

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110922\
 Data File : VL039854.D
 Acq On : 9 Nov 2022 18:53
 Operator : SY/AP
 Sample : N5527-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10604-OUTSIDE

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2022
 Supervised By :Mahesh Dadoda 11/11/2022

Quant Time: Nov 10 03:50:48 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.176	49	957592	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.629	114	2305049	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.433	117	2069555	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1709991	11.039	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.738	85	74964	0.464	ppbv	98
3) Chlorodifluoromethane	2.681	51	183807	1.610	ppbv	100
4) Chloromethane	2.819	50	30176	0.425	ppbv #	83
9) Propene	2.706	41	51105m	0.859	ppbv	
10) Heptane	7.555	43	35478	0.249	ppbv	91
11) Trichlorofluoromethane	3.562	101	31355m	0.238	ppbv	
13) Ethanol	3.243	45	226865	53.967	ppbv	93
15) Acetone	3.468	43	371781	3.190	ppbv #	79
19) Isopropyl Alcohol	3.587	45	49857m	0.864	ppbv	
20) Methylene Chloride	3.931	84	857421	20.562	ppbv	88
26) Hexane	5.201	57	973910	9.098	ppbv #	39
30) Cyclohexane	6.578	84	18690m	0.209	ppbv	
34) 2-Butanone	4.783	43	38200	0.402	ppbv #	79
35) Carbon Tetrachloride	6.468	117	9448m	0.070	ppbv	
36) Benzene	6.349	78	52242	0.269	ppbv	96
44) 2,2,4-Trimethylpentane	7.301	57	347245	1.058	ppbv	94
53) Toluene	9.192	91	314807	1.411	ppbv	99
58) Ethyl Benzene	12.053	91	458657	1.639	ppbv	96
59) m/p-Xylene	12.314	91	1319436	5.649	ppbv	99
60) o-Xylene	13.024	91	299955	1.355	ppbv	98
74) 1,2,4-Trimethylbenzene	16.076	105	67933m	0.289	ppbv	

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

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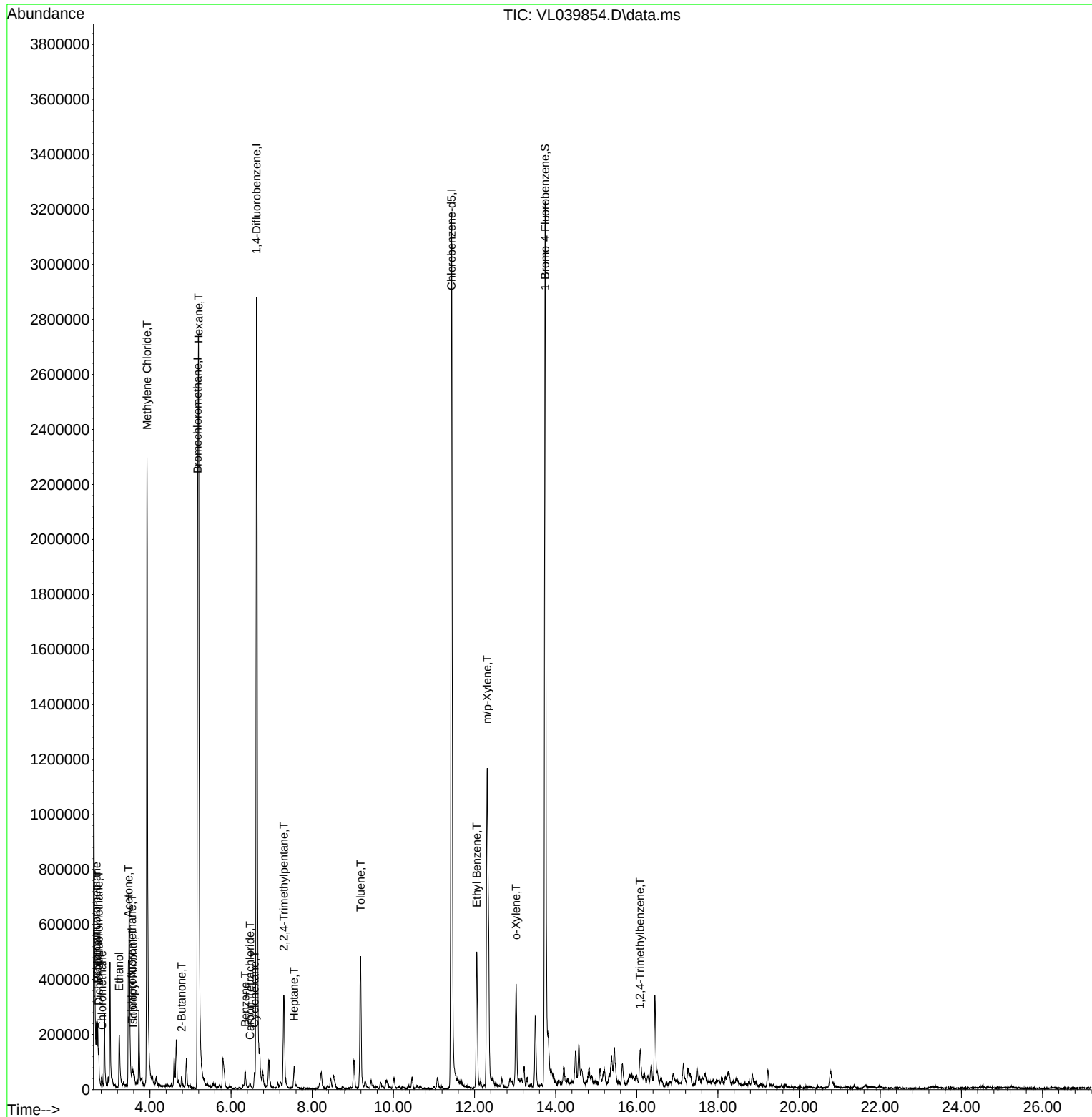
Quant Time: Nov 10 03:50:48 2022

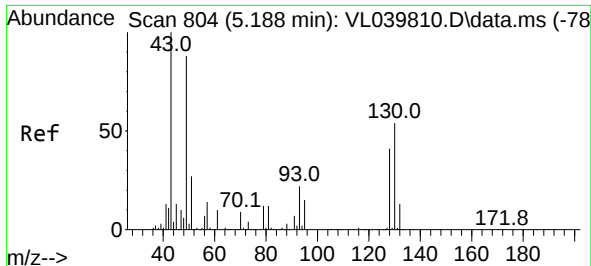
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

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

QLast Update : Thu Nov 03 09:27:12 2022

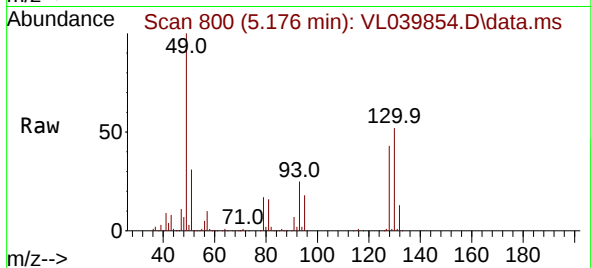
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 804
Delta R.T. -0.012 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

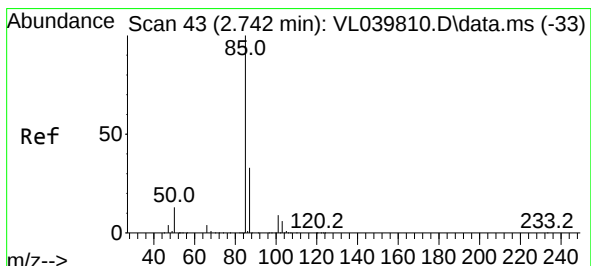
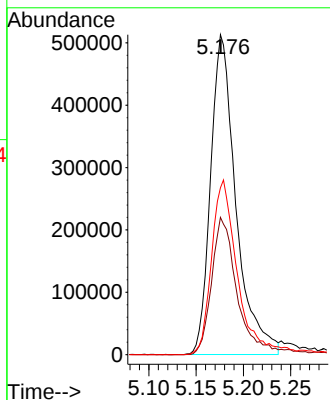
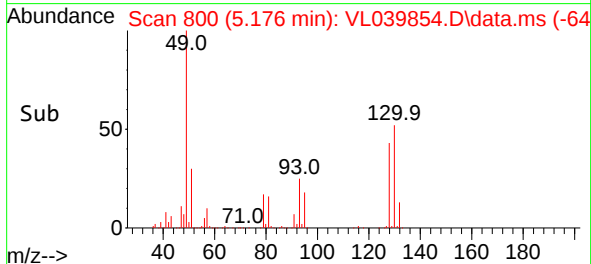
Instrument : MSVOA_L
ClientSampleId : 10604-OUTSIDE



Tgt Ion: 49 Resp: 957592
Ion Ratio Lower Upper
49 100
128 44.7 24.6 73.6
130 58.4 31.1 93.2

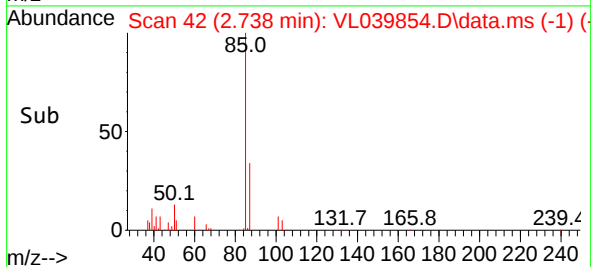
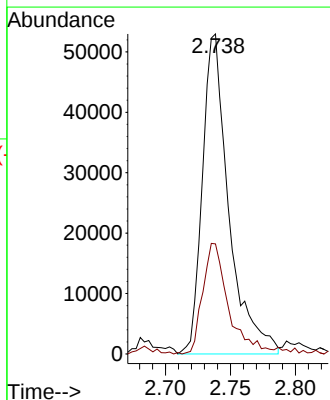
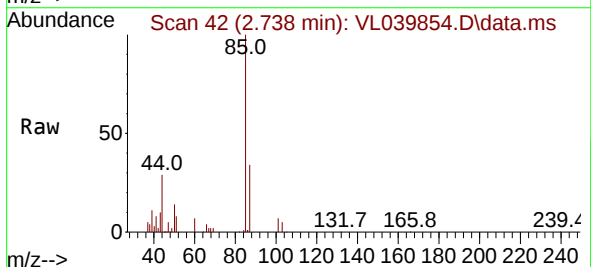
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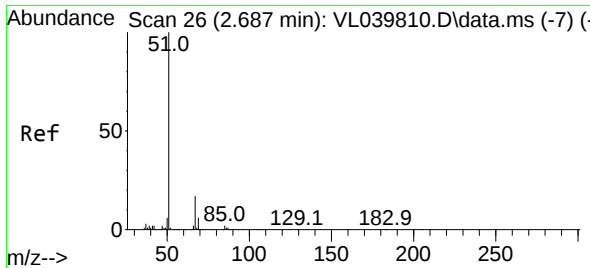
Reviewed By :Semsettin Yesilyurt 11/10/2022
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#2
Dichlorodifluoromethane
Concen: 0.464 ppbv
RT: 2.738 min Scan# 42
Delta R.T. -0.003 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

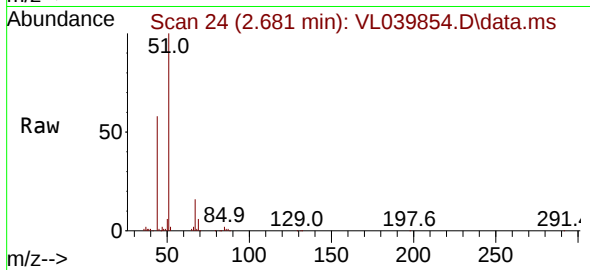
Tgt Ion: 85 Resp: 74964
Ion Ratio Lower Upper
85 100
87 34.0 26.4 39.6





#3
Chlorodifluoromethane
Concen: 1.610 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.006 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

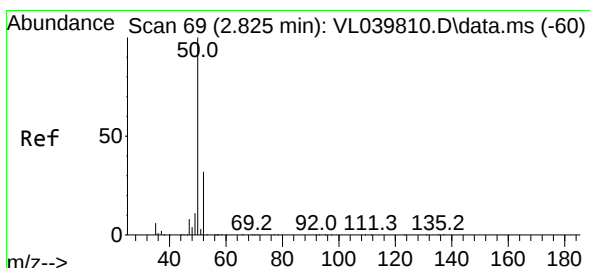
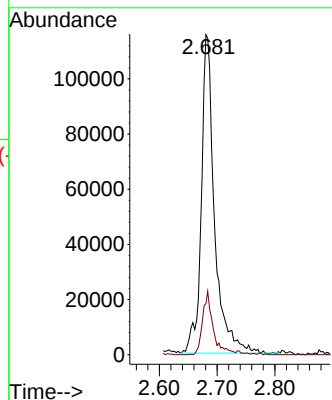
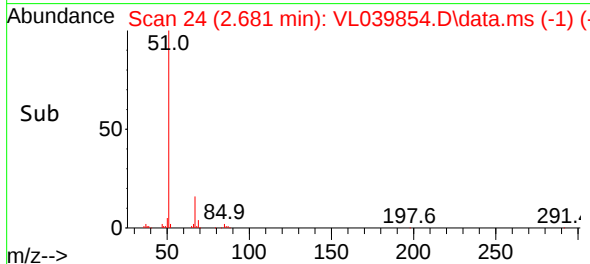
Instrument :
MSVOA_L
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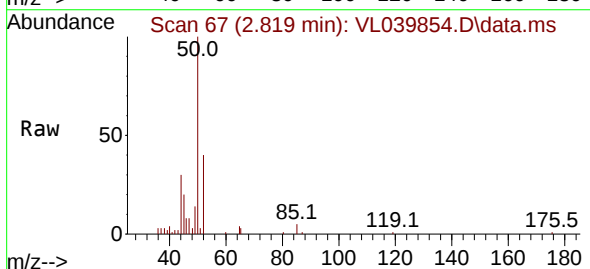
Tgt Ion: 51 Resp: 18380
Ion Ratio Lower Upper
51 100
67 16.7 13.2 19.8

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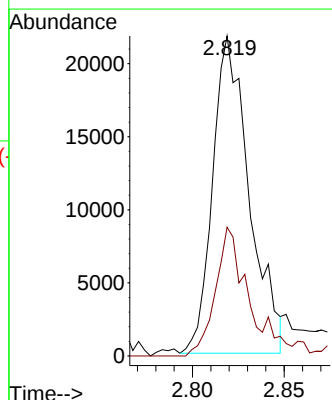
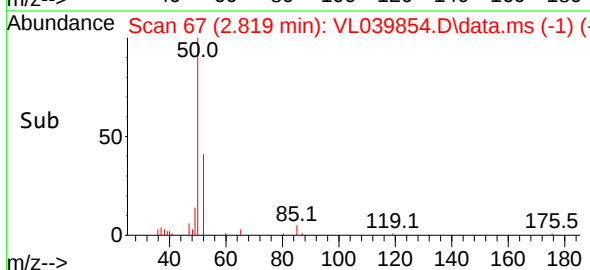
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022

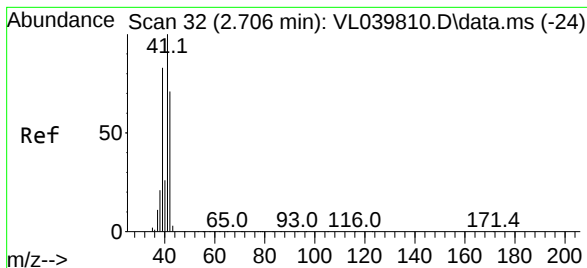


#4
Chloromethane
Concen: 0.425 ppbv
RT: 2.819 min Scan# 67
Delta R.T. -0.006 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53



Tgt Ion: 50 Resp: 30176
Ion Ratio Lower Upper
50 100
52 41.5 25.5 38.3#





#9

Propene

Concen: 0.859 ppbv m

RT: 2.706 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL039854.D

Acq: 9 Nov 2022 18:53

Instrument :

MSVOA_L

ClientSampleId :

10604-OUTSIDE

Tgt Ion: 41 Resp: 5110

Ion Ratio Lower Upper

41 100

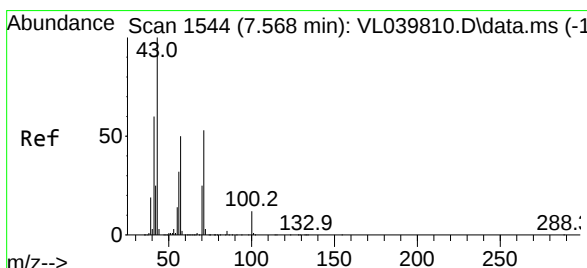
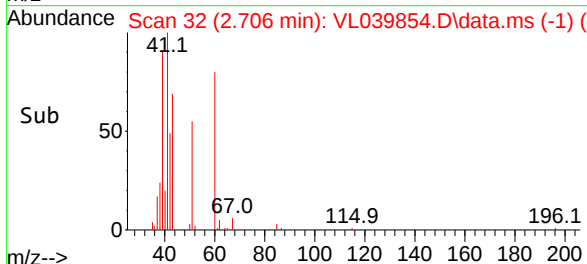
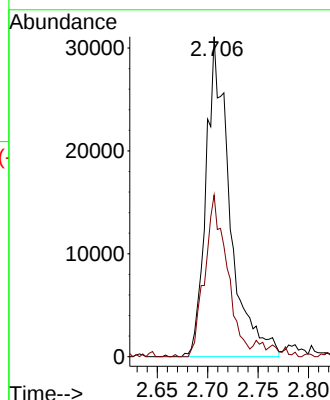
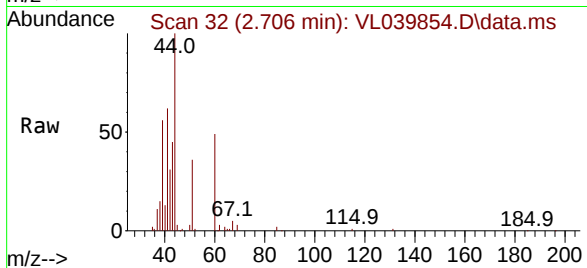
42 51.4 56.3 84.5

Manual Integrations

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#10

Heptane

Concen: 0.249 ppbv

RT: 7.555 min Scan# 1540

Delta R.T. -0.013 min

Lab File: VL039854.D

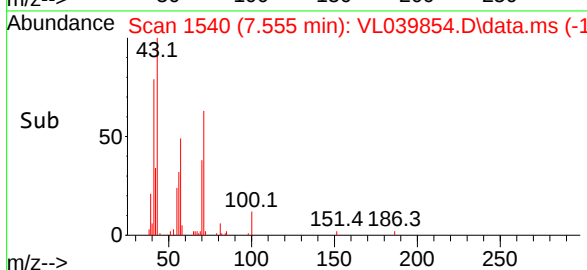
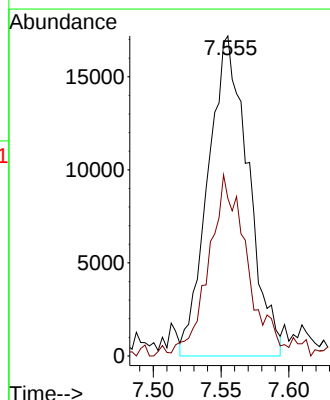
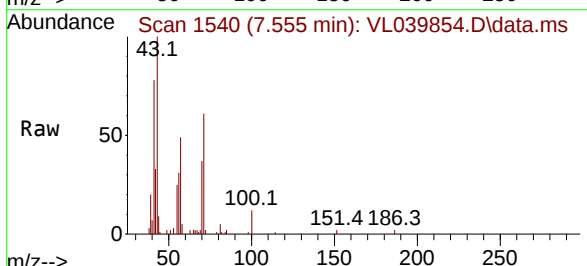
Acq: 9 Nov 2022 18:53

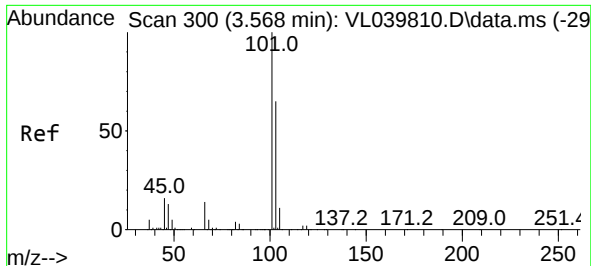
Tgt Ion: 43 Resp: 35478

Ion Ratio Lower Upper

43 100

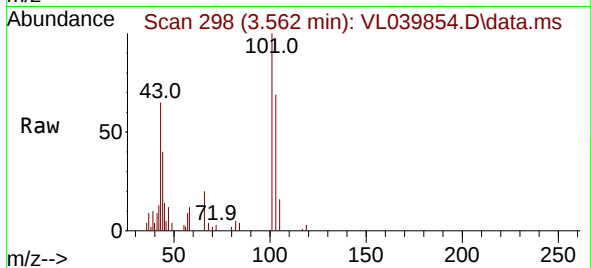
57 56.8 40.5 60.7





#11
Trichlorofluoromethane
Concen: 0.238 ppbv m
RT: 3.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

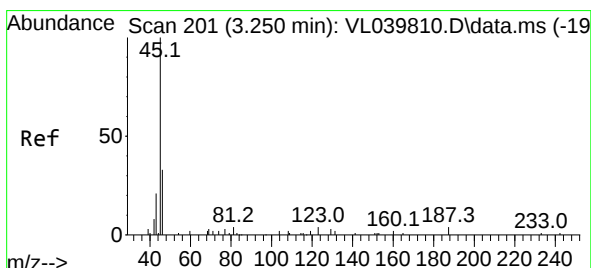
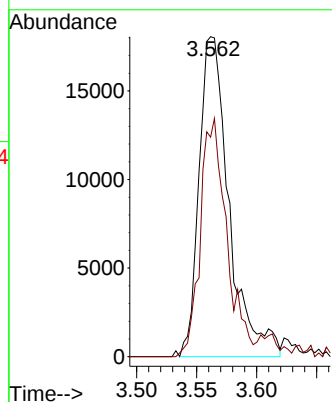
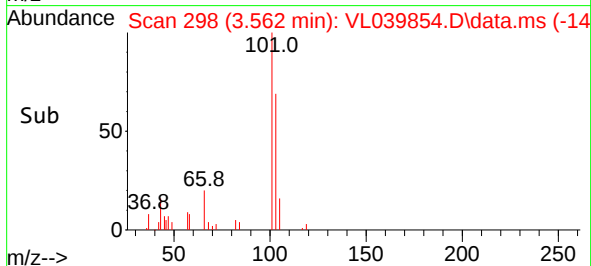
Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDE



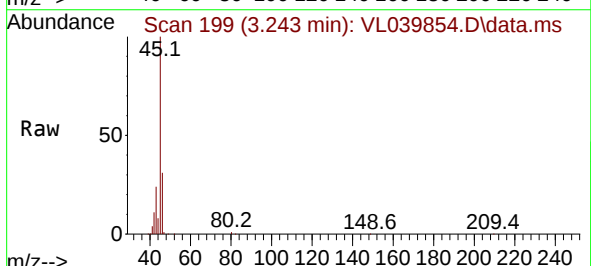
Tgt Ion:101 Resp: 3135
Ion Ratio Lower Upper
101 100
103 68.6 52.2 78.2

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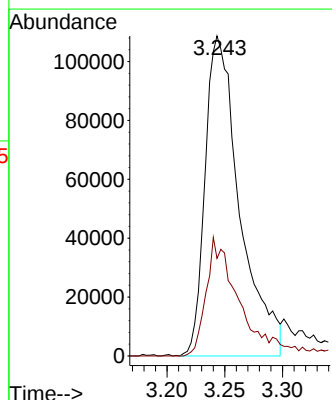
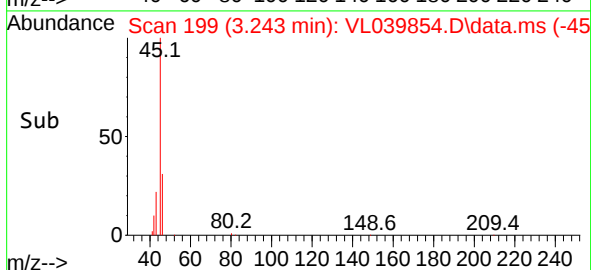
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022

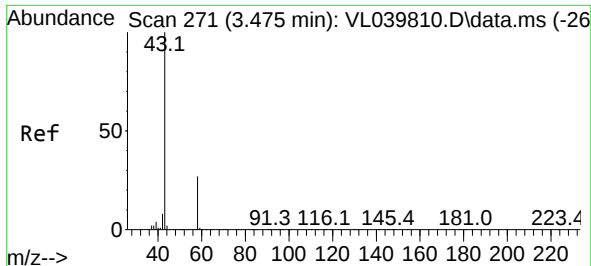


#13
Ethanol
Concen: 53.967 ppbv
RT: 3.243 min Scan# 199
Delta R.T. -0.006 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53



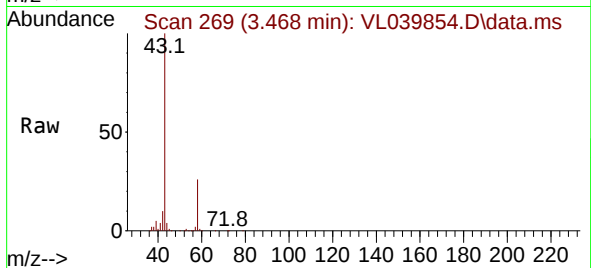
Tgt Ion: 45 Resp: 226865
Ion Ratio Lower Upper
45 100
46 36.8 16.5 65.9





#15
Acetone
Concen: 3.190 ppbv
RT: 3.468 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

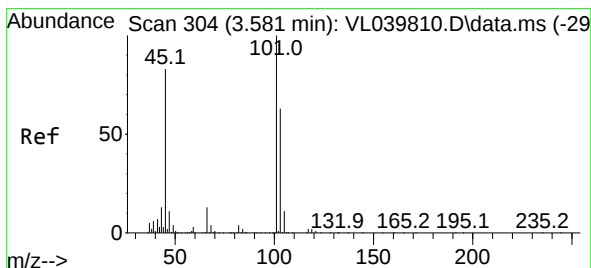
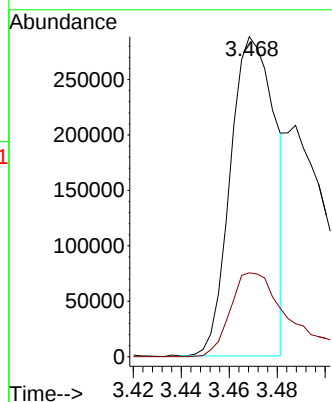
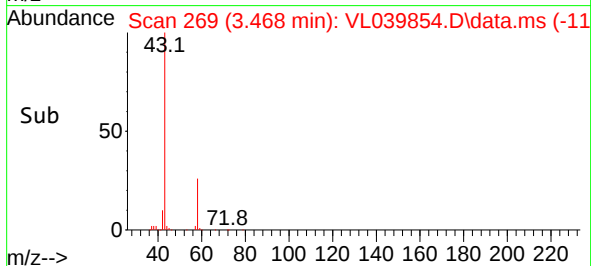
Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDE



Tgt Ion: 43 Resp: 37178
Ion Ratio Lower Upper
43 100
58 40.4 23.2 34.8

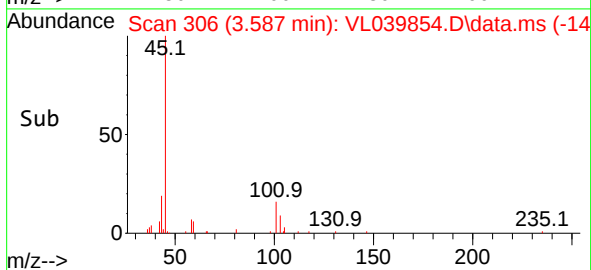
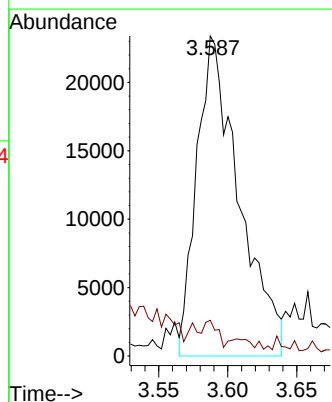
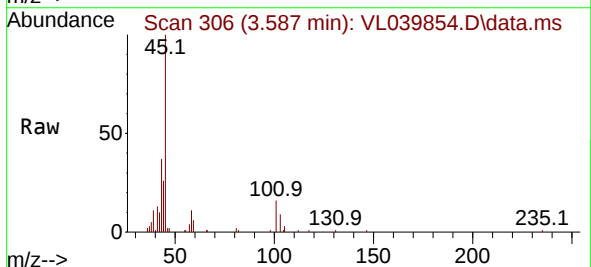
Manual Integrations
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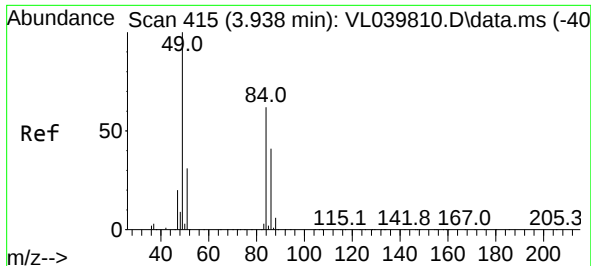
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#19
Isopropyl Alcohol
Concen: 0.864 ppbv m
RT: 3.587 min Scan# 306
Delta R.T. 0.007 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

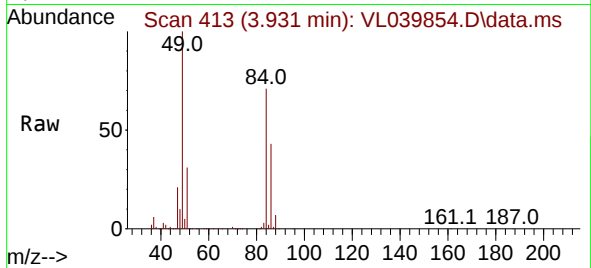
Tgt Ion: 45 Resp: 49857
Ion Ratio Lower Upper
45 100
58 0.0 38.3 57.5





#20
Methylene Chloride
Concen: 20.562 ppbv
RT: 3.931 min Scan# 415
Delta R.T. -0.006 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

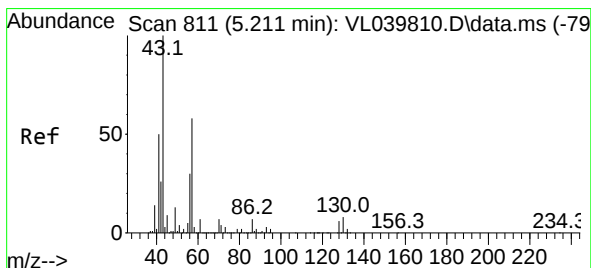
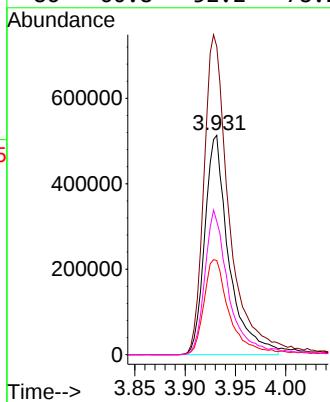
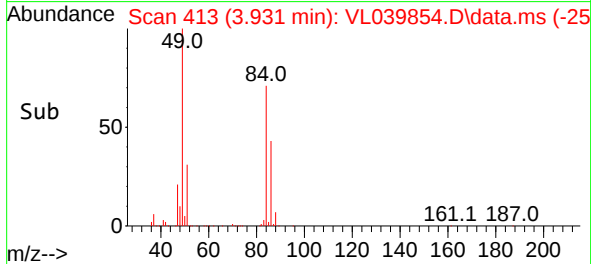
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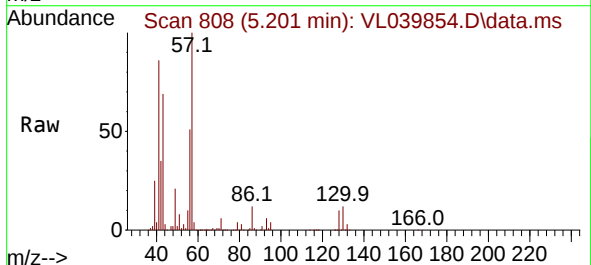
Tgt Ion: 84 Resp: 85742
Ion Ratio Lower Upper
84 100
49 140.4 128.6 192.8
51 42.9 40.2 60.4
86 60.8 52.2 78.2

Manual Integrations
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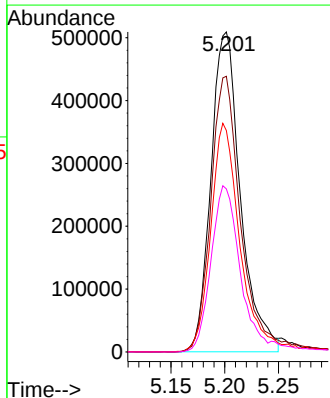
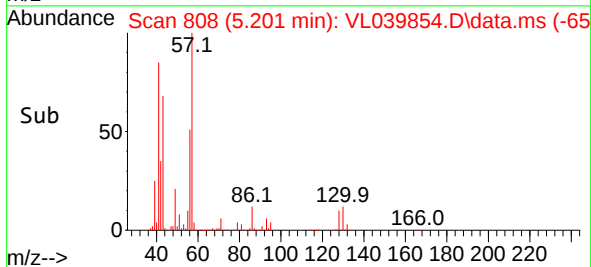
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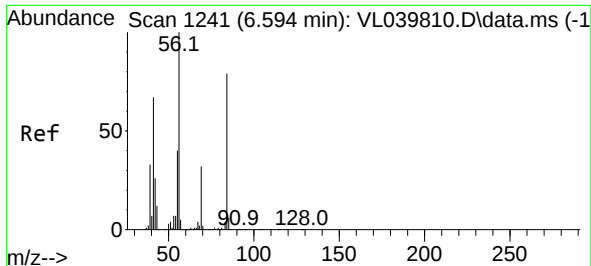


#26
Hexane
Concen: 9.098 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.010 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53



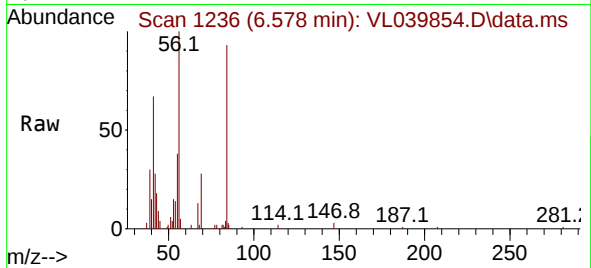
Tgt Ion: 57 Resp: 973910
Ion Ratio Lower Upper
57 100
41 89.9 73.7 110.5
43 72.4 189.8 284.8#
56 53.7 43.1 64.7





#30
Cyclohexane
Concen: 0.209 ppbv m
RT: 6.578 min Scan# 1236
Delta R.T. -0.016 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

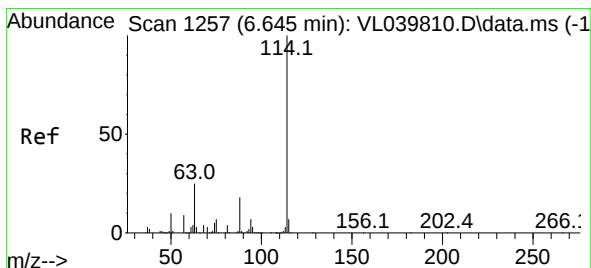
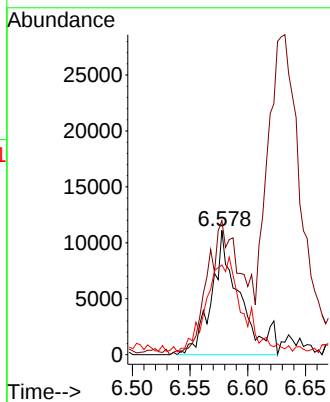
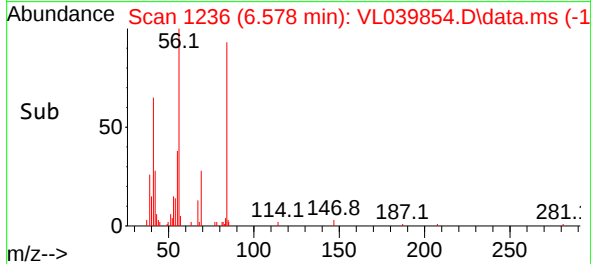
Instrument :
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ClientSampleId :
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Tgt Ion: 84 Resp: 18690
Ion Ratio Lower Upper
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56 122.1 114.8 172.2
41 106.0 68.6 103.0

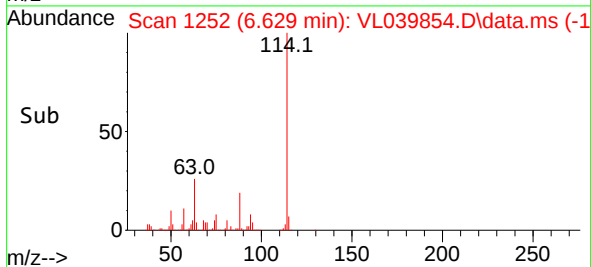
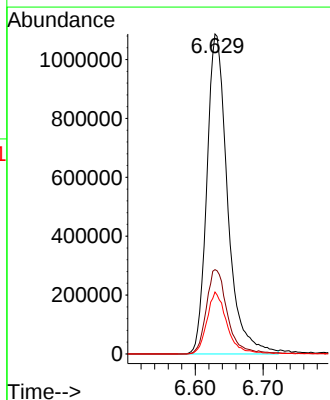
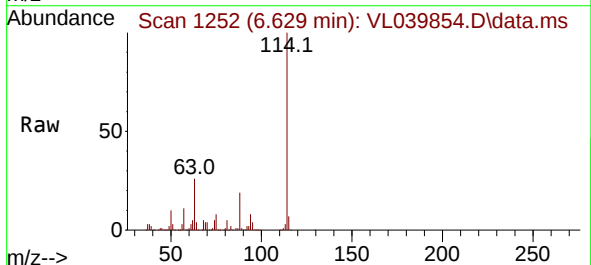
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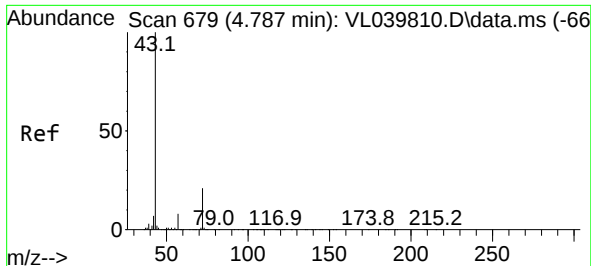
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. -0.016 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

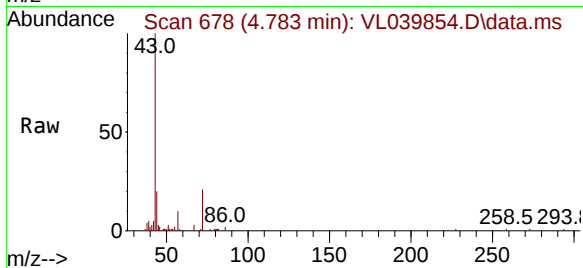
Tgt Ion:114 Resp: 2305049
Ion Ratio Lower Upper
114 100
63 27.1 19.8 29.6
88 18.8 14.4 21.6





#34
2-Butanone
Concen: 0.402 ppbv
RT: 4.783 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

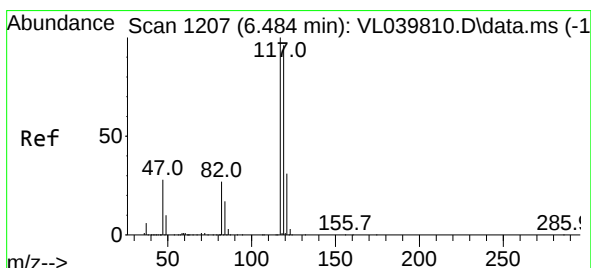
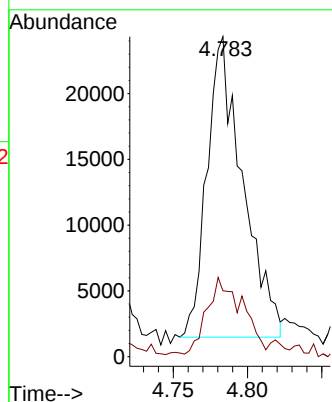
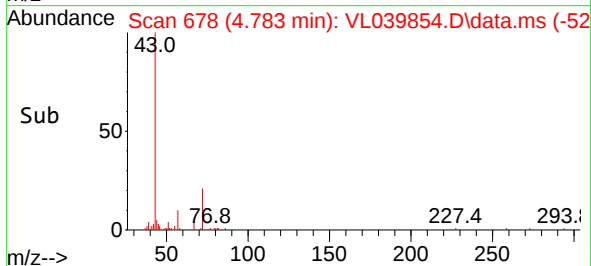
Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDE



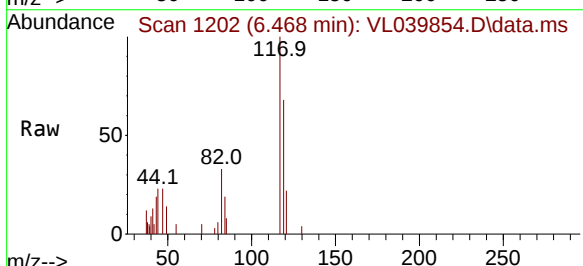
Tgt Ion: 43 Resp: 38200
Ion Ratio Lower Upper
43 100
72 31.8 17.5 26.3

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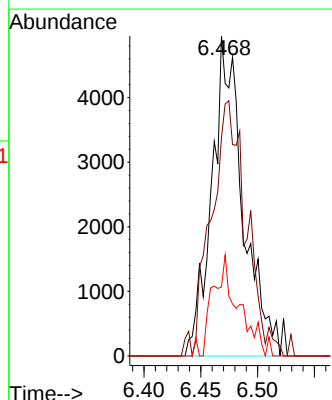
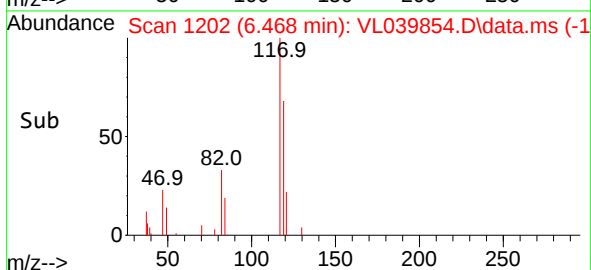
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022

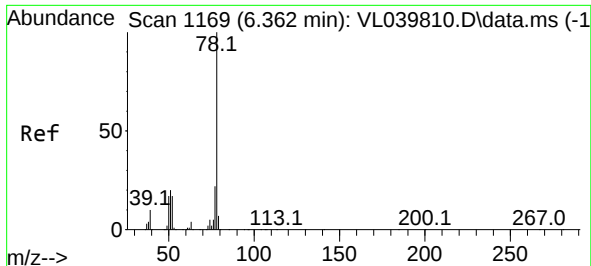


#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 6.468 min Scan# 1202
Delta R.T. -0.016 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53



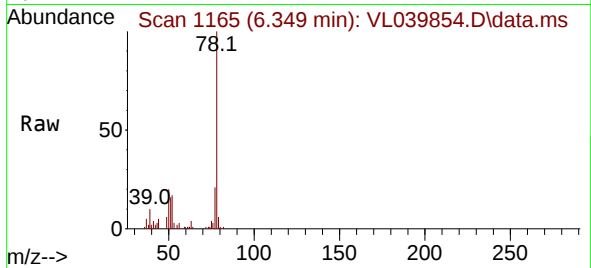
Tgt Ion:117 Resp: 9448
Ion Ratio Lower Upper
117 100
119 68.2 76.5 114.7#
121 21.6 25.2 37.8#





#36
Benzene
Concen: 0.269 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. -0.013 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

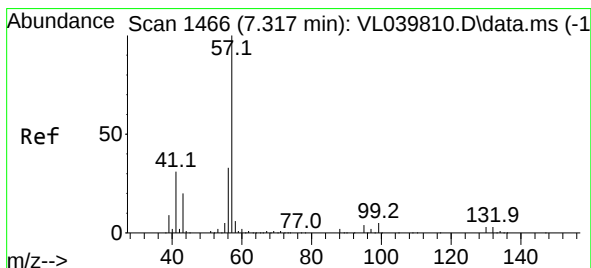
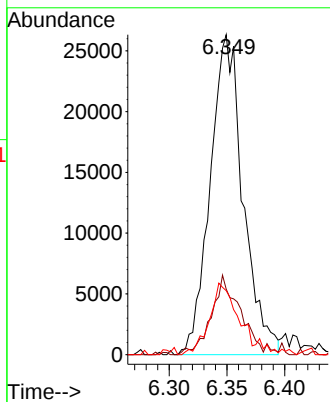
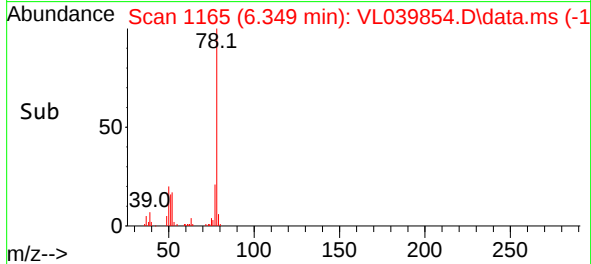
Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDE



Tgt Ion: 78 Resp: 5224
Ion Ratio Lower Upper
78 100
77 20.5 17.4 26.2
50 20.0 13.9 20.9

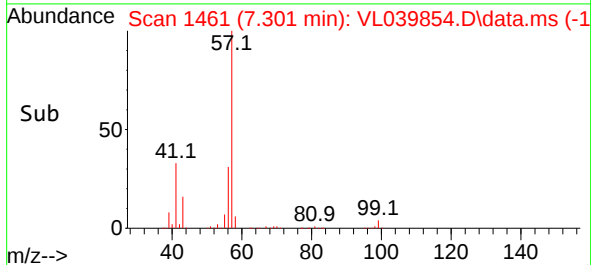
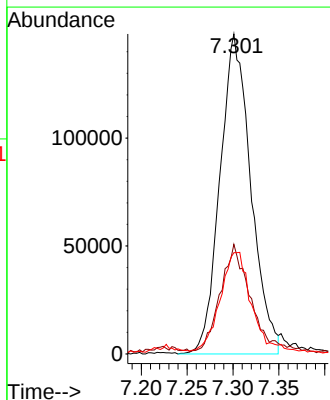
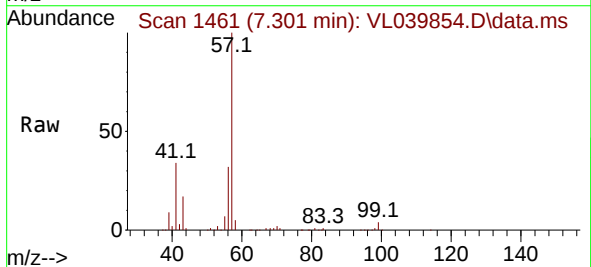
Manual Integrations
APPROVED

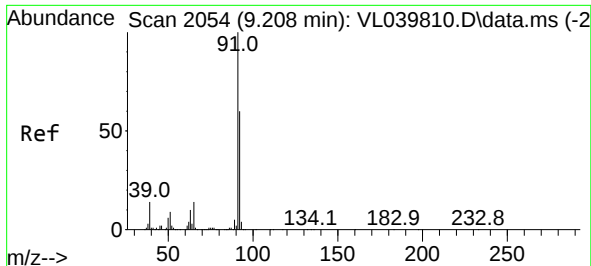
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#44
2,2,4-Trimethylpentane
Concen: 1.058 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. -0.016 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

Tgt Ion: 57 Resp: 347245
Ion Ratio Lower Upper
57 100
41 35.1 24.6 36.8
56 34.0 25.4 38.0





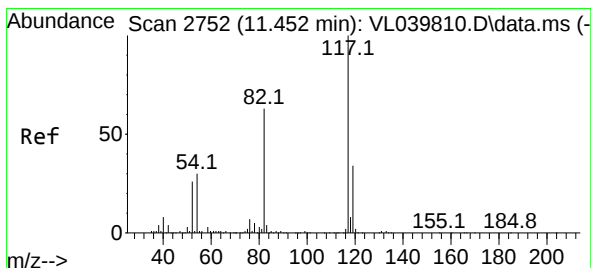
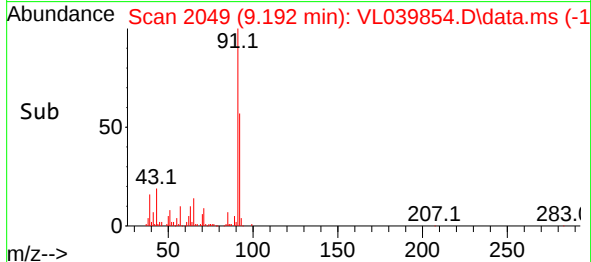
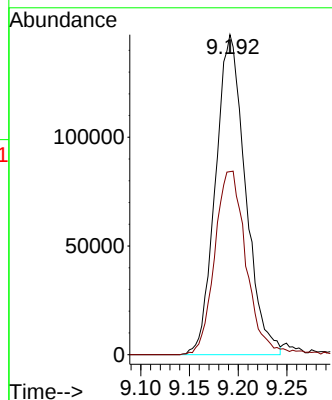
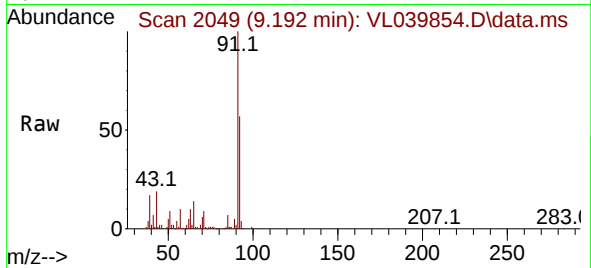
#53
Toluene
Concen: 1.411 ppbv
RT: 9.192 min Scan# 2054
Delta R.T. -0.016 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDE

Tgt Ion: 91 Resp: 31480
Ion Ratio Lower Upper
91 100
92 60.9 49.6 74.4

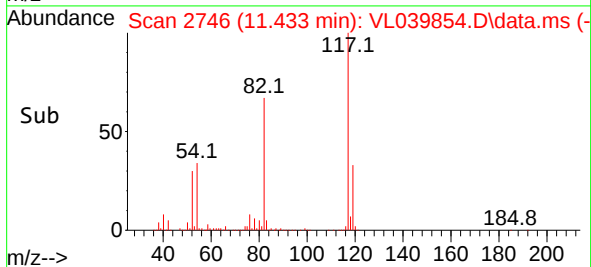
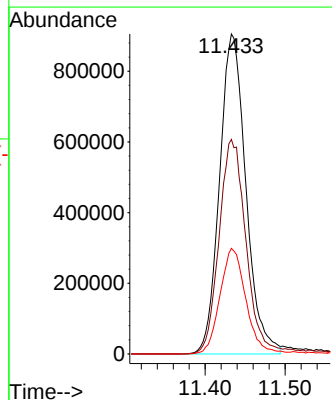
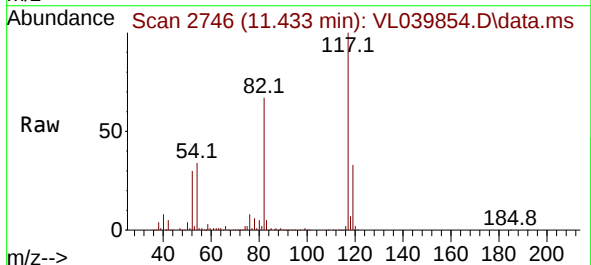
Manual Integrations
APPROVED

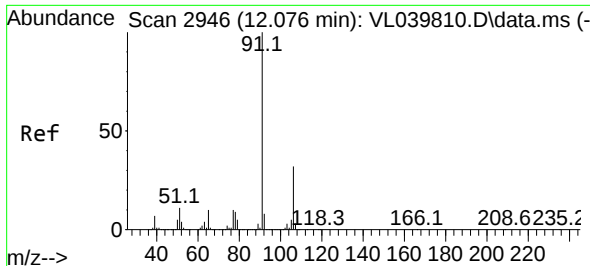
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.433 min Scan# 2746
Delta R.T. -0.019 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

Tgt Ion:117 Resp: 2069555
Ion Ratio Lower Upper
117 100
82 70.3 51.0 76.6
119 33.5 24.7 37.1





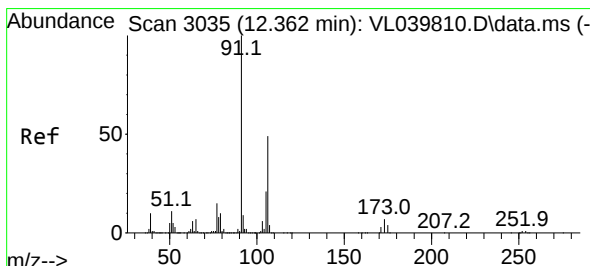
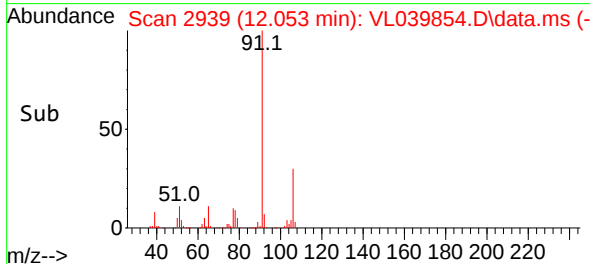
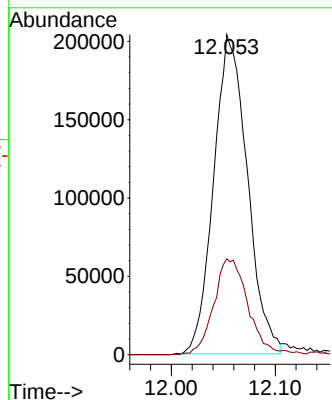
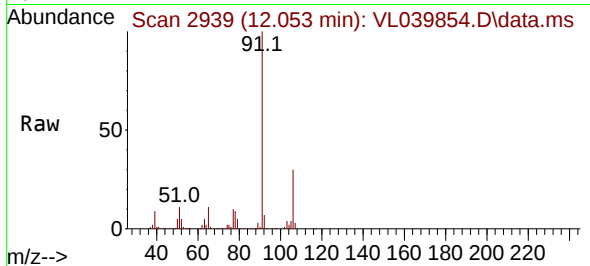
#58
Ethyl Benzene
Concen: 1.639 ppbv
RT: 12.053 min Scan# 2946
Delta R.T. -0.022 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDE

Tgt Ion: 91 Resp: 45865
Ion Ratio Lower Upper
91 100
106 29.9 25.9 38.9

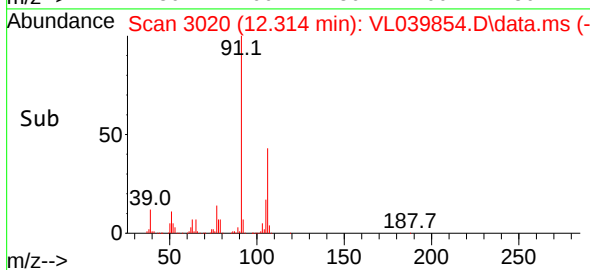
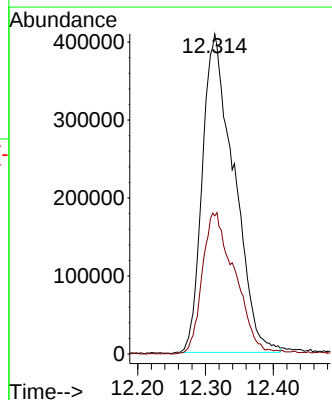
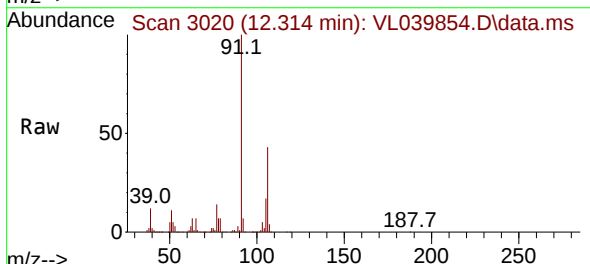
Manual Integrations
APPROVED

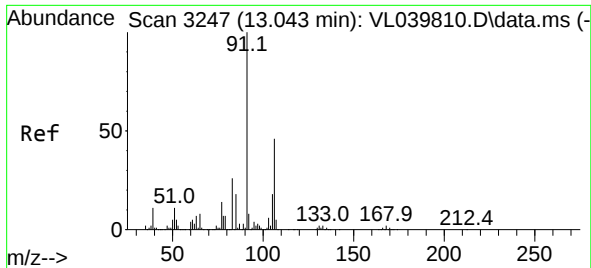
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#59
m/p-Xylene
Concen: 5.649 ppbv
RT: 12.314 min Scan# 3020
Delta R.T. -0.048 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

Tgt Ion: 91 Resp: 1319436
Ion Ratio Lower Upper
91 100
106 46.5 37.6 56.4





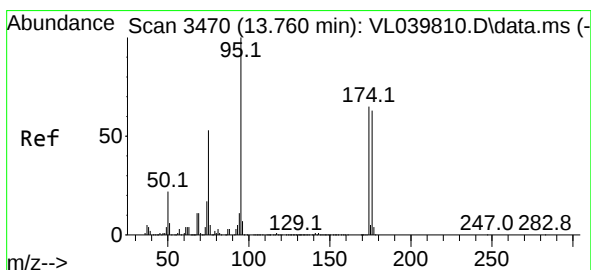
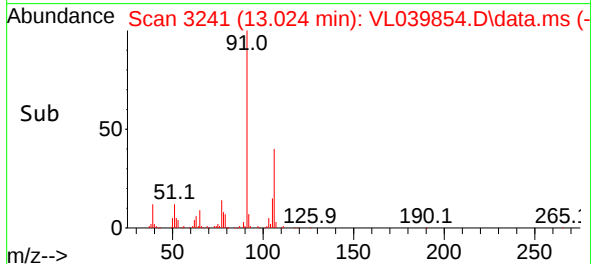
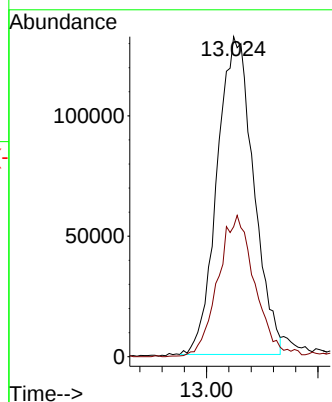
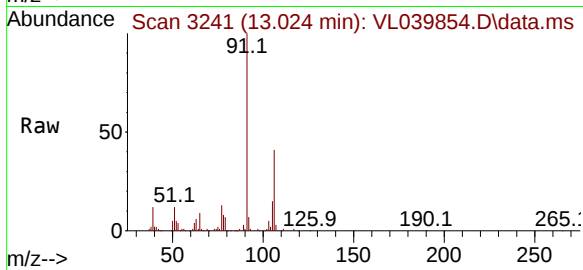
#60
o-Xylene
Concen: 1.355 ppbv
RT: 13.024 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDE

Tgt Ion: 91 Resp: 29995
Ion Ratio Lower Upper
91 100
106 45.6 23.6 70.8

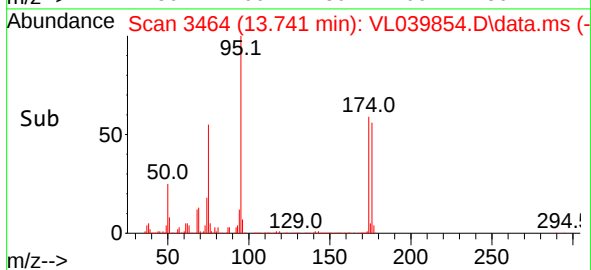
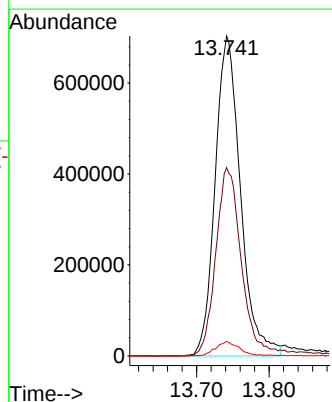
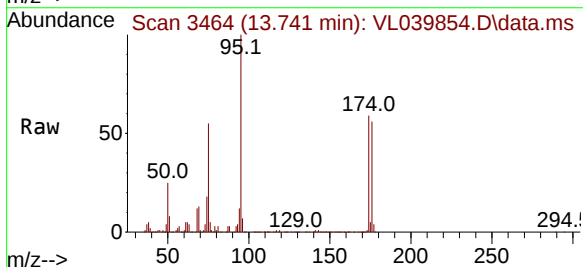
Manual Integrations
APPROVED

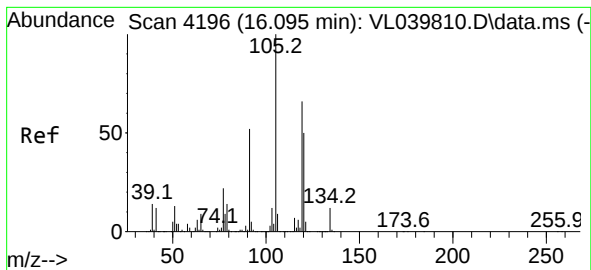
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 11.039 ppbv
RT: 13.741 min Scan# 3464
Delta R.T. -0.019 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

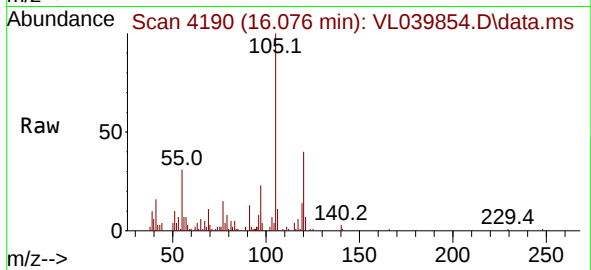
Tgt Ion: 95 Resp: 1709991
Ion Ratio Lower Upper
95 100
174 61.6 53.4 80.0
175 4.4 4.1 6.1





#74
1,2,4-Trimethylbenzene
Concen: 0.289 ppbv m
RT: 16.076 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL039854.D
Acq: 9 Nov 2022 18:53

Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDE



Tgt Ion:	105	Resp:	6793
Ion	Ratio	Lower	Upper
105	100		
120	39.5	40.2	60.4
91	12.8	42.6	64.0
77	15.3	17.8	26.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022

