

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040653.D
 Acq On : 5 Sep 2023 18:56
 Operator : SY/MD
 Sample : 04261-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023
 Supervised By :Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 02:07:13 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M

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

QLast Update : Wed Aug 16 05:43:50 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	820163	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2178610	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1743575	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1368443 9.869 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.722	85	77362	0.438	ppbv	95
3) Chlorodifluoromethane	2.671	51	62953	0.467	ppbv #	91
4) Chloromethane	2.812	50	32194	0.613	ppbv	93
9) Propene	2.690	41	36304m	0.870	ppbv	
11) Trichlorofluoromethane	3.558	101	34605	0.243	ppbv	92
13) Ethanol	3.243	45	222740	19.127	ppbv	93
15) Acetone	3.468	43	1005336	10.021	ppbv	96
19) Isopropyl Alcohol	3.581	45	219841	3.456	ppbv #	1
20) Methylene Chloride	3.931	84	502893	10.258	ppbv	96
26) Hexane	5.211	57	566318	6.213	ppbv #	40
29) Chloroform	5.272	83	61580m	0.427	ppbv	
34) 2-Butanone	4.790	43	44129m	0.402	ppbv	
35) Carbon Tetrachloride	6.488	117	11861m	0.087	ppbv	
36) Benzene	6.369	78	52100m	0.301	ppbv	
44) 2,2,4-Trimethylpentane	7.320	57	49956m	0.178	ppbv	
52) Tetrachloroethene	10.606	164	3301m	0.061	ppbv	
53) Toluene	9.224	91	120112	0.652	ppbv	100
58) Ethyl Benzene	12.092	91	16979m	0.081	ppbv	
59) m/p-Xylene	12.355	91	45884m	0.239	ppbv	
60) o-Xylene	13.066	91	17043m	0.094	ppbv	
76) 1,4-Dichlorobenzene	16.474	146	29684m	0.245	ppbv	

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

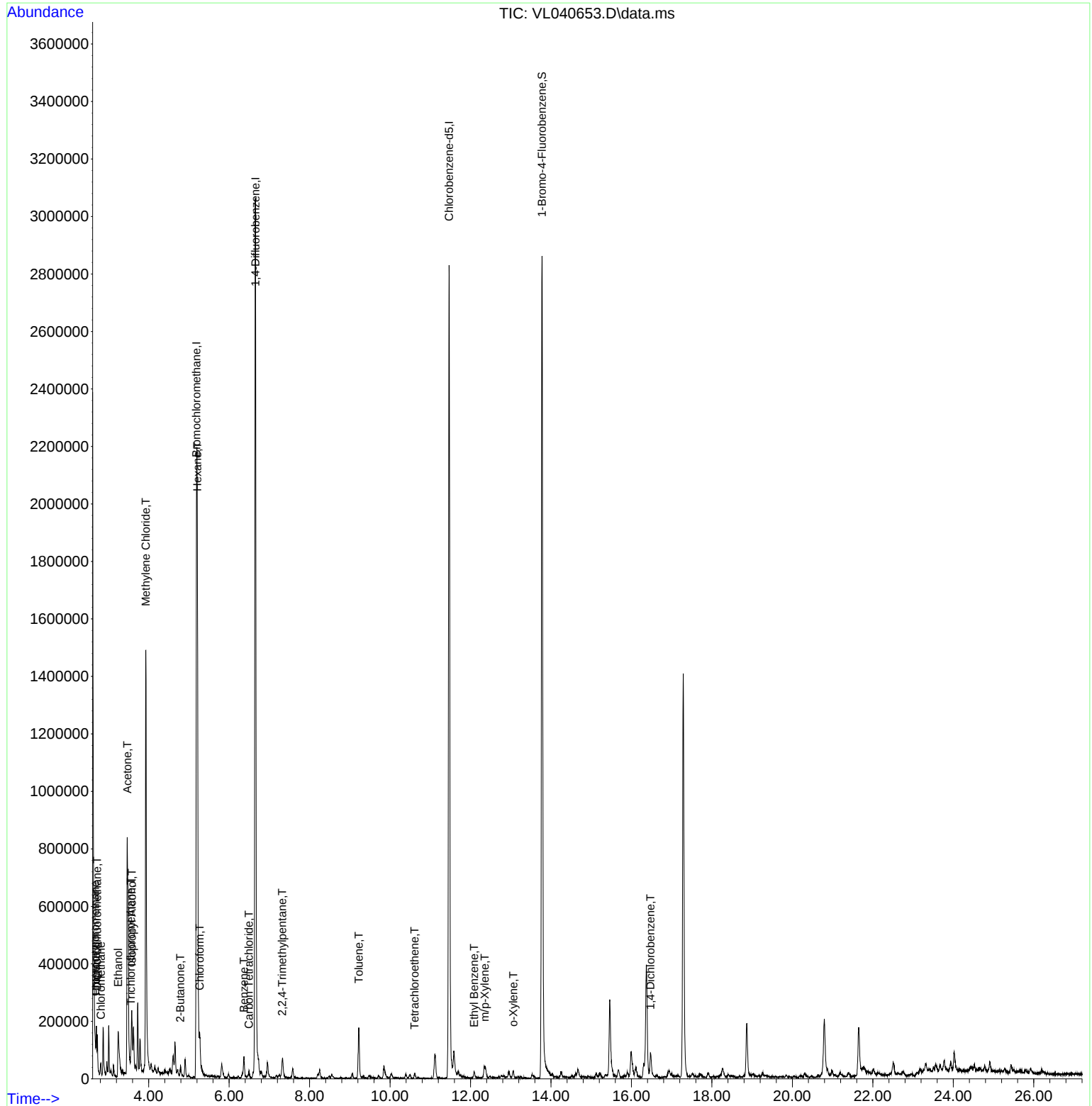
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
Data File : VL040653.D
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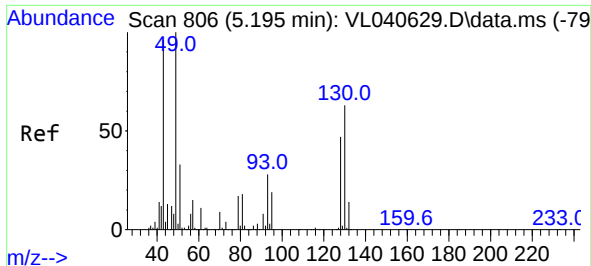
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Sep 06 02:07:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Aug 16 05:43:50 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

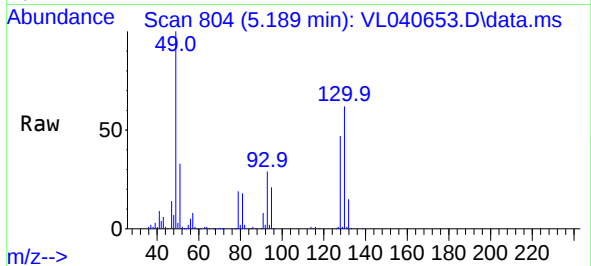
Reviewed By : Semsettin Yesilyurt 09/06/2023
Supervised By : Mahesh Dadoda 09/06/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.006 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56

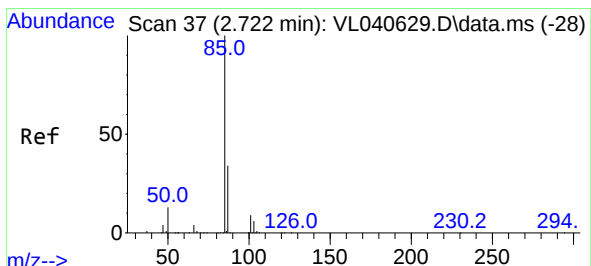
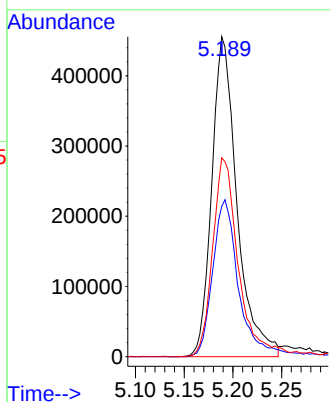
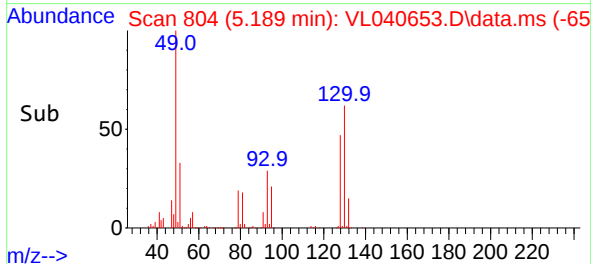
Instrument :
MSVOA_L
ClientSampleId :
IA1



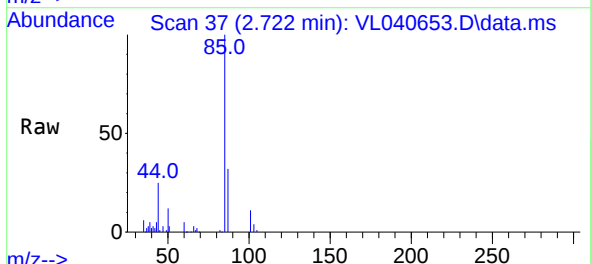
Tgt Ion: 49 Resp: 82016
Ion Ratio Lower Upper
49 100
128 51.4 24.9 74.7
130 65.8 32.2 96.6

Manual Integrations
APPROVED

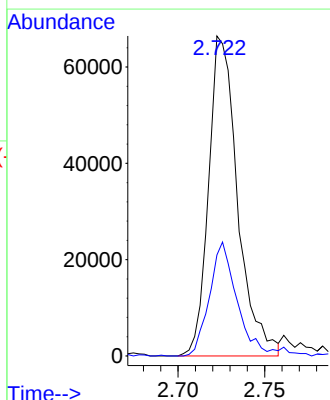
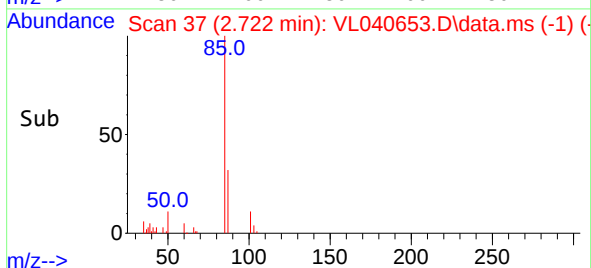
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

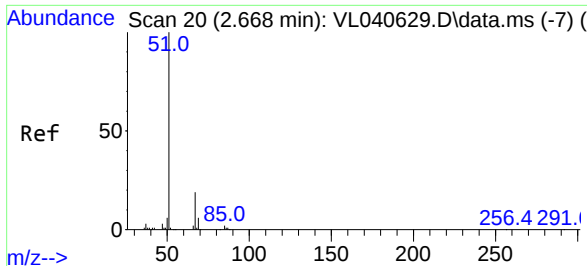


#2
Dichlorodifluoromethane
Concen: 0.438 ppbv
RT: 2.722 min Scan# 37
Delta R.T. -0.000 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56



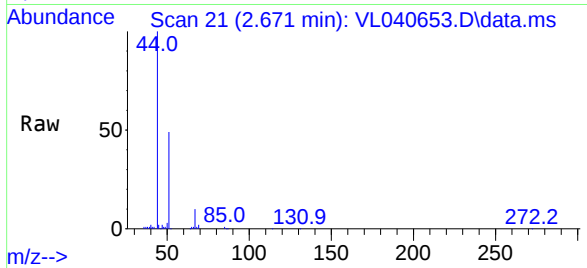
Tgt Ion: 85 Resp: 77362
Ion Ratio Lower Upper
85 100
87 31.6 27.5 41.3





#3
Chlorodifluoromethane
Concen: 0.467 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56

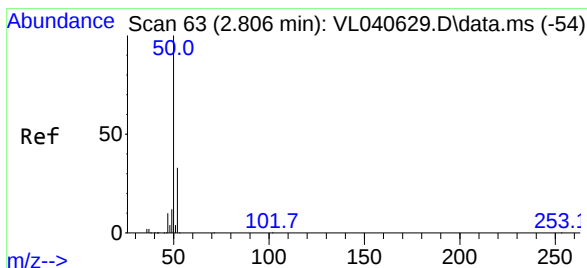
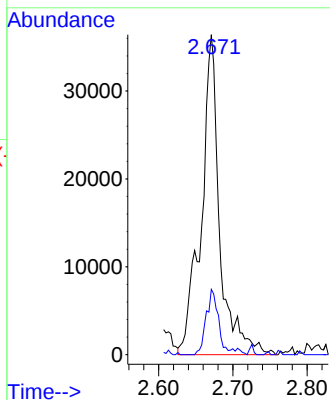
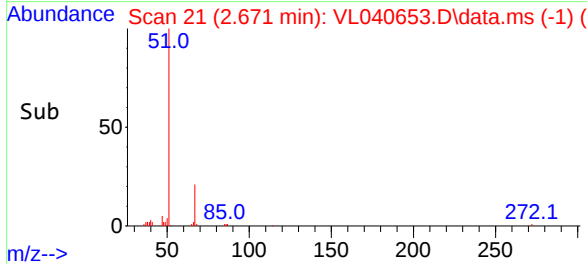
Instrument :
MSVOA_L
ClientSampleId :
IA1



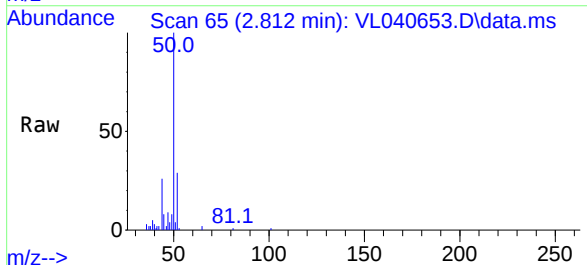
Tgt Ion: 51 Resp: 6295
Ion Ratio Lower Upper
51 100
67 14.9 15.0 22.6

Manual Integrations
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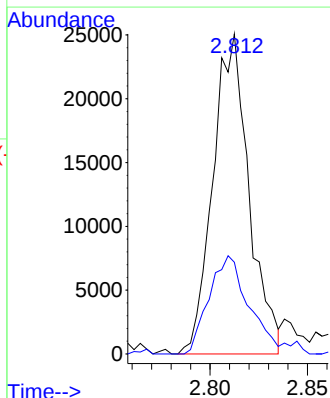
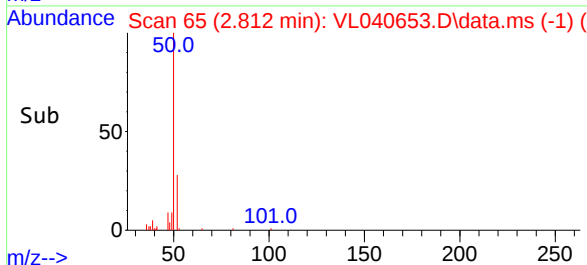
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



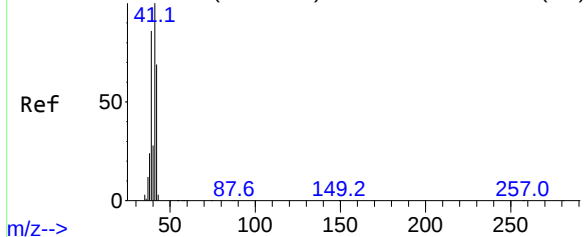
#4
Chloromethane
Concen: 0.613 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.006 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56



Tgt Ion: 50 Resp: 32194
Ion Ratio Lower Upper
50 100
52 28.6 26.2 39.2



Abundance Scan 26 (2.687 min): VL040629.D\data.ms (-17)



#9

Propene

Concen: 0.870 ppbv m

RT: 2.690 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040653.D

Acq: 5 Sep 2023 18:56

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 36304

Ion Ratio Lower Upper

41 100

42 63.2 56.5 84.7

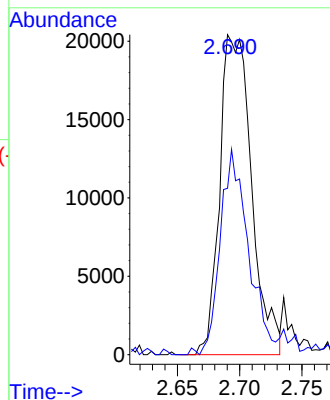
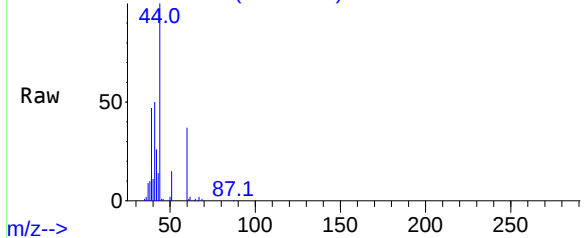
Manual Integrations

APPROVED

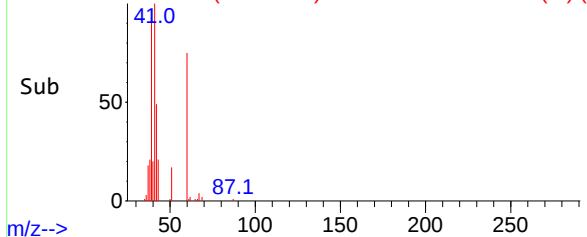
Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023

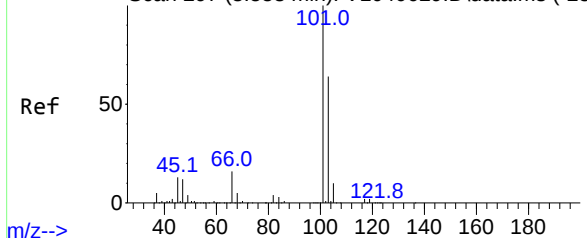
Abundance Scan 27 (2.690 min): VL040653.D\data.ms



Abundance Scan 27 (2.690 min): VL040653.D\data.ms (-1) (-14)



Abundance Scan 297 (3.558 min): VL040629.D\data.ms (-28)



#11

Trichlorofluoromethane

Concen: 0.243 ppbv

RT: 3.558 min Scan# 297

Delta R.T. -0.000 min

Lab File: VL040653.D

Acq: 5 Sep 2023 18:56

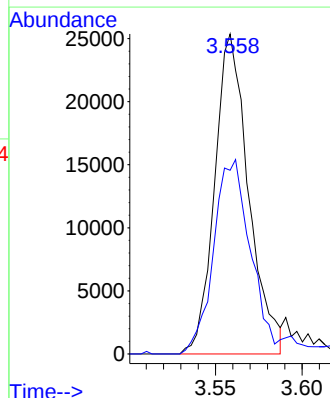
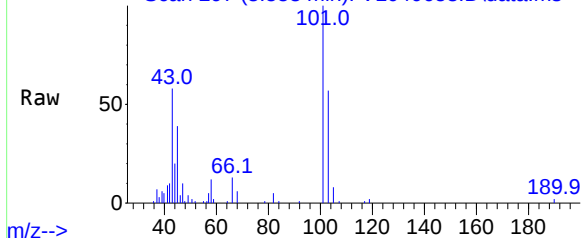
Tgt Ion:101 Resp: 34605

Ion Ratio Lower Upper

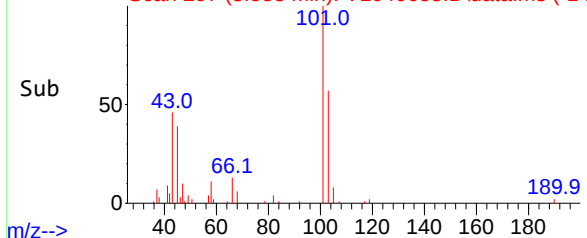
101 100

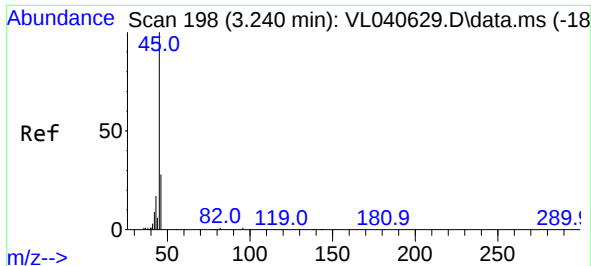
103 57.4 51.1 76.7

Abundance Scan 297 (3.558 min): VL040653.D\data.ms



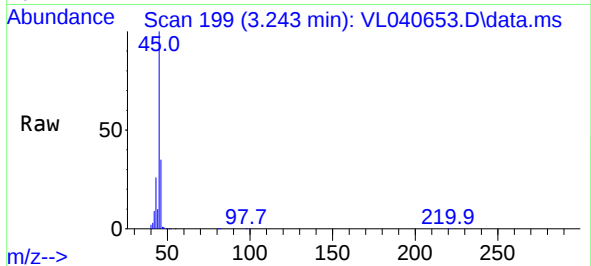
Abundance Scan 297 (3.558 min): VL040653.D\data.ms (-14)





#13
Ethanol
Concen: 19.127 ppbv
RT: 3.243 min Scan# 198
Delta R.T. 0.003 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56

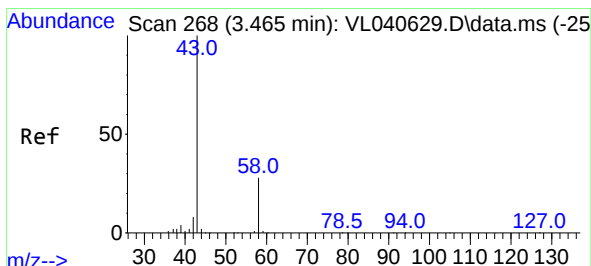
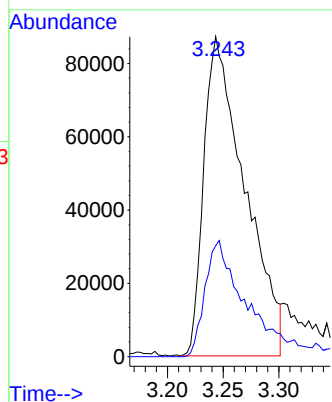
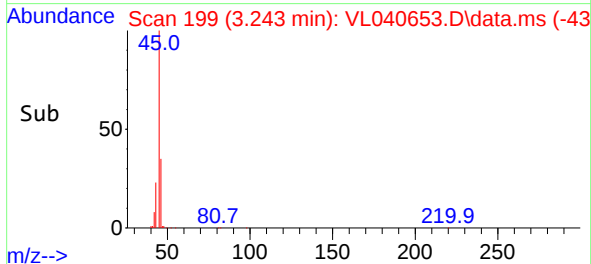
Instrument :
MSVOA_L
ClientSampleId :
IA1



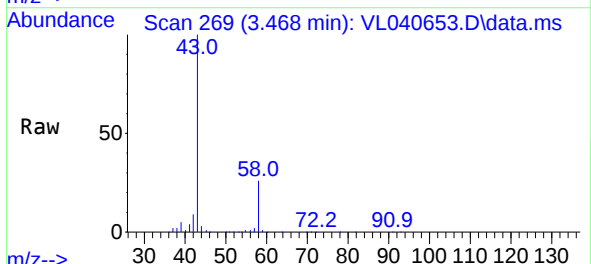
Tgt Ion: 45 Resp: 222740
Ion Ratio Lower Upper
45 100
46 39.7 14.2 56.6

Manual Integrations
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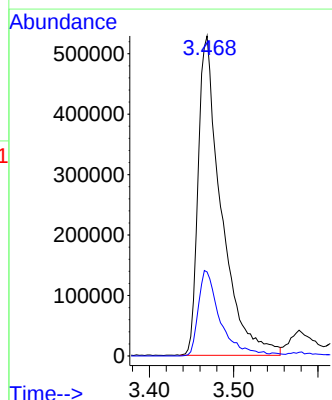
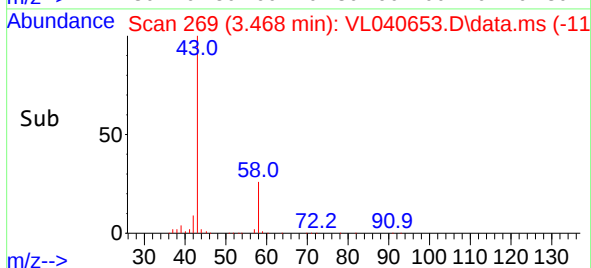
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

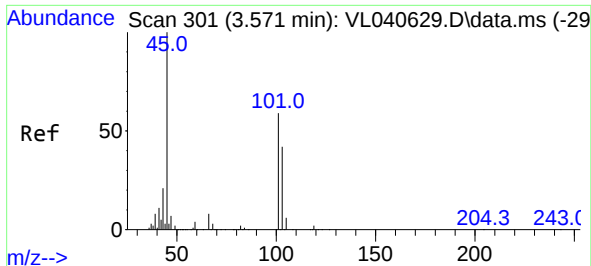


#15
Acetone
Concen: 10.021 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.003 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56



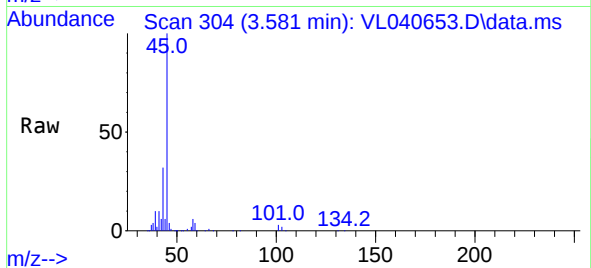
Tgt Ion: 43 Resp: 1005336
Ion Ratio Lower Upper
43 100
58 25.7 22.4 33.6





#19
Isopropyl Alcohol
Concen: 3.456 ppbv
RT: 3.581 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56

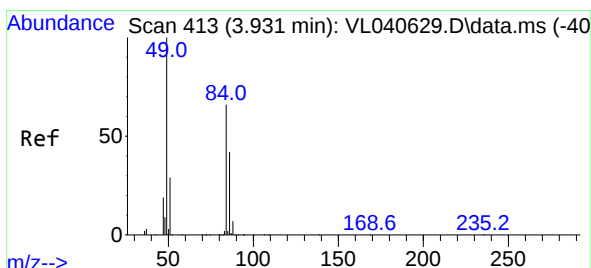
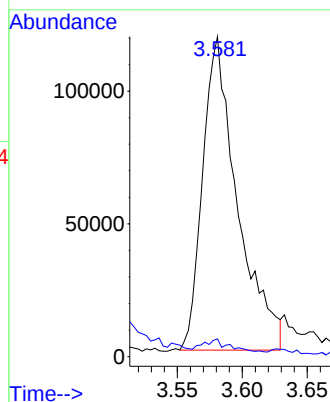
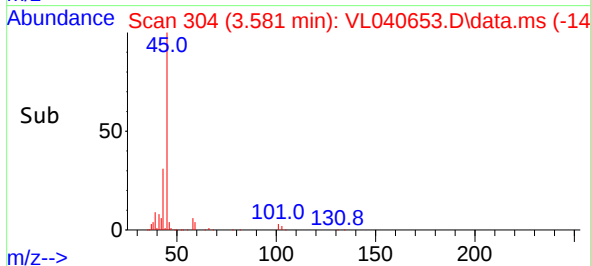
Instrument :
MSVOA_L
ClientSampleId :
IA1



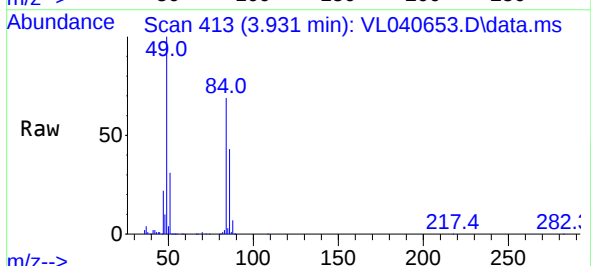
Tgt Ion: 45 Resp: 21984
Ion Ratio Lower Upper
45 100
58 117.5 1.9 2.9

Manual Integrations
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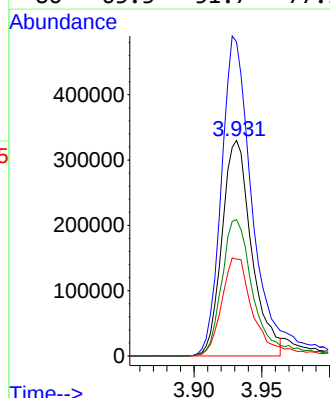
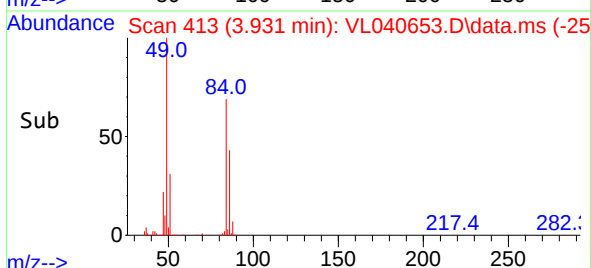
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

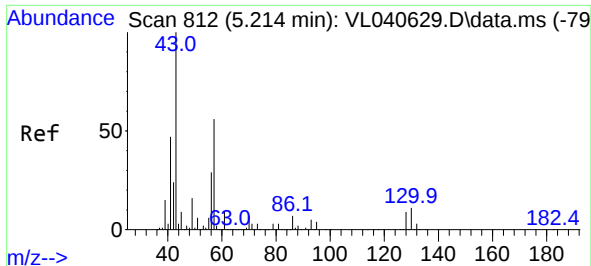


#20
Methylene Chloride
Concen: 10.258 ppbv
RT: 3.931 min Scan# 413
Delta R.T. -0.000 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56



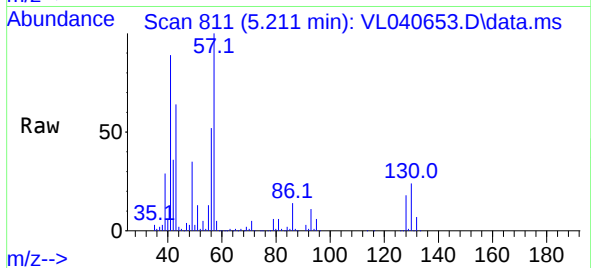
Tgt Ion: 84 Resp: 502893
Ion Ratio Lower Upper
84 100
49 145.8 122.1 183.1
51 44.9 35.4 53.2
86 63.3 51.7 77.5





#26
Hexane
Concen: 6.213 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56

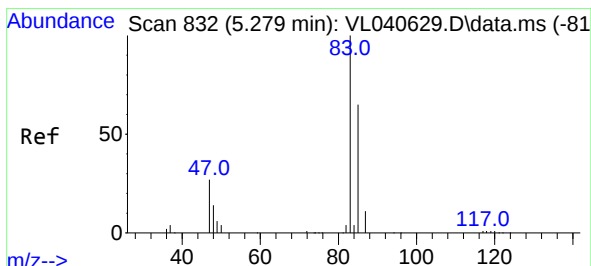
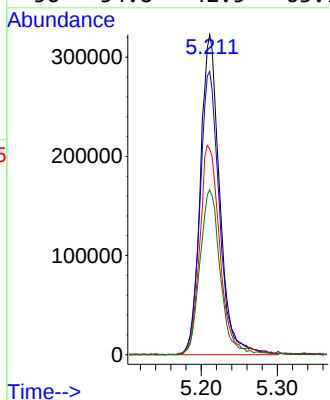
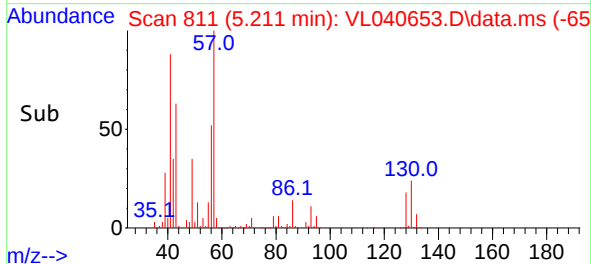
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 566318
Ion Ratio Lower Upper
57 100
41 91.1 69.3 103.9
43 69.0 177.9 266.9
56 54.8 42.5 63.7

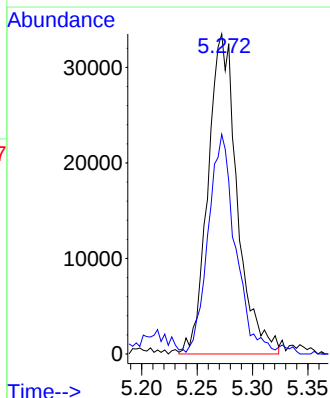
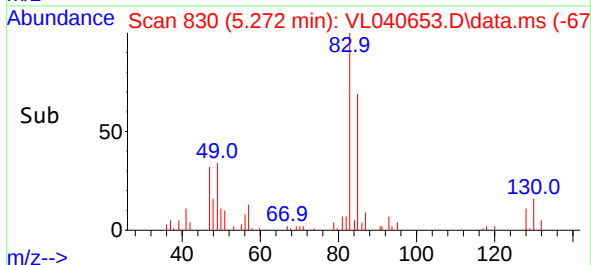
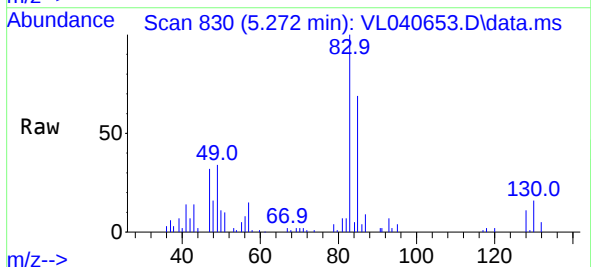
Manual Integrations
APPROVED

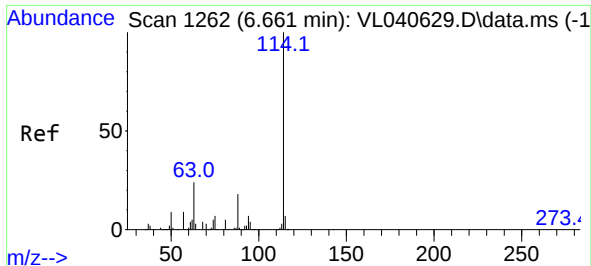
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#29
Chloroform
Concen: 0.427 ppbv m
RT: 5.272 min Scan# 830
Delta R.T. -0.006 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56

Tgt Ion: 83 Resp: 61580
Ion Ratio Lower Upper
83 100
85 68.6 52.2 78.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040653.D

Acq: 5 Sep 2023 18:56

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:114 Resp: 2178610

Ion Ratio Lower Upper

114 100

63 25.7 20.2 30.2

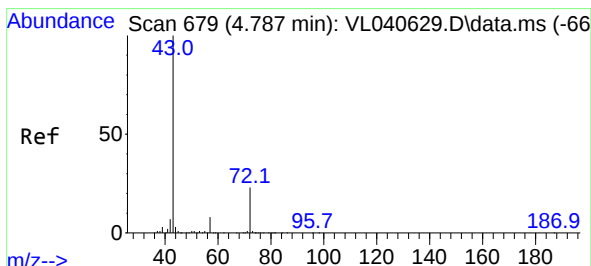
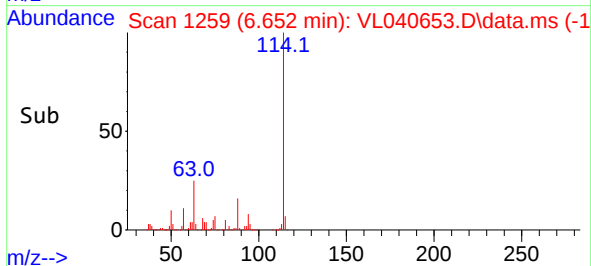
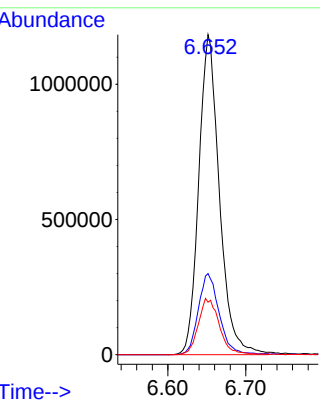
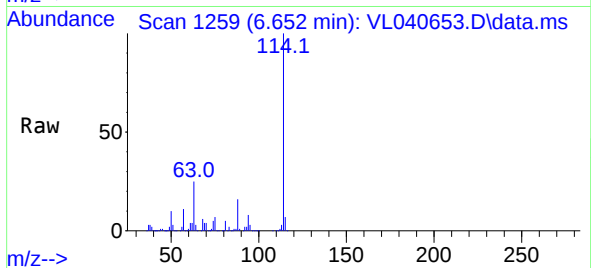
88 18.0 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023



#34

2-Butanone

Concen: 0.402 ppbv m

RT: 4.790 min Scan# 680

Delta R.T. 0.003 min

Lab File: VL040653.D

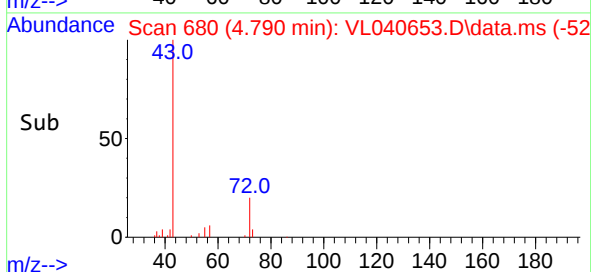
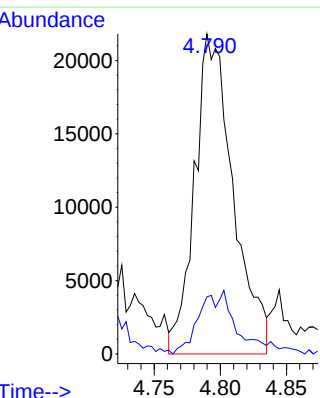
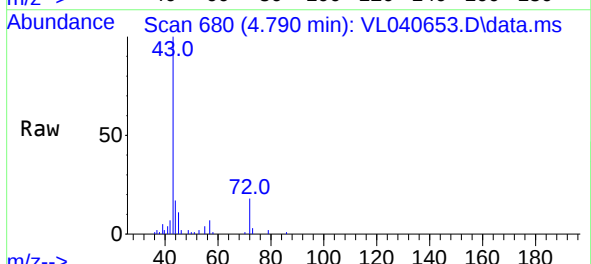
Acq: 5 Sep 2023 18:56

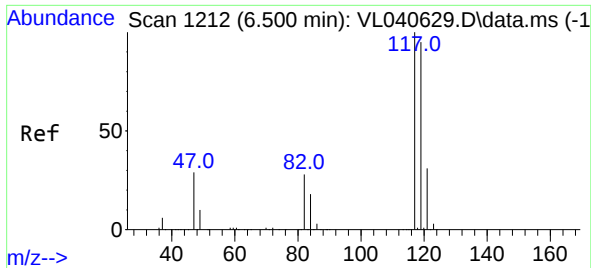
Tgt Ion: 43 Resp: 44129

Ion Ratio Lower Upper

43 100

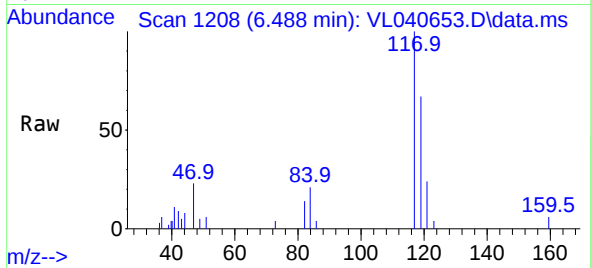
72 20.1 19.2 28.8





#35
Carbon Tetrachloride
Concen: 0.087 ppbv m
RT: 6.488 min Scan# 1186
Delta R.T. -0.013 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56

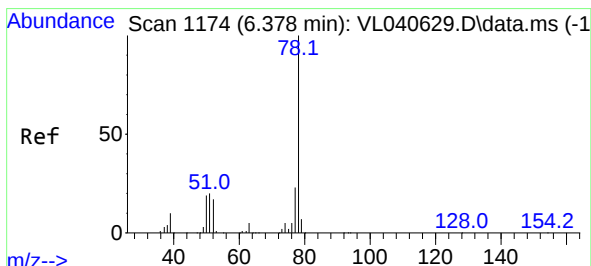
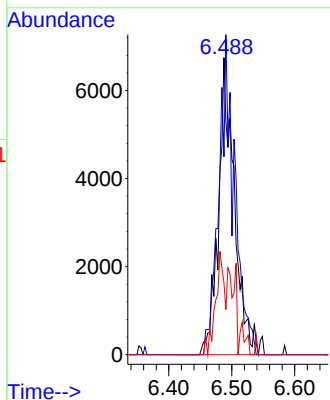
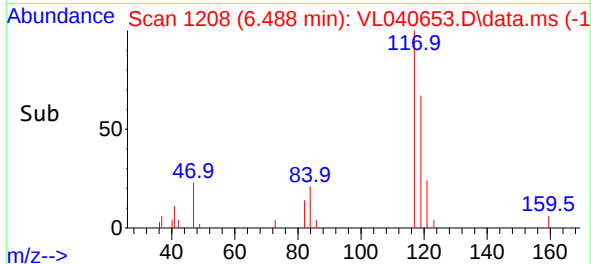
Instrument :
MSVOA_L
ClientSampleId :
IA1



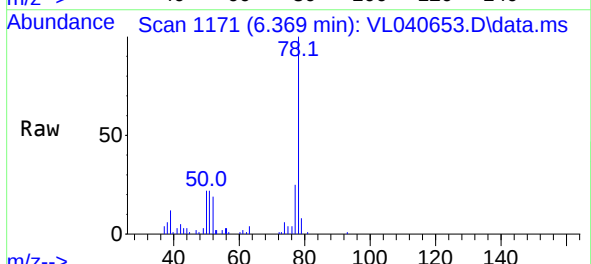
Tgt Ion:117 Resp: 1186
Ion Ratio Lower Upper
117 100
119 66.6 75.6 113.4
121 24.1 24.9 37.3

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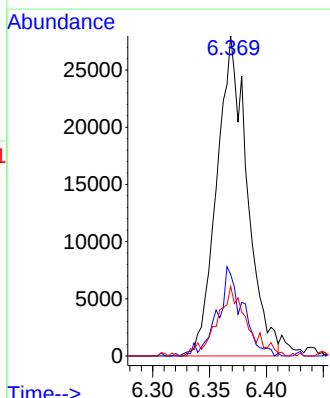
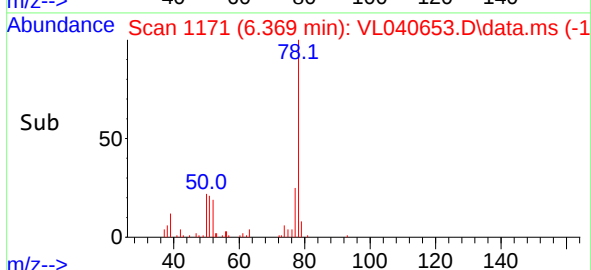
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

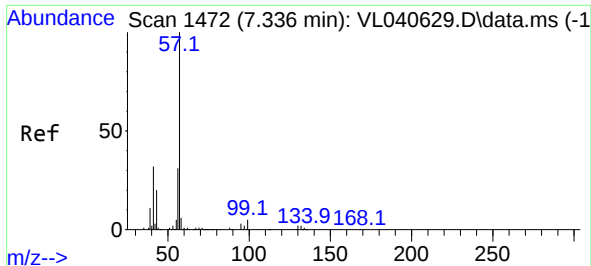


#36
Benzene
Concen: 0.301 ppbv m
RT: 6.369 min Scan# 1171
Delta R.T. -0.010 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56



Tgt Ion: 78 Resp: 52100
Ion Ratio Lower Upper
78 100
77 25.5 18.2 27.2
50 21.7 15.0 22.6





#44

2,2,4-Trimethylpentane

Concen: 0.178 ppbv m

RT: 7.320 min Scan# 1472

Delta R.T. -0.016 min

Lab File: VL040653.D

Acq: 5 Sep 2023 18:56

Instrument :

MSVOA_L

ClientSampleId :

IA1

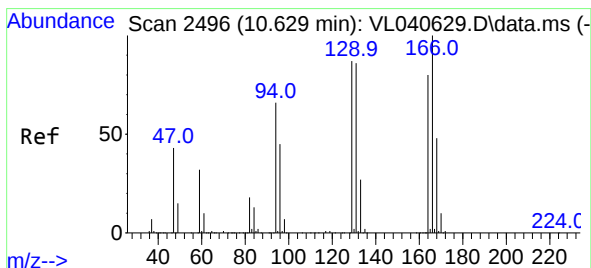
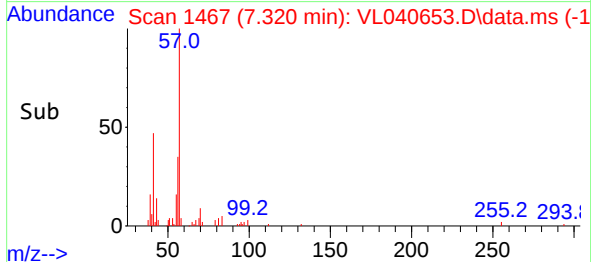
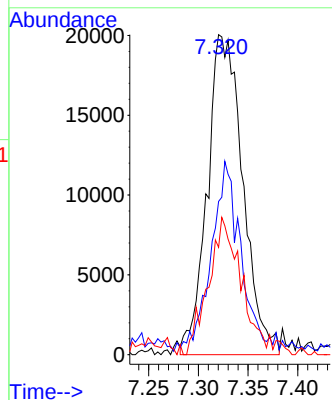
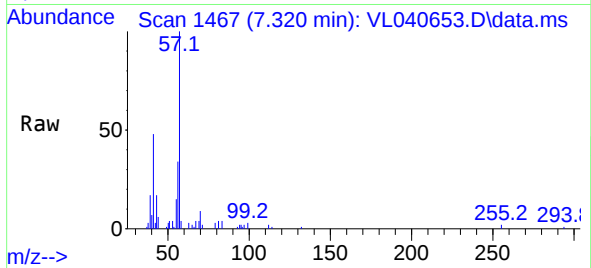
Tgt Ion:	57	Resp:	4995
Ion	Ratio	Lower	Upper
57	100		
41	52.1	26.2	39.4
56	41.1	24.7	37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023



#52

Tetrachloroethene

Concen: 0.061 ppbv m

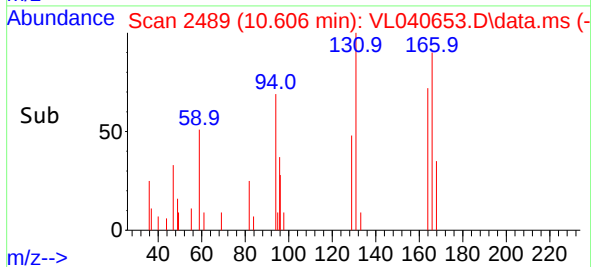
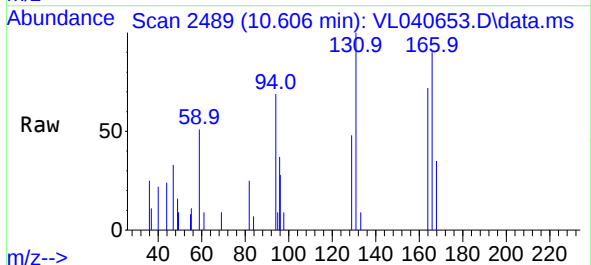
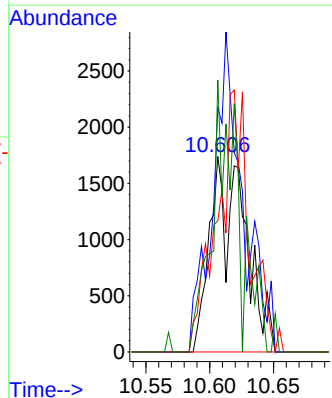
RT: 10.606 min Scan# 2489

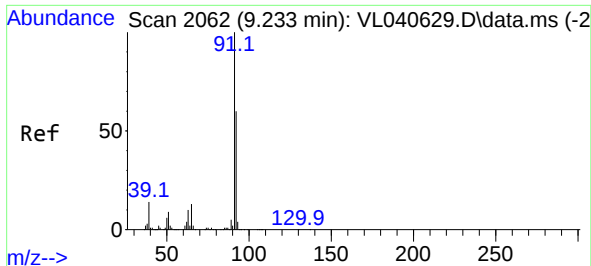
Delta R.T. -0.023 min

Lab File: VL040653.D

Acq: 5 Sep 2023 18:56

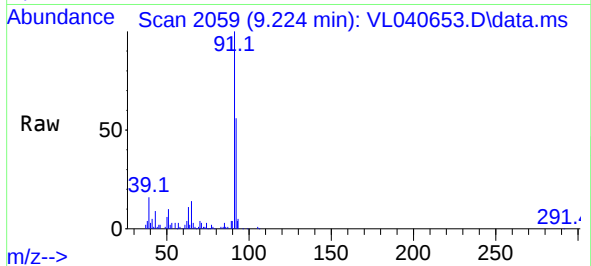
Tgt Ion:	164	Resp:	3301
Ion	Ratio	Lower	Upper
164	100		
166	125.0	99.5	149.3
129	67.2	86.9	130.3
131	139.0	85.6	128.4





#53
Toluene
Concen: 0.652 ppbv
RT: 9.224 min Scan# 2062
Delta R.T. -0.010 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56

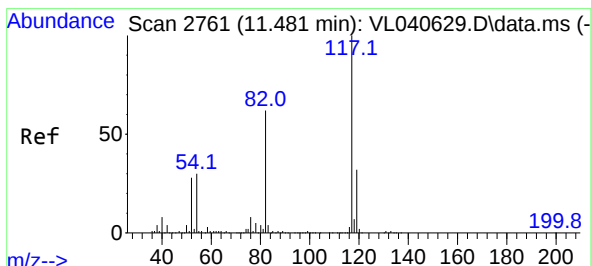
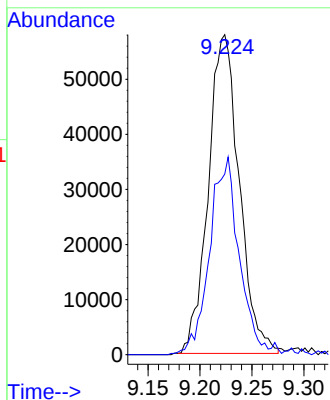
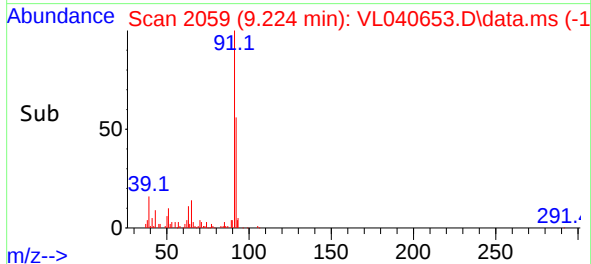
Instrument :
MSVOA_L
ClientSampleId :
IA1



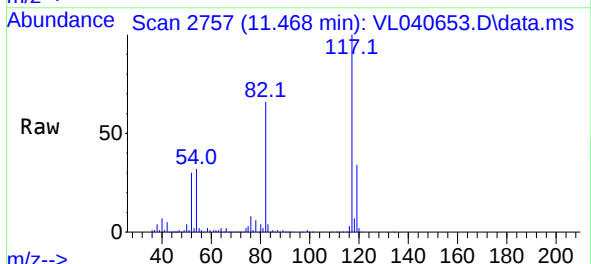
Tgt Ion: 91 Resp: 12011
Ion Ratio Lower Upper
91 100
92 60.1 48.0 72.0

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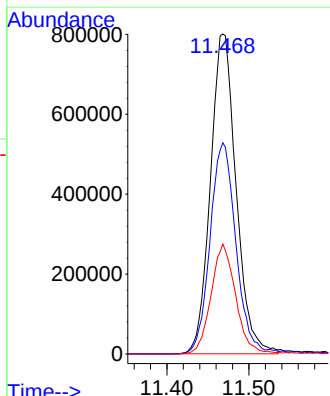
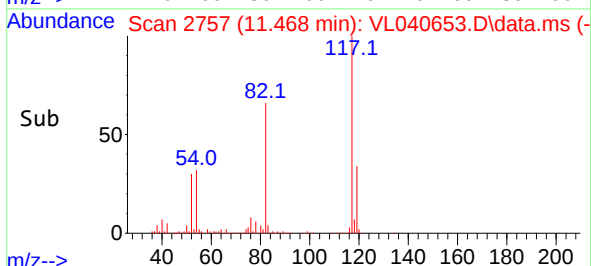
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

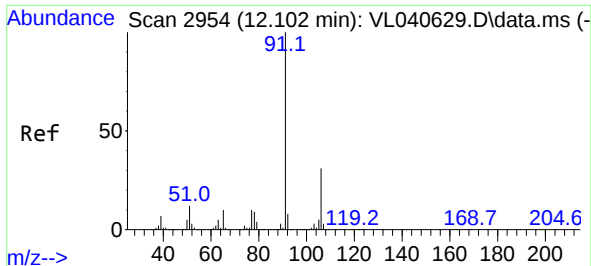


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. -0.013 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56



Tgt Ion:117 Resp: 1743575
Ion Ratio Lower Upper
117 100
82 67.6 49.5 74.3
119 33.2 24.5 36.7





#58

Ethyl Benzene

Concen: 0.081 ppbv m

RT: 12.092 min Scan# 2954

Delta R.T. -0.010 min

Lab File: VL040653.D

Acq: 5 Sep 2023 18:56

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 16979

Ion Ratio Lower Upper

91 100

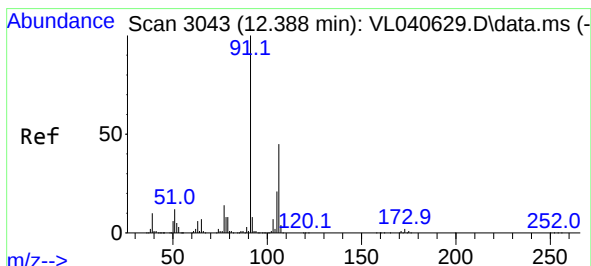
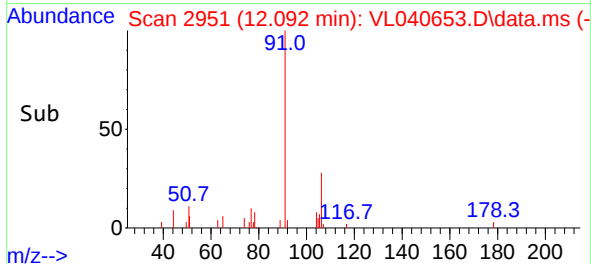
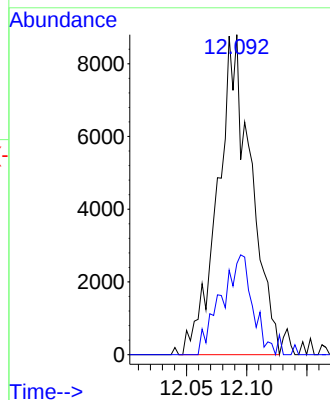
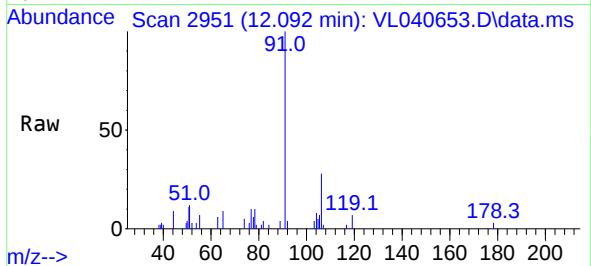
106 28.4 24.6 36.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023



#59

m/p-Xylene

Concen: 0.239 ppbv m

RT: 12.355 min Scan# 3033

Delta R.T. -0.032 min

Lab File: VL040653.D

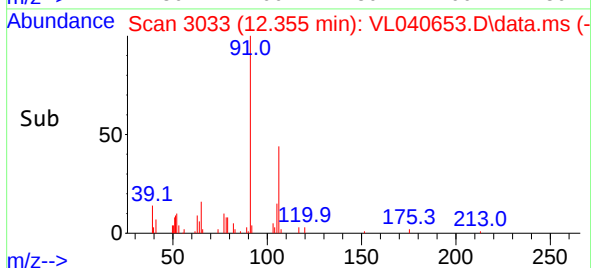
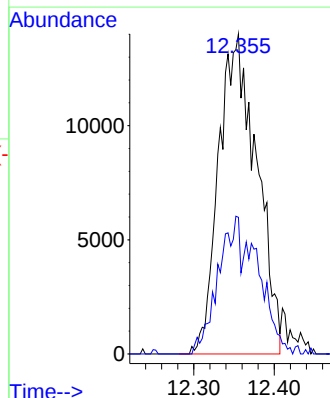
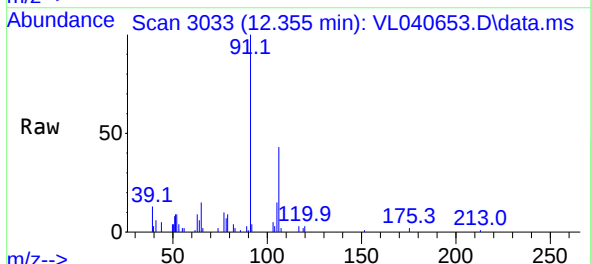
Acq: 5 Sep 2023 18:56

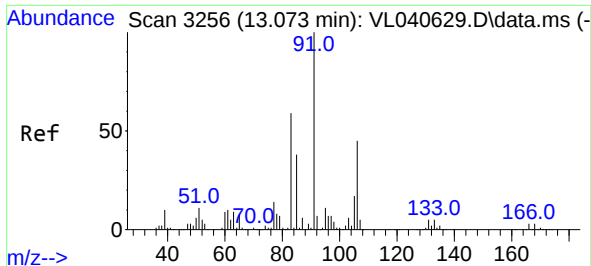
Tgt Ion: 91 Resp: 45884

Ion Ratio Lower Upper

91 100

106 0.0 35.3 52.9#





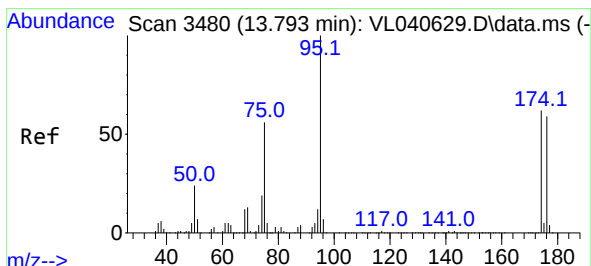
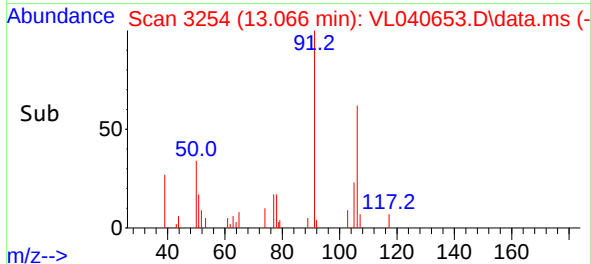
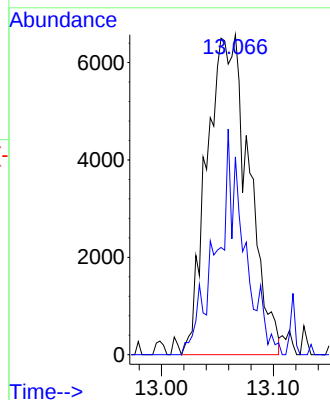
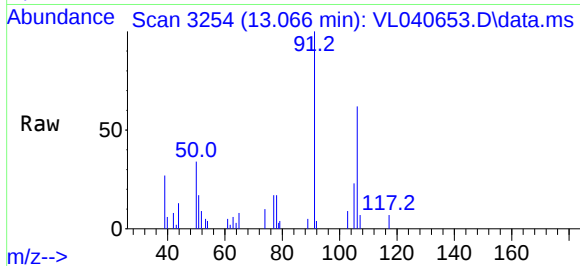
#60
o-Xylene
Concen: 0.094 ppbv m
RT: 13.066 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 1704
Ion Ratio Lower Upper
91 100
106 0.0 22.5 67.5

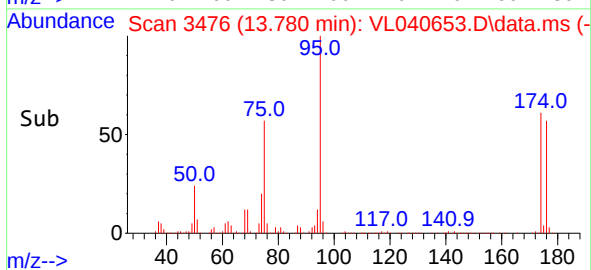
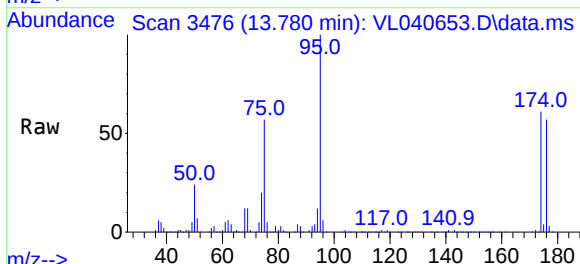
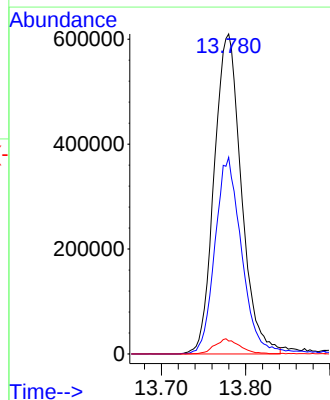
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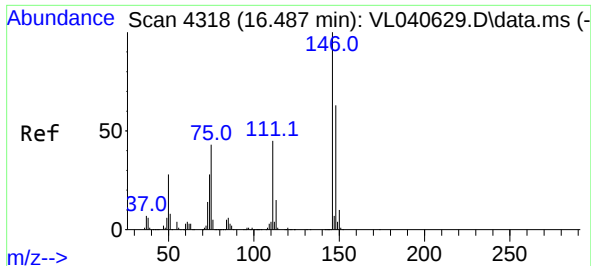
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.869 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.013 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56

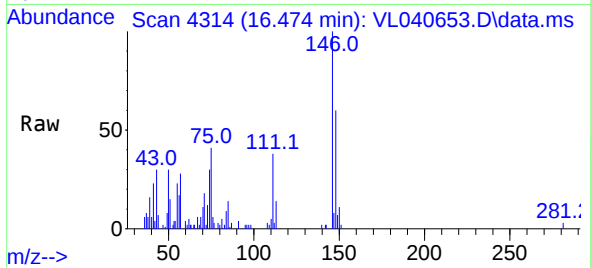
Tgt Ion: 95 Resp: 1368443
Ion Ratio Lower Upper
95 100
174 62.0 49.1 73.7
175 4.4 3.7 5.5





#76
1,4-Dichlorobenzene
Concen: 0.245 ppbv m
RT: 16.474 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL040653.D
Acq: 5 Sep 2023 18:56

Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:146 Resp: 29684
Ion Ratio Lower Upper
146 100
111 0.0 23.2 69.5
148 67.8 32.5 97.5

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

