

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040819.D
 Acq On : 8 Nov 2023 20:32
 Operator : SY/MD
 Sample : 05276-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SH-OA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
 Supervised By :Mahesh Dadoda 11/13/2023

Quant Time: Nov 09 00:33:11 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Nov 09 00:25:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1012848	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2532374	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2123380	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 1524447 9.757 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.777	85	107223m	0.601	ppbv	
3) Chlorodifluoromethane	2.722	51	58289m	0.392	ppbv	
4) Chloromethane	2.857	50	29665	0.505	ppbv	97
9) Propene	2.748	41	86828m	1.570	ppbv	
10) Heptane	7.584	43	25793m	0.186	ppbv	
11) Trichlorofluoromethane	3.600	101	34772	0.253	ppbv	92
13) Ethanol	3.279	45	323459	25.917	ppbv	99
15) Acetone	3.507	43	424036m	4.050	ppbv	
19) Isopropyl Alcohol	3.623	45	167413	2.484	ppbv #	42
20) Methylene Chloride	3.963	84	388744	8.913	ppbv	96
26) Hexane	5.234	57	1205720	11.499	ppbv #	41
34) 2-Butanone	4.819	43	54963	0.479	ppbv	92
35) Carbon Tetrachloride	6.504	117	11133m	0.078	ppbv	
36) Benzene	6.381	78	96499	0.495	ppbv	97
44) 2,2,4-Trimethylpentane	7.336	57	97569m	0.296	ppbv	
52) Tetrachloroethene	10.610	164	3090m	0.039	ppbv	
53) Toluene	9.224	91	184651	0.797	ppbv	98
58) Ethyl Benzene	12.089	91	39187m	0.147	ppbv	
59) m/p-Xylene	12.343	91	94018m	0.427	ppbv	
60) o-Xylene	13.056	91	35147m	0.168	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	38414m	0.163	ppbv	

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

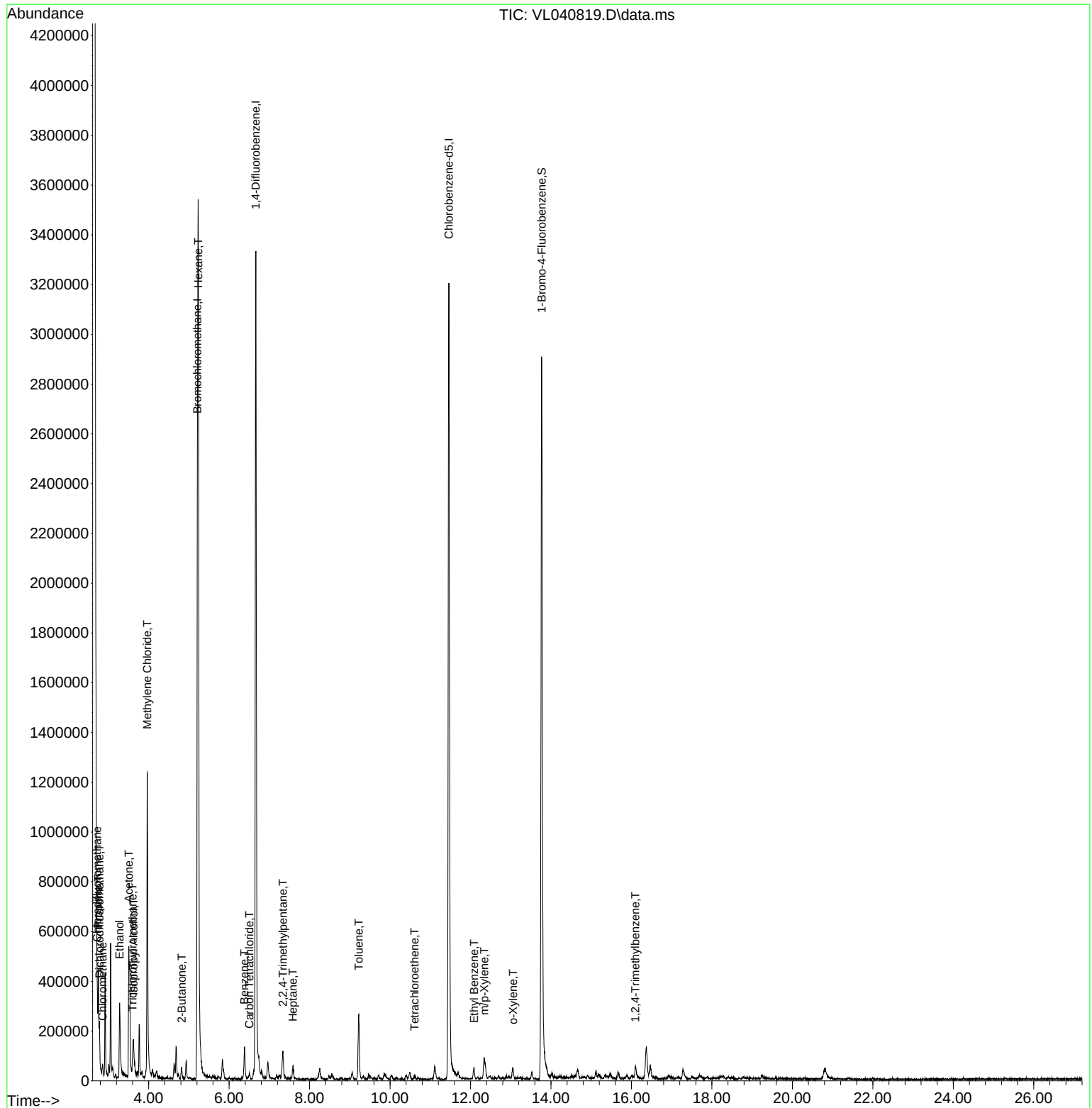
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
Data File : VL040819.D
Acq On : 8 Nov 2023 20:32
Operator : SY/MD
Sample : 05276-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

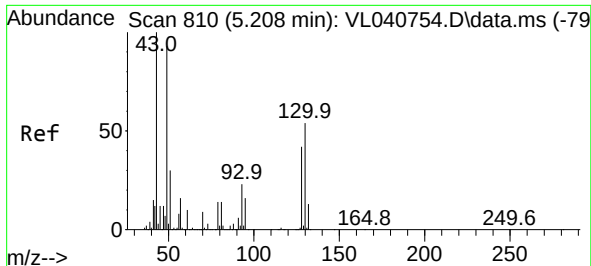
Instrument :
MSVOA_L
ClientSampleId :
SH-OA-1

Quant Time: Nov 09 00:33:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Nov 09 00:25:02 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

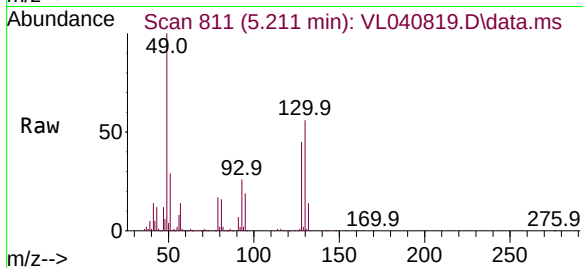
Reviewed By : Semsettin Yesilyurt 11/11/2023
Supervised By : Mahesh Dadoda 11/13/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

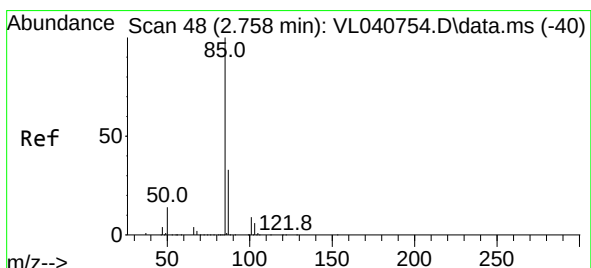
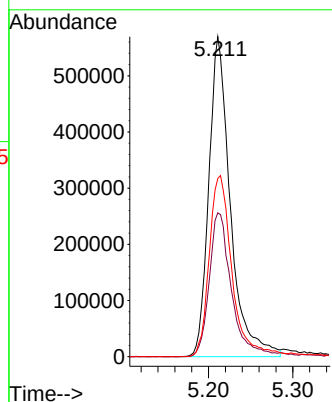
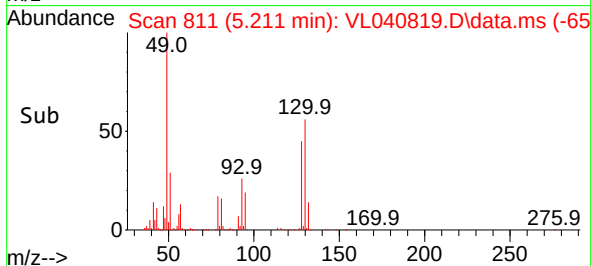
Instrument :
MSVOA_L
ClientSampleId :
SH-OA-1



Tgt Ion: 49 Resp: 101284
Ion Ratio Lower Upper
49 100
128 47.3 23.9 71.7
130 61.8 30.7 92.1

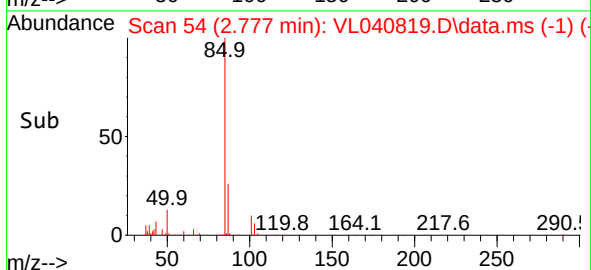
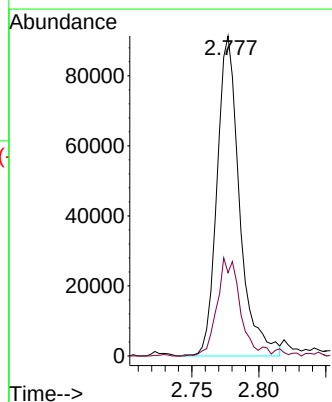
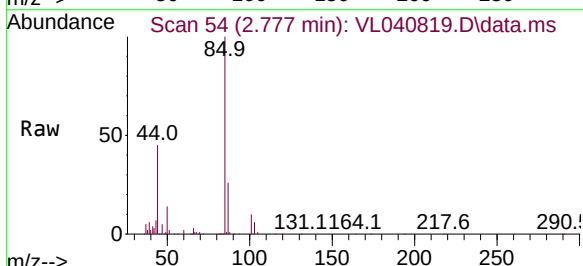
Manual Integrations
APPROVED

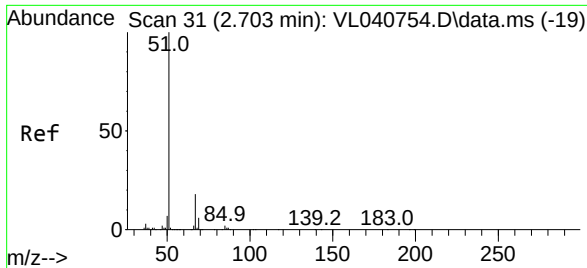
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#2
Dichlorodifluoromethane
Concen: 0.601 ppbv m
RT: 2.777 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

Tgt Ion: 85 Resp: 107223
Ion Ratio Lower Upper
85 100
87 26.0 26.0 39.0





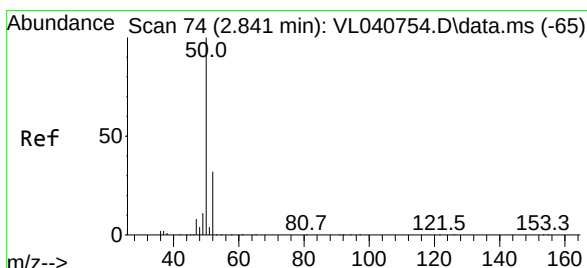
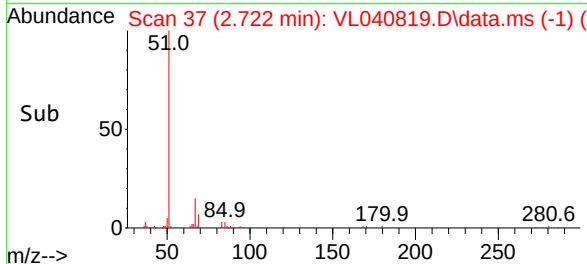
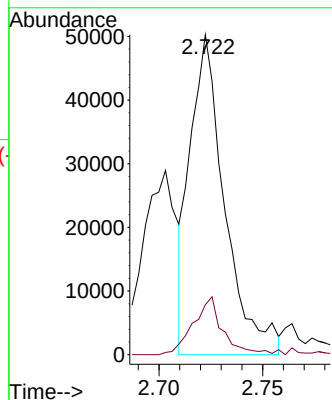
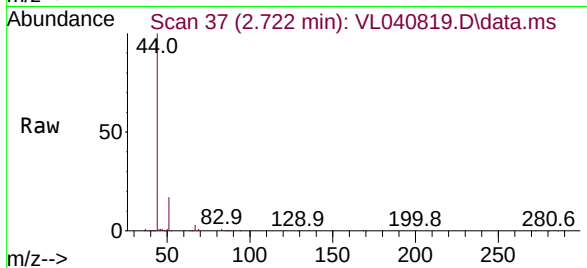
#3
Chlorodifluoromethane
Concen: 0.392 ppbv m
RT: 2.722 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

Instrument :
MSVOA_L
ClientSampleId :
SH-OA-1

Tgt Ion: 51 Resp: 58289
Ion Ratio Lower Upper
51 100
67 15.6 13.8 20.6

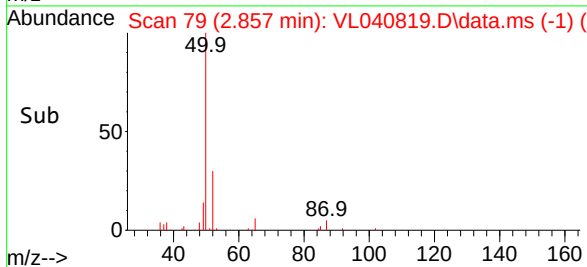
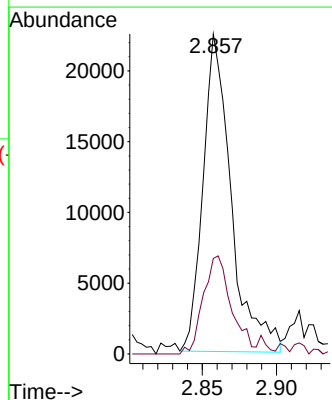
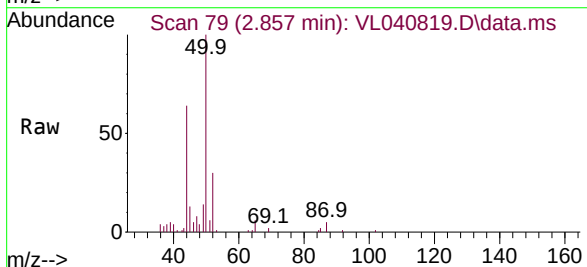
Manual Integrations
APPROVED

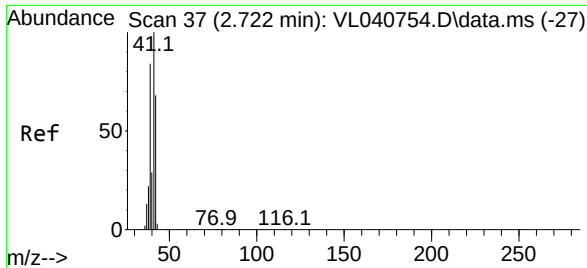
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#4
Chloromethane
Concen: 0.505 ppbv
RT: 2.857 min Scan# 79
Delta R.T. 0.003 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

Tgt Ion: 50 Resp: 29665
Ion Ratio Lower Upper
50 100
52 30.1 25.3 37.9





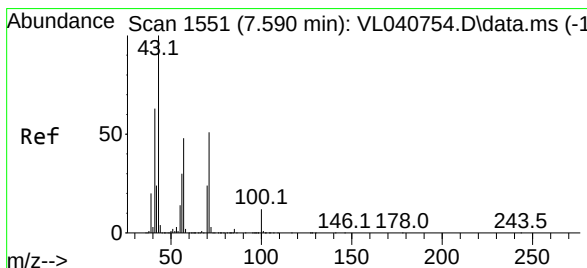
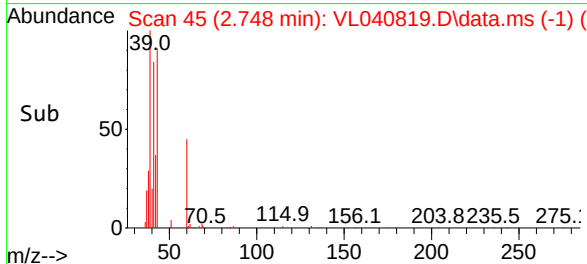
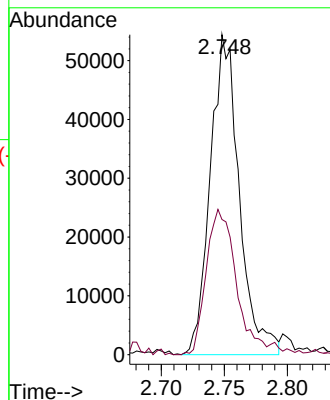
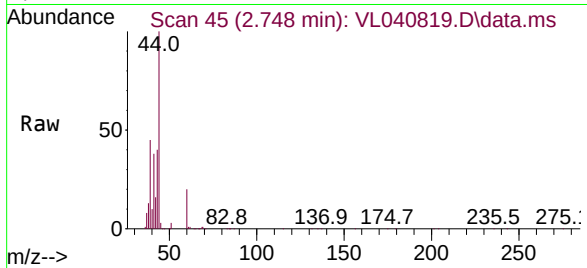
#9
Propene
Concen: 1.570 ppbv m
RT: 2.748 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

Instrument :
MSVOA_L
ClientSampleId :
SH-OA-1

Tgt Ion: 41 Resp: 86828
Ion Ratio Lower Upper
41 100
42 82.8 57.1 85.7

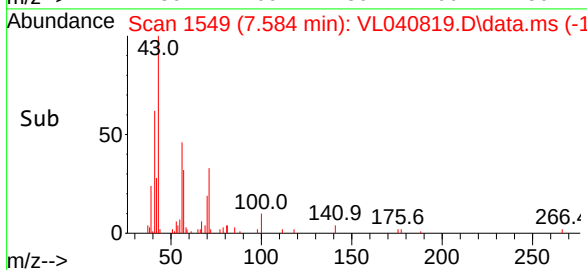
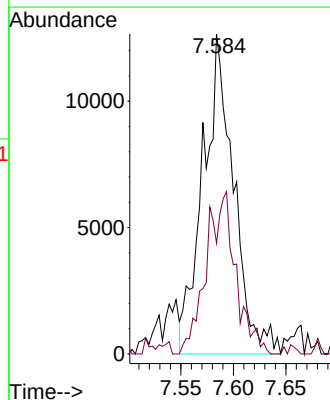
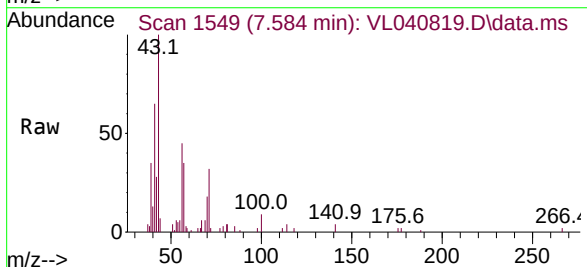
Manual Integrations
APPROVED

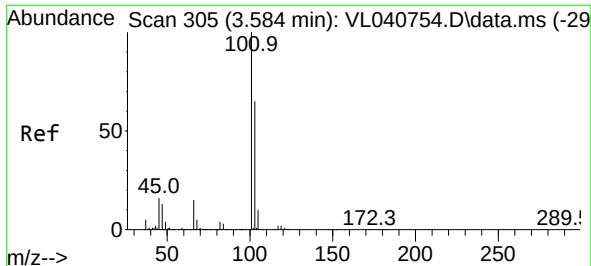
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#10
Heptane
Concen: 0.186 ppbv m
RT: 7.584 min Scan# 1549
Delta R.T. -0.003 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

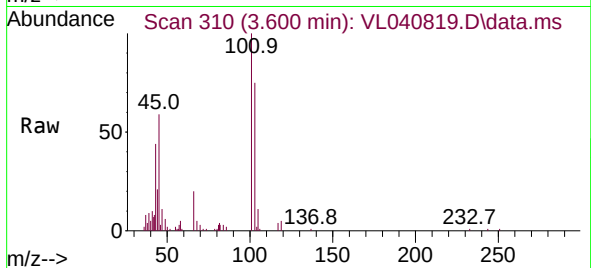
Tgt Ion: 43 Resp: 25793
Ion Ratio Lower Upper
43 100
57 48.9 40.0 60.0





#11
Trichlorofluoromethane
Concen: 0.253 ppbv
RT: 3.600 min Scan# 310
Delta R.T. 0.006 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

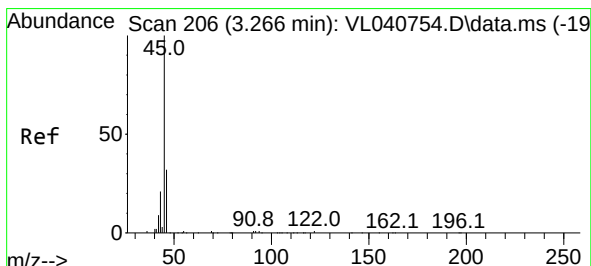
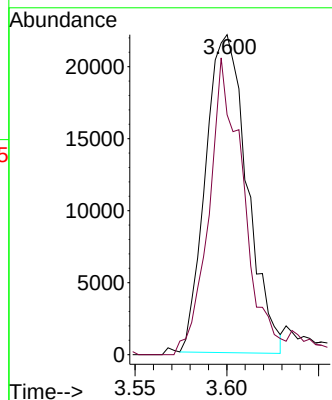
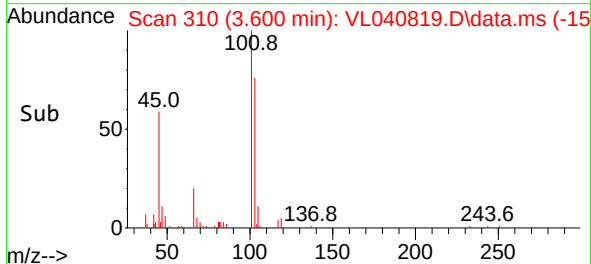
Instrument :
MSVOA_L
ClientSampleId :
SH-OA-1



Tgt Ion:101 Resp: 34772
Ion Ratio Lower Upper
101 100
103 71.4 52.2 78.2

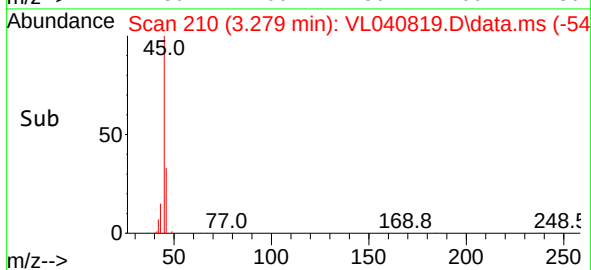
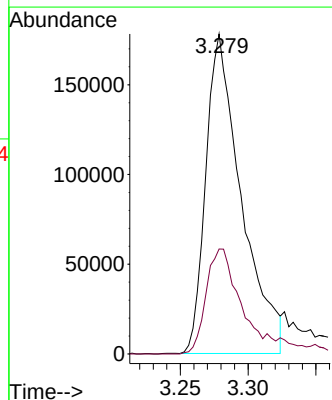
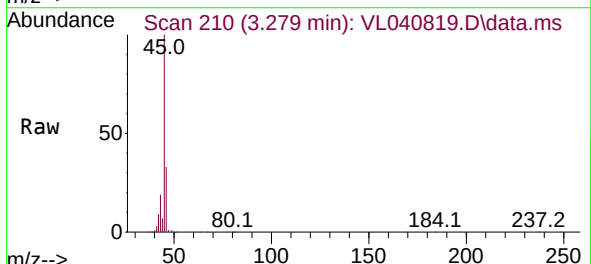
Manual Integrations
APPROVED

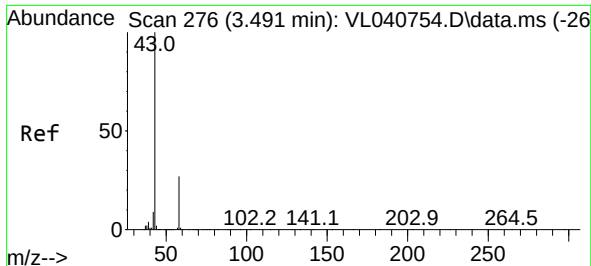
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#13
Ethanol
Concen: 25.917 ppbv
RT: 3.279 min Scan# 210
Delta R.T. 0.000 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

Tgt Ion: 45 Resp: 323459
Ion Ratio Lower Upper
45 100
46 37.1 14.6 58.2





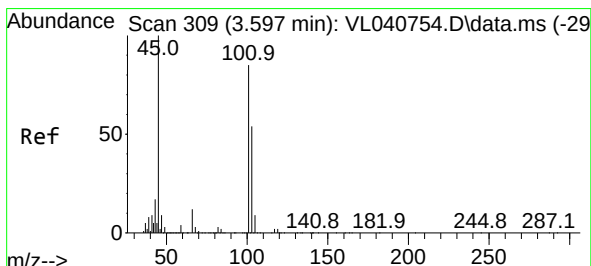
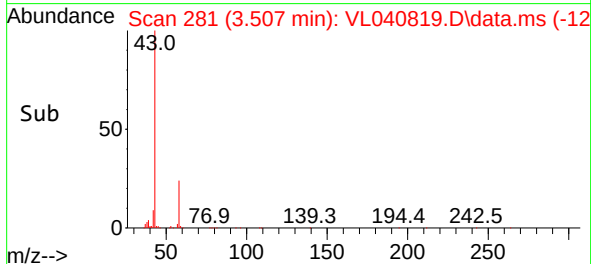
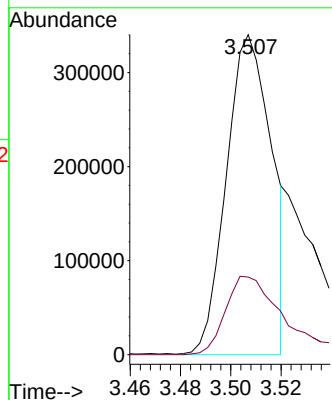
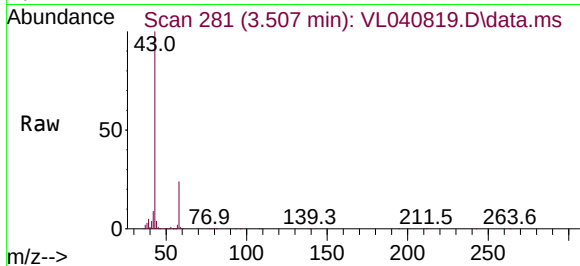
#15
Acetone
Concen: 4.050 ppbv m
RT: 3.507 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

Instrument :
MSVOA_L
ClientSampleId :
SH-OA-1

Tgt Ion: 43 Resp: 424030
Ion Ratio Lower Upper
43 100
58 34.1 21.6 32.4

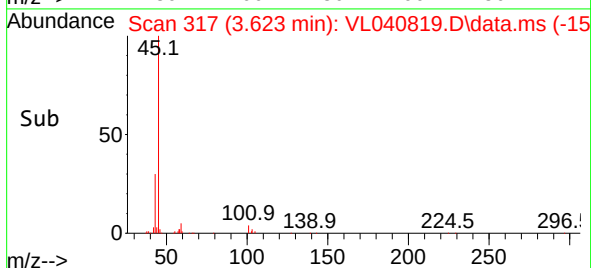
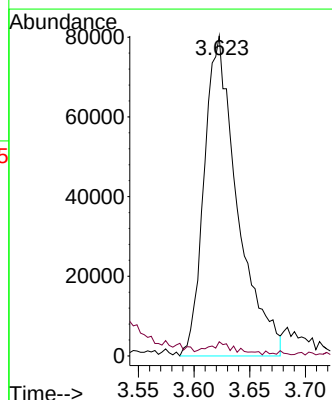
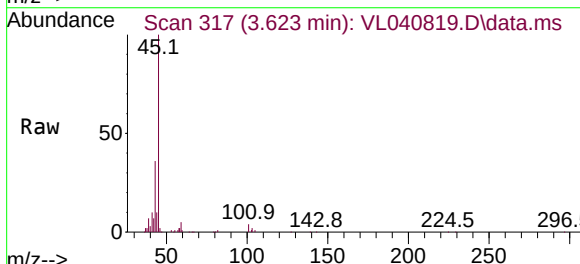
Manual Integrations
APPROVED

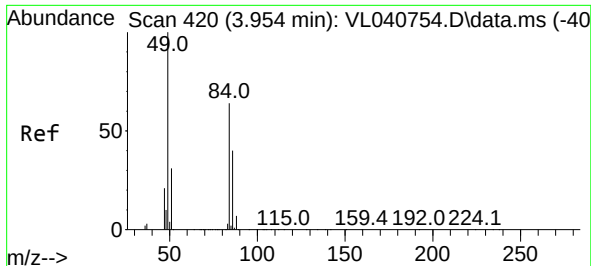
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#19
Isopropyl Alcohol
Concen: 2.484 ppbv
RT: 3.623 min Scan# 317
Delta R.T. 0.016 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

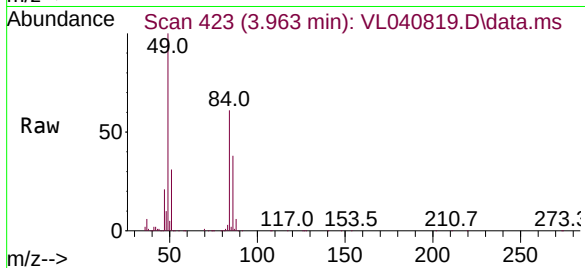
Tgt Ion: 45 Resp: 167413
Ion Ratio Lower Upper
45 100
58 3.0 30.3 45.5





#20
Methylene Chloride
Concen: 8.913 ppbv
RT: 3.963 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

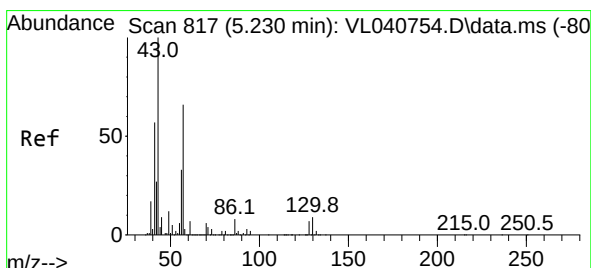
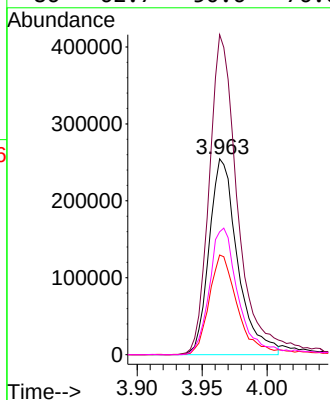
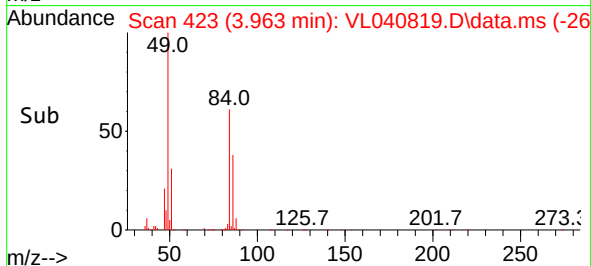
Instrument :
MSVOA_L
ClientSampleId :
SH-OA-1



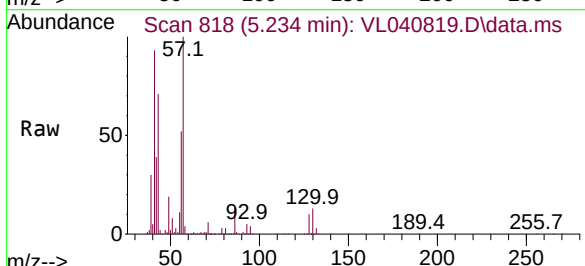
Tgt Ion: 84 Resp: 388744
Ion Ratio Lower Upper
84 100
49 163.3 125.6 188.4
51 50.8 38.9 58.3
86 62.7 50.6 76.0

Manual Integrations
APPROVED

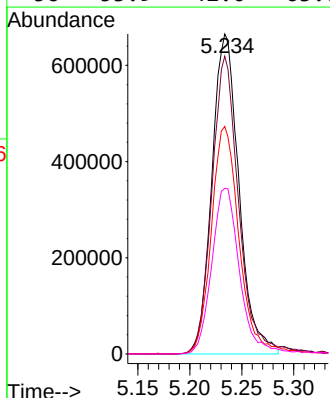
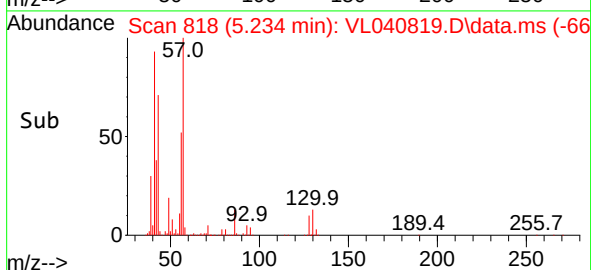
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

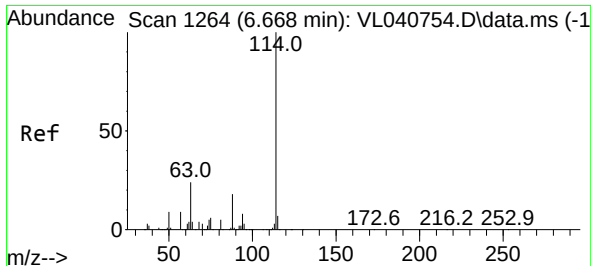


#26
Hexane
Concen: 11.499 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.006 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32



Tgt Ion: 57 Resp: 1205720
Ion Ratio Lower Upper
57 100
41 93.7 71.4 107.2
43 73.6 182.3 273.5#
56 53.9 42.0 63.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040819.D

Acq: 8 Nov 2023 20:32

Instrument :

MSVOA_L

ClientSampleId :

SH-OA-1

Tgt Ion:114 Resp: 2532374

Ion Ratio Lower Upper

114 100

63 25.5 19.8 29.6

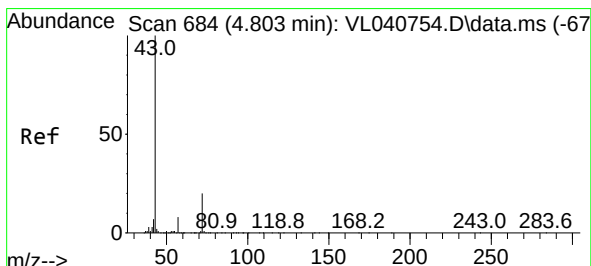
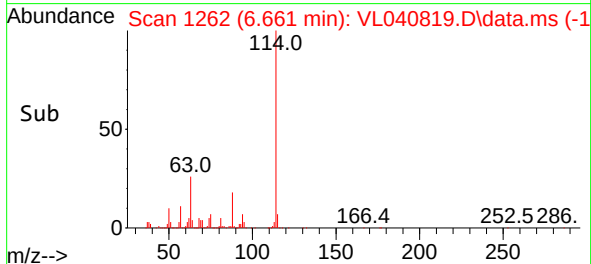
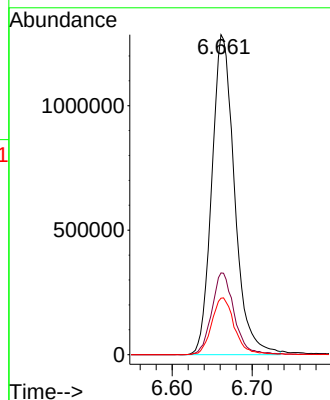
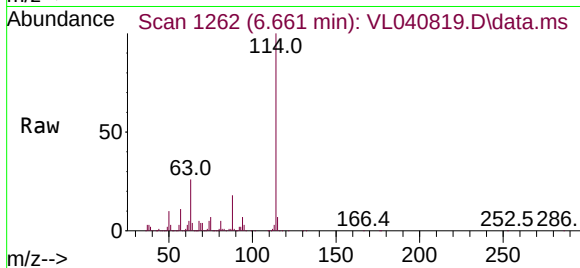
88 17.9 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#34

2-Butanone

Concen: 0.479 ppbv

RT: 4.819 min Scan# 689

Delta R.T. 0.013 min

Lab File: VL040819.D

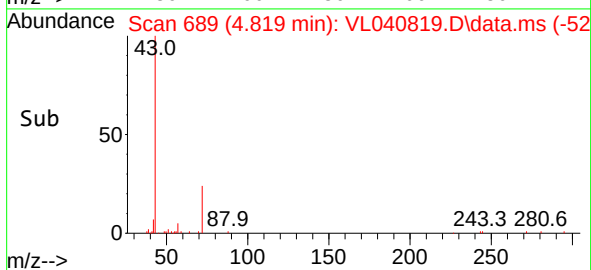
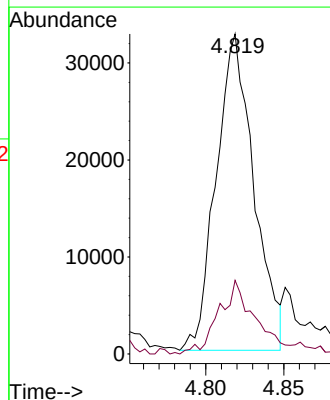
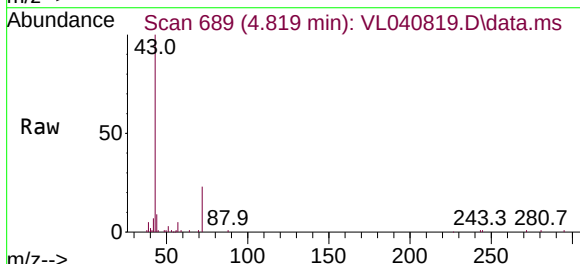
Acq: 8 Nov 2023 20:32

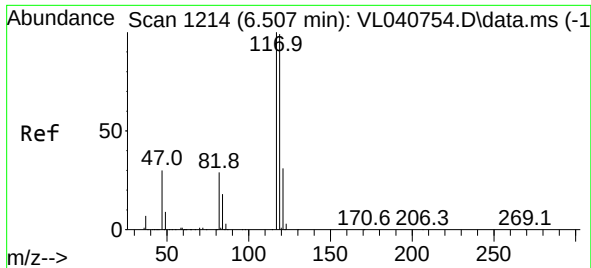
Tgt Ion: 43 Resp: 54963

Ion Ratio Lower Upper

43 100

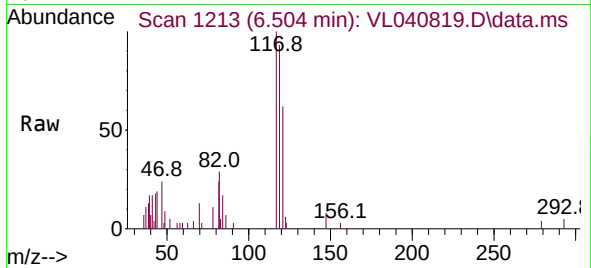
72 24.8 16.8 25.2





#35
Carbon Tetrachloride
Concen: 0.078 ppbv m
RT: 6.504 min Scan# 1113
Delta R.T. -0.003 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

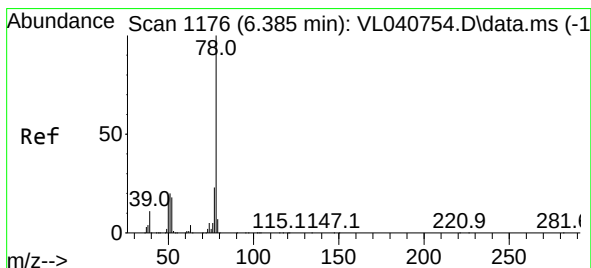
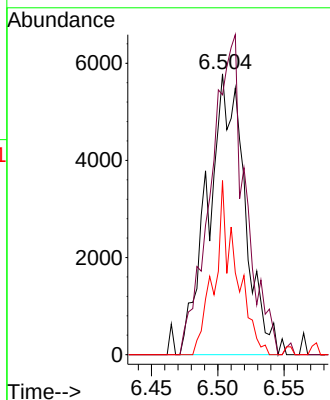
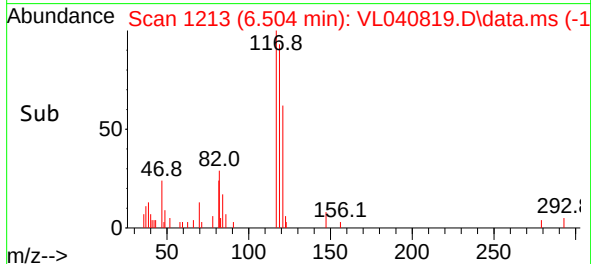
Instrument :
MSVOA_L
ClientSampleId :
SH-OA-1



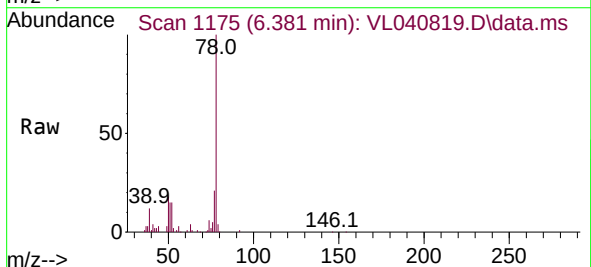
Tgt Ion:117 Resp: 1113
Ion Ratio Lower Upper
117 100
119 92.5 79.4 119.0
121 62.0 25.0 37.4

Manual Integrations
APPROVED

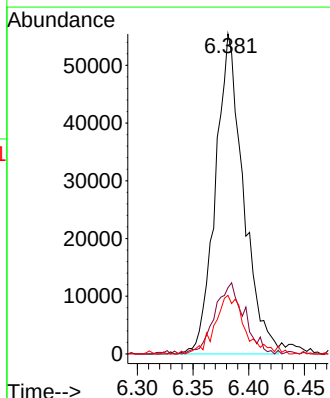
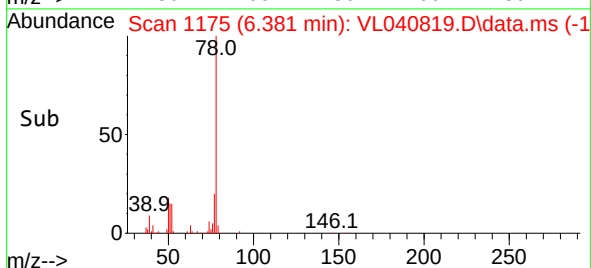
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

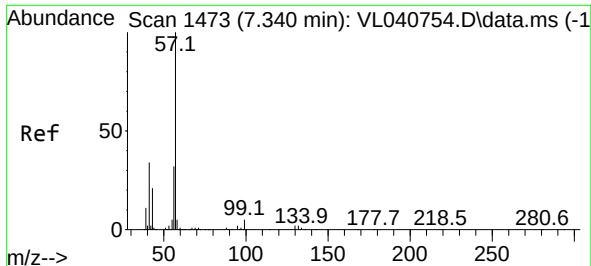


#36
Benzene
Concen: 0.495 ppbv
RT: 6.381 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32



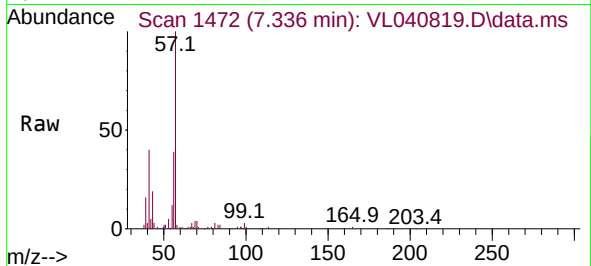
Tgt Ion: 78 Resp: 96499
Ion Ratio Lower Upper
78 100
77 20.4 18.4 27.6
50 18.3 15.0 22.4





#44
2,2,4-Trimethylpentane
Concen: 0.296 ppbv m
RT: 7.336 min Scan# 1473
Delta R.T. 0.003 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

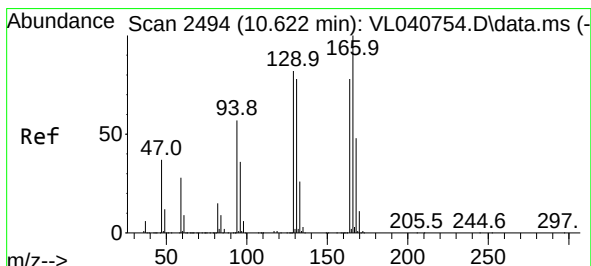
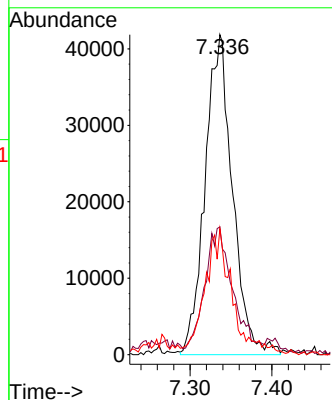
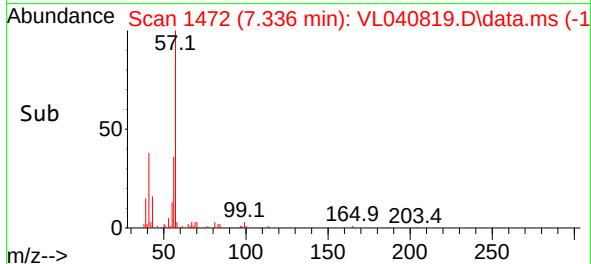
Instrument :
MSVOA_L
ClientSampleId :
SH-OA-1



Tgt Ion: 57 Resp: 97569
Ion Ratio Lower Upper
57 100
41 43.4 27.4 41.0#
56 41.9 25.0 37.6#

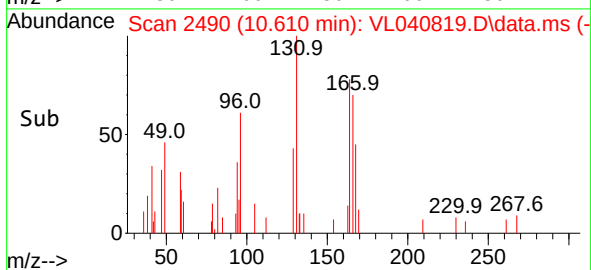
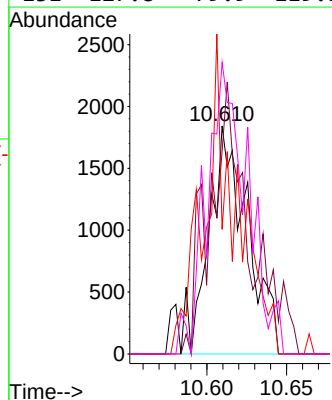
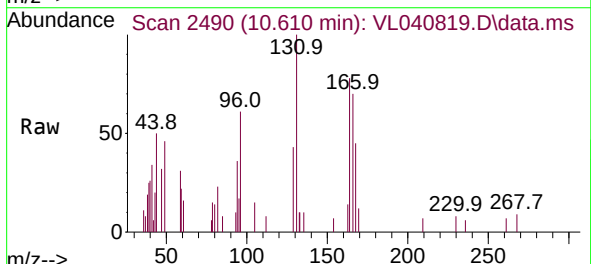
Manual Integrations
APPROVED

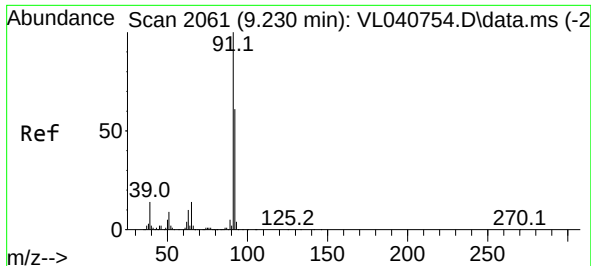
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#52
Tetrachloroethene
Concen: 0.039 ppbv m
RT: 10.610 min Scan# 2490
Delta R.T. -0.003 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

Tgt Ion:164 Resp: 3090
Ion Ratio Lower Upper
164 100
166 89.0 102.4 153.6#
129 54.6 84.2 126.4#
131 127.8 79.9 119.9#





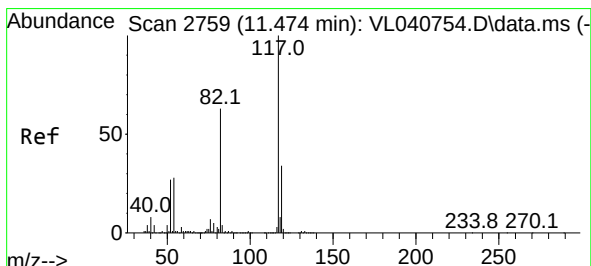
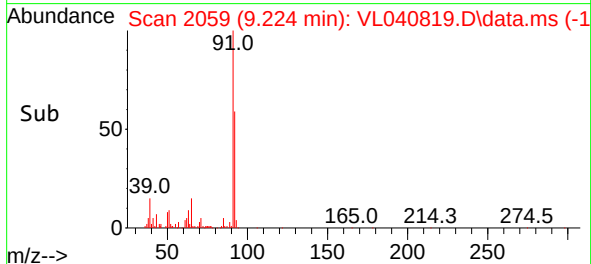
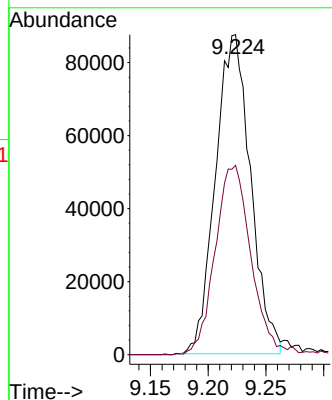
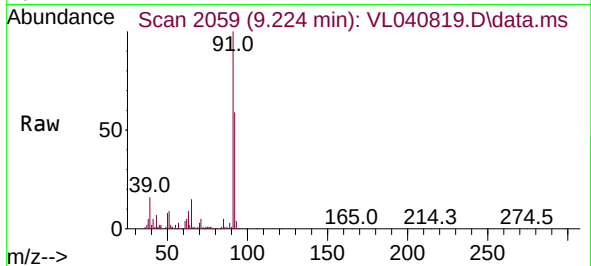
#53
Toluene
Concen: 0.797 ppbv
RT: 9.224 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

Instrument :
MSVOA_L
ClientSampleId :
SH-OA-1

Tgt Ion: 91 Resp: 18465
Ion Ratio Lower Upper
91 100
92 61.3 50.2 75.2

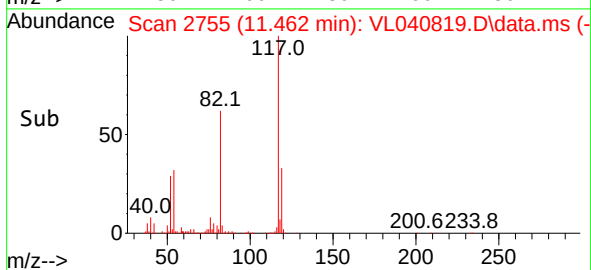
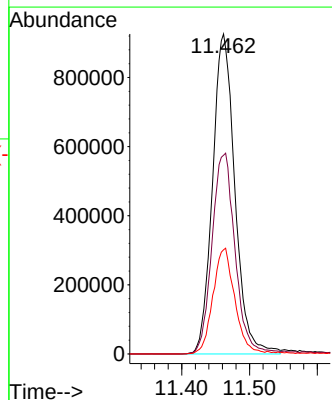
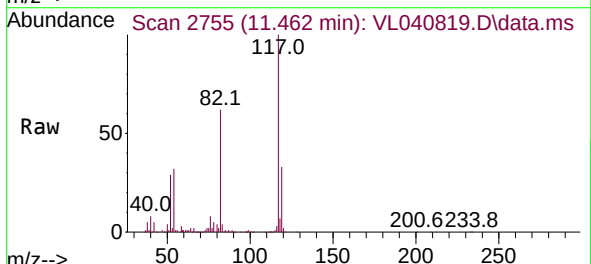
Manual Integrations
APPROVED

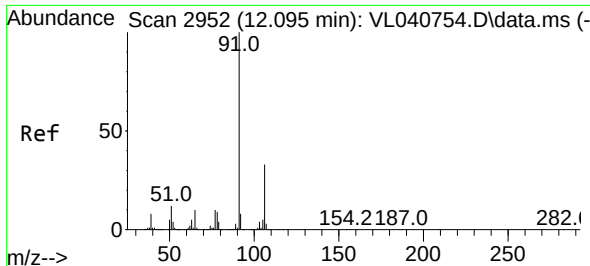
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. 0.000 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

Tgt Ion:117 Resp: 2123380
Ion Ratio Lower Upper
117 100
82 65.9 46.6 70.0
119 32.7 26.0 39.0





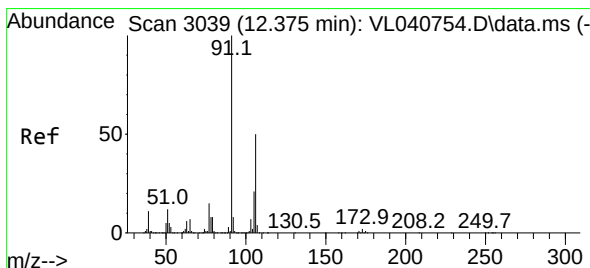
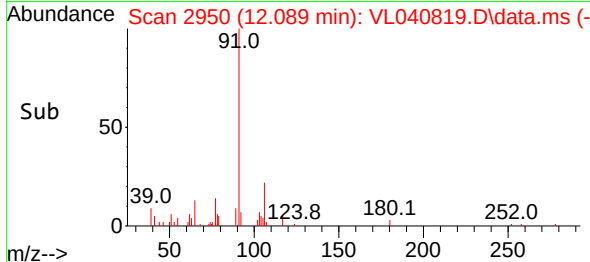
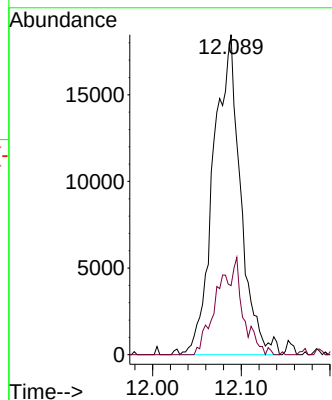
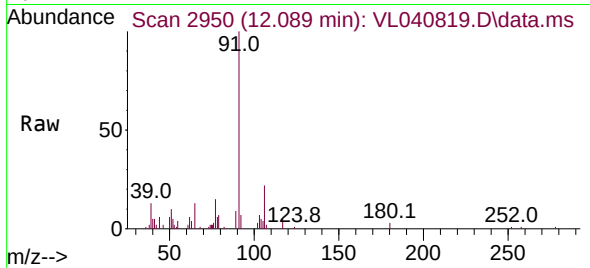
#58
Ethyl Benzene
Concen: 0.147 ppbv m
RT: 12.089 min Scan# 2952
Delta R.T. 0.006 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

Instrument :
MSVOA_L
ClientSampleId :
SH-OA-1

Tgt Ion: 91 Resp: 3918
Ion Ratio Lower Upper
91 100
106 21.6 26.7 40.1

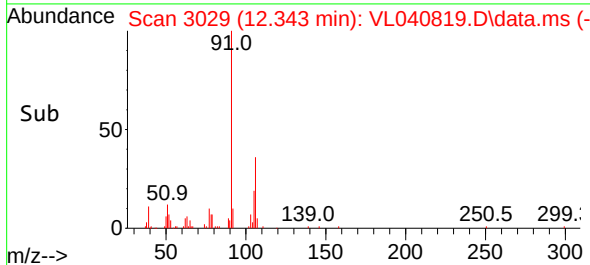
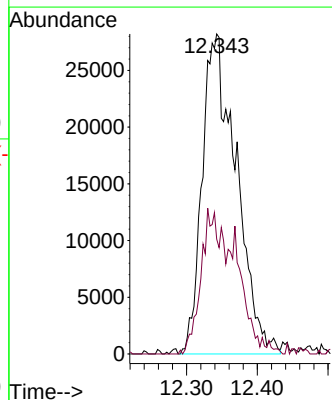
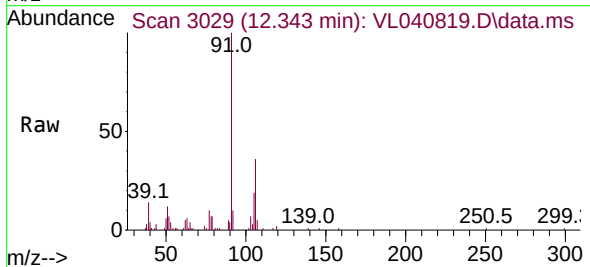
Manual Integrations
APPROVED

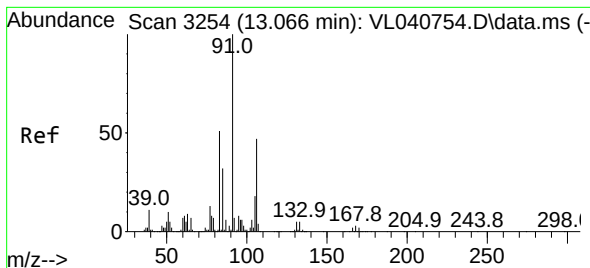
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#59
m/p-Xylene
Concen: 0.427 ppbv m
RT: 12.343 min Scan# 3029
Delta R.T. -0.026 min
Lab File: VL040819.D
Acq: 8 Nov 2023 20:32

Tgt Ion: 91 Resp: 94018
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5





#60

o-Xylene

Concen: 0.168 ppbv m

RT: 13.056 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL040819.D

Acq: 8 Nov 2023 20:32

Instrument :

MSVOA_L

ClientSampleId :

SH-OA-1

Tgt Ion: 91 Resp: 3514

Ion Ratio Lower Upper

91 100

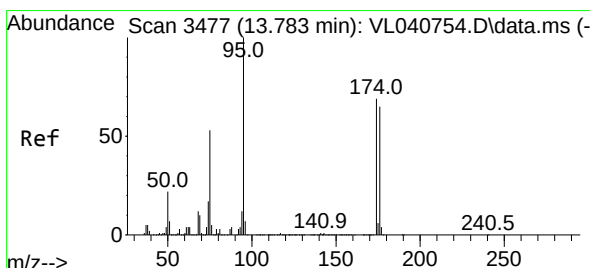
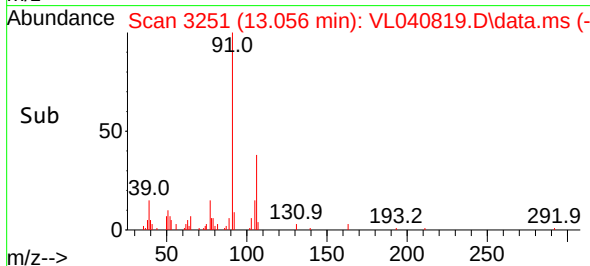
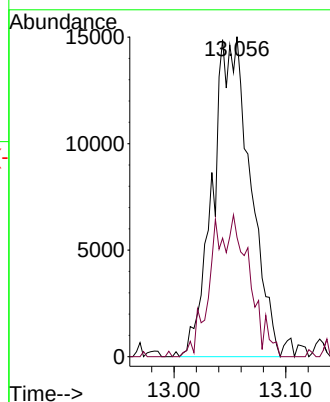
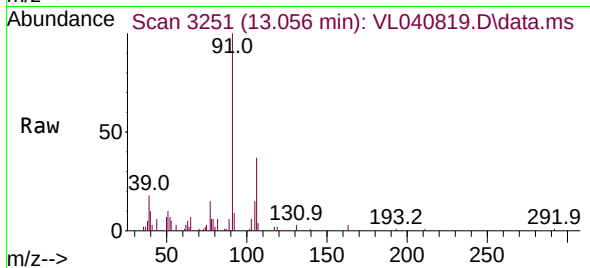
106 44.8 23.5 70.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.757 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. -0.003 min

Lab File: VL040819.D

Acq: 8 Nov 2023 20:32

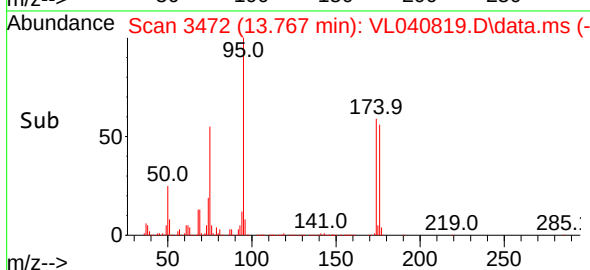
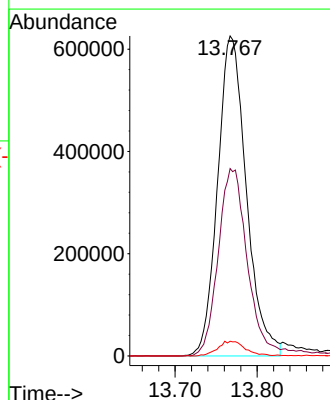
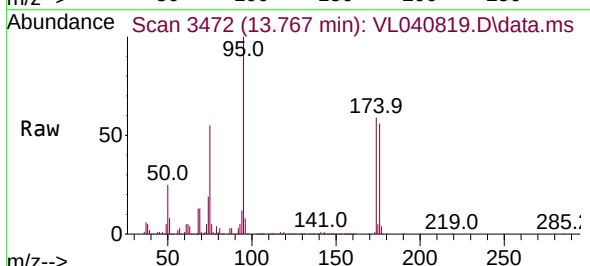
Tgt Ion: 95 Resp: 1524447

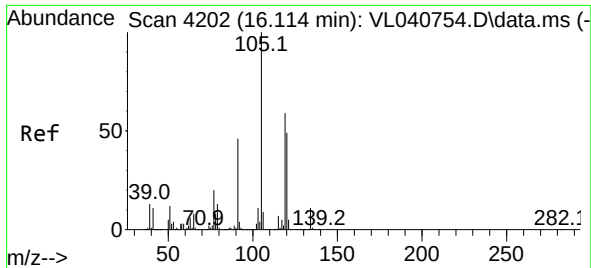
Ion Ratio Lower Upper

95 100

174 61.7 54.7 82.1

175 4.5 4.2 6.4





#74

1,2,4-Trimethylbenzene

Concen: 0.163 ppbv m

RT: 16.098 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040819.D

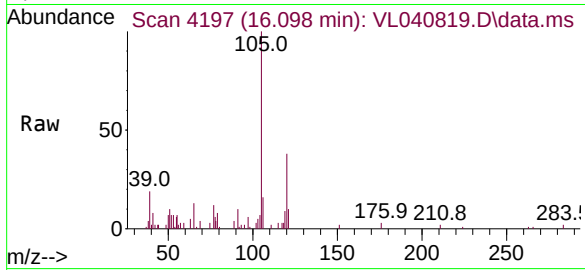
Acq: 8 Nov 2023 20:32

Instrument :

MSVOA_L

ClientSampleId :

SH-OA-1



Tgt Ion:	105	Resp:	38414
Ion Ratio	Lower	Upper	
105	100		
120	37.6	39.4	59.2
91	10.0	38.6	58.0
77	12.2	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

