

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040831.D
 Acq On : 9 Nov 2023 11:19
 Operator : SY/MD
 Sample : 05275-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-OA-4

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 04:51:03 2023

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

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

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	5.224	49	993027	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.677	114	2429032	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.478	117	2072140	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1513104	9.924	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.777	85	107535	0.615	ppbv	92
3) Chlorodifluoromethane	2.722	51	63521m	0.435	ppbv	
4) Chloromethane	2.861	50	34570m	0.600	ppbv	
9) Propene	2.751	41	98340	1.814	ppbv #	83
10) Heptane	7.594	43	26716m	0.196	ppbv	
11) Trichlorofluoromethane	3.603	101	37925	0.281	ppbv	90
13) Ethanol	3.282	45	679048	55.495	ppbv	99
15) Acetone	3.510	43	851926m	8.299	ppbv	
17) tert-Butyl alcohol	3.922	59	339186	3.222	ppbv	97
19) Isopropyl Alcohol	3.623	45	183803m	2.781	ppbv	
20) Methylene Chloride	3.970	84	363348	8.497	ppbv	95
26) Hexane	5.243	57	1219553	11.863	ppbv #	41
34) 2-Butanone	4.822	43	81095	0.738	ppbv	93
35) Carbon Tetrachloride	6.513	117	11815m	0.087	ppbv	
36) Benzene	6.397	78	92973	0.498	ppbv	98
44) 2,2,4-Trimethylpentane	7.349	57	102305	0.324	ppbv #	80
53) Toluene	9.240	91	193088	0.868	ppbv	97
58) Ethyl Benzene	12.101	91	42640m	0.163	ppbv	
59) m/p-Xylene	12.359	91	112918m	0.526	ppbv	
60) o-Xylene	13.072	91	46561m	0.228	ppbv	
74) 1,2,4-Trimethylbenzene	16.121	105	52154m	0.226	ppbv	

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

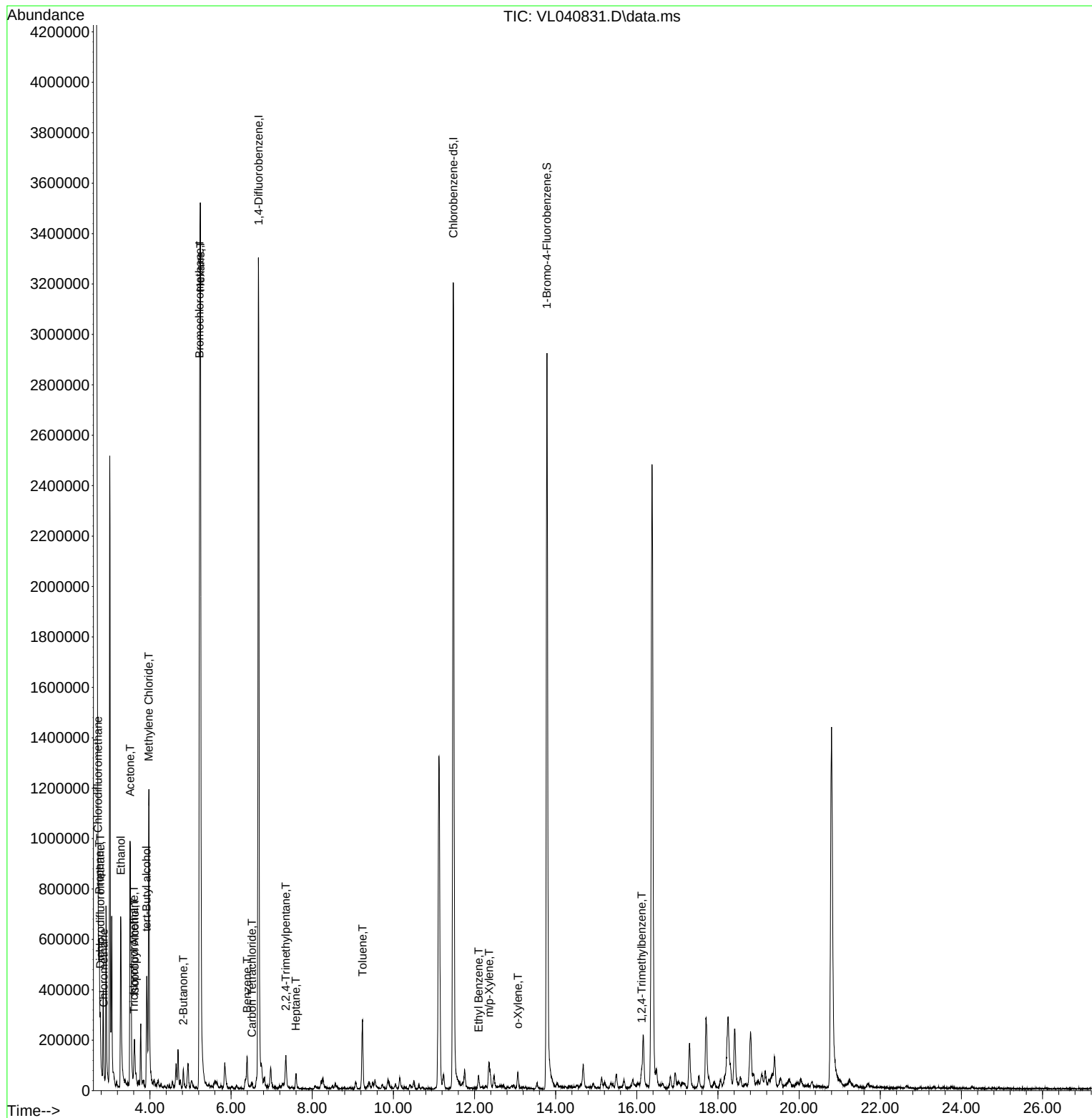
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
Data File : VL040831.D
Acq On : 9 Nov 2023 11:19
Operator : SY/MD
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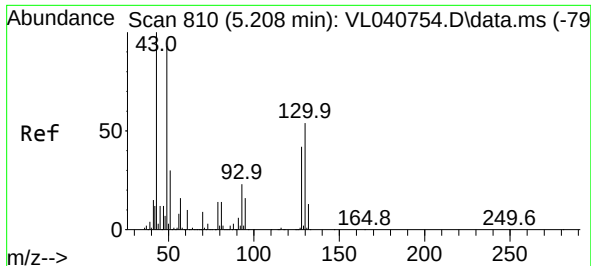
Instrument :
MSVOA_L
ClientSampleId :
NT-OA-4

Quant Time: Nov 10 04:51:03 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

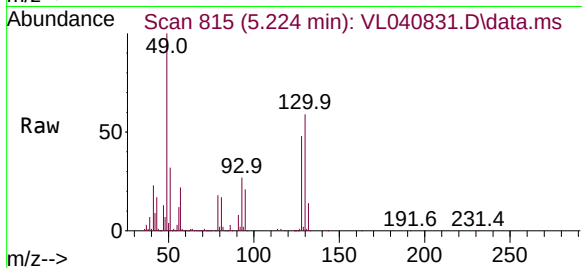
Reviewed By : Semsettin Yesilyurt 11/11/2023
Supervised By : Mahesh Dadoda 11/13/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.224 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

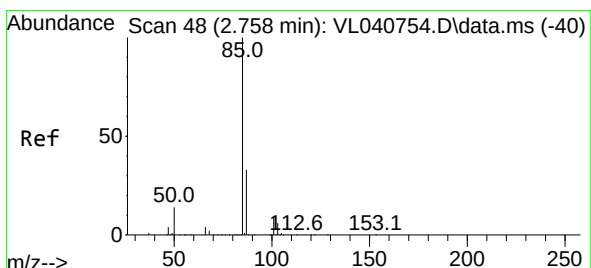
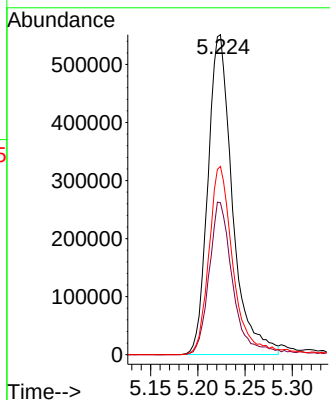
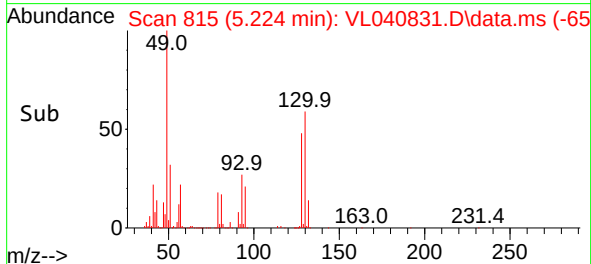
Instrument :
MSVOA_L
ClientSampleId :
NT-OA-4



Tgt Ion: 49 Resp: 99302
Ion Ratio Lower Upper
49 100
128 46.9 23.9 71.7
130 60.8 30.7 92.1

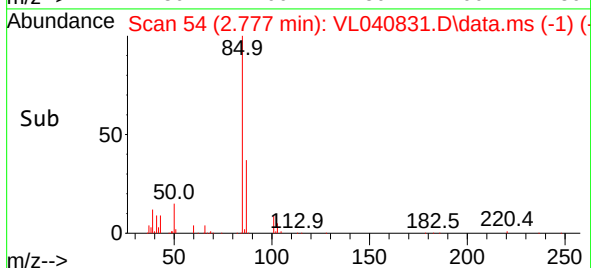
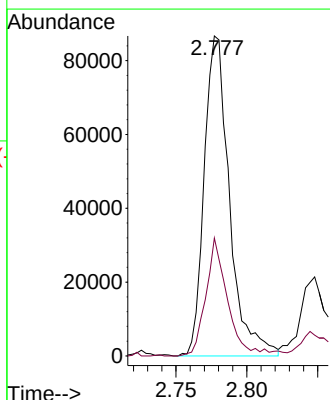
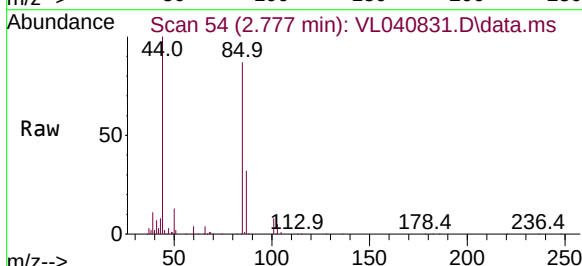
Manual Integrations
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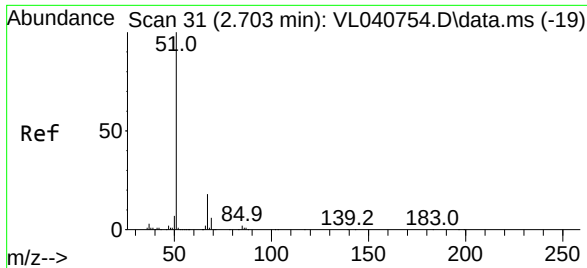
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#2
Dichlorodifluoromethane
Concen: 0.615 ppbv
RT: 2.777 min Scan# 54
Delta R.T. 0.007 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

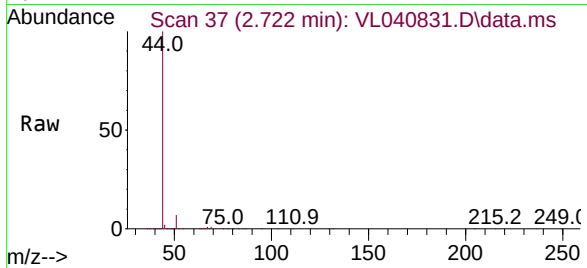
Tgt Ion: 85 Resp: 107535
Ion Ratio Lower Upper
85 100
87 36.8 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.435 ppbv m
RT: 2.722 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

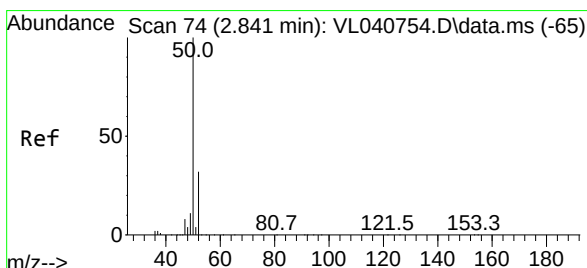
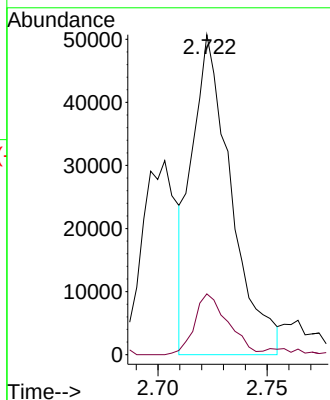
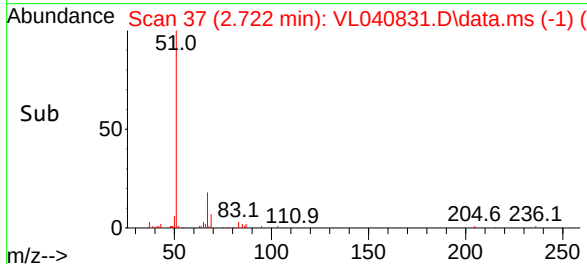
Instrument :
MSVOA_L
ClientSampleId :
NT-OA-4



Tgt Ion: 51 Resp: 6352
Ion Ratio Lower Upper
51 100
67 17.9 13.8 20.6

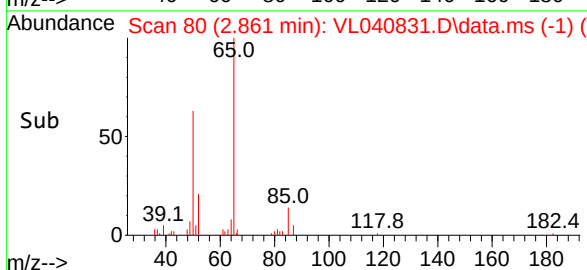
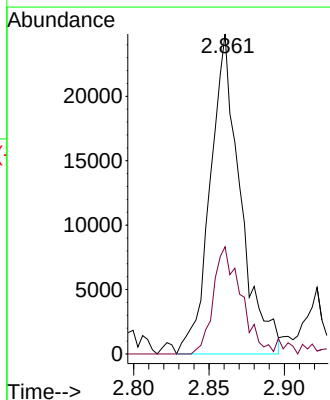
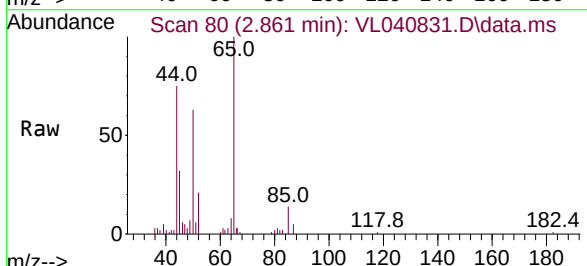
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Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

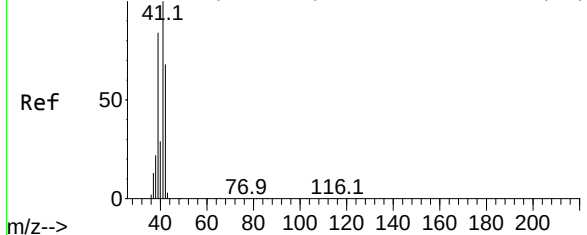


#4
Chloromethane
Concen: 0.600 ppbv m
RT: 2.861 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

Tgt Ion: 50 Resp: 34570
Ion Ratio Lower Upper
50 100
52 33.5 25.3 37.9



Abundance Scan 37 (2.722 min): VL040754.D\data.ms (-27)



#9

Propene

Concen: 1.814 ppbv

RT: 2.751 min Scan# 40

Delta R.T. 0.016 min

Lab File: VL040831.D

Acq: 9 Nov 2023 11:19

Instrument :

MSVOA_L

ClientSampleId :

NT-OA-4

Tgt Ion: 41 Resp: 98340

Ion Ratio Lower Upper

41 100

42 57.0 57.1 85.7

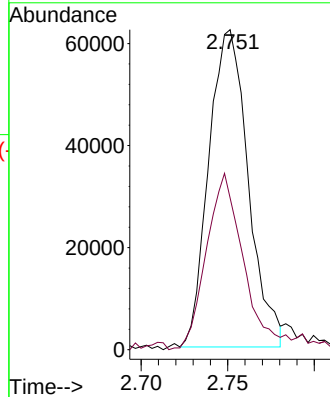
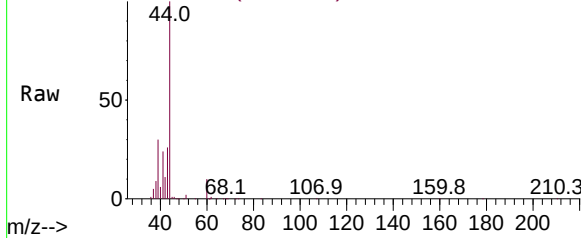
Manual Integrations

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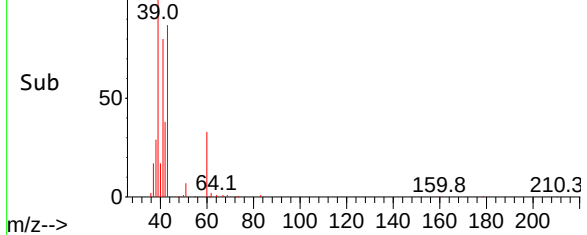
Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023

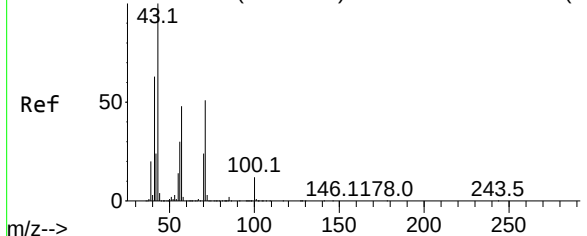
Abundance Scan 46 (2.751 min): VL040831.D\data.ms



Abundance Scan 46 (2.751 min): VL040831.D\data.ms (-1)



Abundance Scan 1551 (7.590 min): VL040754.D\data.ms (-1)



#10

Heptane

Concen: 0.196 ppbv m

RT: 7.594 min Scan# 1552

Delta R.T. 0.007 min

Lab File: VL040831.D

Acq: 9 Nov 2023 11:19

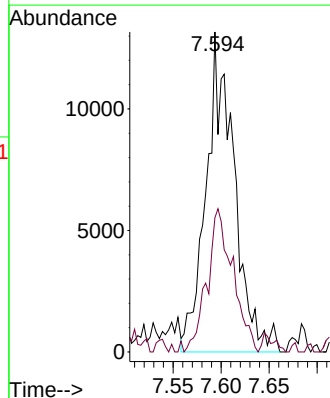
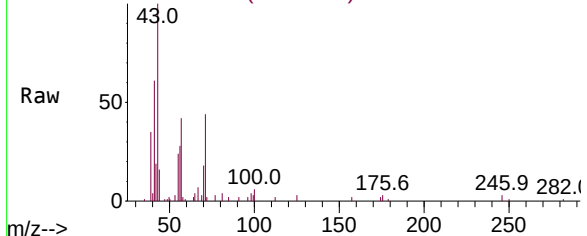
Tgt Ion: 43 Resp: 26716

Ion Ratio Lower Upper

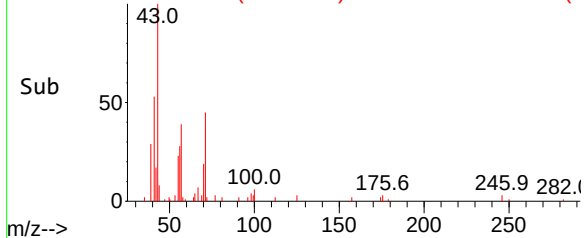
43 100

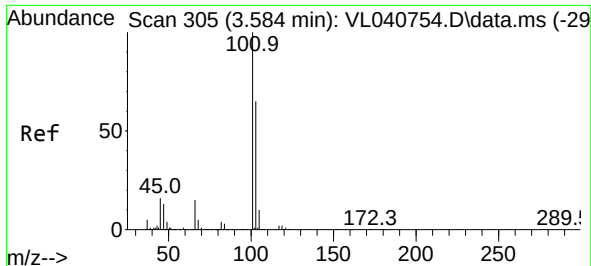
57 0.0 40.0 60.0

Abundance Scan 1552 (7.594 min): VL040831.D\data.ms



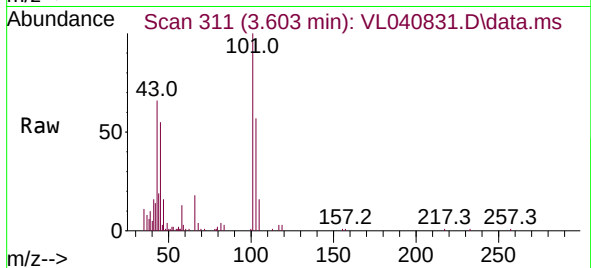
Abundance Scan 1552 (7.594 min): VL040831.D\data.ms (-1)





#11
Trichlorofluoromethane
Concen: 0.281 ppbv
RT: 3.603 min Scan# 311
Delta R.T. 0.010 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

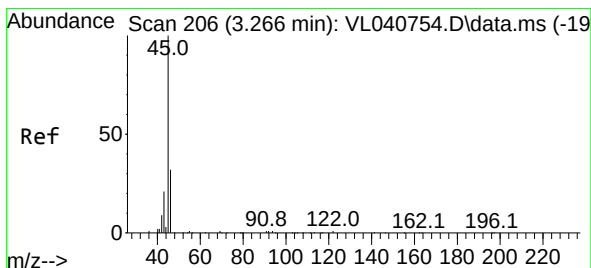
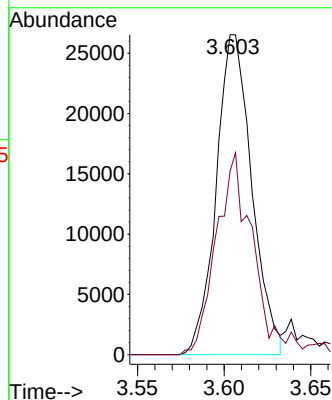
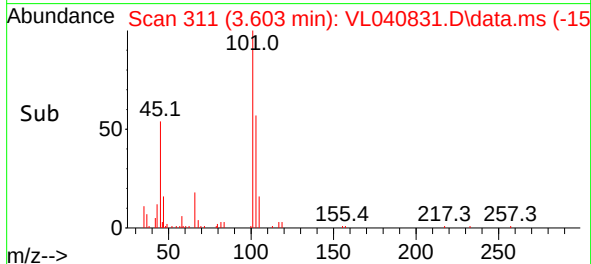
Instrument :
MSVOA_L
ClientSampleId :
NT-OA-4



Tgt Ion:101 Resp: 37925
Ion Ratio Lower Upper
101 100
103 57.5 52.2 78.2

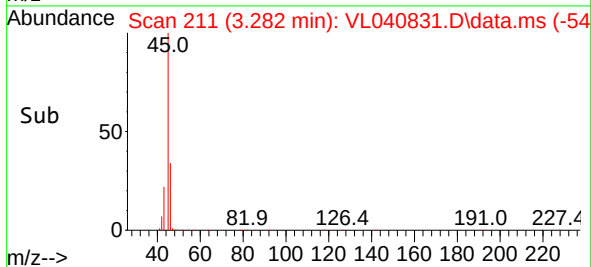
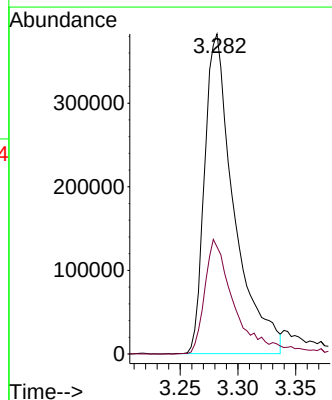
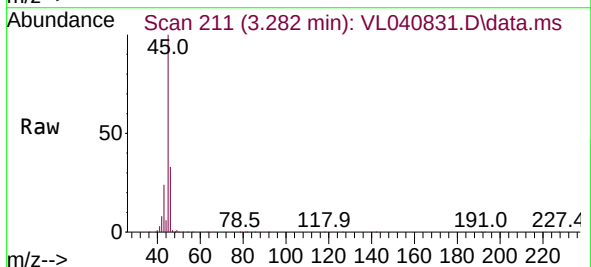
Manual Integrations
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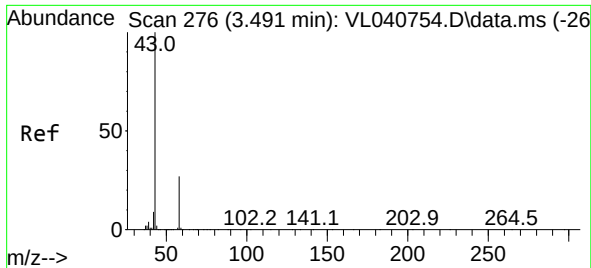
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#13
Ethanol
Concen: 55.495 ppbv
RT: 3.282 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

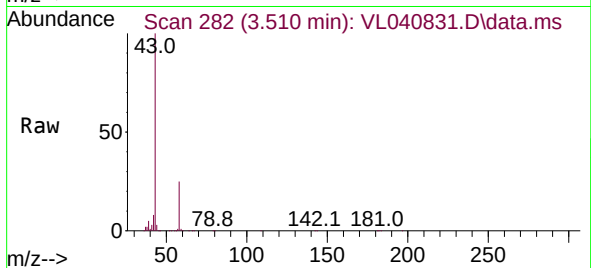
Tgt Ion: 45 Resp: 679048
Ion Ratio Lower Upper
45 100
46 37.2 14.6 58.2





#15
Acetone
Concen: 8.299 ppbv m
RT: 3.510 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

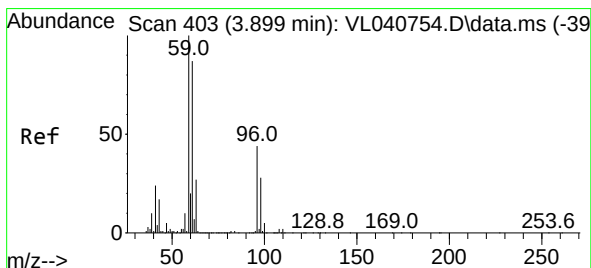
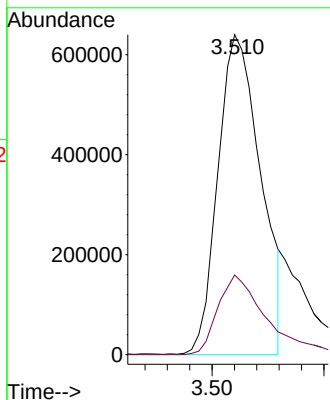
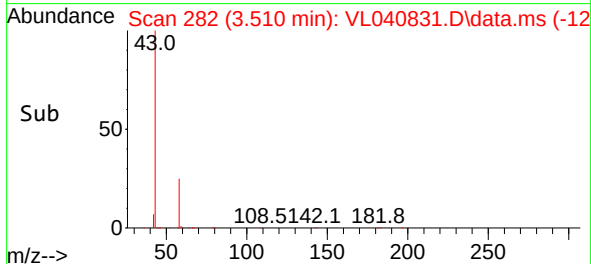
Instrument :
MSVOA_L
ClientSampleId :
NT-OA-4



Tgt Ion: 43 Resp: 851920
Ion Ratio Lower Upper
43 100
58 29.5 21.6 32.4

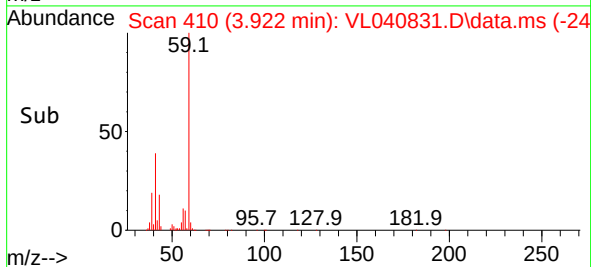
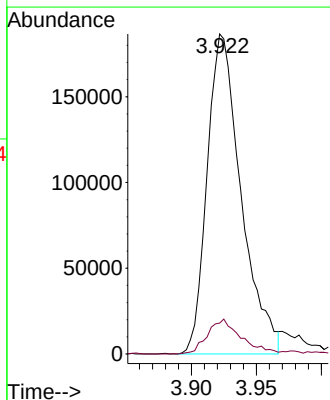
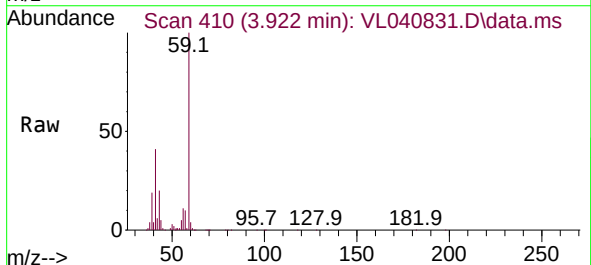
Manual Integrations
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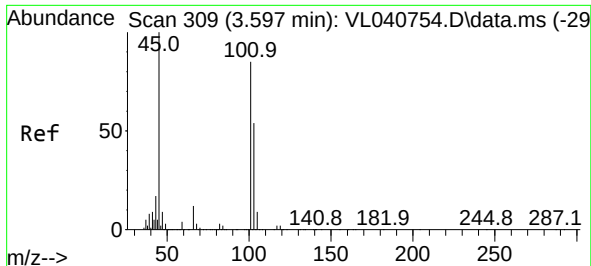
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#17
tert-Butyl alcohol
Concen: 3.222 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.016 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

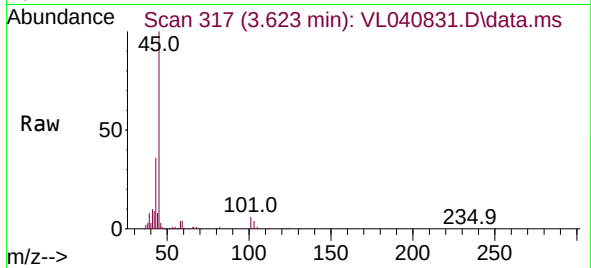
Tgt Ion: 59 Resp: 339186
Ion Ratio Lower Upper
59 100
57 11.9 8.6 13.0





#19
Isopropyl Alcohol
Concen: 2.781 ppbv
RT: 3.623 min Scan# 317
Delta R.T. 0.016 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

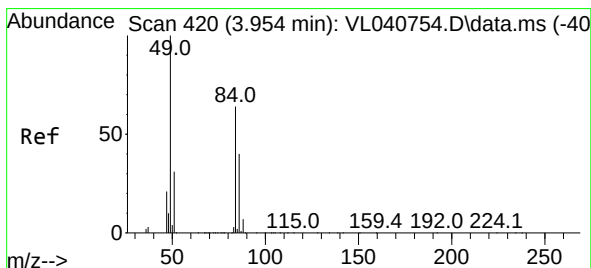
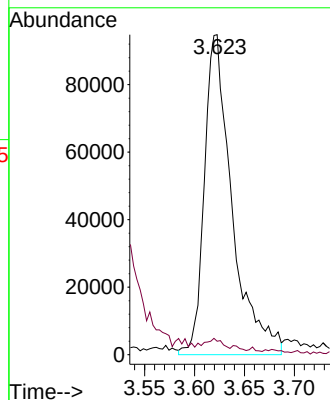
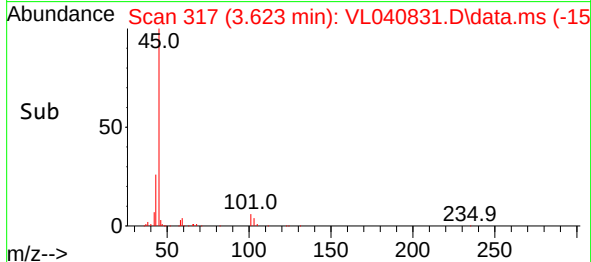
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MSVOA_L
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NT-OA-4



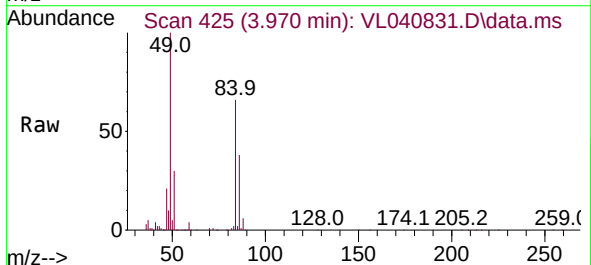
Tgt Ion: 45 Resp: 18380
Ion Ratio Lower Upper
45 100
58 9.0 30.3 45.5

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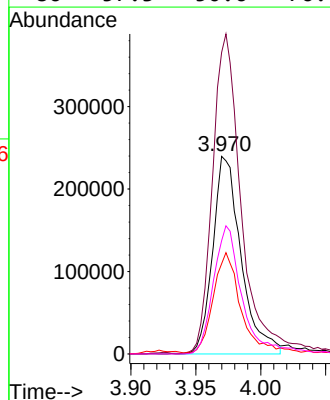
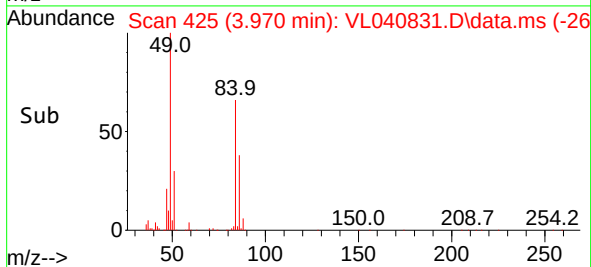
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

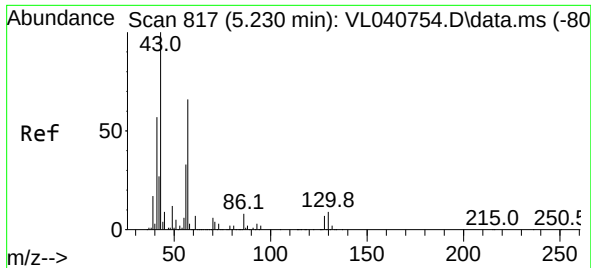


#20
Methylene Chloride
Concen: 8.497 ppbv
RT: 3.970 min Scan# 425
Delta R.T. 0.010 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19



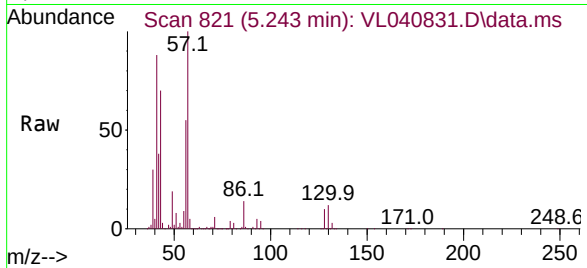
Tgt Ion: 84 Resp: 363348
Ion Ratio Lower Upper
84 100
49 152.3 125.6 188.4
51 44.7 38.9 58.3
86 57.3 50.6 76.0





#26
Hexane
Concen: 11.863 ppbv
RT: 5.243 min Scan# 817
Delta R.T. 0.016 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

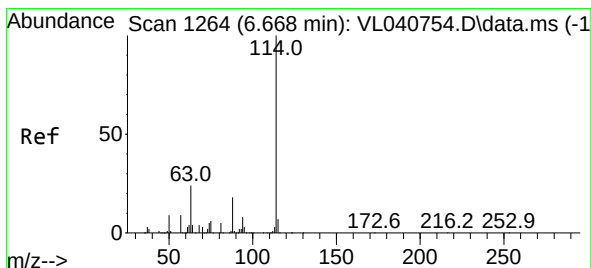
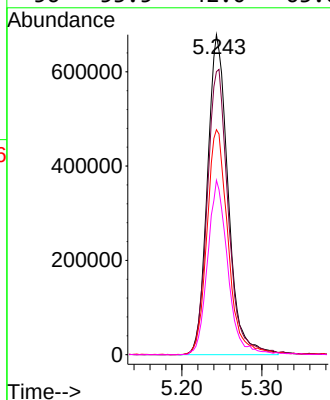
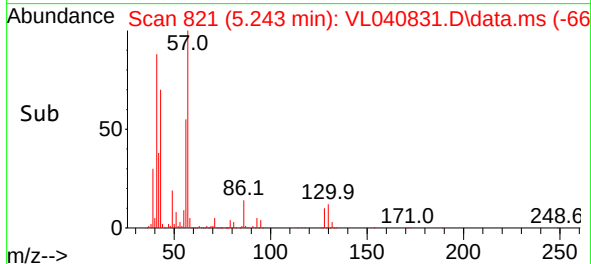
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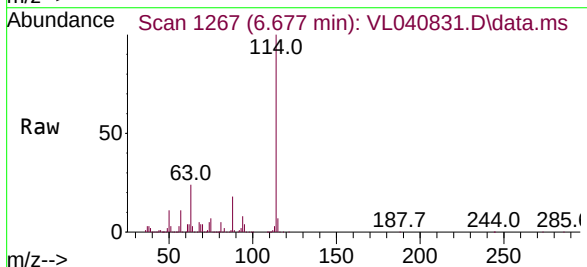
Tgt Ion: 57 Resp: 121955
Ion Ratio Lower Upper
57 100
41 91.5 71.4 107.2
43 72.4 182.3 273.5
56 53.5 42.0 63.0

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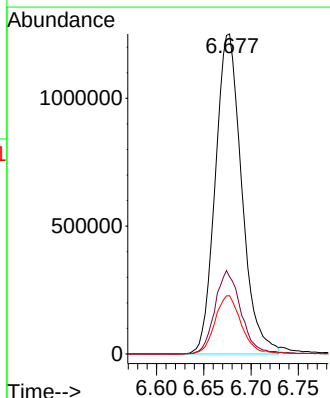
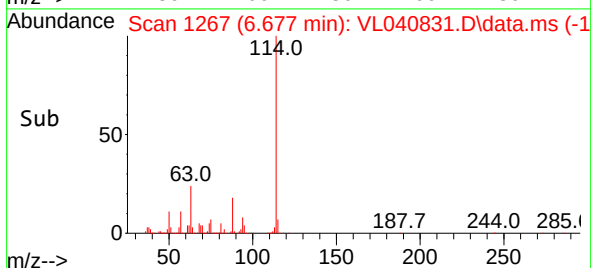
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

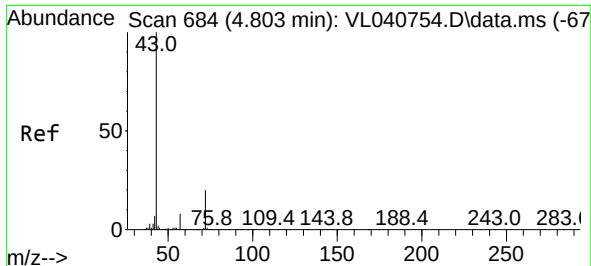


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.677 min Scan# 1267
Delta R.T. 0.013 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19



Tgt Ion:114 Resp: 2429032
Ion Ratio Lower Upper
114 100
63 26.0 19.8 29.6
88 18.4 14.2 21.2





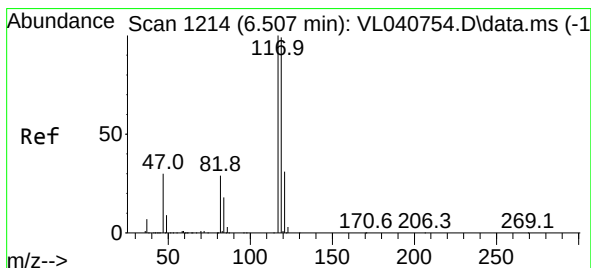
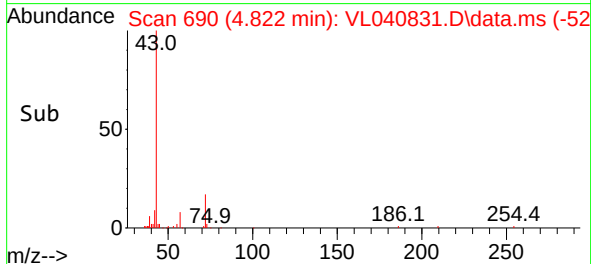
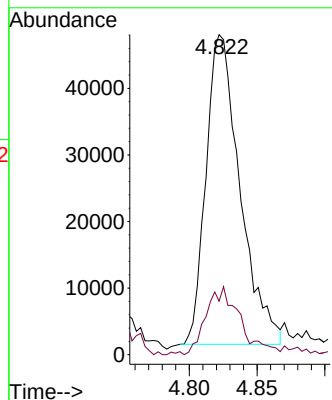
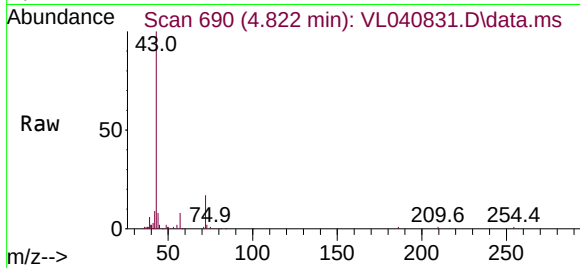
#34
2-Butanone
Concen: 0.738 ppbv
RT: 4.822 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

Instrument :
MSVOA_L
ClientSampleId :
NT-OA-4

Tgt Ion: 43 Resp: 8109
Ion Ratio Lower Upper
43 100
72 24.4 16.8 25.2

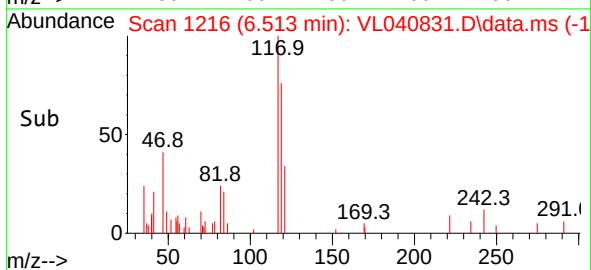
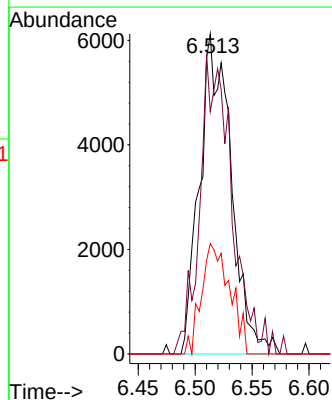
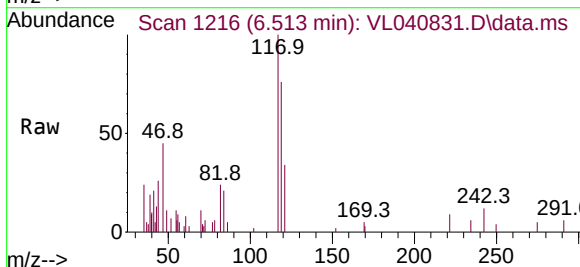
Manual Integrations
APPROVED

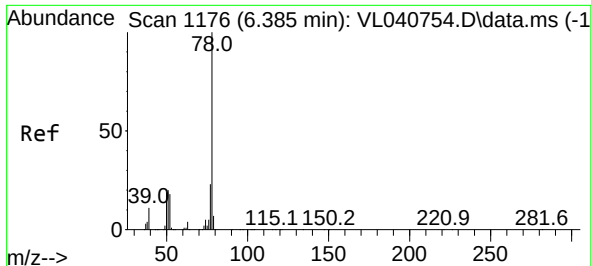
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#35
Carbon Tetrachloride
Concen: 0.087 ppbv m
RT: 6.513 min Scan# 1216
Delta R.T. 0.007 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

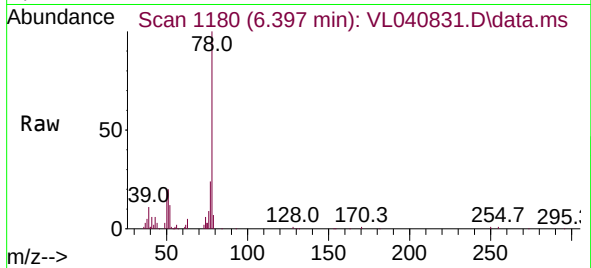
Tgt Ion:117 Resp: 11815
Ion Ratio Lower Upper
117 100
119 75.7 79.4 119.0#
121 34.5 25.0 37.4





#36
Benzene
Concen: 0.498 ppbv
RT: 6.397 min Scan# 1176
Delta R.T. 0.016 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

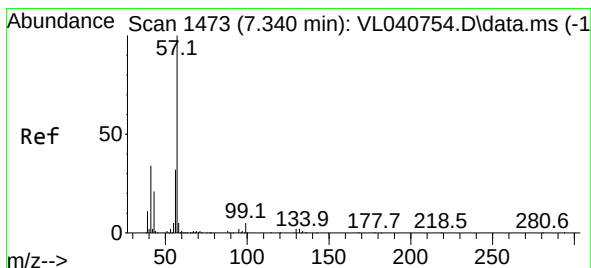
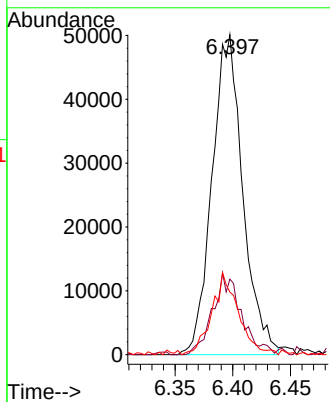
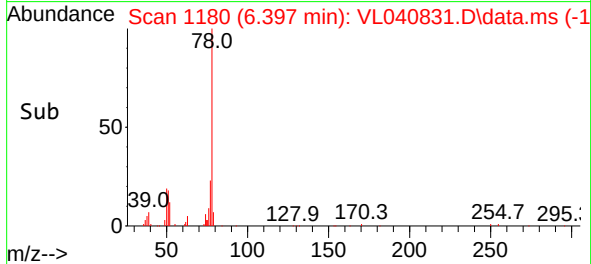
Instrument :
MSVOA_L
ClientSampleId :
NT-OA-4



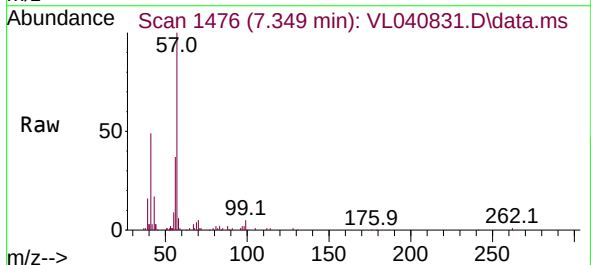
Tgt Ion: 78 Resp: 9297
Ion Ratio Lower Upper
78 100
77 23.6 18.4 27.6
50 19.5 15.0 22.4

Manual Integrations
APPROVED

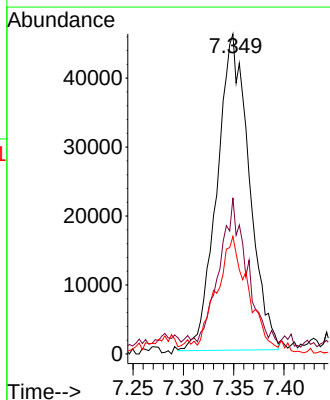
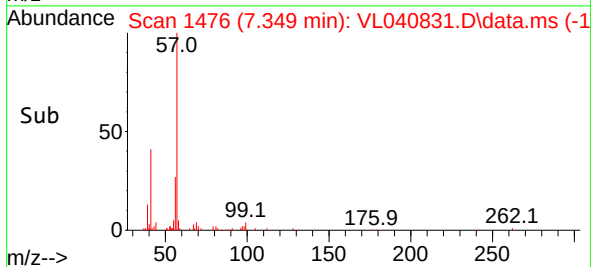
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

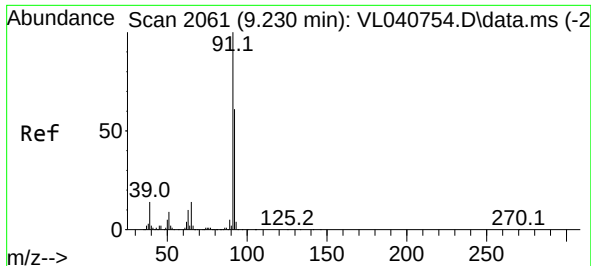


#44
2,2,4-Trimethylpentane
Concen: 0.324 ppbv
RT: 7.349 min Scan# 1476
Delta R.T. 0.016 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19



Tgt Ion: 57 Resp: 102305
Ion Ratio Lower Upper
57 100
41 48.3 27.4 41.0#
56 39.3 25.0 37.6#





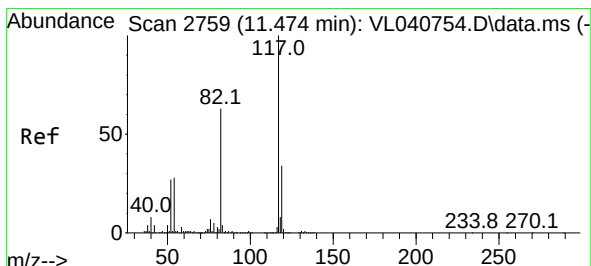
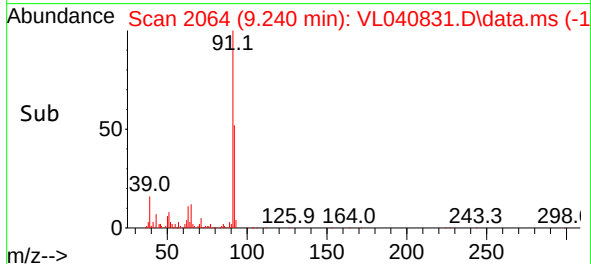
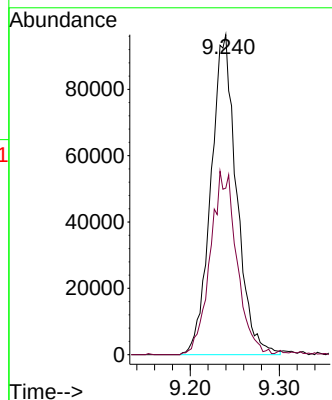
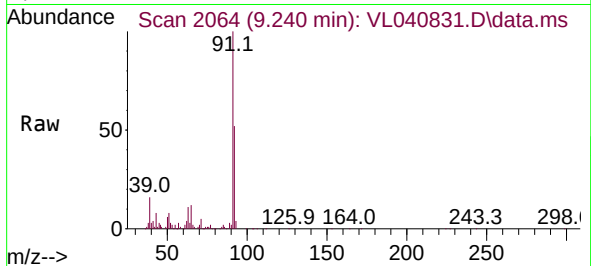
#53
Toluene
Concen: 0.868 ppbv
RT: 9.240 min Scan# 2061
Delta R.T. 0.019 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

Instrument :
MSVOA_L
ClientSampleId :
NT-OA-4

Tgt Ion: 91 Resp: 19308
Ion Ratio Lower Upper
91 100
92 60.3 50.2 75.2

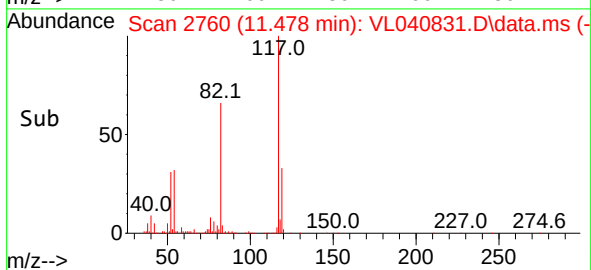
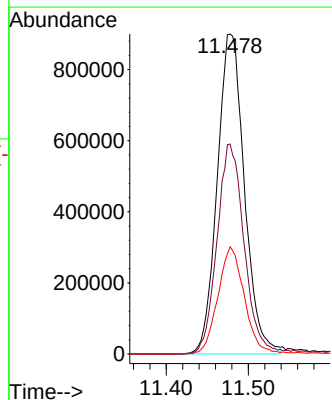
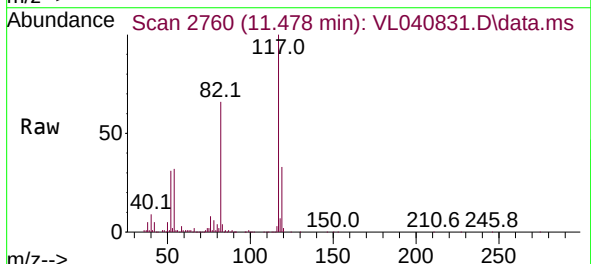
Manual Integrations
APPROVED

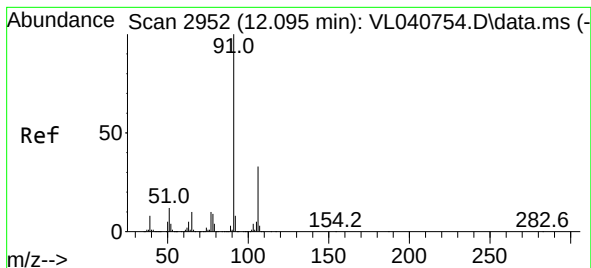
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.016 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

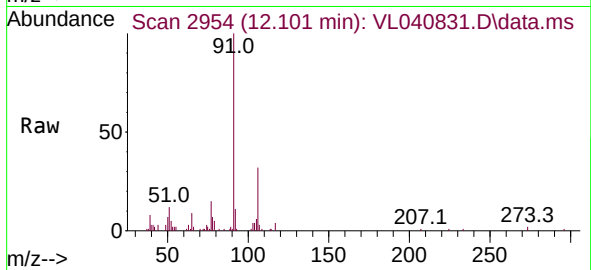
Tgt Ion:117 Resp: 2072140
Ion Ratio Lower Upper
117 100
82 67.0 46.6 70.0
119 33.2 26.0 39.0





#58
Ethyl Benzene
Concen: 0.163 ppbv m
RT: 12.101 min Scan# 2954
Delta R.T. 0.019 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

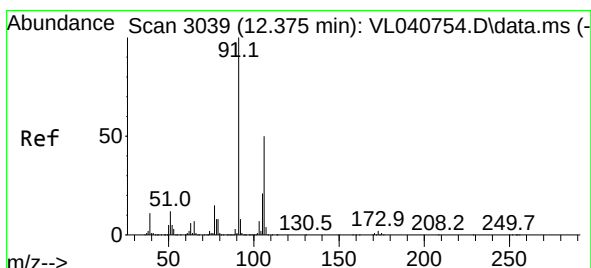
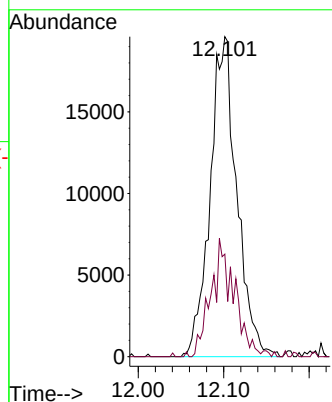
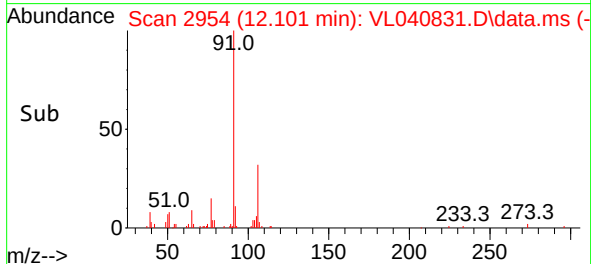
Instrument :
MSVOA_L
ClientSampleId :
NT-OA-4



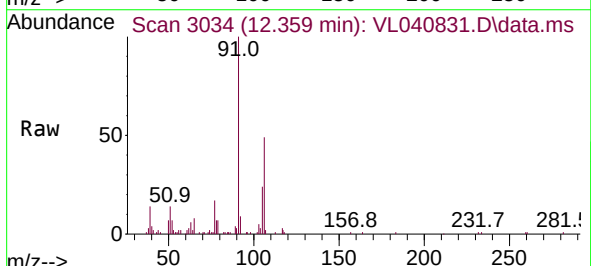
Tgt Ion: 91 Resp: 42640
Ion Ratio Lower Upper
91 100
106 32.1 26.7 40.1

Manual Integrations
APPROVED

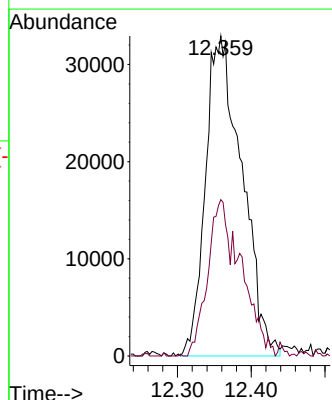
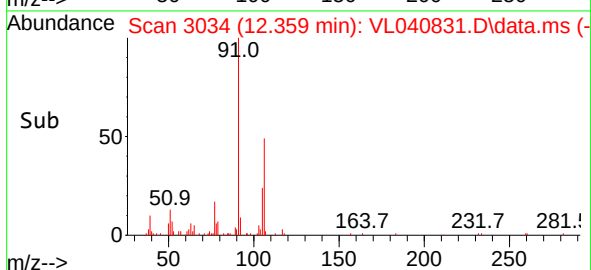
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

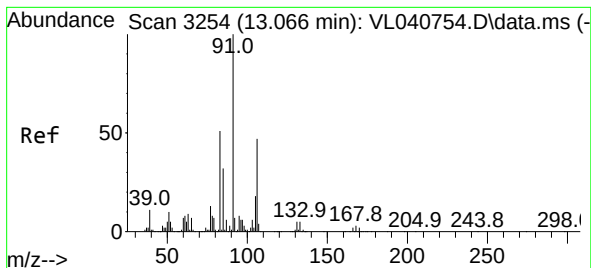


#59
m/p-Xylene
Concen: 0.526 ppbv m
RT: 12.359 min Scan# 3034
Delta R.T. -0.010 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19



Tgt Ion: 91 Resp: 112918
Ion Ratio Lower Upper
91 100
106 45.9 37.7 56.5





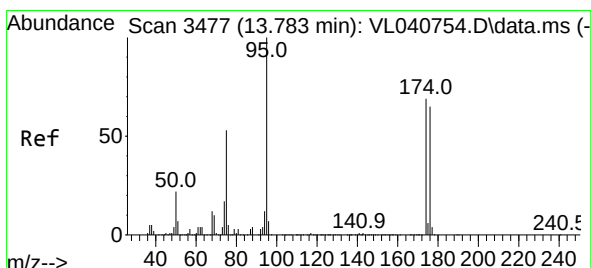
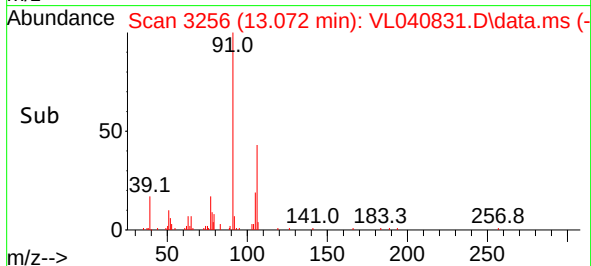
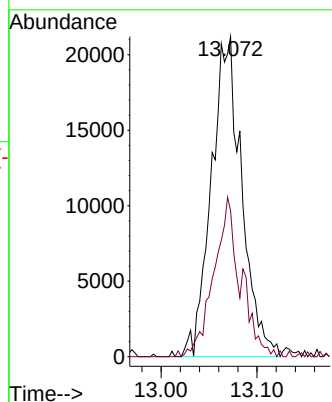
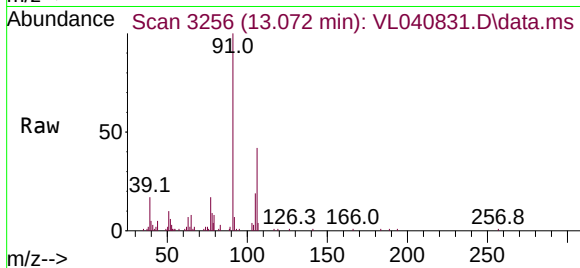
#60
o-Xylene
Concen: 0.228 ppbv m
RT: 13.072 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

Instrument :
MSVOA_L
ClientSampleId :
NT-OA-4

Tgt Ion: 91 Resp: 4656
Ion Ratio Lower Upper
91 100
106 44.3 23.5 70.5

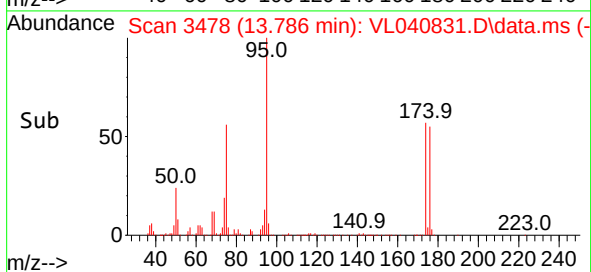
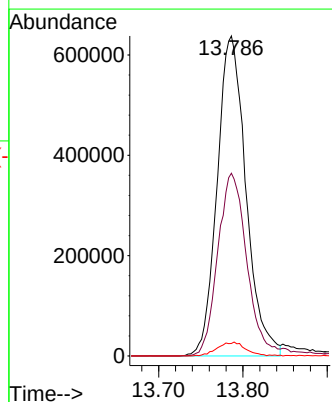
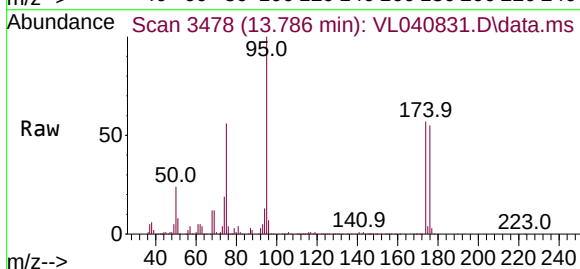
Manual Integrations
APPROVED

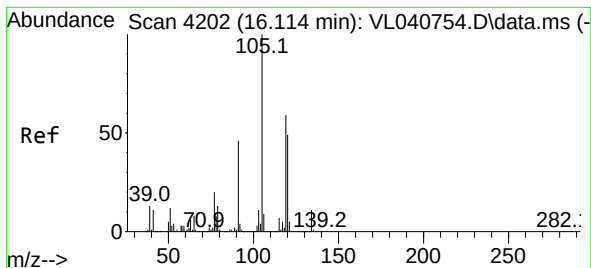
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.924 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.016 min
Lab File: VL040831.D
Acq: 9 Nov 2023 11:19

Tgt Ion: 95 Resp: 1513104
Ion Ratio Lower Upper
95 100
174 59.8 54.7 82.1
175 4.3 4.2 6.4





#74

1,2,4-Trimethylbenzene

Concen: 0.226 ppbv m

RT: 16.121 min Scan# 41

Delta R.T. 0.019 min

Lab File: VL040831.D

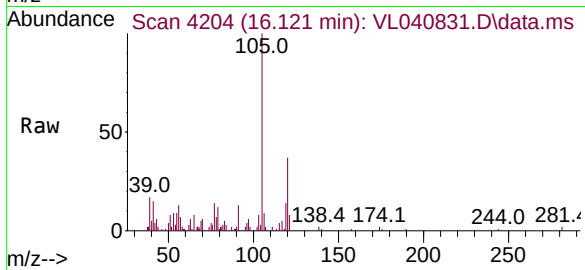
Acq: 9 Nov 2023 11:19

Instrument :

MSVOA_L

ClientSampleId :

NT-OA-4



Tgt Ion:	105	Resp:	52154
Ion	Ratio	Lower	Upper
105	100		
120	36.6	39.4	59.2
91	13.3	38.6	58.0
77	14.0	16.6	25.0

Manual Integrations

APPROVED

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

