

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038967.D
 Acq On : 5 May 2022 11:18
 Operator : SY/AP
 Sample : N2682-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/07/2022
 Supervised By : Mahesh Dadoda 05/09/2022

Quant Time: May 06 08:03:29 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu May 05 07:41:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1080793	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2573066	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2178233	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1769921	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	41601	0.246	ppbv	99
3) Chlorodifluoromethane	2.99	51	929641m	6.932	ppbv	
4) Chloromethane	3.14	50	33168m	0.494	ppbv	
9) Propene	3.02	41	52175	0.891	ppbv #	83
10) Heptane	8.10	43	24559	0.171	ppbv	93
11) Trichlorofluoromethane	3.95	101	32490	0.224	ppbv	93
13) Ethanol	3.60	45	622096	136.020	ppbv	96
15) Acetone	3.84	43	1231543	12.080	ppbv	99
17) tert-Butyl alcohol	4.29	59	74978m	0.957	ppbv	
19) Isopropyl Alcohol	3.95	45	3206644	66.152	ppbv	99
20) Methylene Chloride	4.34	84	237364	6.177	ppbv	97
26) Hexane	5.68	57	565902	5.219	ppbv #	43
34) 2-Butanone	5.24	43	122329m	0.932	ppbv	
35) Carbon Tetrachloride	7.01	117	11507m	0.068	ppbv	
36) Benzene	6.88	78	115577	0.525	ppbv #	92
41) Tetrahydrofuran	6.05	42	48974	0.555	ppbv	88
43) Methyl Methacrylate	8.00	69	499011	5.582	ppbv	95
53) Toluene	9.79	91	294262	1.192	ppbv	98
58) Ethyl Benzene	12.69	91	68291m	0.218	ppbv	
59) m/p-Xylene	12.95	91	193151m	0.722	ppbv	
60) o-Xylene	13.67	91	78476m	0.312	ppbv	
61) Styrene	13.50	104	13670m	0.102	ppbv	
72) 4-Ethyltoluene	15.82	105	20170	0.070	ppbv #	22
73) 1,3,5-Trimethylbenzene	15.97	105	50282m	0.195	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	185771m	0.657	ppbv	

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

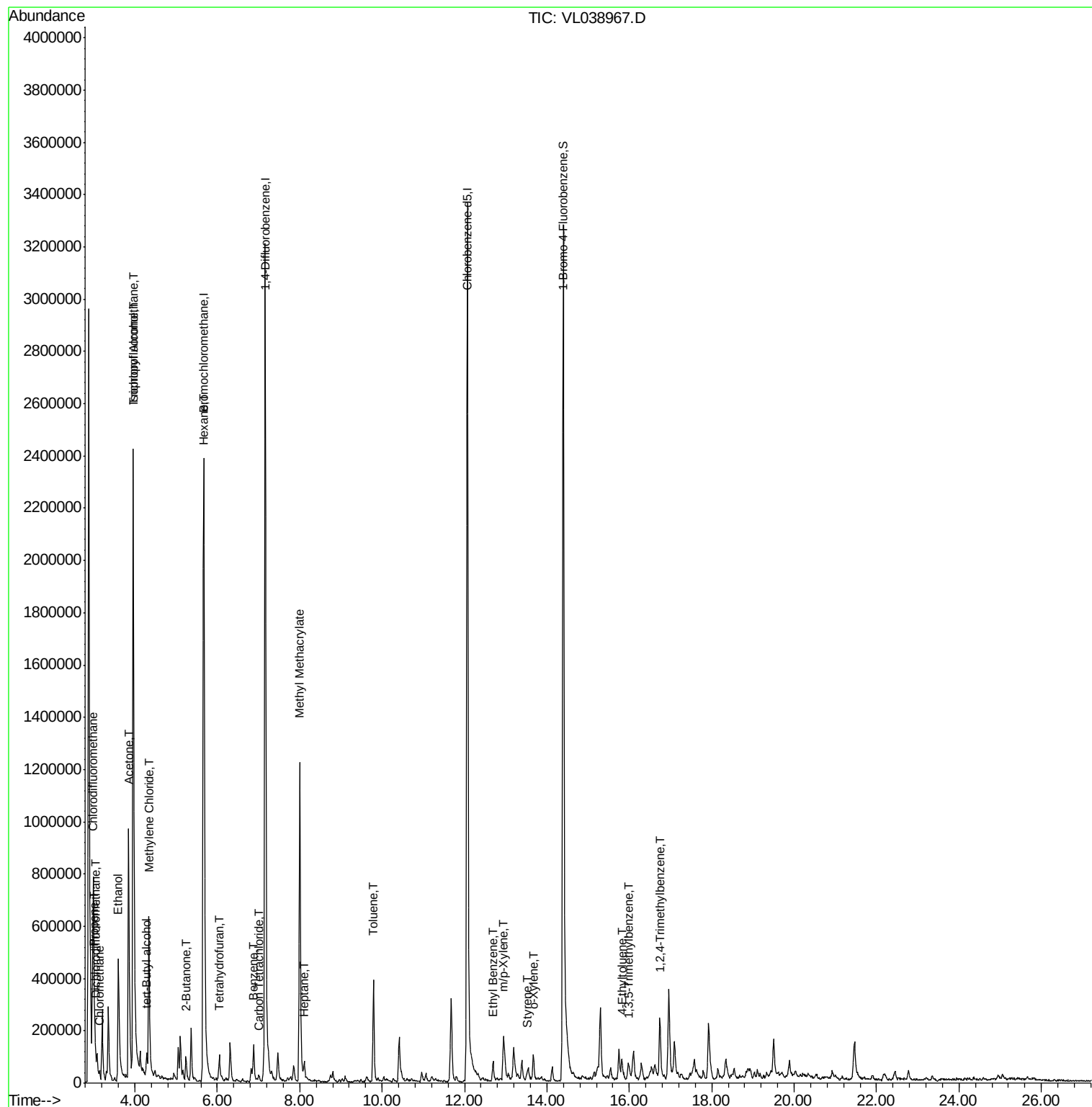
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Data File : VL038967.D
Acq On : 5 May 2022 11:18
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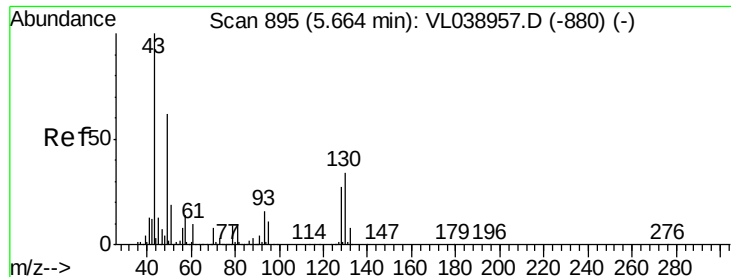
Instrument :
MSVOA_L
ClientSampleId :
1

Quant Time: May 06 08:03:29 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu May 05 07:41:27 2022
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Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. -0.00 min

Lab File: ClientSampleId :

Acq: 5 May 2022 11:18

Tot Ion:

Ion Ratio

49 100

128 46.

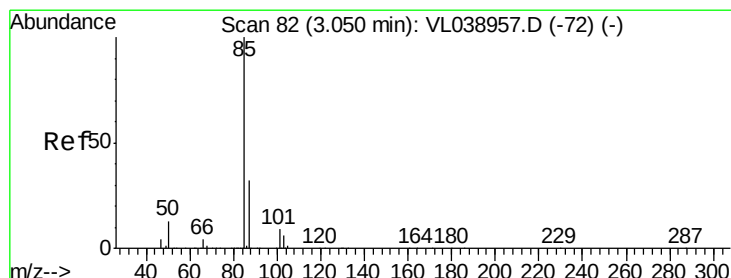
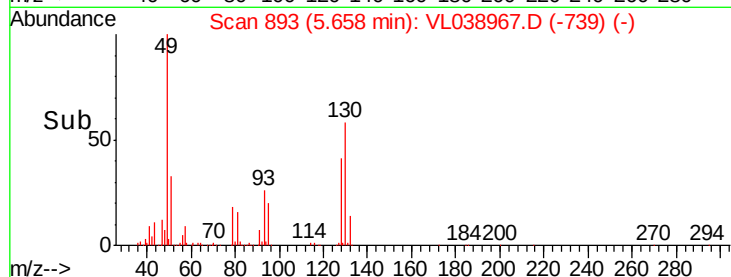
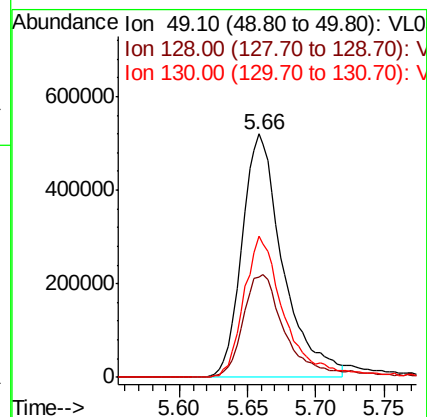
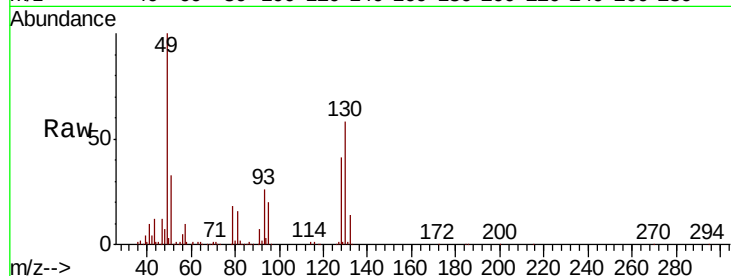
130 59.

Manual Integrations

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Supervised By :Mahesh Dadoda 05/09/2022



#2

Dichlorodifluoromethane

Concen: 0.246 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038967.D

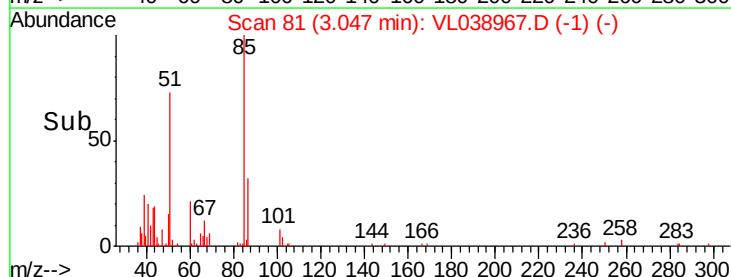
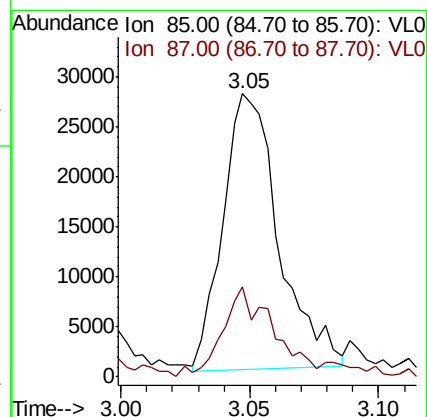
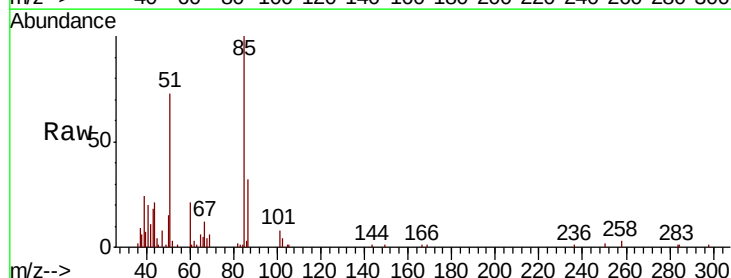
Acq: 5 May 2022 11:18

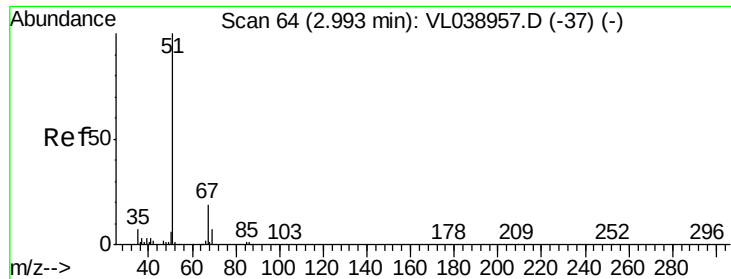
Tgt Ion: 85 Resp: 41601

Ion Ratio Lower Upper

85 100

87 31.3 25.7 38.5



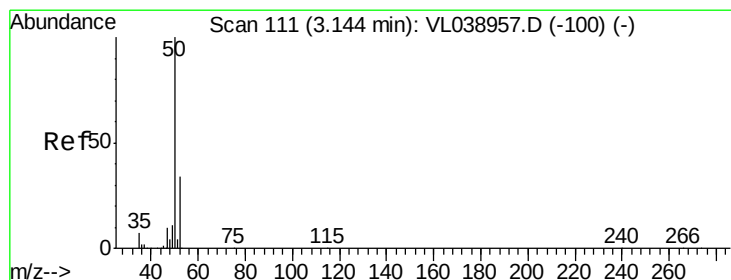
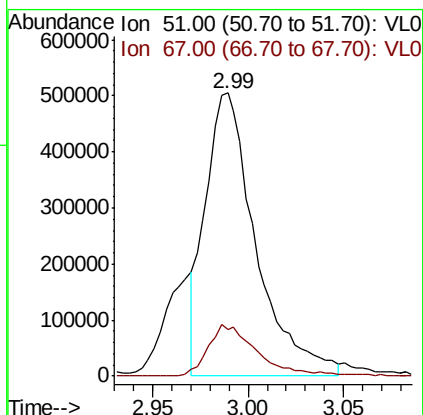
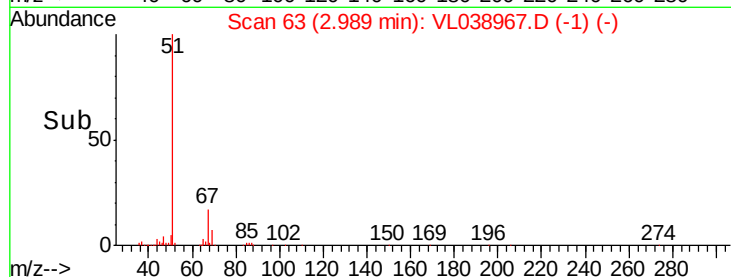
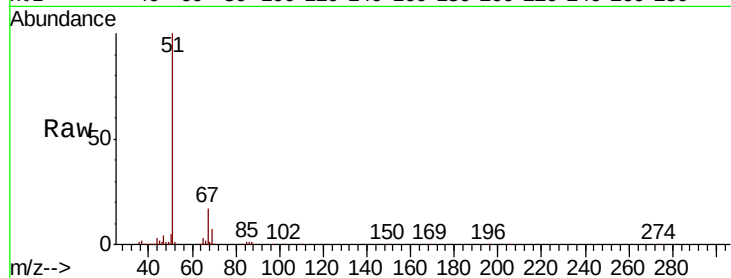


#3
Chlorodifluoromethane
Concen: 6.932 ppbv m
RT: 2.99 Instrument : MSVOA_1
Delta R.T. ClientSampleId :
Lab File: 1
Acq: 5 May 2022 11:18

Tot Ion:
Ion Ratio
51 100
67 18.

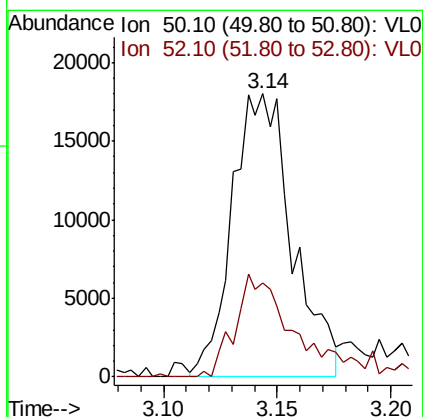
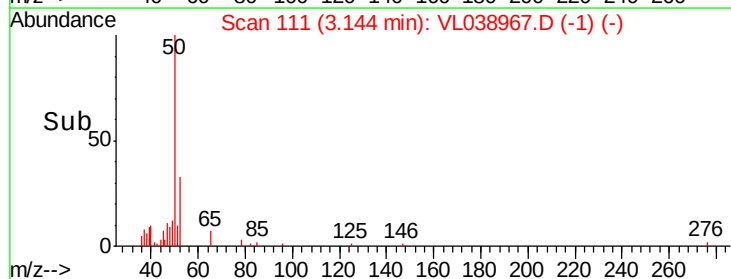
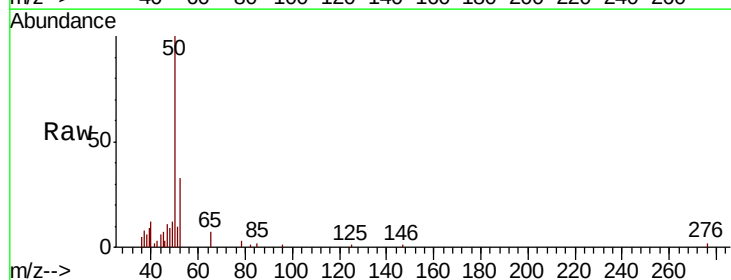
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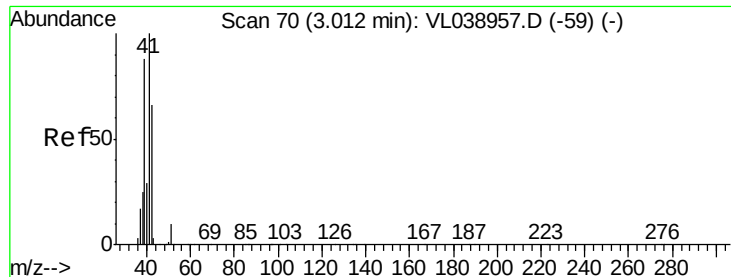
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#4
Chloromethane
Concen: 0.494 ppbv m
RT: 3.14 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL038967.D
Acq: 5 May 2022 11:18

Tgt Ion: 50 Resp: 33168
Ion Ratio Lower Upper
50 100
52 33.2 27.3 40.9



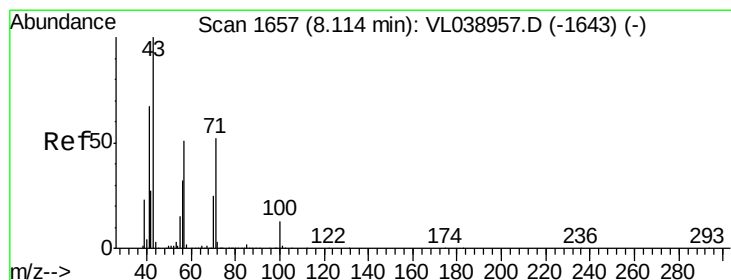
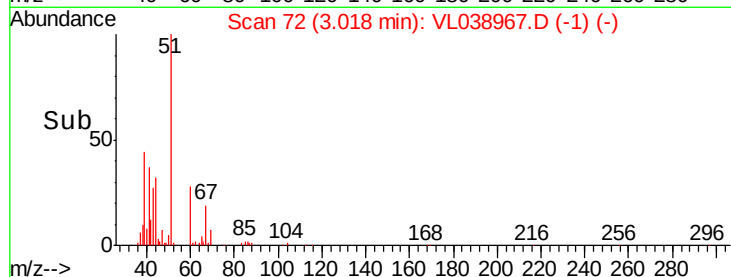
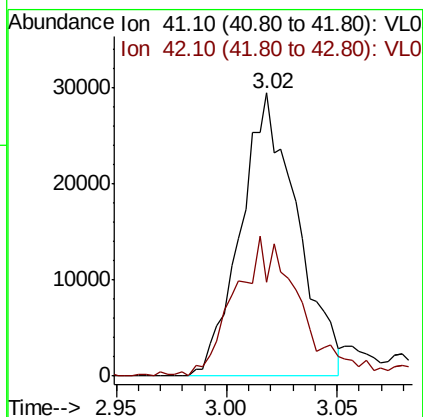
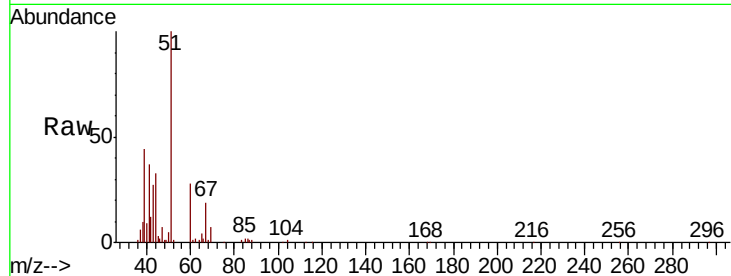


#9
 Propene
 Concen: 0.891 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 11:18

Tot Ion:
 Ion Ratio
 41 100
 42 58.

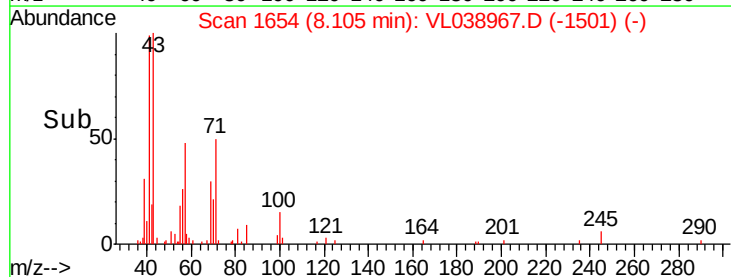
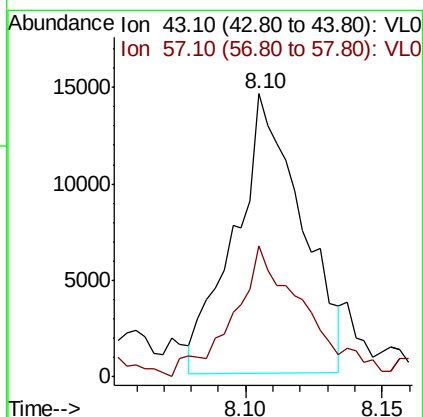
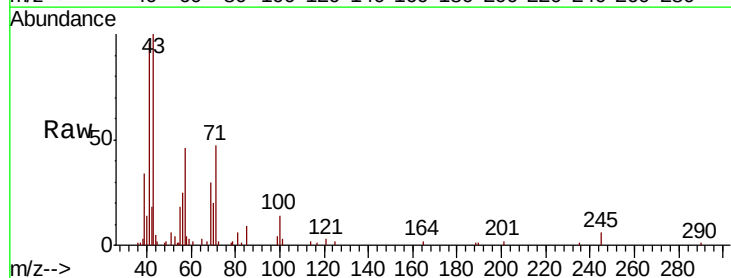
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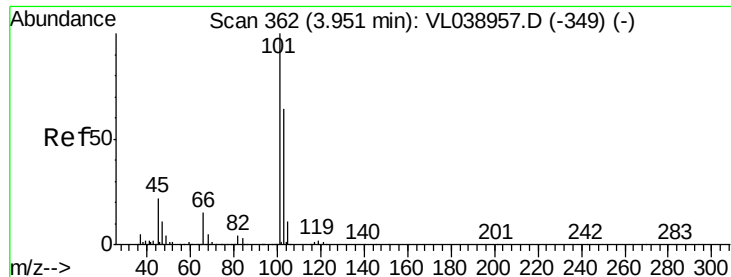
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 Supervised By :Mahesh Dadoda 05/09/2022



#10
 Heptane
 Concen: 0.171 ppbv
 RT: 8.10 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: VL038967.D
 Acq: 5 May 2022 11:18

Tgt Ion: 43 Resp: 24559
 Ion Ratio Lower Upper
 43 100
 57 55.3 40.5 60.7



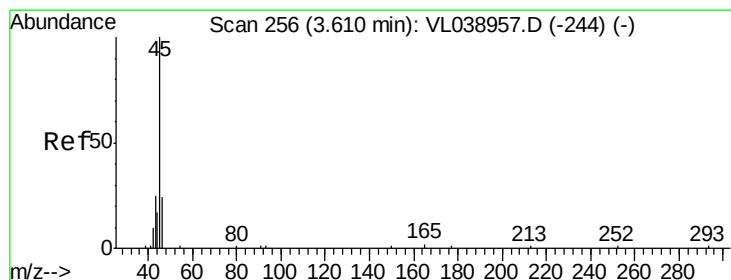
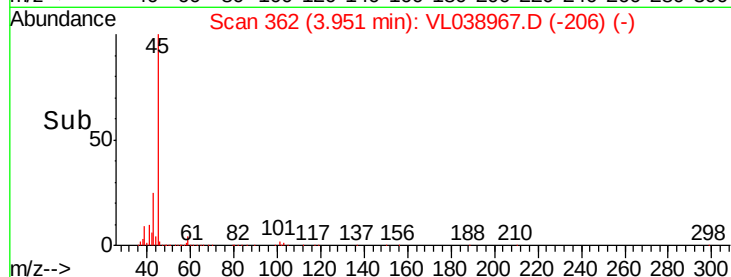
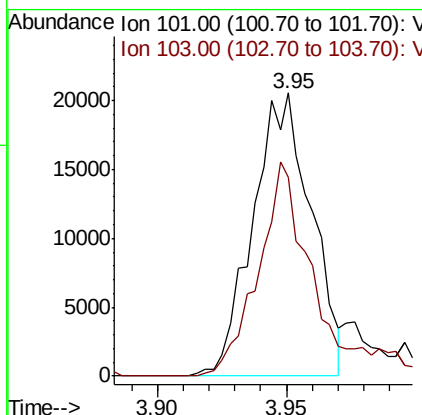
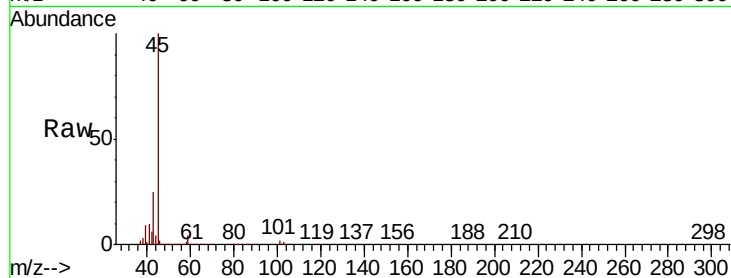


#11
 Trichlorofluoromethane
 Concen: 0.224 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 11:18

Tot Ion: 1
 Ion Ratio
 101 100
 103 70.

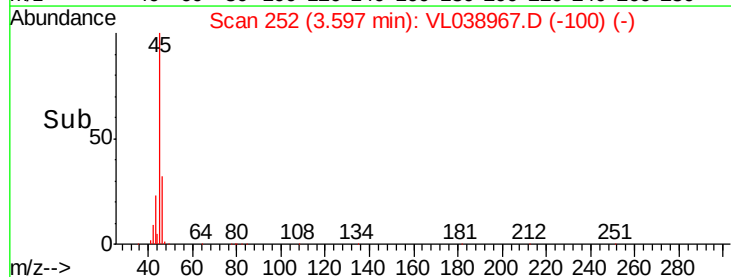
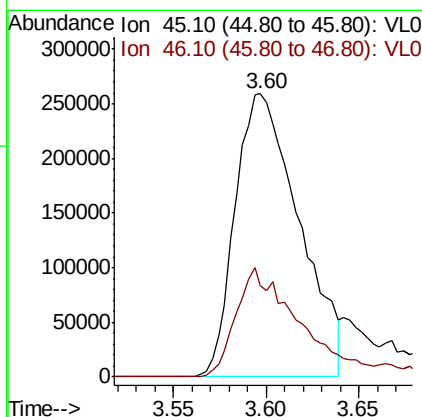
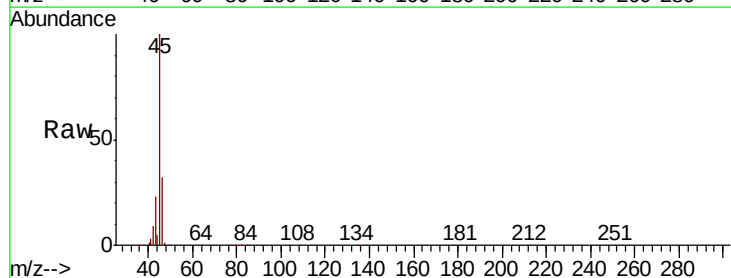
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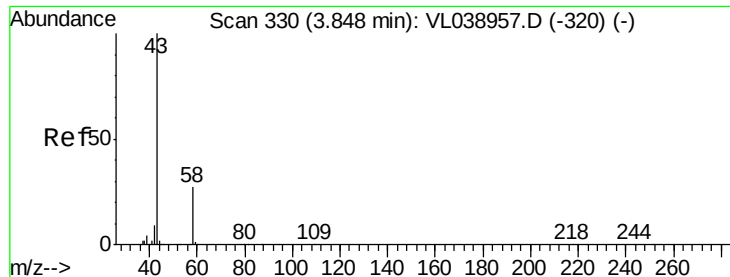
Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022



#13
 Ethanol
 Concen: 136.020 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VL038967.D
 Acq: 5 May 2022 11:18

Tgt Ion: 45 Resp: 622096
 Ion Ratio Lower Upper
 45 100
 46 42.6 18.0 72.2



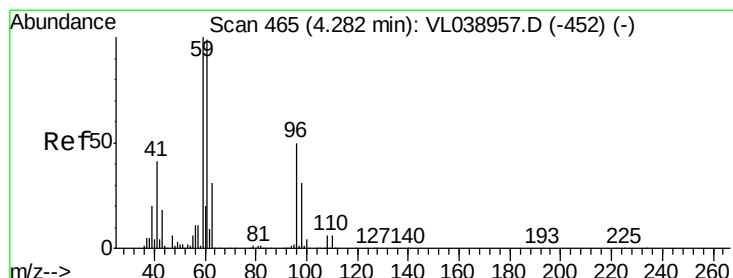
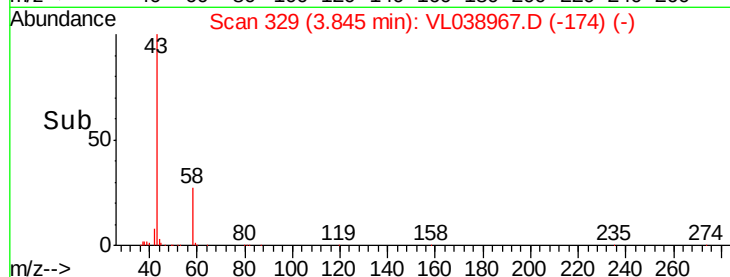
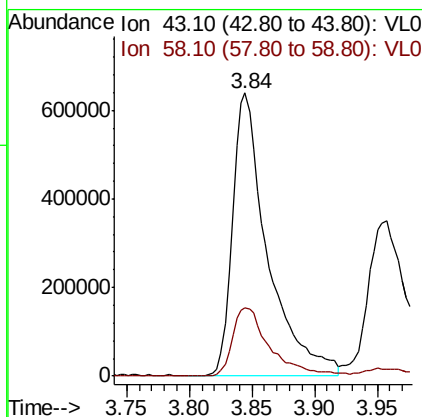
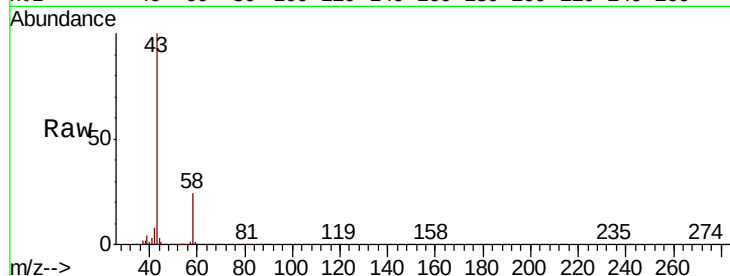


#15
Acetone
Concen: 12.080 ppbv
RT: 3.84
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 11:18

Tot Ion:
Ion Ratio
43 100
58 26.

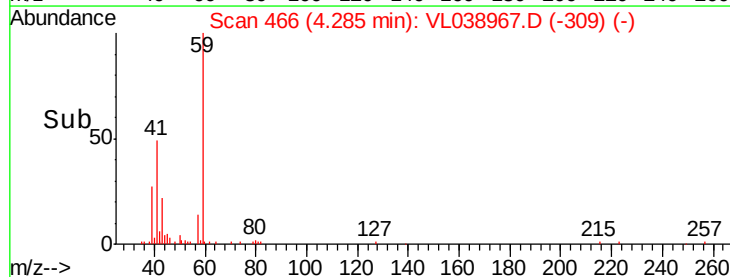
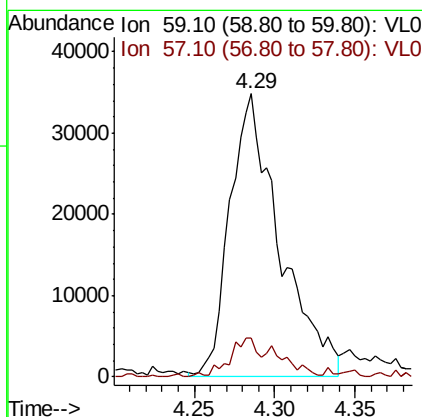
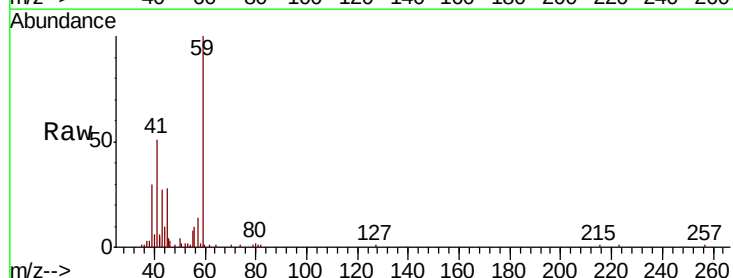
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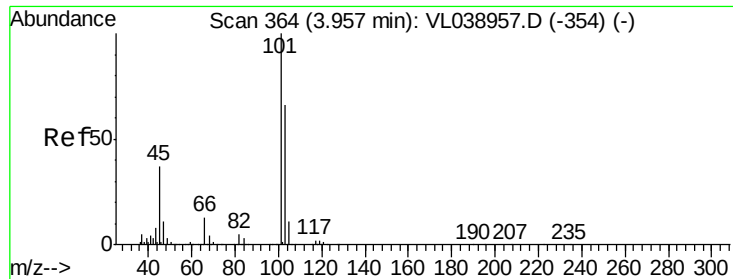
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#17
tert-Butyl alcohol
Concen: 0.957 ppbv m
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL038967.D
Acq: 5 May 2022 11:18

Tgt Ion: 59 Resp: 74978
Ion Ratio Lower Upper
59 100
57 16.3 9.2 13.8#



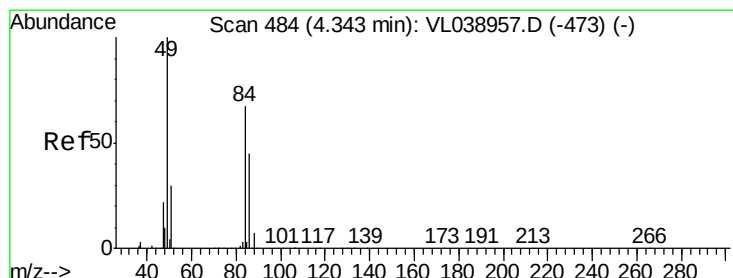
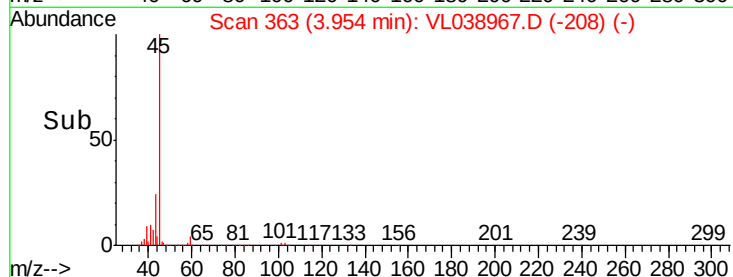
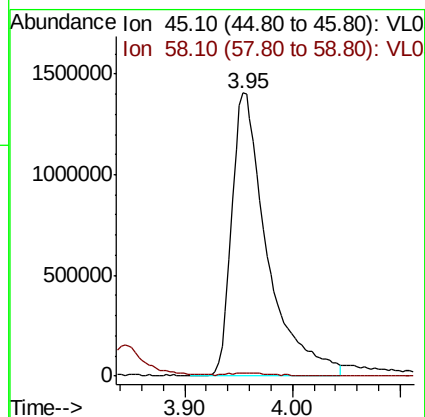
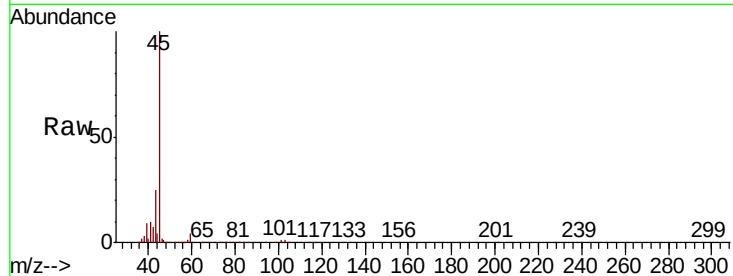


#19
Isopropyl Alcohol
Concen: 66.152 ppbv
RT: 3.95
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 5 May 2022 11:18

Tot Ion:
Ion Ratio
45 100
58 1.

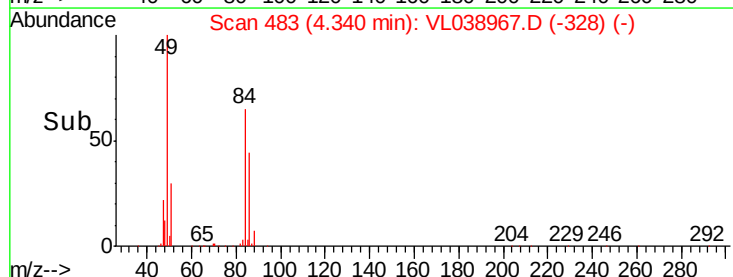
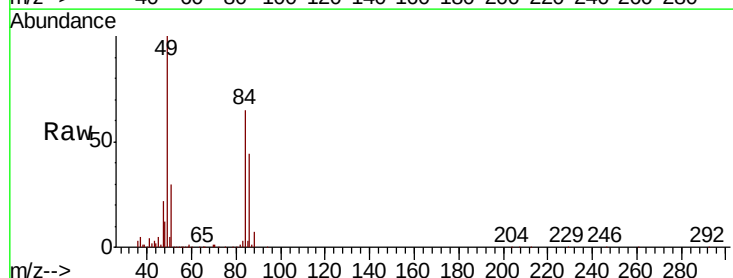
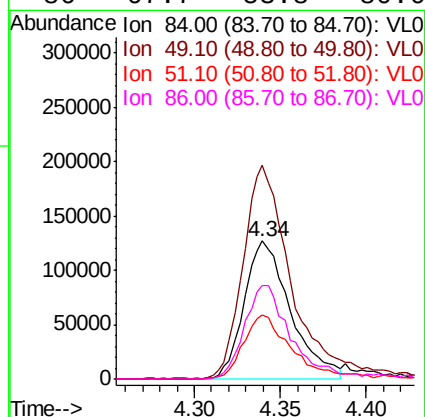
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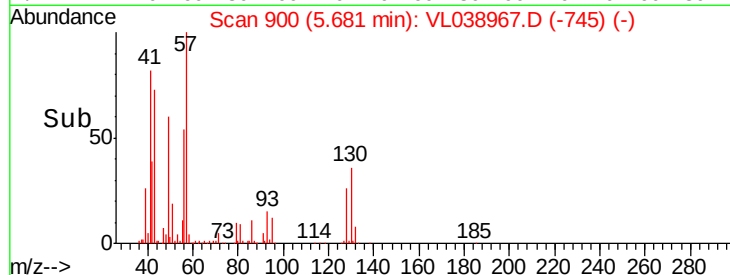
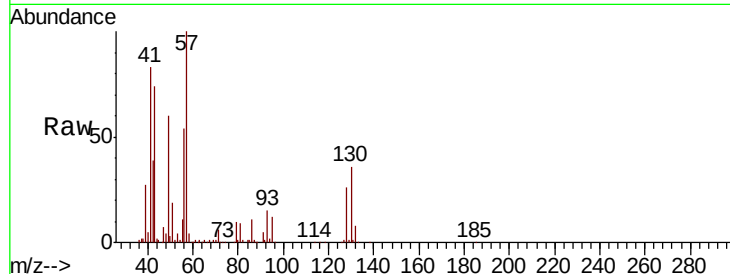
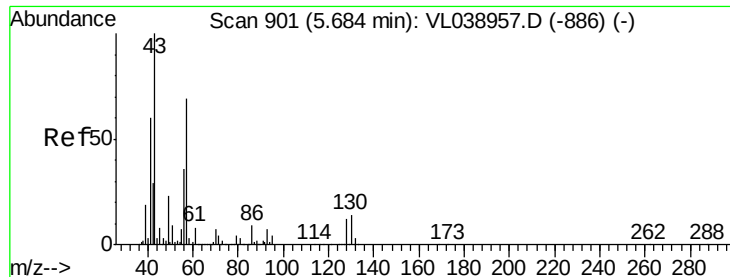
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#20
Methylene Chloride
Concen: 6.177 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL038967.D
Acq: 5 May 2022 11:18

Tgt Ion: 84 Resp: 237364
Ion Ratio Lower Upper
84 100
49 154.8 119.9 179.9
51 46.2 35.7 53.5
86 67.7 53.8 80.6



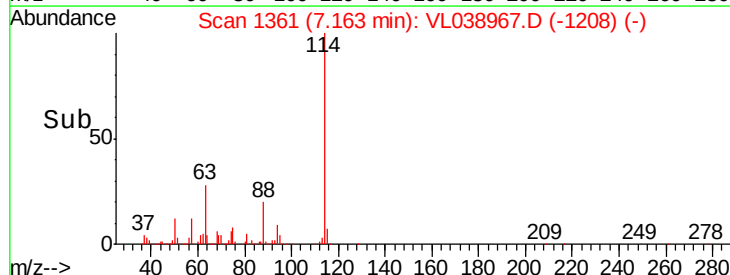
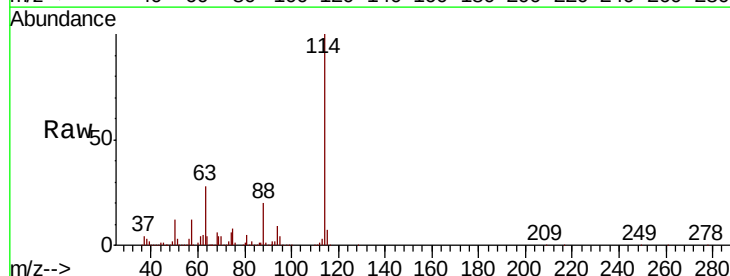
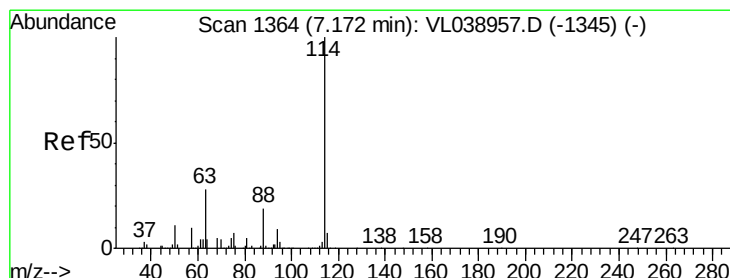
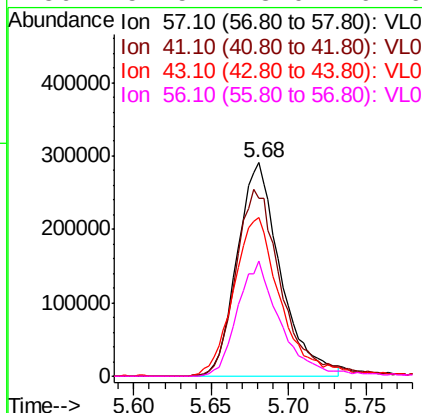


#26
Hexane
Concen: 5.219 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 11:18

Tot Ion:
Ion Ratio
57 100
41 93.
43 81.
56 54.5 43.0 64.6

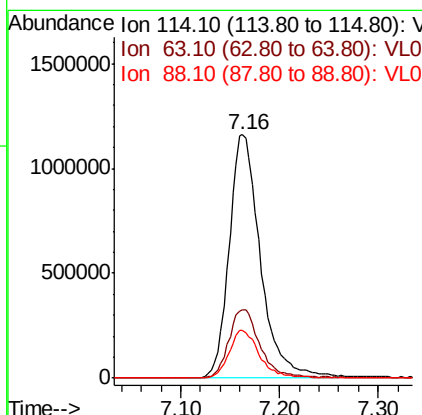
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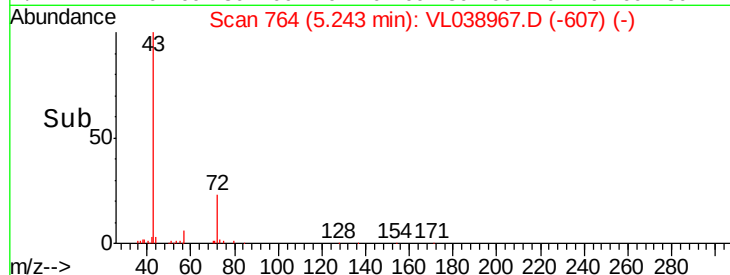
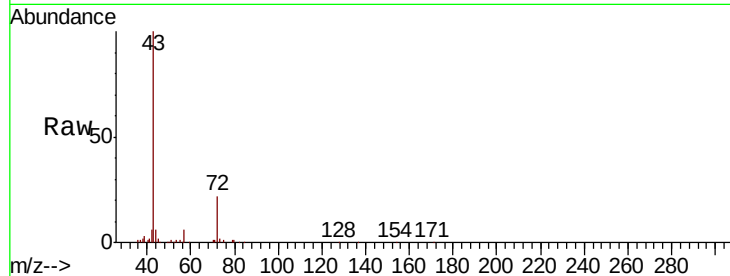
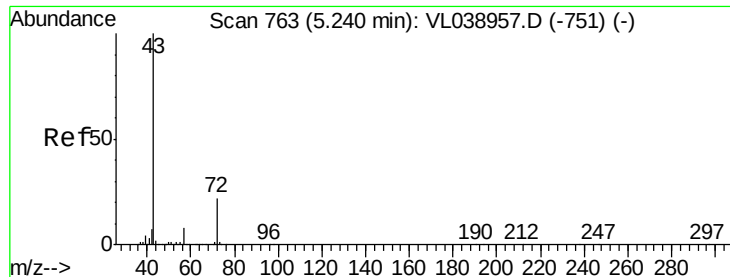
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL038967.D
Acq: 5 May 2022 11:18

Tgt Ion:114 Resp: 2573066
Ion Ratio Lower Upper
114 100
63 28.6 22.6 33.8
88 19.4 15.4 23.0



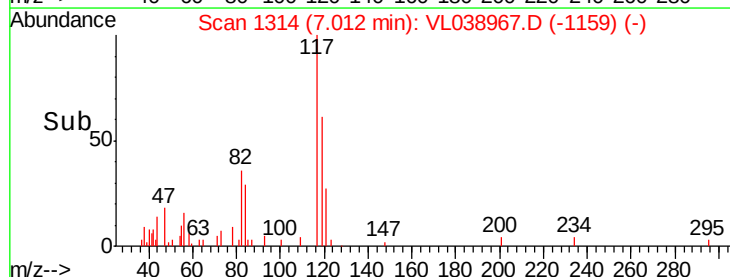
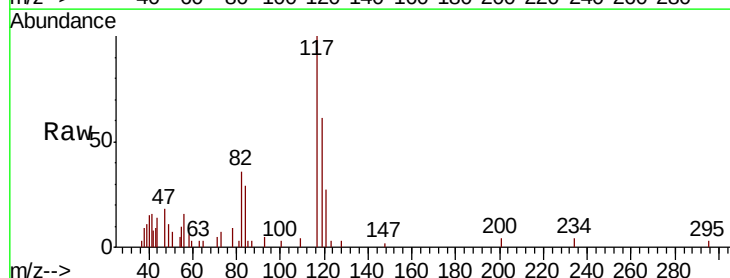
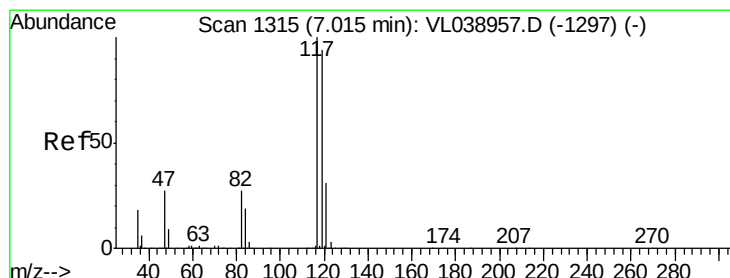
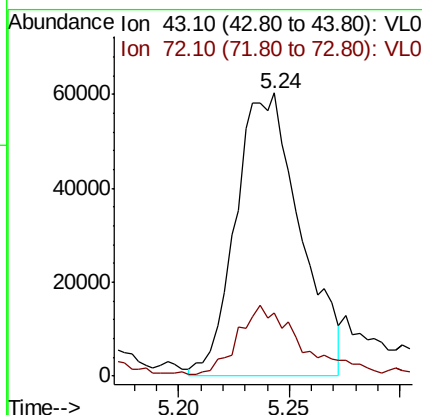


#34
2-Butanone
Concen: 0.932 ppbv m
RT: 5.24
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 11:18

Tot Ion:
Ion Ratio
43 100
72 26.

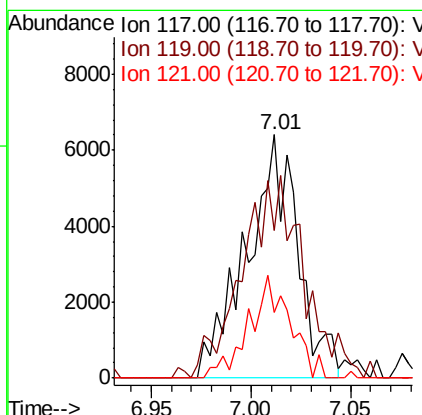
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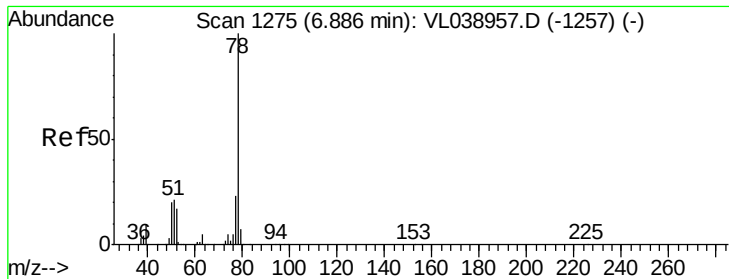
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 7.01 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VL038967.D
Acq: 5 May 2022 11:18

Tgt Ion:117 Resp: 11507
Ion Ratio Lower Upper
117 100
119 60.9 75.2 112.8#
121 27.1 24.6 37.0



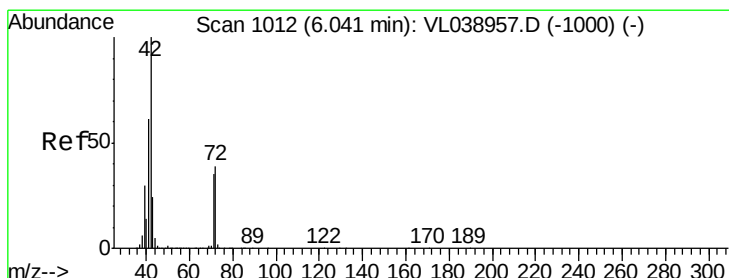
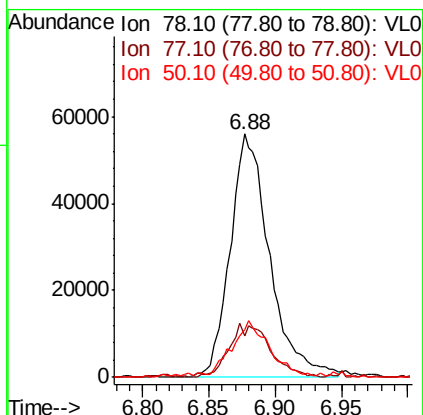
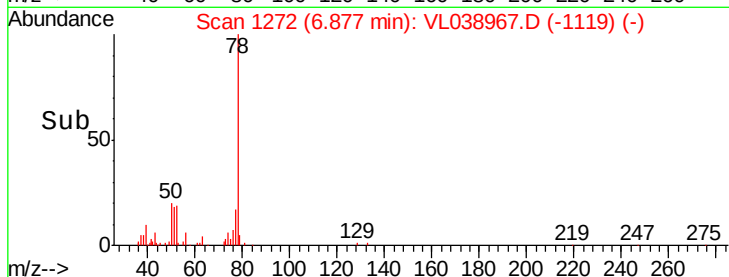
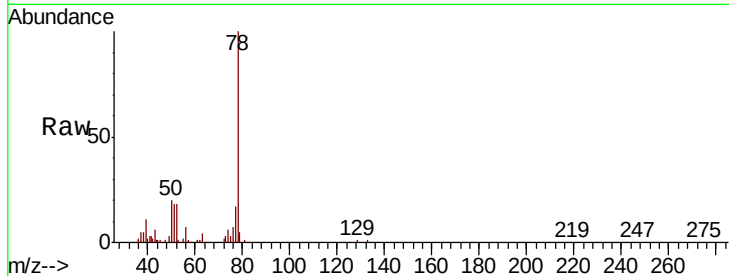


#36
Benzene
Concen: 0.525 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 11:18

Tot Ion:
Ion Ratio
78 100
77 17.
50 18.

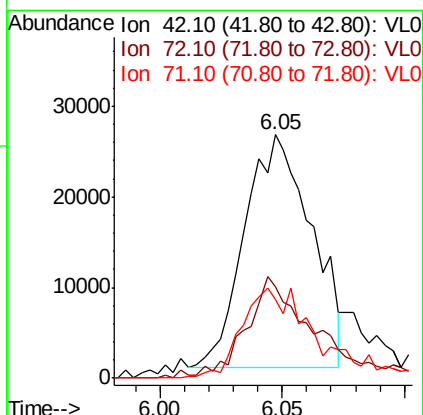
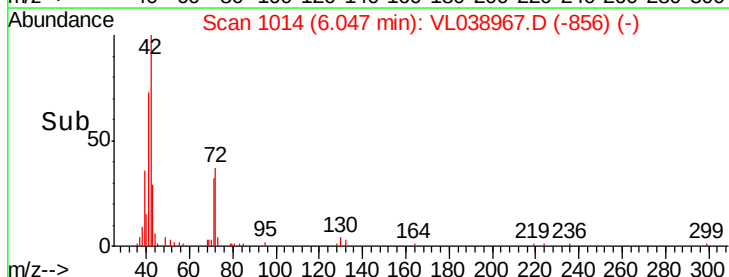
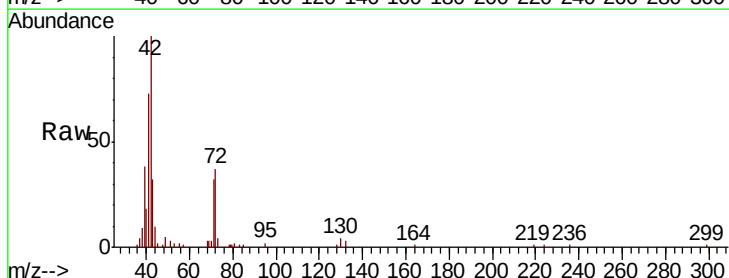
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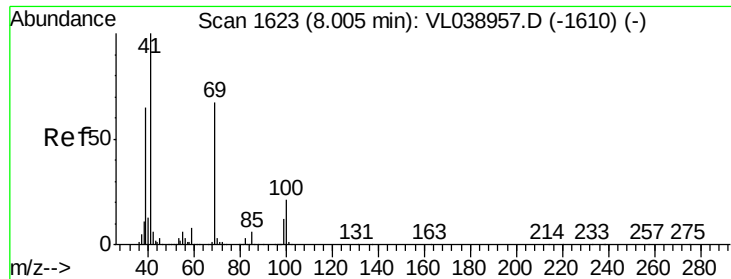
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#41
Tetrahydrofuran
Concen: 0.555 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VL038967.D
Acq: 5 May 2022 11:18

Tgt Ion: 42 Resp: 48974
Ion Ratio Lower Upper
42 100
72 46.8 31.8 47.6
71 45.6 30.6 45.8



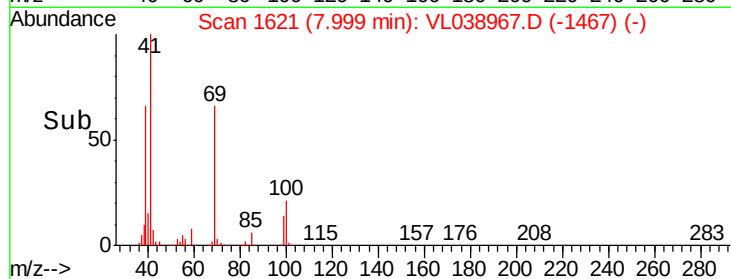
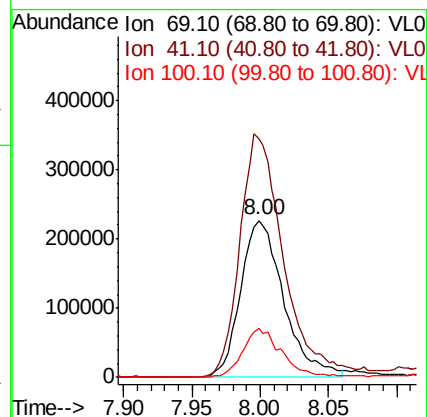
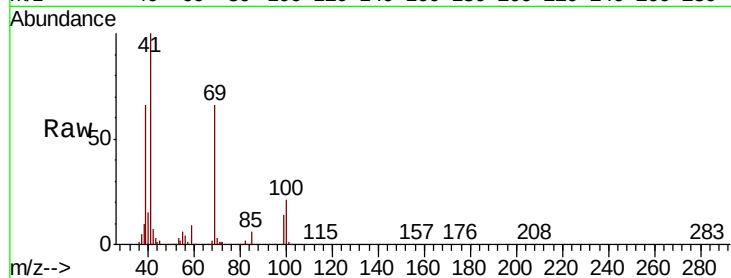


#43
Methvl Methacrylate
Concen: 5.582 ppbv
RT: 8.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 11:18

Tot Ion:
Ion Ratio
69 100
41 159.
100 28.

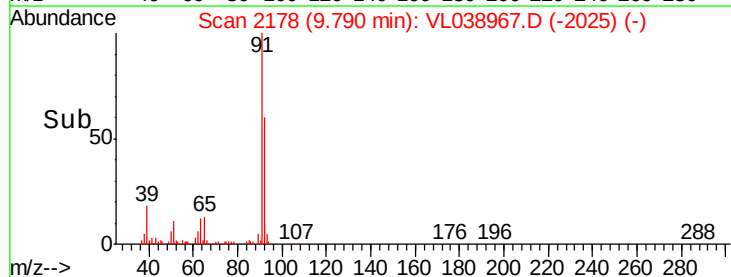
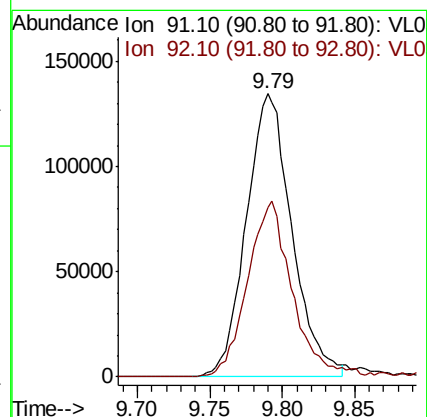
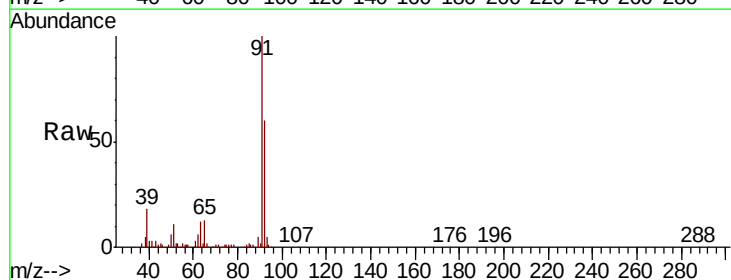
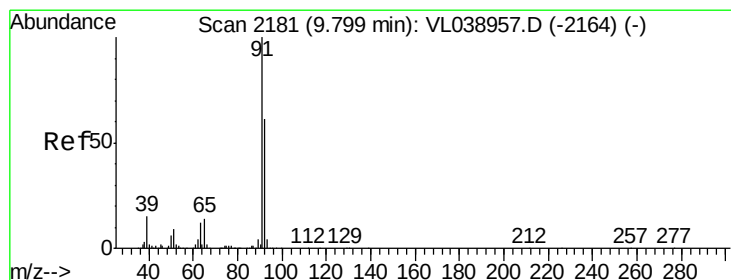
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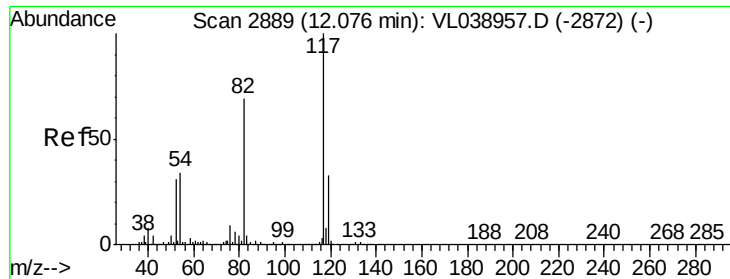
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#53
Toluene
Concen: 1.192 ppbv
RT: 9.79 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL038967.D
Acq: 5 May 2022 11:18

Tgt Ion: 91 Resp: 294262
Ion Ratio Lower Upper
91 100
92 61.7 48.2 72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 11:18

Tot Ion:1

Ion Rati

117 100

82 75.

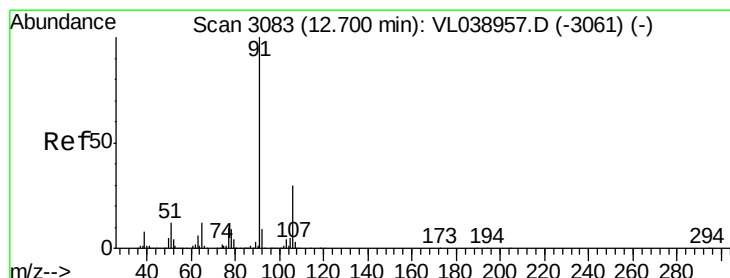
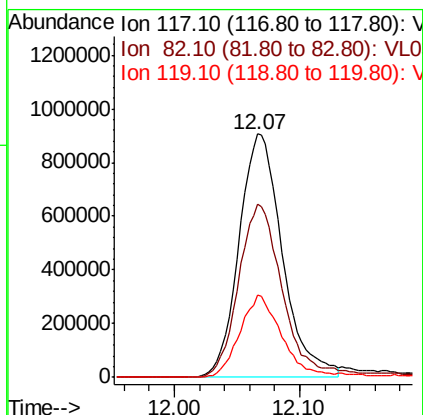
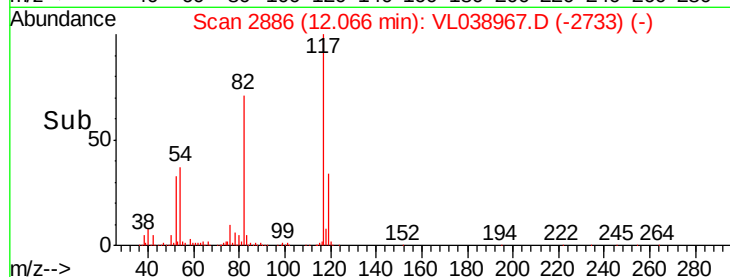
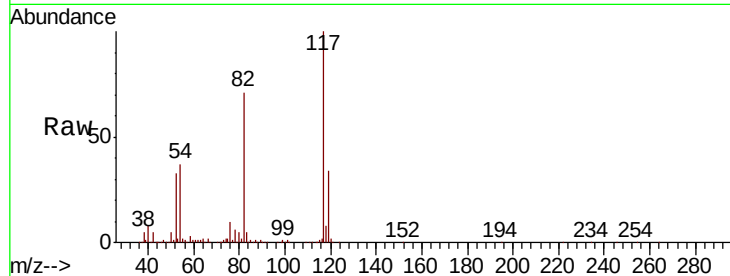
119 34.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#58

Ethyl Benzene

Concen: 0.218 ppbv m

RT: 12.69 min Scan# 3081

Delta R.T. -0.01 min

Lab File: VL038967.D

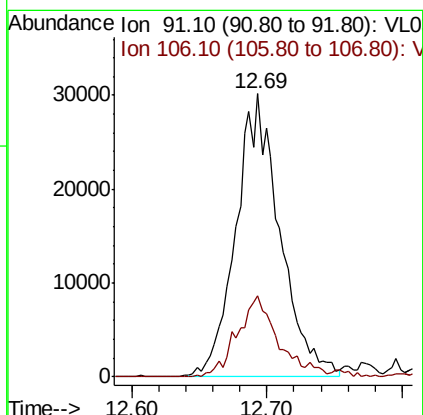
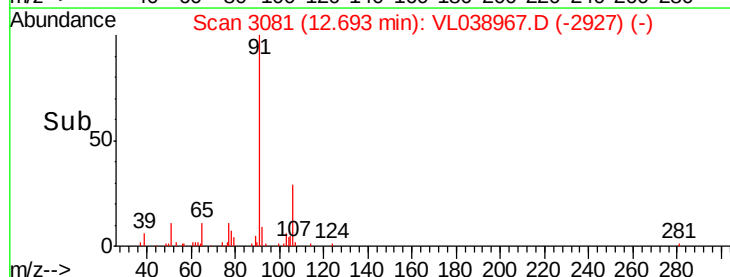
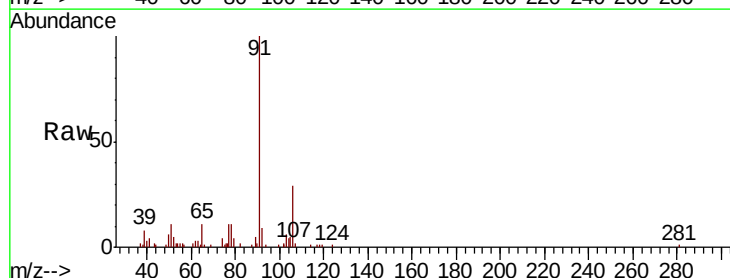
Acq: 5 May 2022 11:18

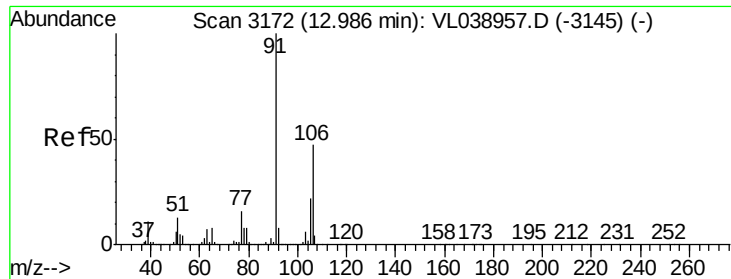
Tgt Ion: 91 Resp: 68291

Ion Ratio Lower Upper

91 100

106 28.6 24.2 36.4



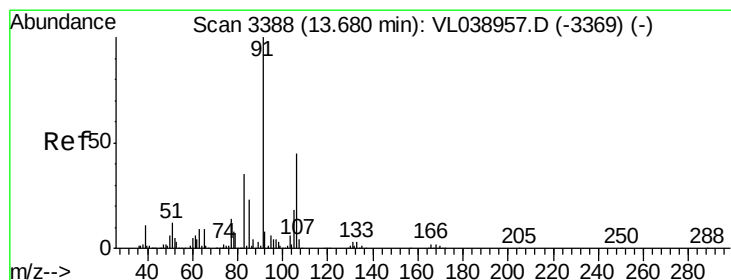
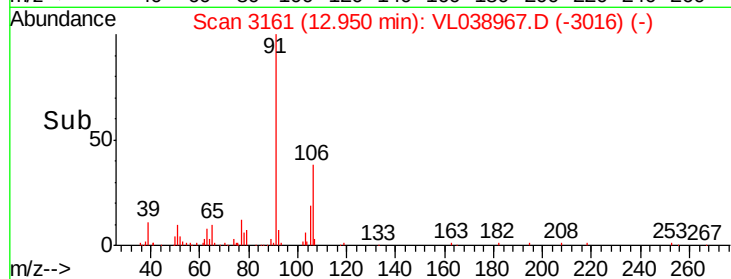
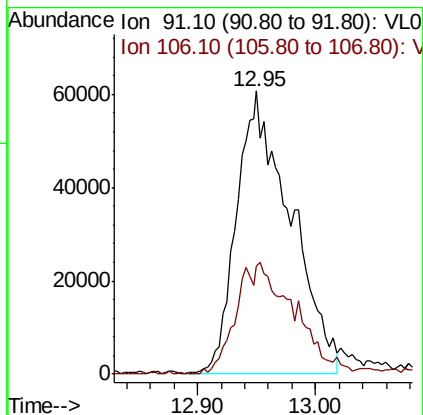
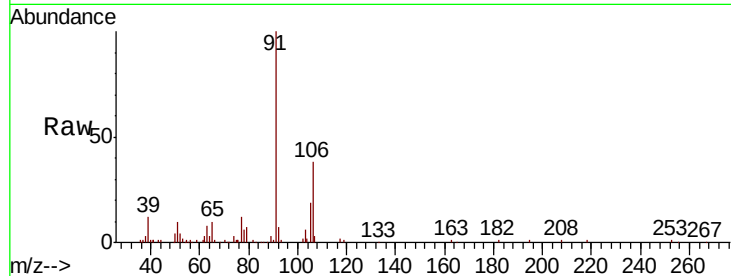


#59
m/p-Xylene
Concen: 0.722 ppbv m
RT: 12.95
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 11:18

Tot Ion:
Ion Ratio
91 100
106 0.

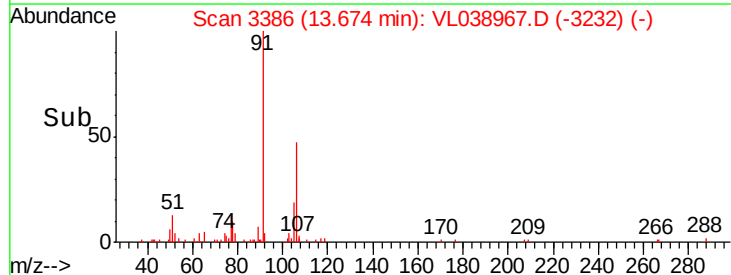
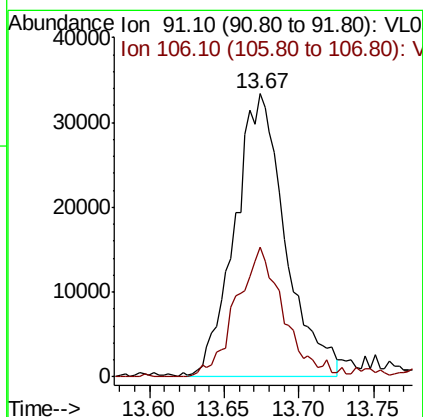
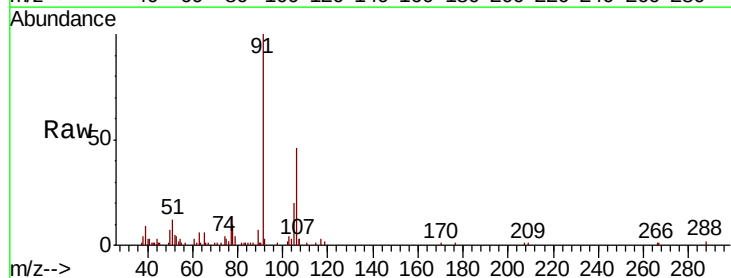
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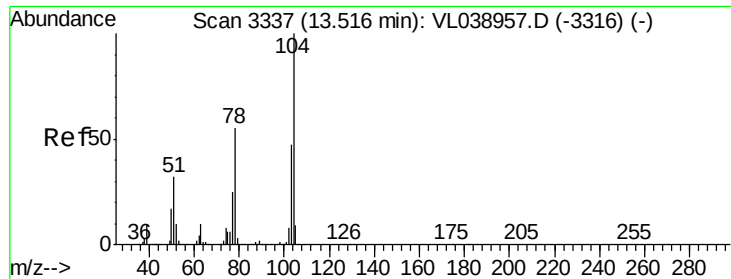
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#60
o-Xylene
Concen: 0.312 ppbv m
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL038967.D
Acq: 5 May 2022 11:18

Tgt Ion: 91 Resp: 78476
Ion Ratio Lower Upper
91 100
106 0.0 22.2 66.6#



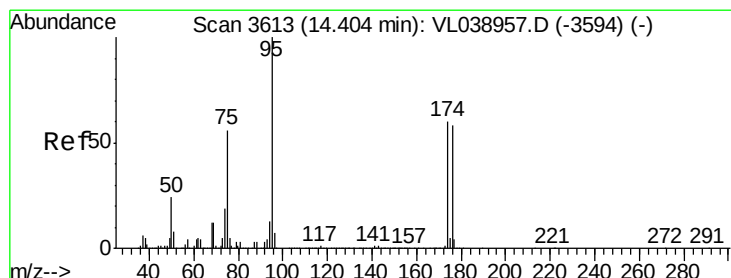
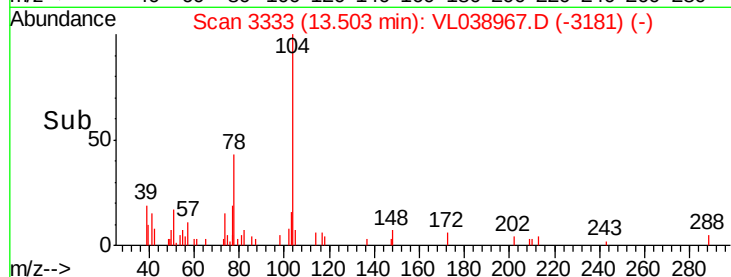
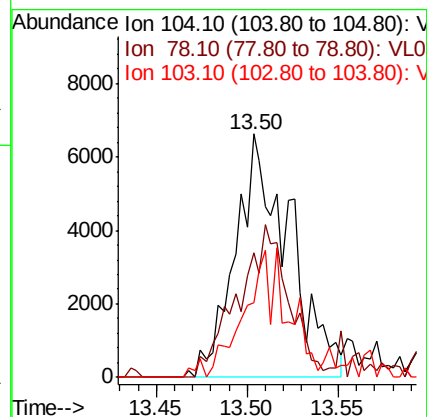
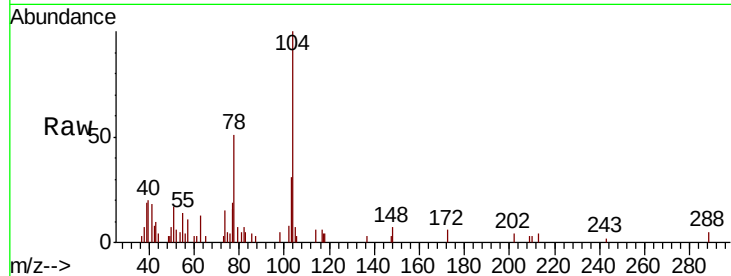


#61
Stvrene
Concen: 0.102 ppbv m
RT: 13.50
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 11:18

Tot Ion:1
Ion Rati
104 100
78 0.
103 0.

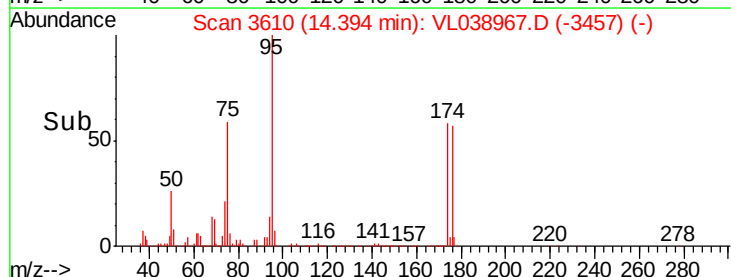
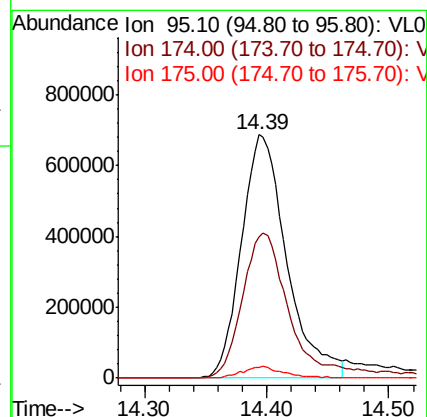
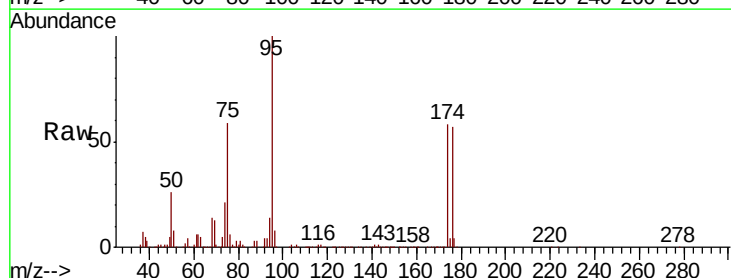
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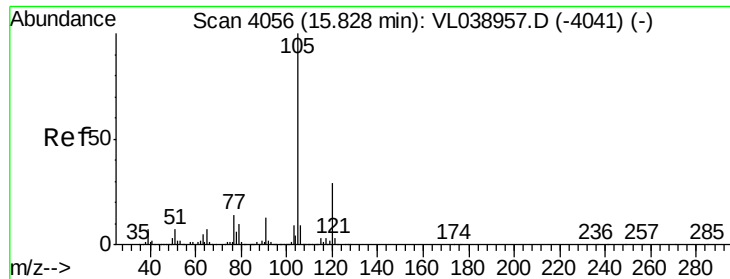
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.260 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.01 min
Lab File: VL038967.D
Acq: 5 May 2022 11:18

Tgt Ion: 95 Resp: 1769921
Ion Ratio Lower Upper
95 100
174 64.9 50.8 76.2
175 4.6 3.8 5.6





#72

4-Ethyltoluene

Concen: 0.070 ppbv

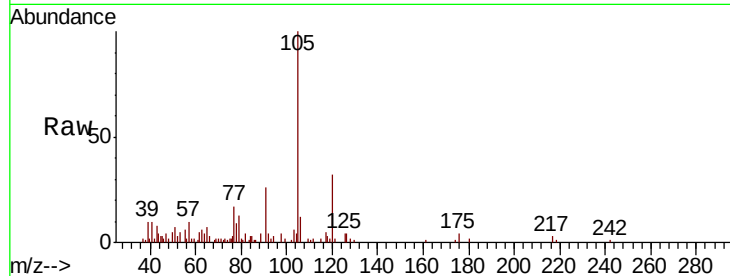
RT: 15.82

Delta R.T. MSVOA_L

Lab File:

Acq: 5 May 2022 11:18

ClientSampleId :



Tot Ion:1

Ion Ratio

105 100

120 72.

91 47.

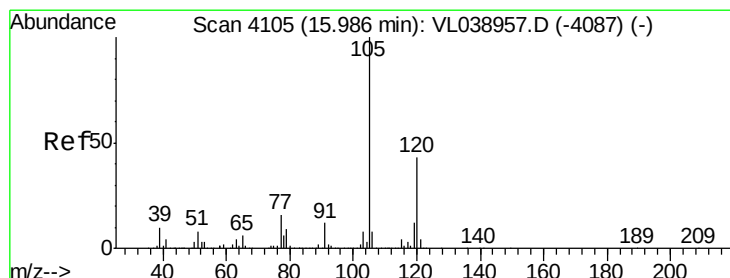
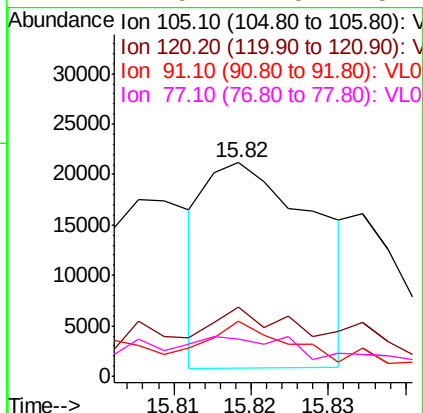
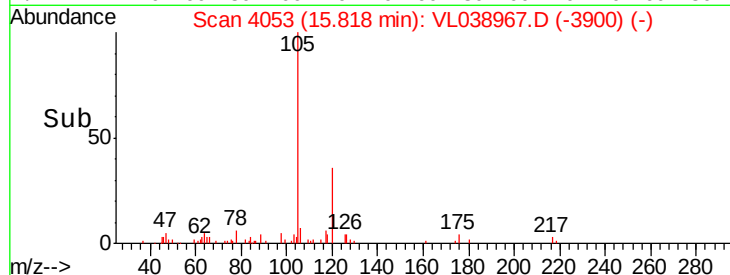
77 44.5 12.5 18.7#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#73

1,3,5-Trimethylbenzene

Concen: 0.195 ppbv m

RT: 15.97 min Scan# 4101

Delta R.T. -0.01 min

Lab File: VL038967.D

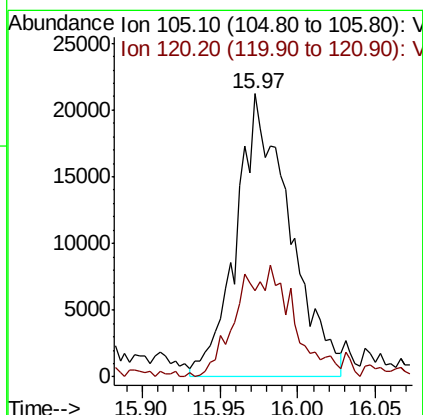
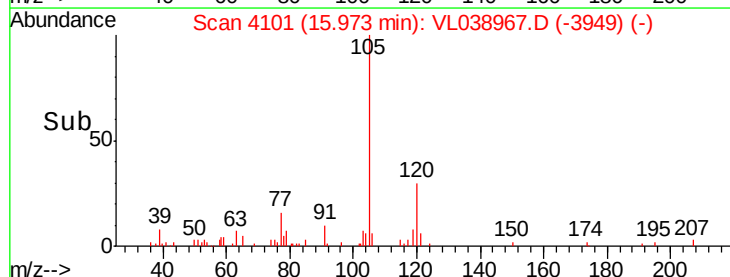
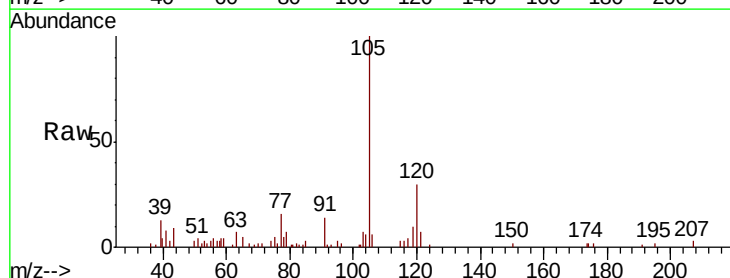
Acq: 5 May 2022 11:18

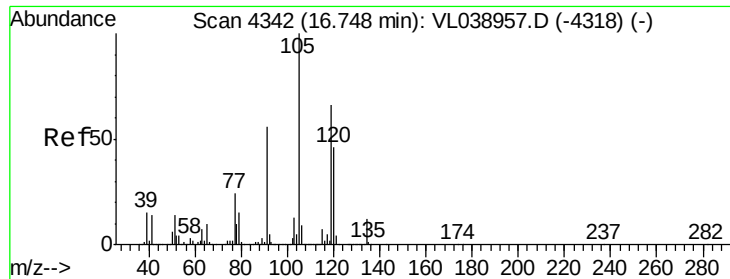
Tgt Ion:105 Resp: 50282

Ion Ratio Lower Upper

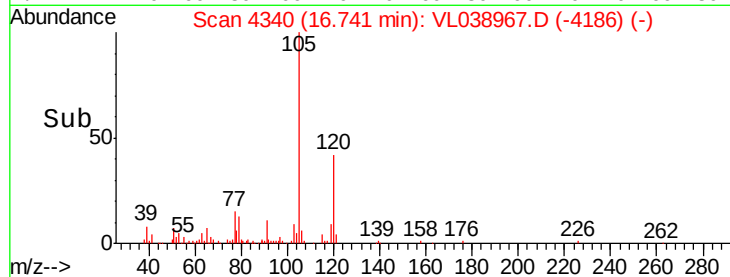
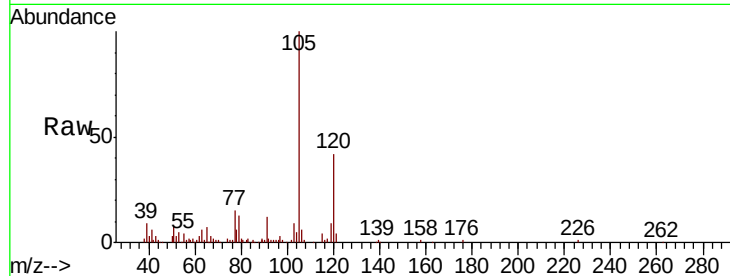
105 100

120 30.3 34.4 51.6#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.657 ppbv m
 RT: 16.74
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 11:18



Tot Ion:1
 Ion Rati
 105 100
 120 42.
 91 11.
 77 15.5 19.2 28.8#

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022

