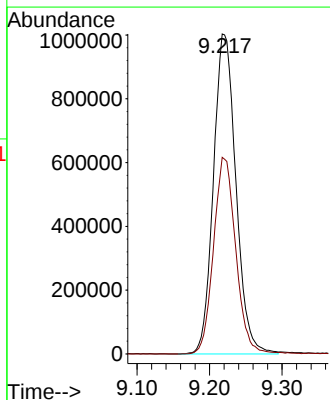
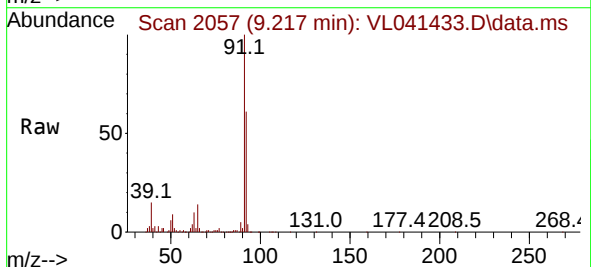
Manual Integrations
APPROVED

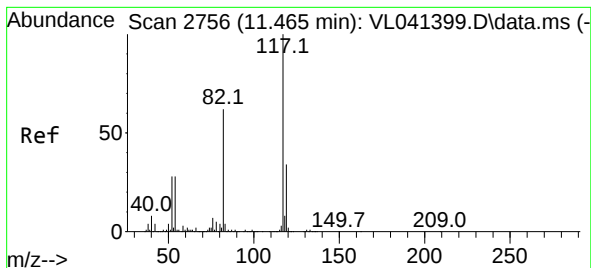
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#53
Toluene
Concen: 8.770 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

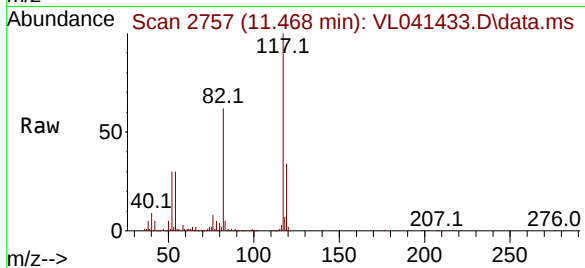
Tgt Ion: 91 Resp: 2162966
Ion Ratio Lower Upper
91 100
92 61.0 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

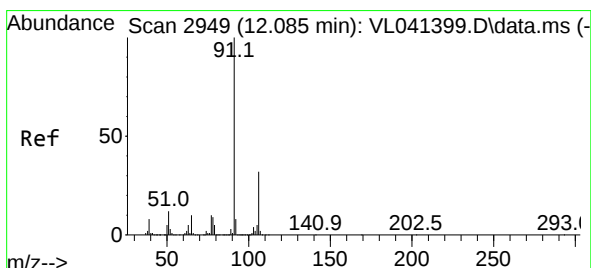
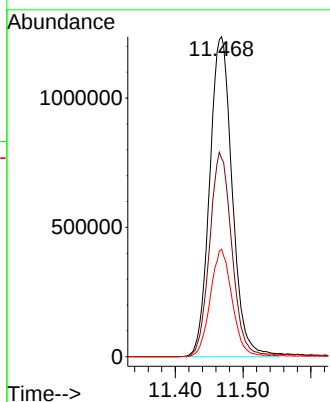
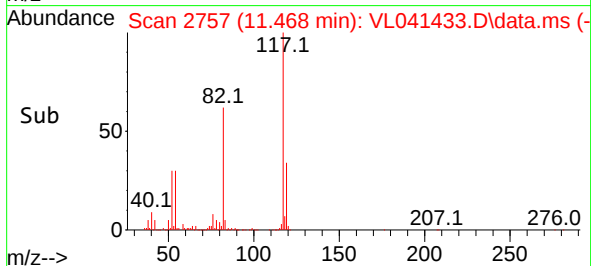
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05



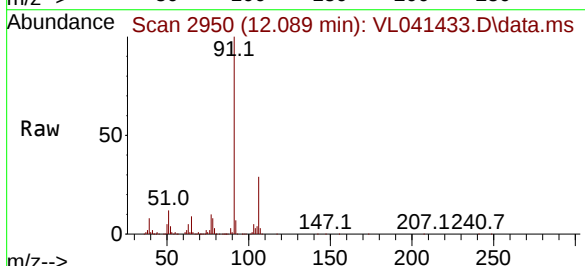
Tgt Ion:117 Resp: 286502
Ion Ratio Lower Upper
117 100
82 64.5 51.0 76.6
119 32.8 45.2 67.8

Manual Integrations
APPROVED

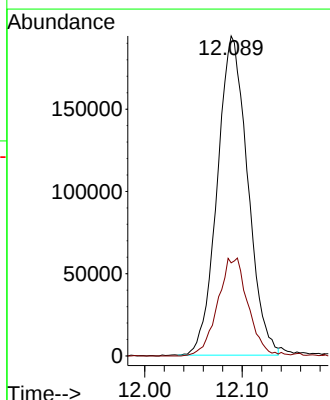
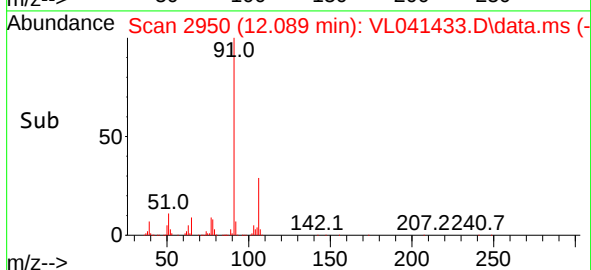
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

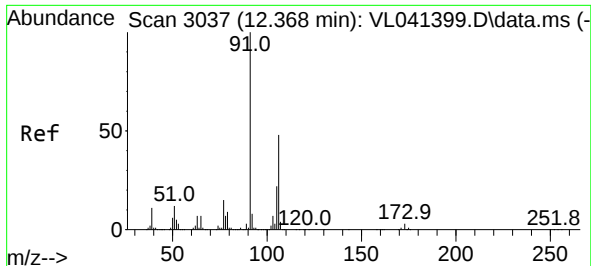


#58
Ethyl Benzene
Concen: 1.274 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40



Tgt Ion: 91 Resp: 420678
Ion Ratio Lower Upper
91 100
106 29.0 25.8 38.8





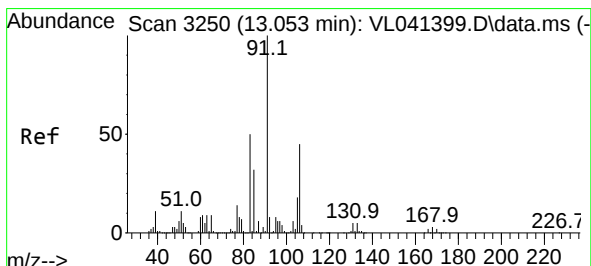
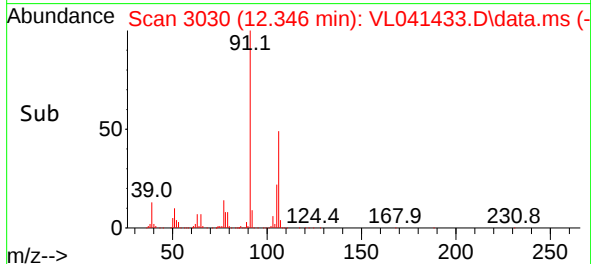
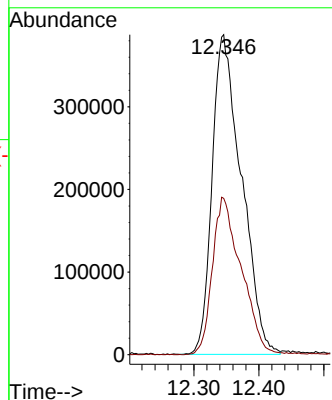
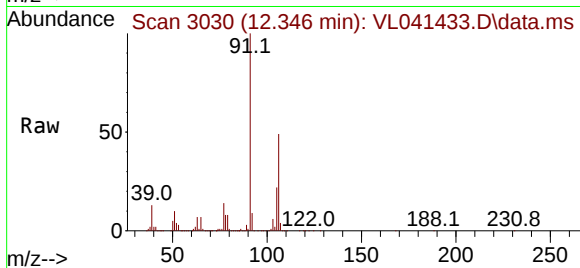
#59
m/p-Xylene
Concen: 4.255 ppbv
RT: 12.346 min Scan# 3030
Delta R.T. -0.022 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05

Tgt Ion: 91 Resp: 1212994
Ion Ratio Lower Upper
91 100
106 48.9 36.3 54.5

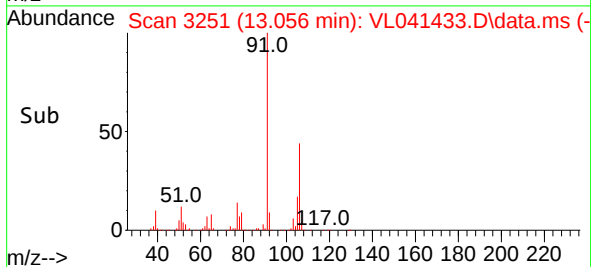
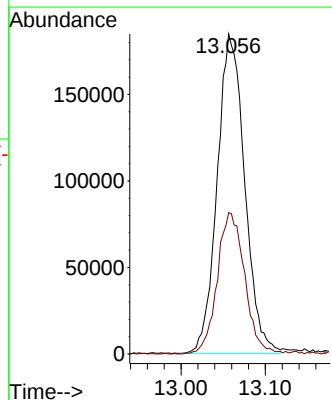
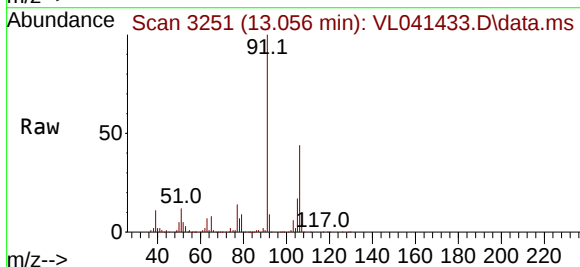
Manual Integrations
APPROVED

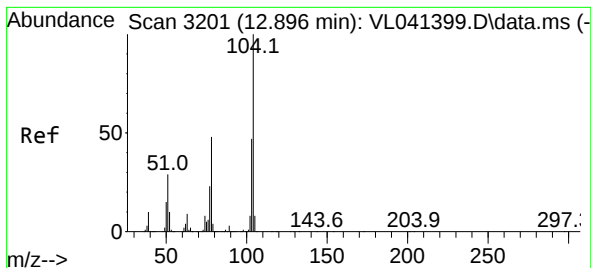
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#60
o-Xylene
Concen: 1.548 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

Tgt Ion: 91 Resp: 417372
Ion Ratio Lower Upper
91 100
106 44.7 23.1 69.3





#61

Styrene

Concen: 0.309 ppbv

RT: 12.902 min Scan# 3201

Delta R.T. 0.007 min

Lab File: VL041433.D

Acq: 29 Jul 2024 17:40

Instrument :

MSVOA_L

ClientSampleId :

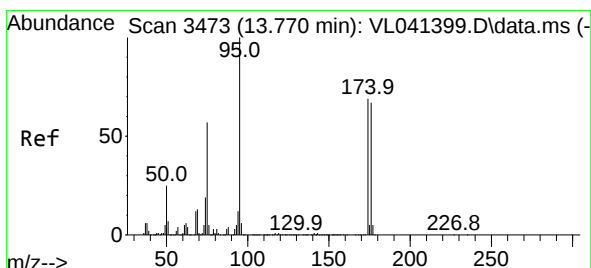
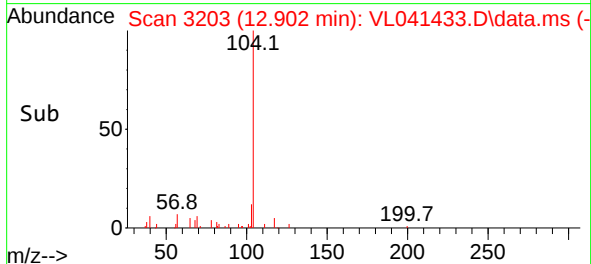
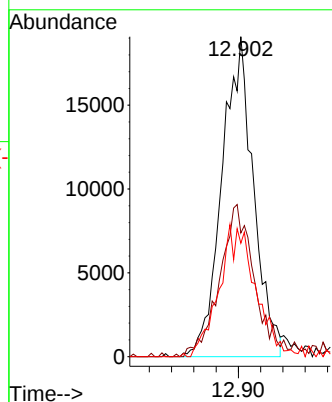
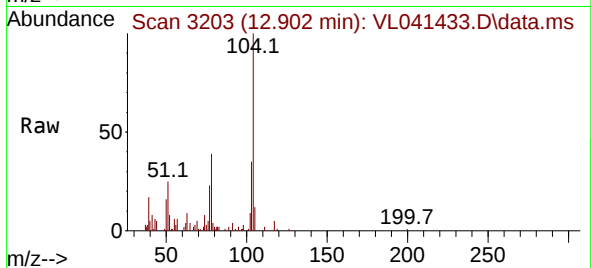
ACVI-SS-05

Tgt Ion:	104	Resp:	3758
Ion Ratio	Lower	Upper	
104	100		
78	55.0	40.8	61.2
103	47.8	38.2	57.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.047 ppbv

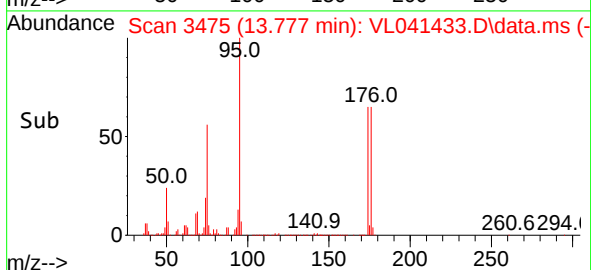
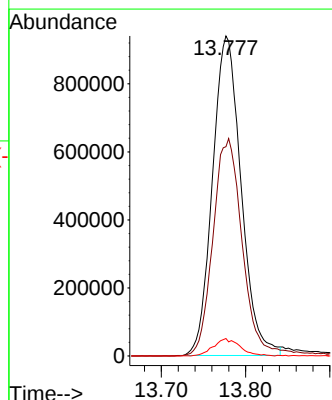
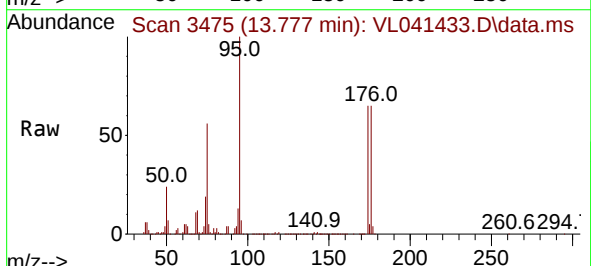
RT: 13.777 min Scan# 3475

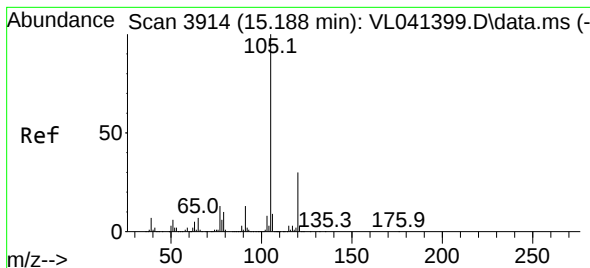
Delta R.T. 0.003 min

Lab File: VL041433.D

Acq: 29 Jul 2024 17:40

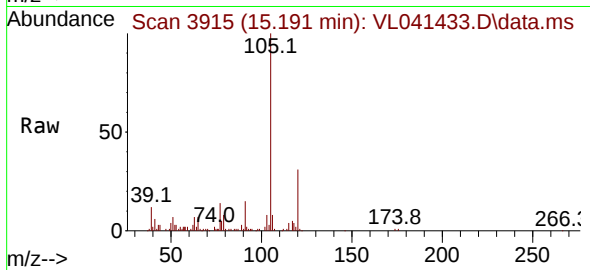
Tgt Ion:	95	Resp:	2215160
Ion Ratio	Lower	Upper	
95	100		
174	71.7	56.3	84.5
175	5.2	4.0	6.0





#72
4-Ethyltoluene
Concen: 0.345 ppbv m
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

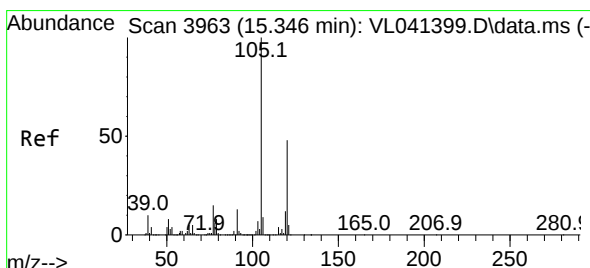
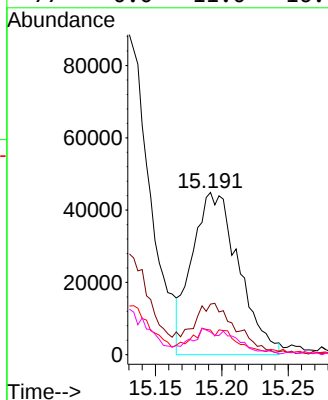
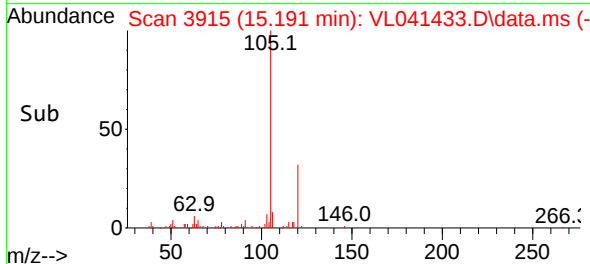
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05



Tgt Ion:105 Resp: 10961
Ion Ratio Lower Upper
105 100
120 30.3 24.2 36.2
91 0.0 10.4 15.6
77 0.0 11.0 16.4#

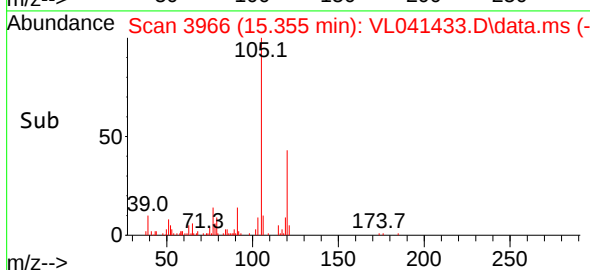
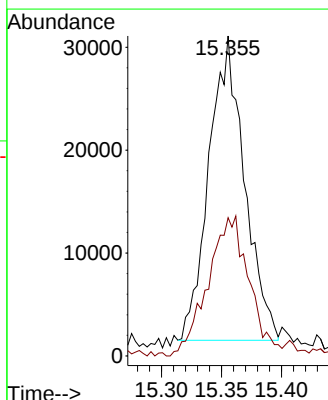
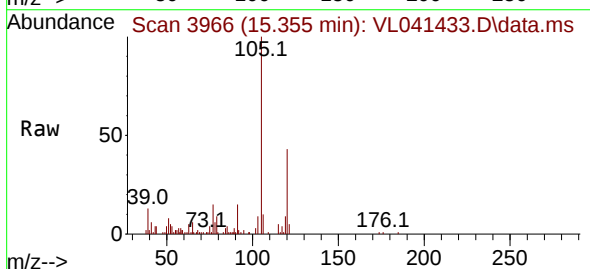
Manual Integrations
APPROVED

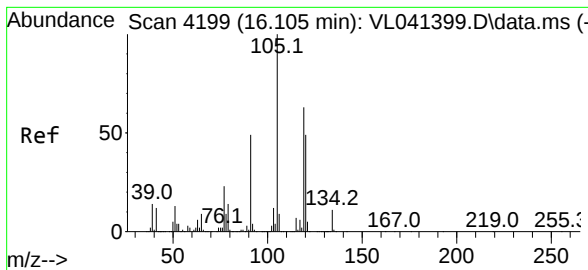
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#73
1,3,5-Trimethylbenzene
Concen: 0.222 ppbv
RT: 15.355 min Scan# 3966
Delta R.T. 0.007 min
Lab File: VL041433.D
Acq: 29 Jul 2024 17:40

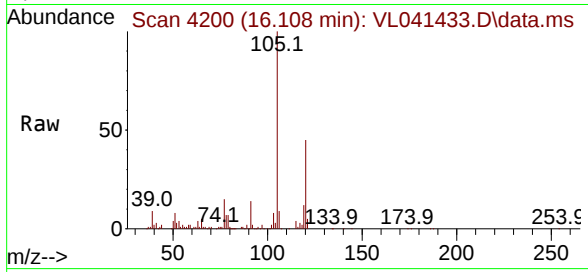
Tgt Ion:105 Resp: 60745
Ion Ratio Lower Upper
105 100
120 43.8 38.6 57.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.816 ppbv
 RT: 16.108 min Scan# 4199
 Delta R.T. 0.000 min
 Lab File: VL041433.D
 Acq: 29 Jul 2024 17:40

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-SS-05



Tgt Ion:	105	Resp:	259580
Ion	Ratio	Lower	Upper
105	100		
120	44.7	39.5	59.3
91	13.1	39.8	59.8
77	14.7	18.2	27.4

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

