

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038968.D
 Acq On : 5 May 2022 11:59
 Operator : SY/AP
 Sample : N2682-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1DUP

Manual Integrations
 APPROVED

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

Quant Time: May 06 08:41:02 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	1046367	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2498797	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2228442	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1729498	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	38932m	0.237	ppbv	
3) Chlorodifluoromethane	2.99	51	894294m	6.888	ppbv	
4) Chloromethane	3.14	50	36889	0.567	ppbv #	88
9) Propene	3.02	41	52560	0.927	ppbv	86
10) Heptane	8.11	43	27265m	0.196	ppbv	
11) Trichlorofluoromethane	3.95	101	34558	0.246	ppbv	85
13) Ethanol	3.60	45	779171	175.969	ppbv	87
15) Acetone	3.84	43	1240156	12.564	ppbv	100
17) tert-Butyl alcohol	4.28	59	78991	1.041	ppbv	99
19) Isopropyl Alcohol	3.95	45	3427598	73.037	ppbv	100
20) Methylene Chloride	4.34	84	440598	11.844	ppbv	97
26) Hexane	5.68	57	570461	5.435	ppbv #	43
34) 2-Butanone	5.24	43	137401	1.078	ppbv	94
35) Carbon Tetrachloride	7.00	117	12105m	0.074	ppbv	
36) Benzene	6.88	78	112761	0.527	ppbv	96
41) Tetrahydrofuran	6.05	42	42646	0.498	ppbv #	74
43) Methyl Methacrylate	8.00	69	510248	5.878	ppbv	96
53) Toluene	9.79	91	310157	1.294	ppbv	100
58) Ethyl Benzene	12.70	91	65821m	0.205	ppbv	
59) m/p-Xylene	12.95	91	202007m	0.738	ppbv	
60) o-Xylene	13.67	91	84516m	0.328	ppbv	
61) Styrene	13.51	104	12986m	0.094	ppbv	
72) 4-Ethyltoluene	15.82	105	40919	0.139	ppbv #	74
73) 1,3,5-Trimethylbenzene	15.98	105	50471m	0.191	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	171730	0.593	ppbv #	65

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

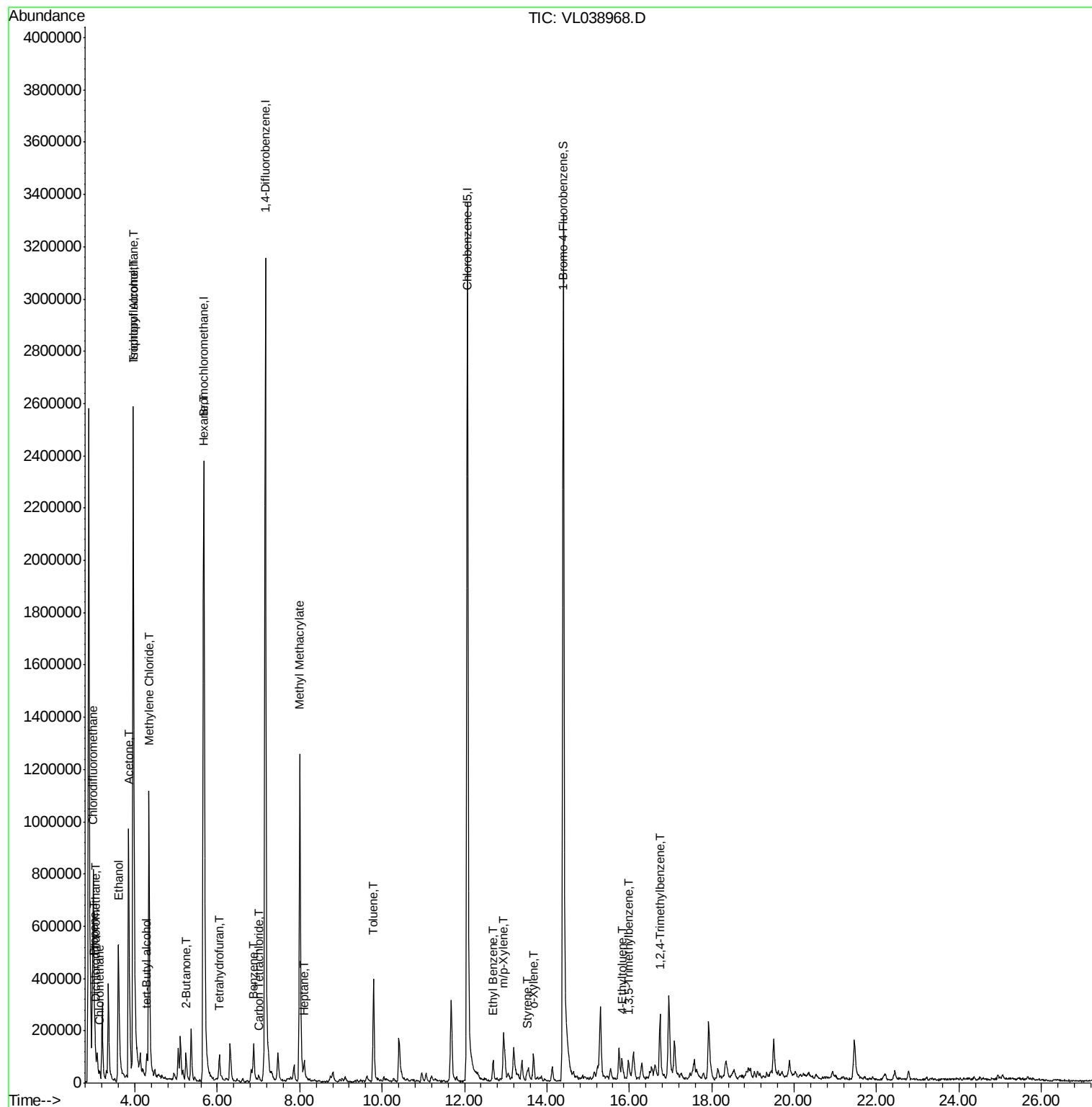
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050522\
Data File : VL038968.D
Acq On : 5 May 2022 11:59
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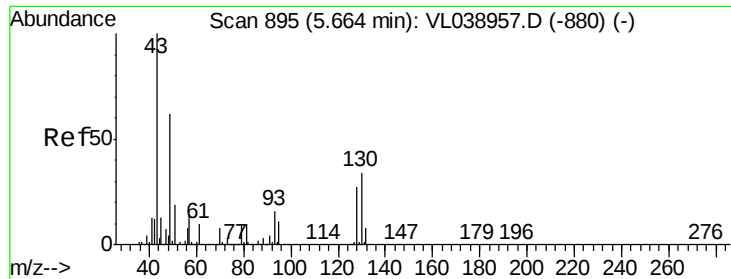
Instrument :
MSVOA_L
ClientSampleId :
1DUP

Quant Time: May 06 08:41:02 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522\
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Manual Integrations
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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

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 11:59

Tot Ion:

Ion Ratio

49 100

128 47.

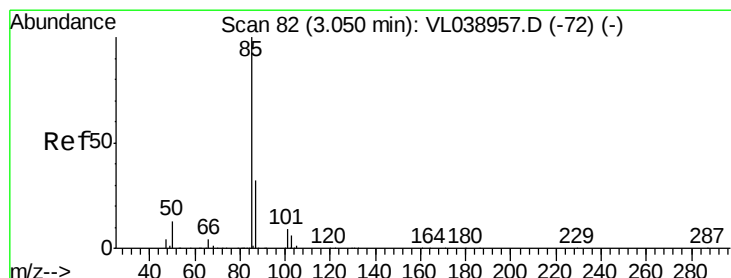
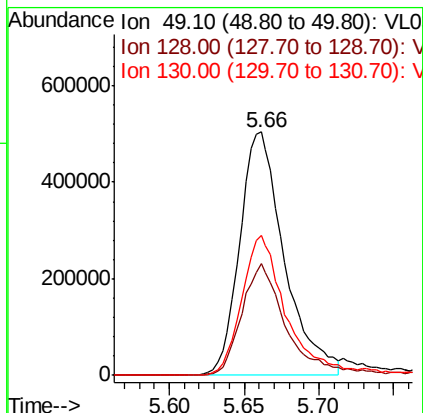
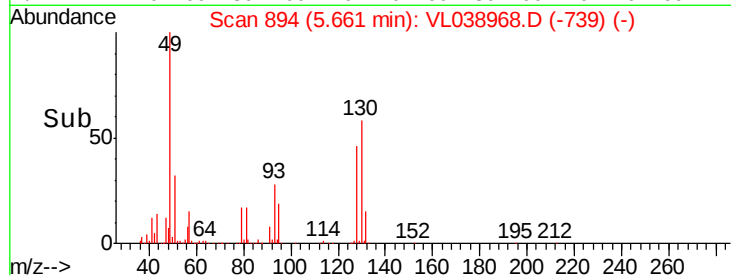
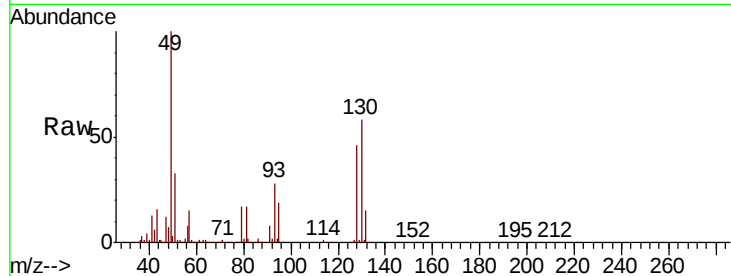
130 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#2

Dichlorodifluoromethane

Concen: 0.237 ppbv m

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL038968.D

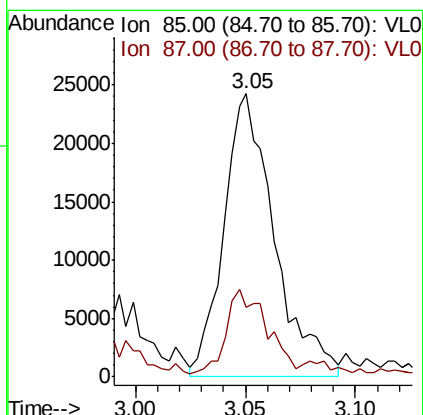
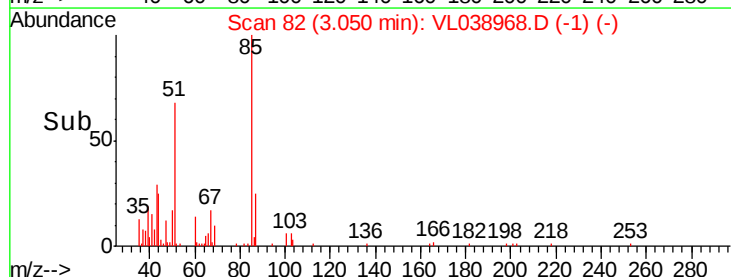
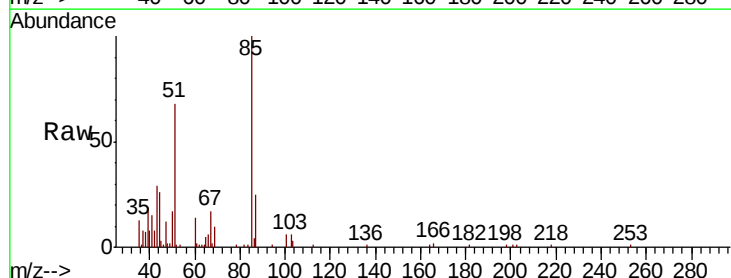
Acq: 5 May 2022 11:59

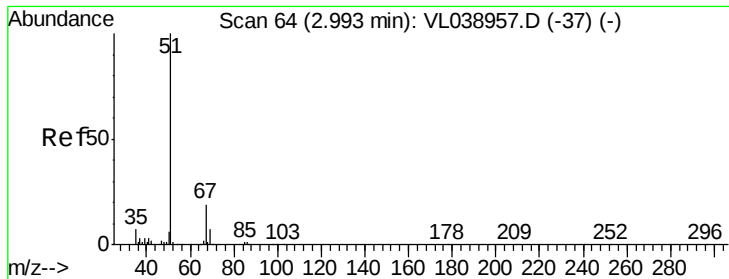
Tgt Ion: 85 Resp: 38932

Ion Ratio Lower Upper

85 100

87 24.5 25.7 38.5#





#3

Chlorodifluoromethane

Concen: 6.888 ppbv m

RT: 2.99 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: 1DUP

Acq: 5 May 2022 11:59

Tot Ion:

Ion Ratio

51 100

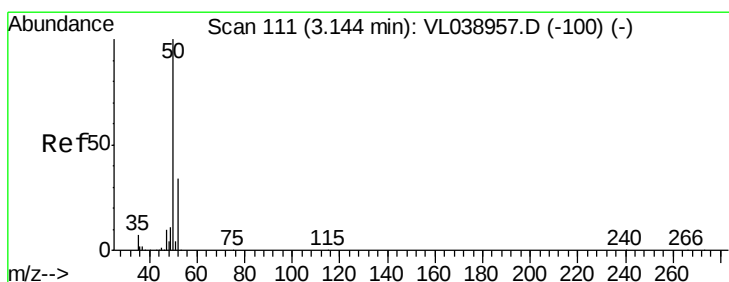
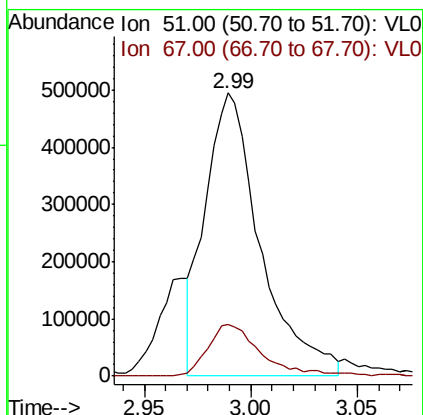
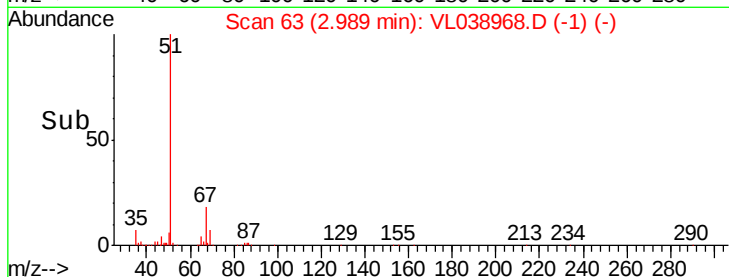
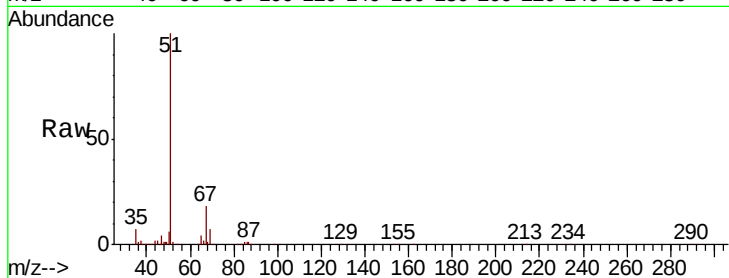
67 18.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#4

Chloromethane

Concen: 0.567 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038968.D

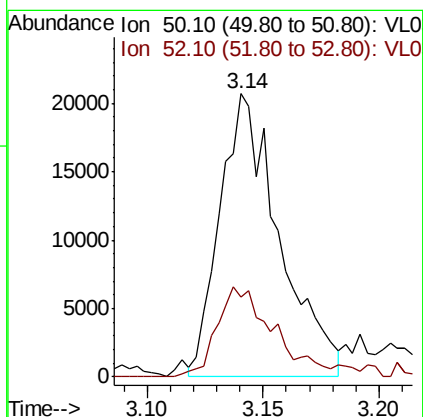
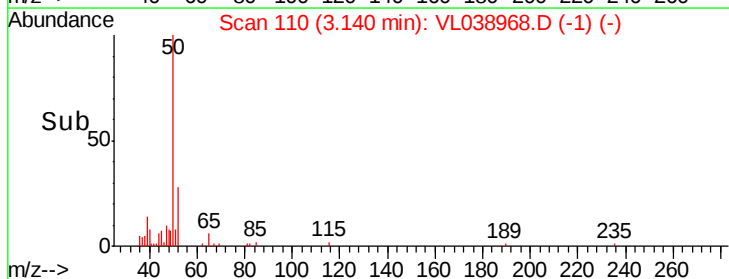
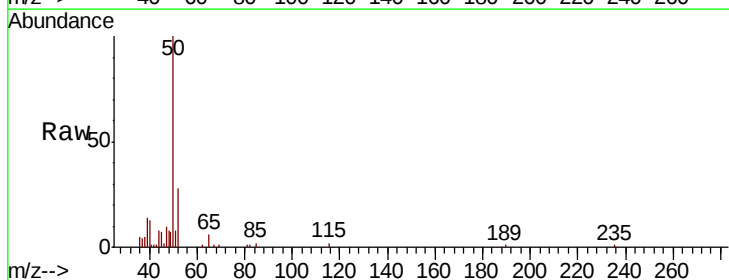
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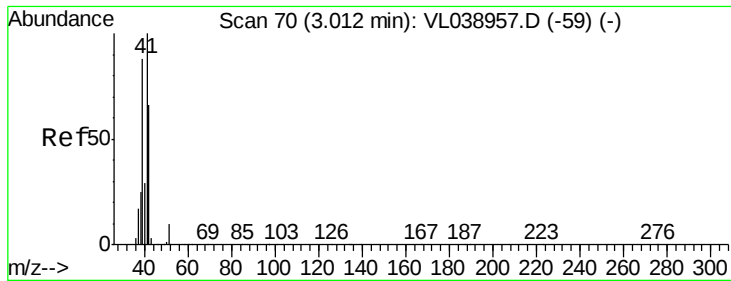
Tgt Ion: 50 Resp: 36889

Ion Ratio Lower Upper

50 100

52 27.2 27.3 40.9#



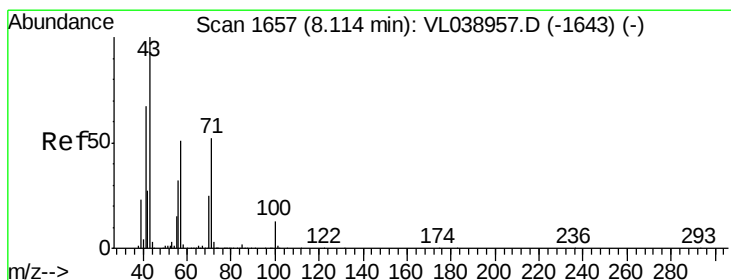
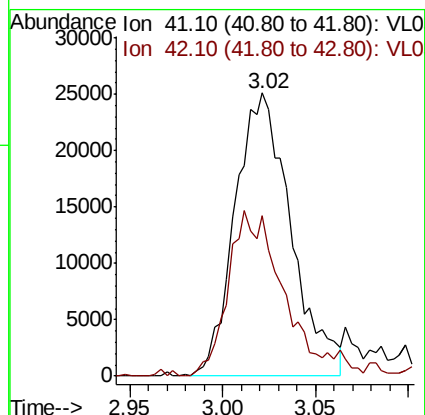
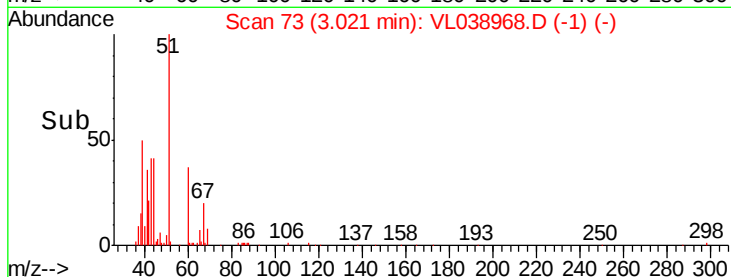
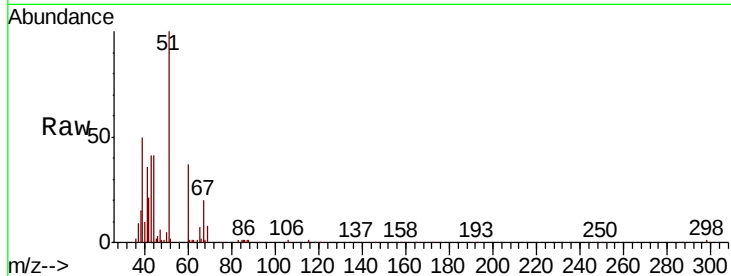


#9
 Propene
 Concen: 0.927 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 11:59

Tot Ion:
 Ion Ratio
 41 100
 42 61.

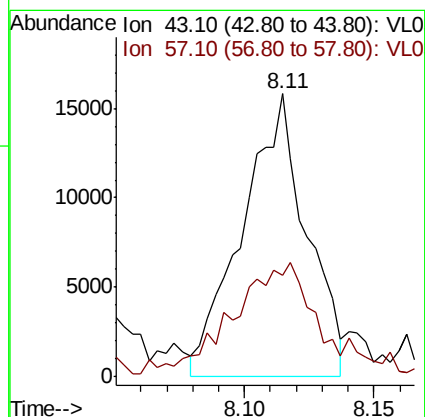
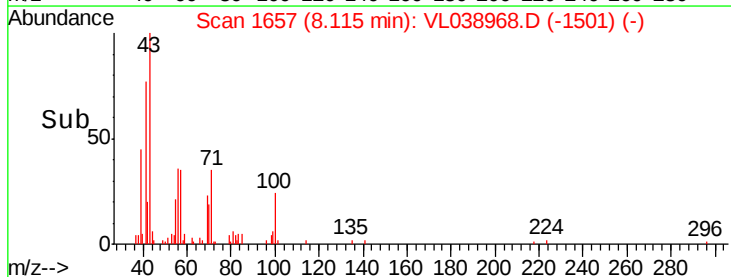
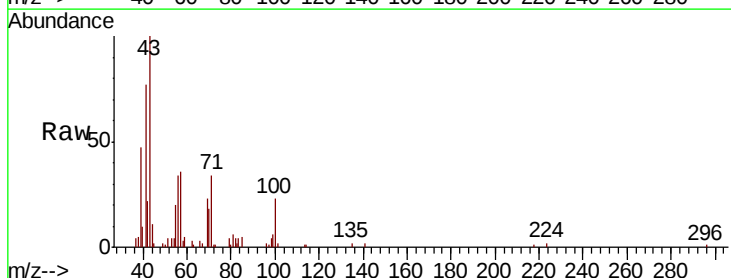
Manual Integrations
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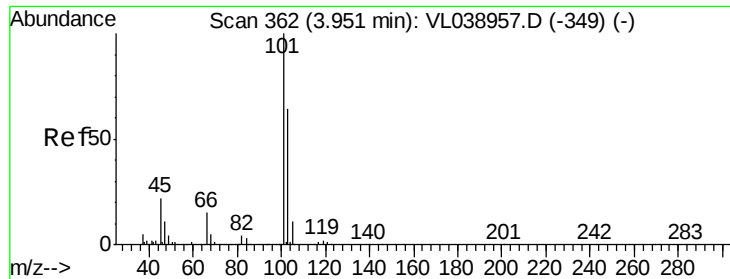
Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022



#10
 Heptane
 Concen: 0.196 ppbv m
 RT: 8.11 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VL038968.D
 Acq: 5 May 2022 11:59

Tgt Ion: 43 Resp: 27265
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.5 60.7#





#11

Trichlorofluoromethane

Concen: 0.246 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 11:59

Tot Ion:1

Ion Rati

101 100

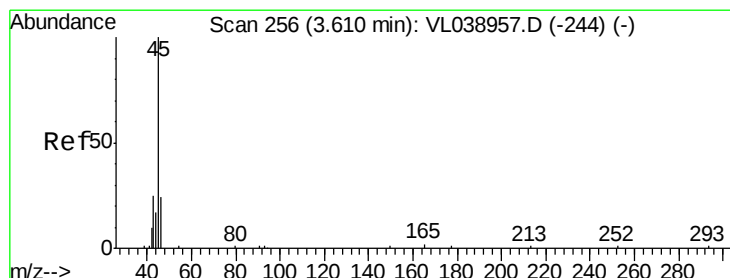
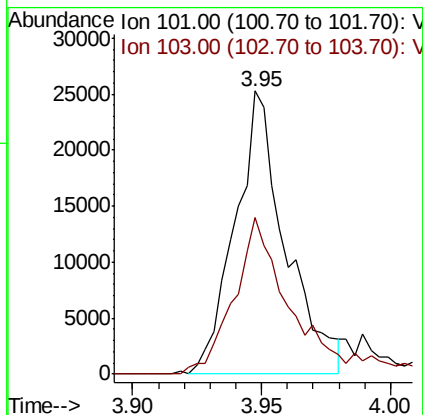
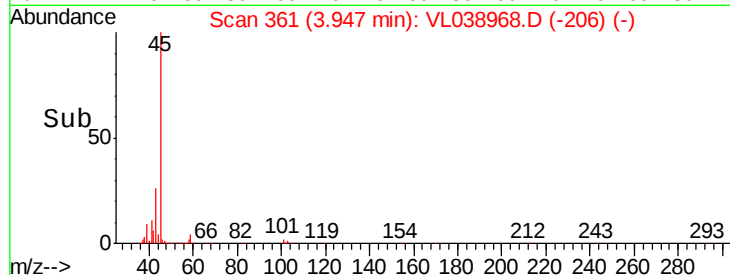
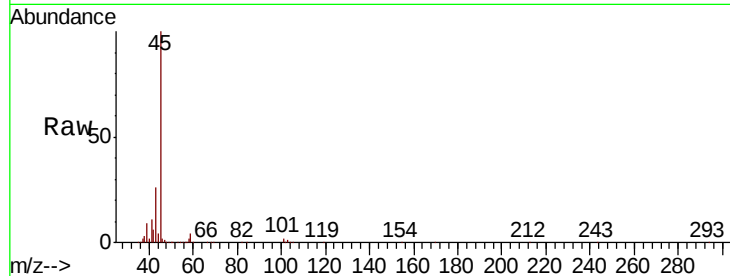
103 52.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#13

Ethanol

Concen: 175.969 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL038968.D

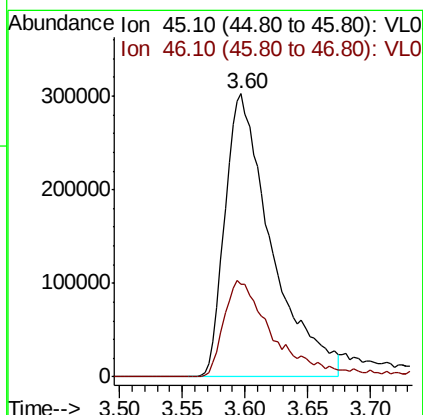
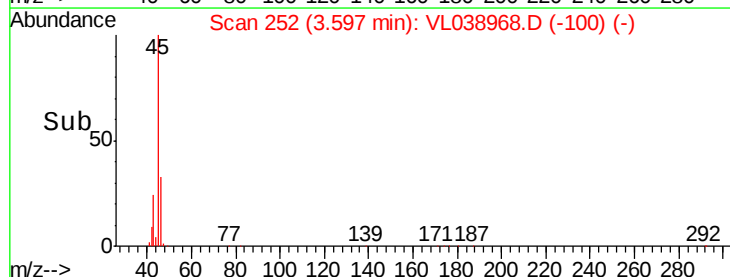
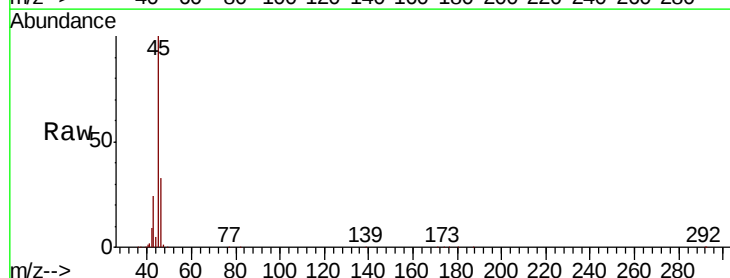
Acq: 5 May 2022 11:59

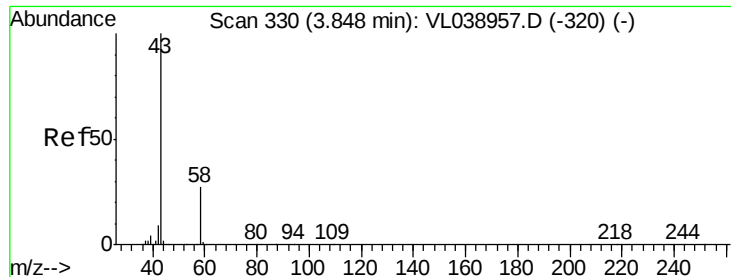
Tgt Ion: 45 Resp: 779171

Ion Ratio Lower Upper

45 100

46 36.6 18.0 72.2





#15

Acetone

Concen: 12.564 ppbv

RT: 3.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 11:59

Tot Ion:

Ion Ratio

43 100

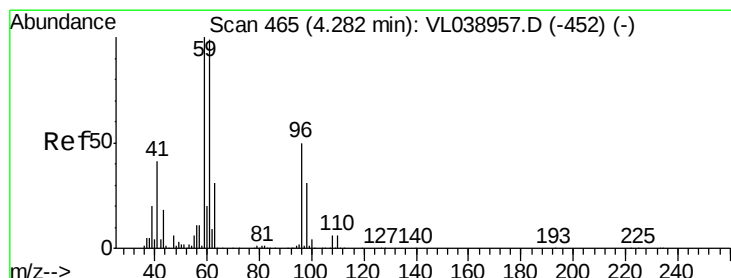
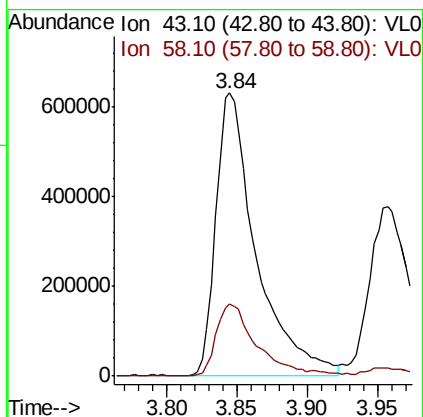
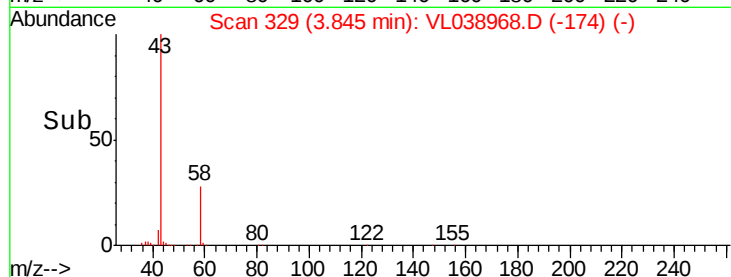
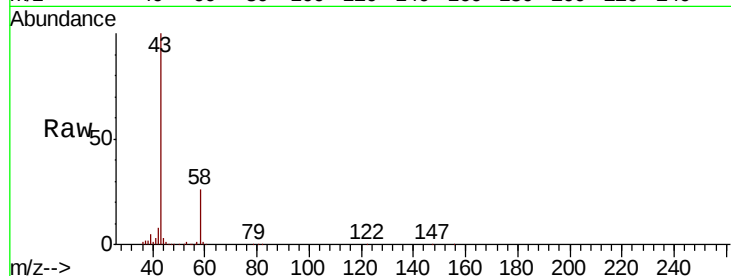
58 26.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#17

tert-Butyl alcohol

Concen: 1.041 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.00 min

Lab File: VL038968.D

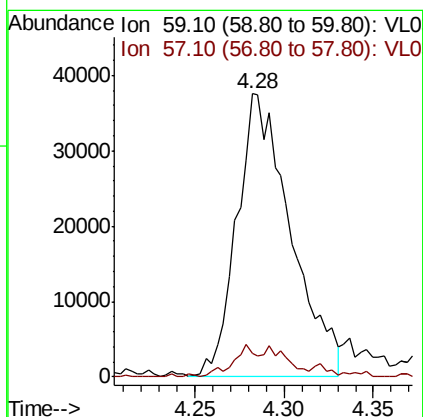
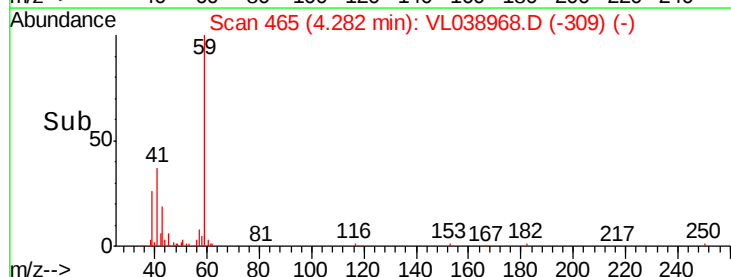
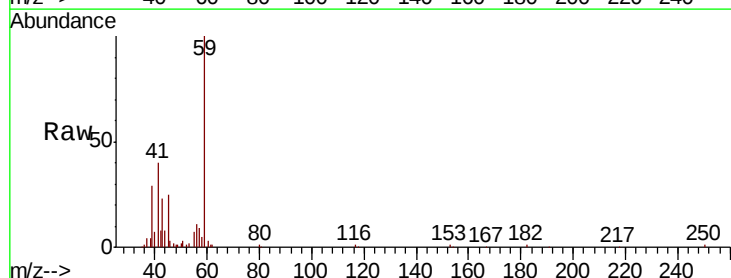
Acq: 5 May 2022 11:59

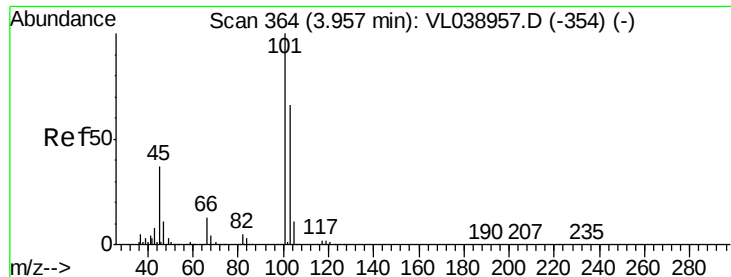
Tgt Ion: 59 Resp: 78991

Ion Ratio Lower Upper

59 100

57 11.9 9.2 13.8





#19

Isopropyl Alcohol

Concen: 73.037 ppbv

RT: 3.95

Delta R.T. MSVOA.L

Lab File: ClientSampleId :

1DUP

Acq: 5 May 2022 11:59

Tot Ion:

Ion Ratio

45 100

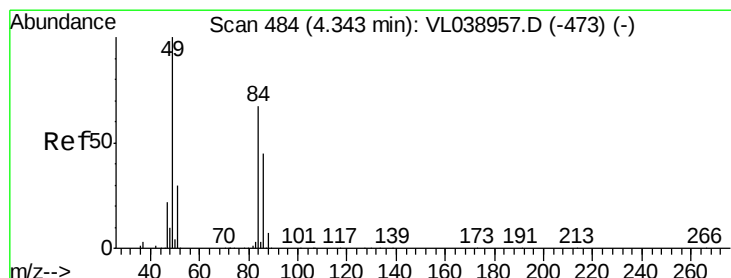
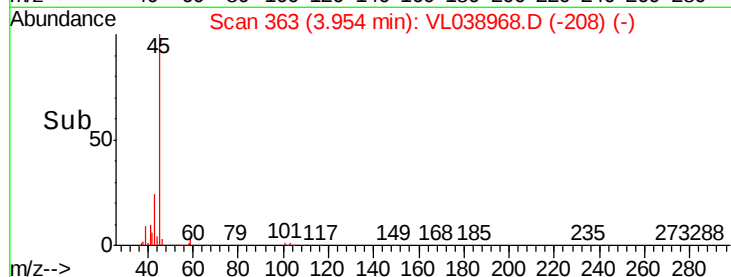
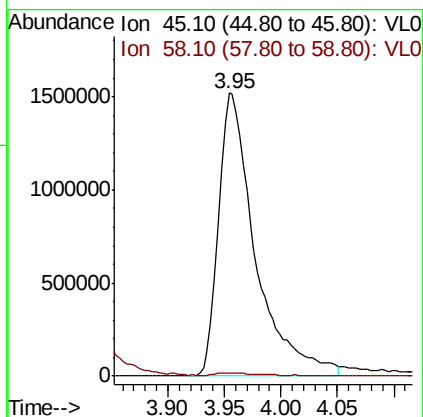
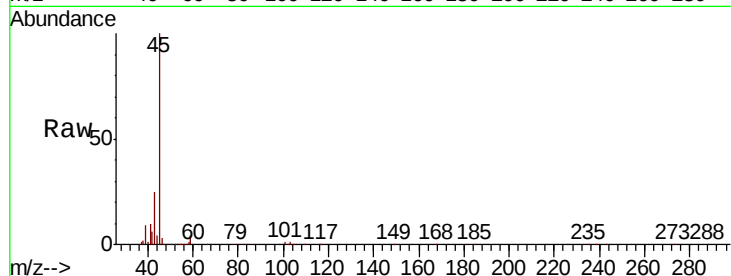
58 1.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#20

Methylene Chloride

Concen: 11.844 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL038968.D

Acq: 5 May 2022 11:59

Tgt Ion: 84 Resp: 440598

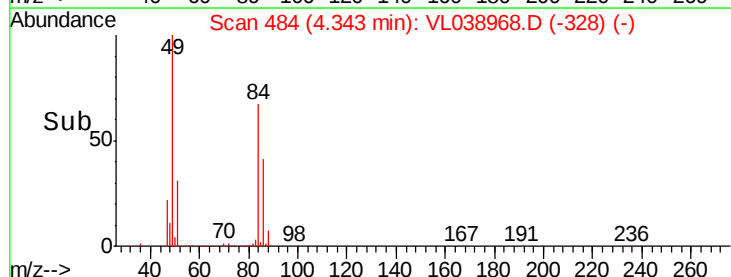
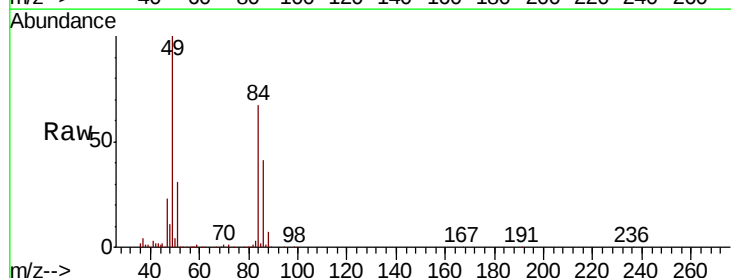
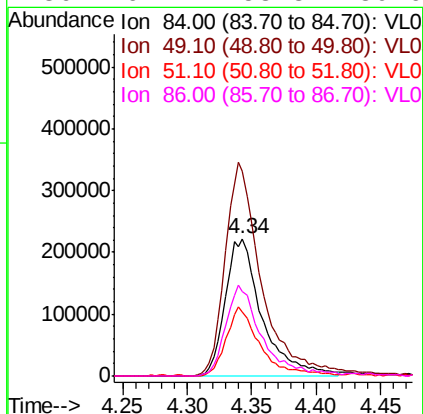
Ion Ratio Lower Upper

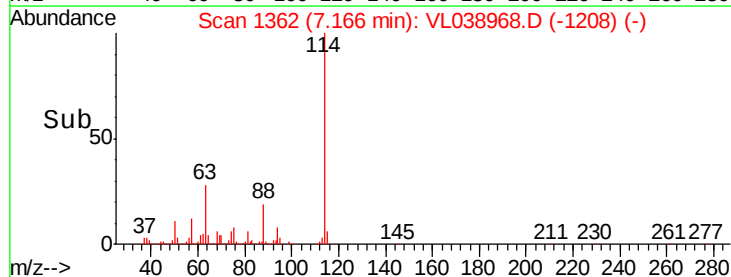
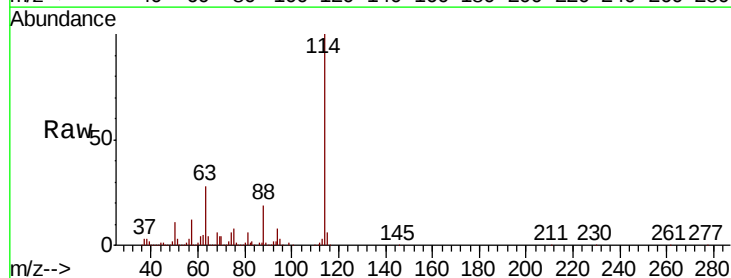
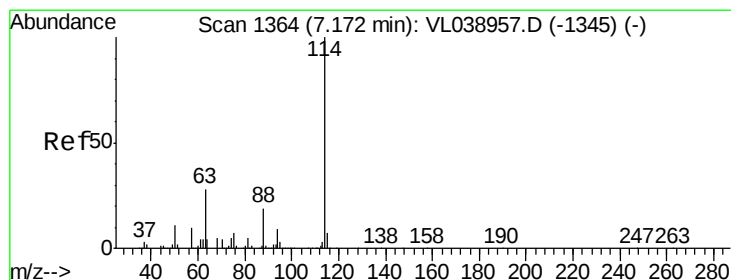
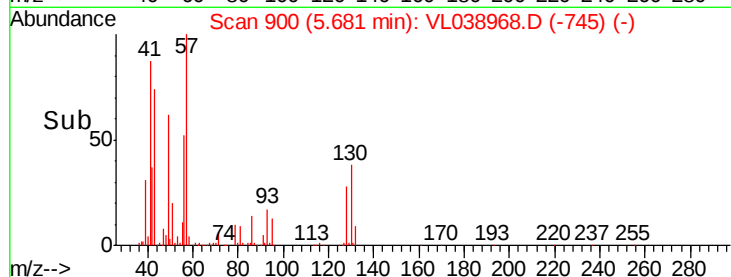
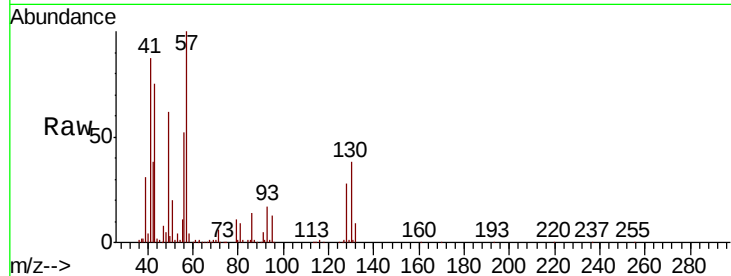
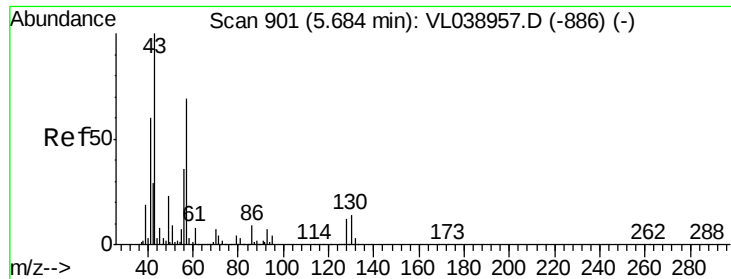
84 100

49 149.2 119.9 179.9

51 46.3 35.7 53.5

86 61.4 53.8 80.6



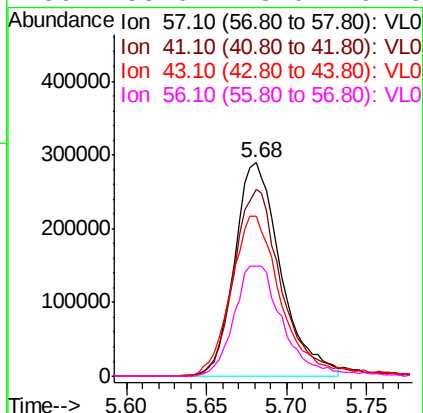


#26
Hexane
Concen: 5.435 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 11:59

Tot Ion:
Ion Ratio
57 100
41 92.
43 83.
56 55.6 43.0 64.6

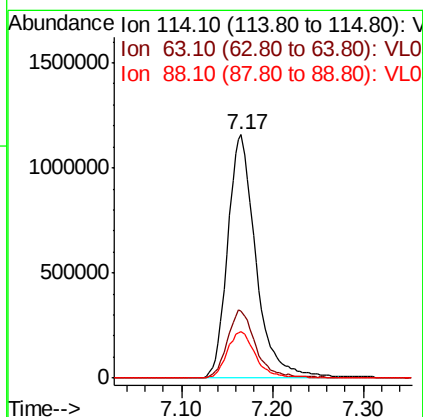
Manual Integrations
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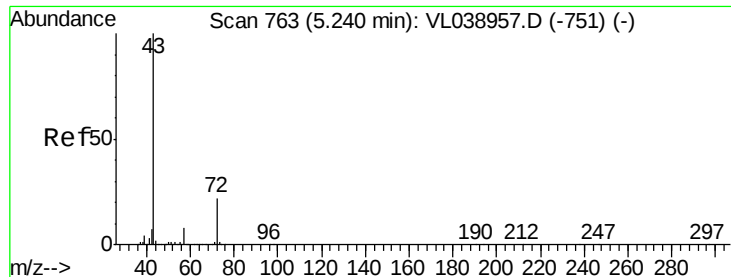
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL038968.D
Acq: 5 May 2022 11:59

Tgt Ion:114 Resp: 2498797
Ion Ratio Lower Upper
114 100
63 28.4 22.6 33.8
88 19.7 15.4 23.0



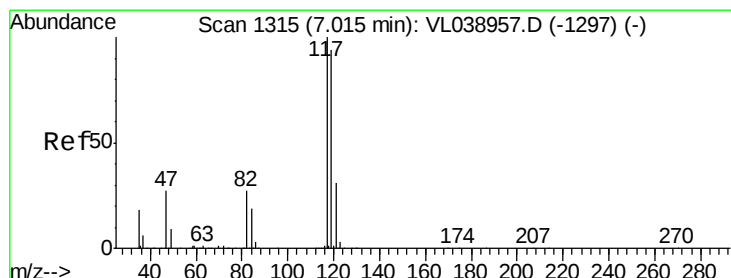
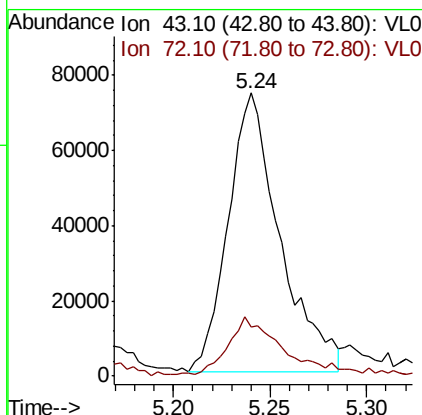
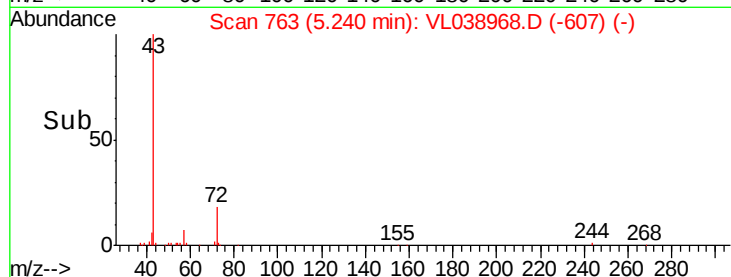
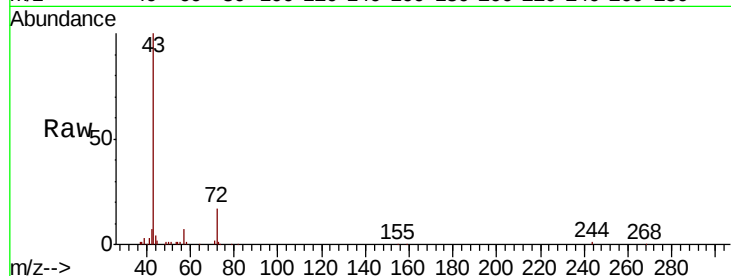


#34
2-Butanone
Concen: 1.078 ppbv
RT: 5.24
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 11:59

Tot Ion:
Ion Ratio
43 100
72 25.

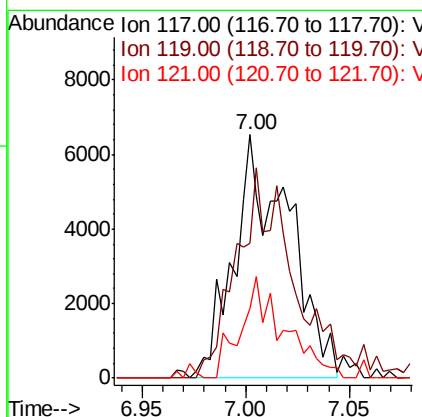
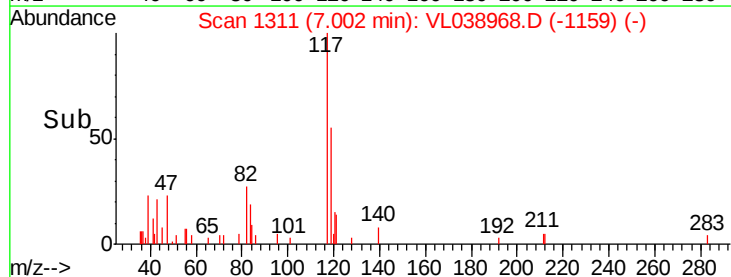
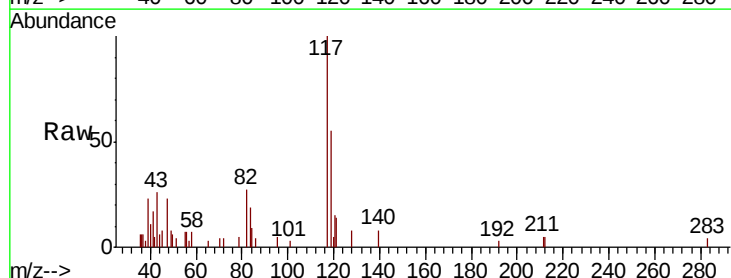
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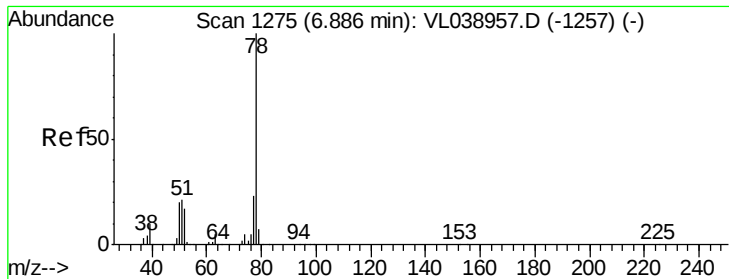
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 7.00 min Scan# 1311
Delta R.T.: -0.01 min
Lab File: VL038968.D
Acq: 5 May 2022 11:59

Tgt Ion:117 Resp: 12105
Ion Ratio Lower Upper
117 100
119 55.4 75.2 112.8#
121 14.9 24.6 37.0#



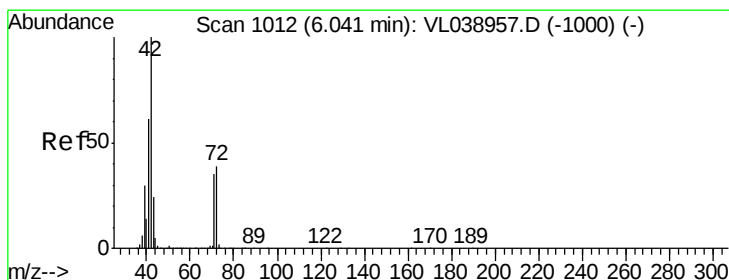
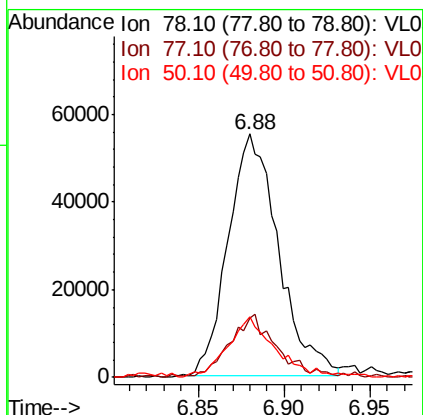
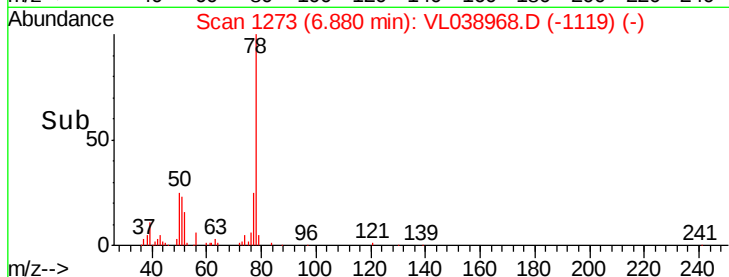
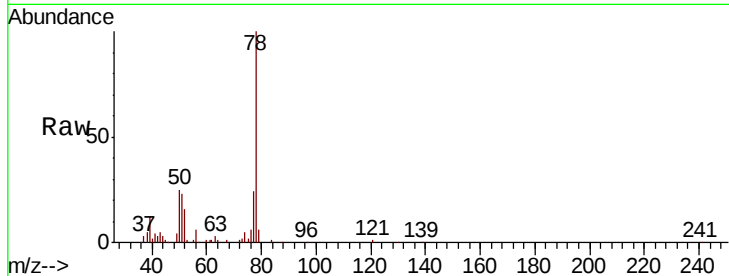


#36
Benzene
Concen: 0.527 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 11:59

Tot Ion:
Ion Ratio
78 100
77 23.
50 23.

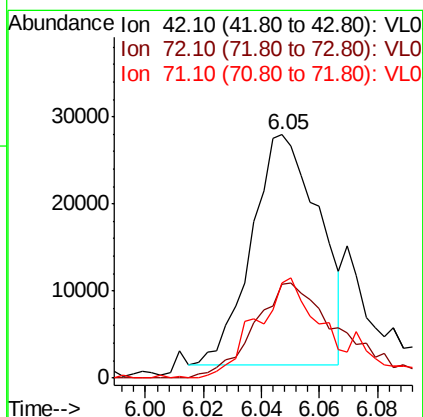
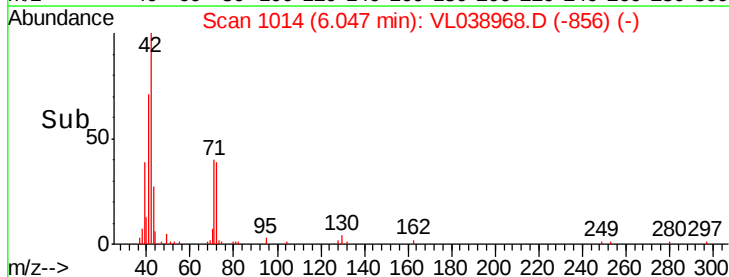
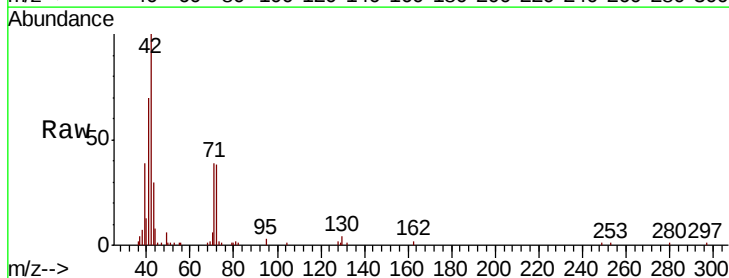
Manual Integrations
APPROVED

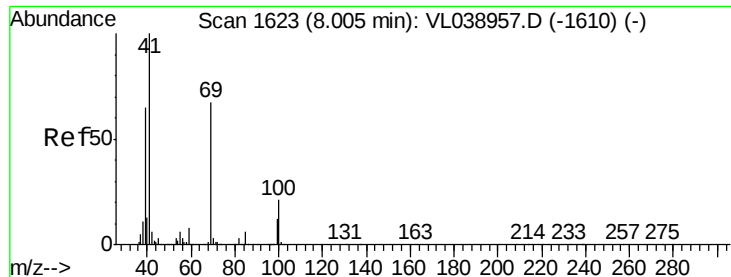
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#41
Tetrahydrofuran
Concen: 0.498 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VL038968.D
Acq: 5 May 2022 11:59

Tgt Ion: 42 Resp: 42646
Ion Ratio Lower Upper
42 100
72 57.3 31.8 47.6#
71 52.4 30.6 45.8#



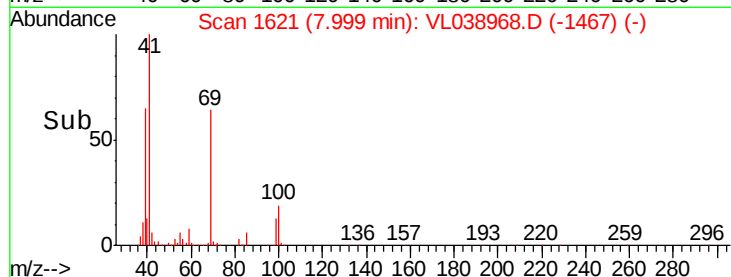
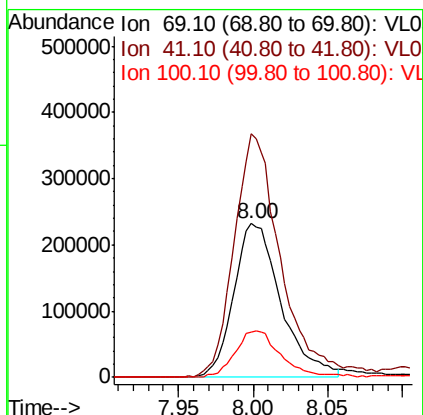
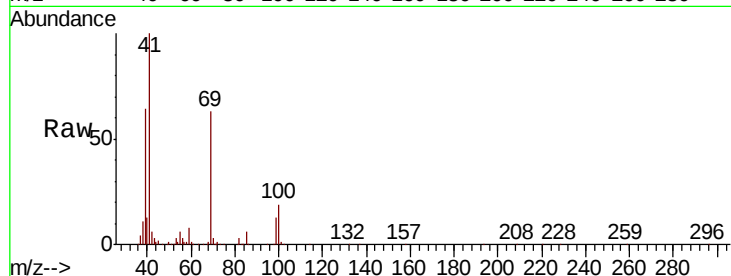


#43
Methvl Methacrlyate
Concen: 5.878 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 11:59

Tot Ion:
Ion Ratio
69 100
41 157.
100 29.

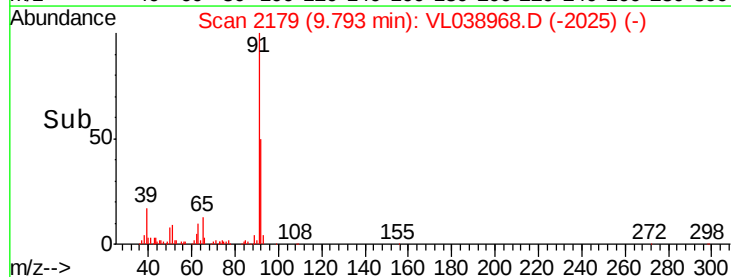
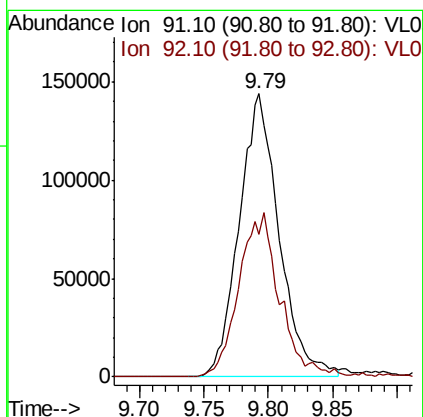
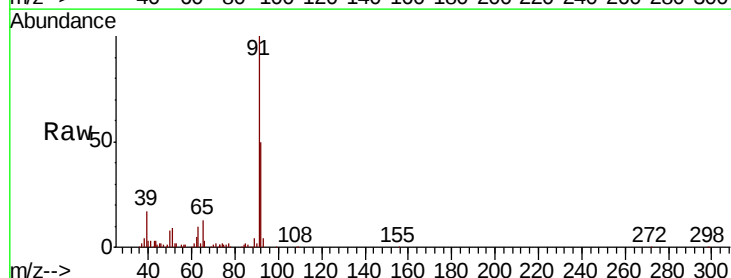
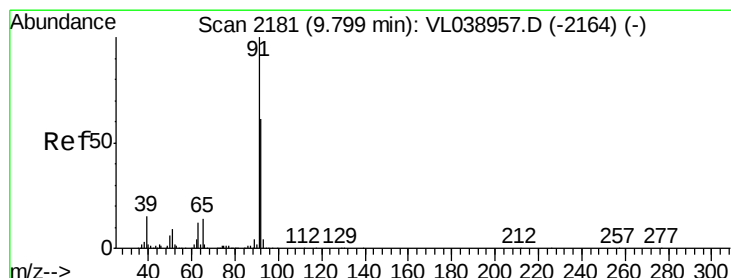
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APPROVED

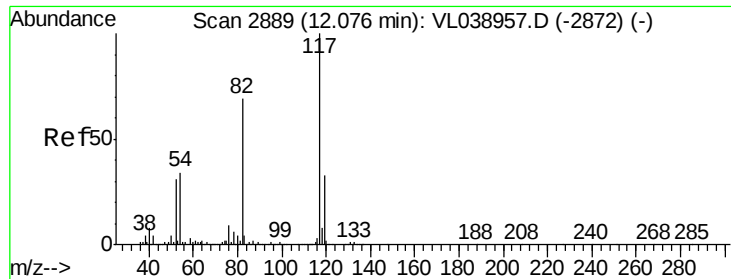
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#53
Toluene
Concen: 1.294 ppbv
RT: 9.79 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL038968.D
Acq: 5 May 2022 11:59

Tgt Ion: 91 Resp: 310157
Ion Ratio Lower Upper
91 100
92 59.9 48.2 72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

1DUP

Acq: 5 May 2022 11:59

Tot Ion:1

Ion Rati

117 100

82 72.

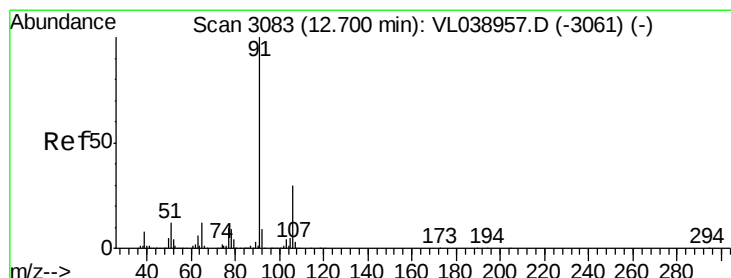
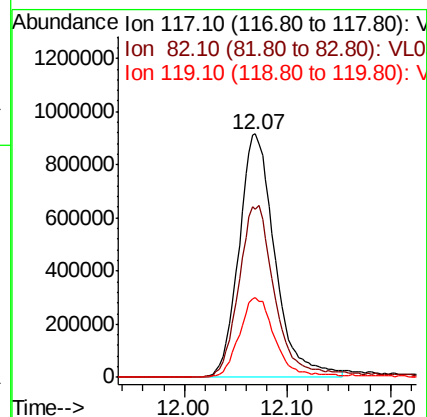
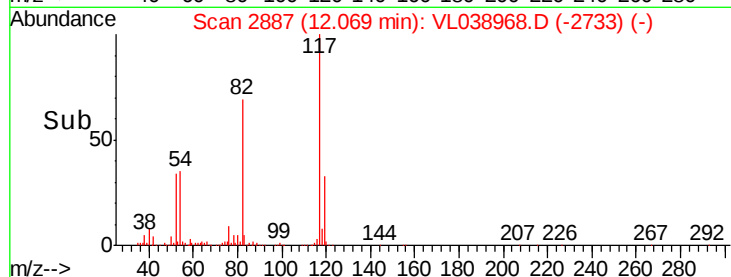
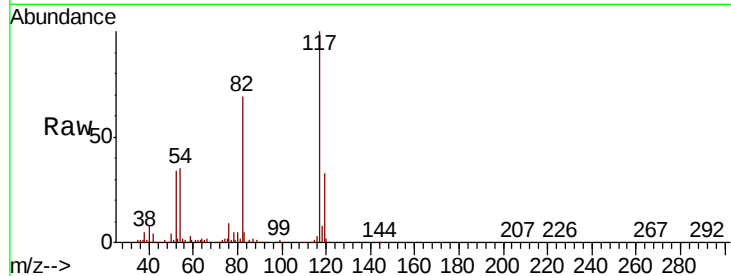
119 33.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#58

Ethyl Benzene

Concen: 0.205 ppbv m

RT: 12.70 min Scan# 3082

Delta R.T. -0.00 min

Lab File: VL038968.D

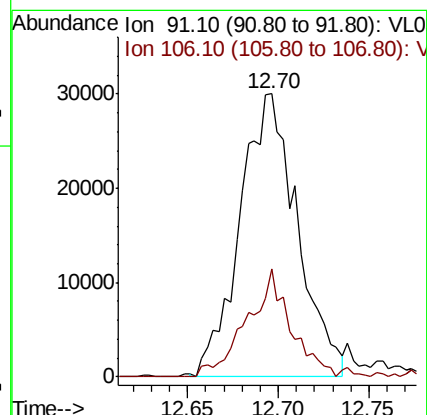
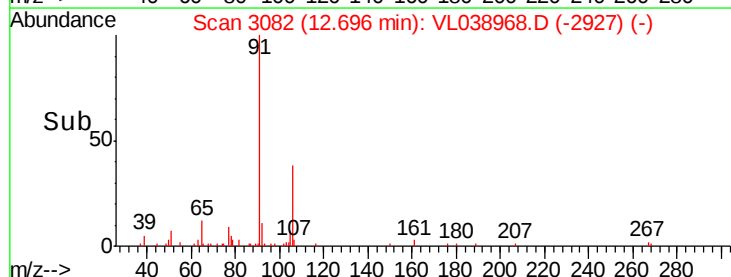
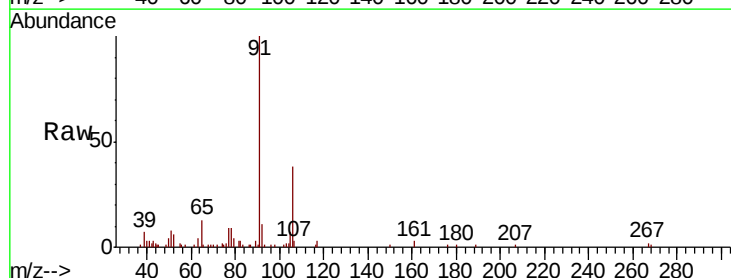
Acq: 5 May 2022 11:59

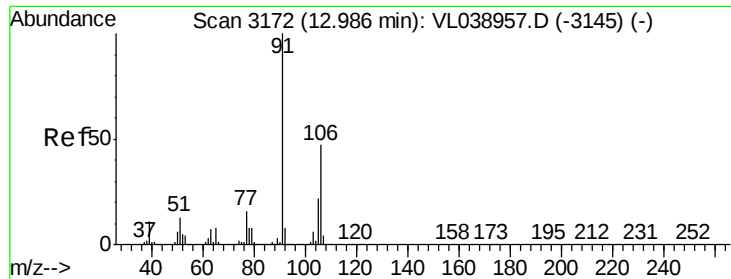
Tgt Ion: 91 Resp: 65821

Ion Ratio Lower Upper

91 100

106 38.4 24.2 36.4#



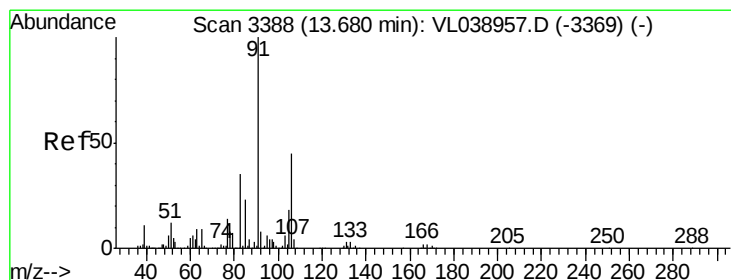
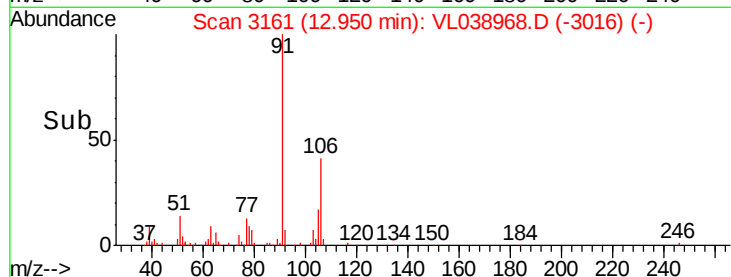
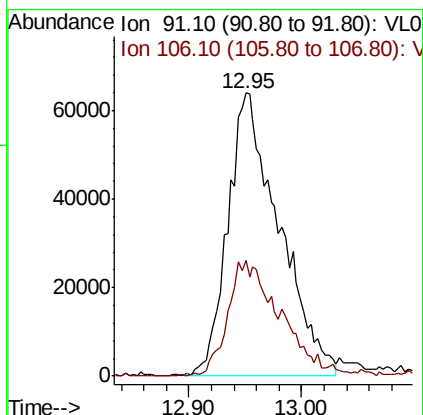
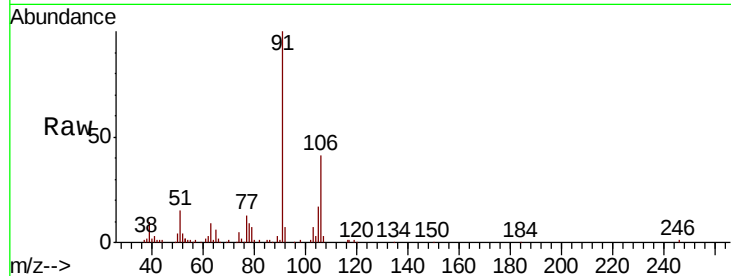


#59
m/p-Xylene
Concen: 0.738 ppbv m
RT: 12.95
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 11:59

Tot Ion:
Ion Ratio
91 100
106 42.

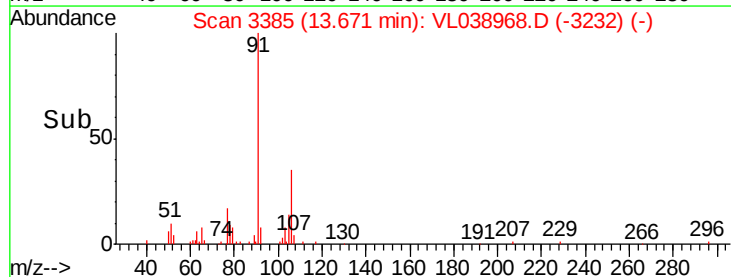
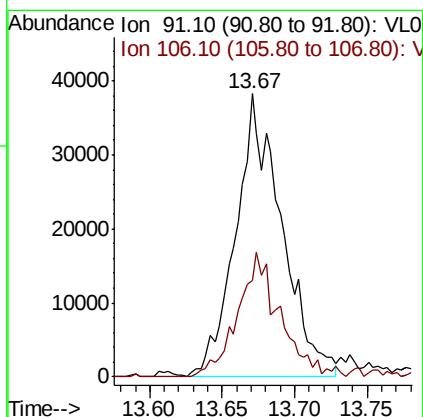
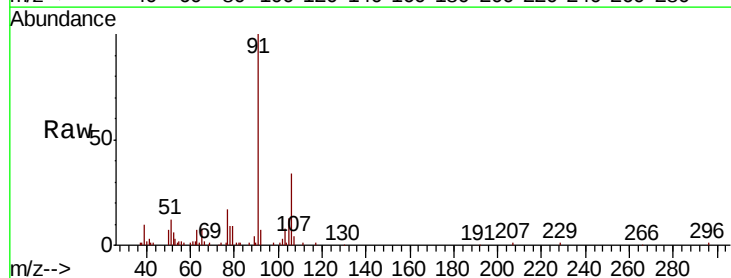
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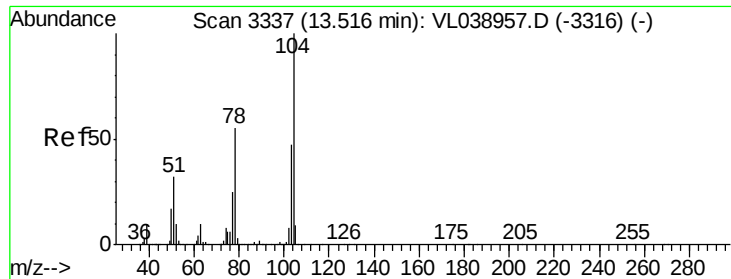
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#60
o-Xylene
Concen: 0.328 ppbv m
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL038968.D
Acq: 5 May 2022 11:59

Tgt Ion: 91 Resp: 84516
Ion Ratio Lower Upper
91 100
106 41.6 22.2 66.6



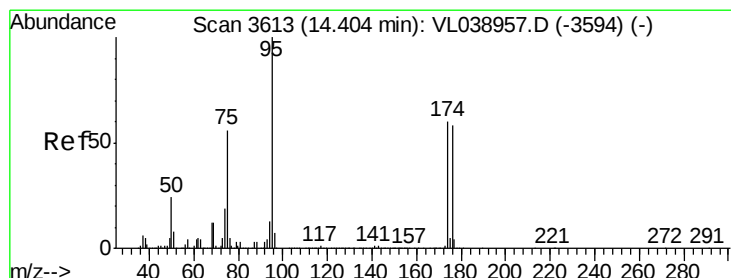
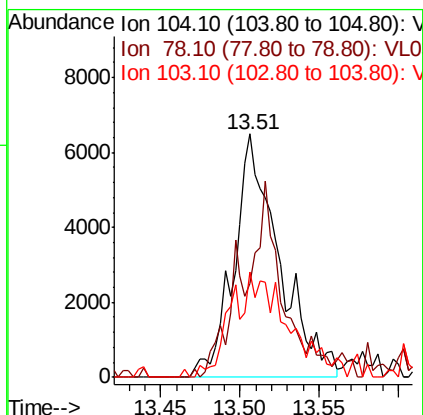
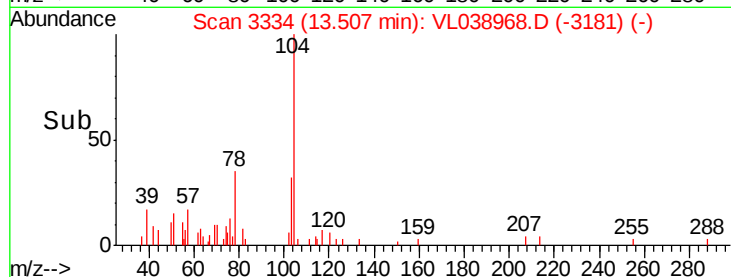
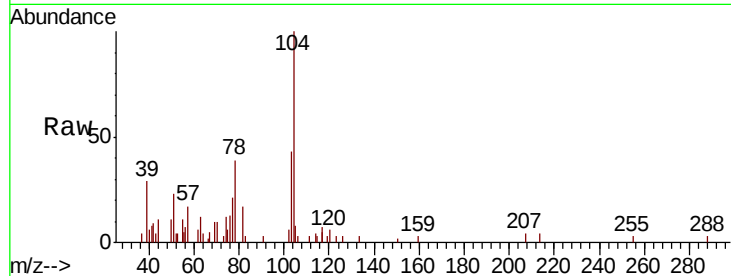


#61
Stvrene
Concen: 0.094 ppbv m
RT: 13.51
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 5 May 2022 11:59

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

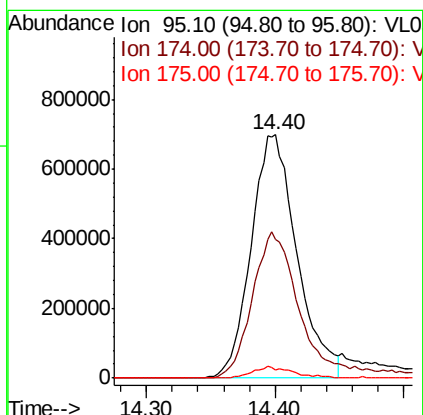
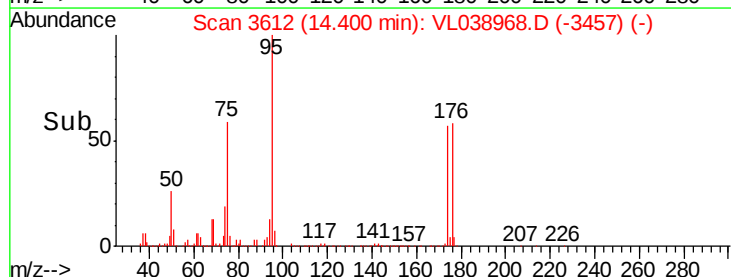
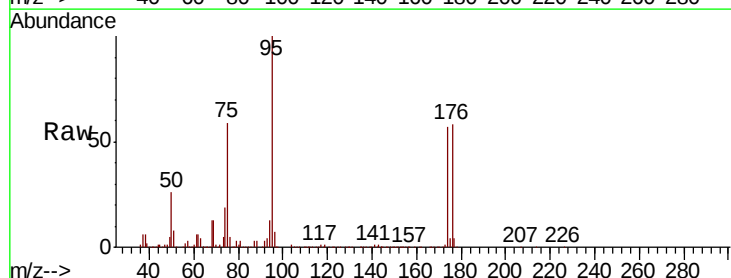
Manual Integrations
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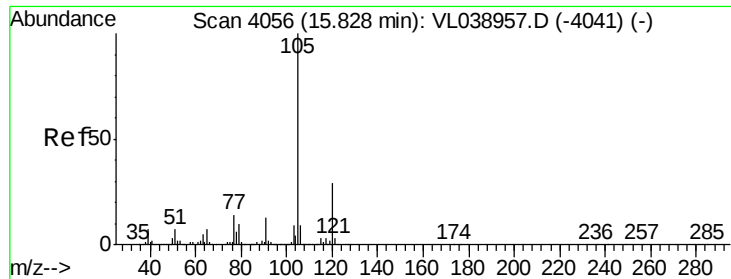
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.800 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.00 min
Lab File: VL038968.D
Acq: 5 May 2022 11:59

Tgt Ion: 95 Resp: 1729498
Ion Ratio Lower Upper
95 100
174 66.5 50.8 76.2
175 4.6 3.8 5.6



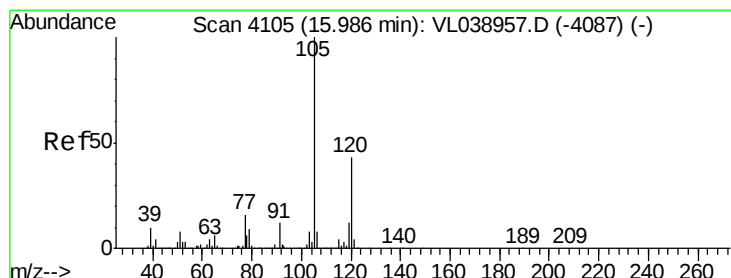
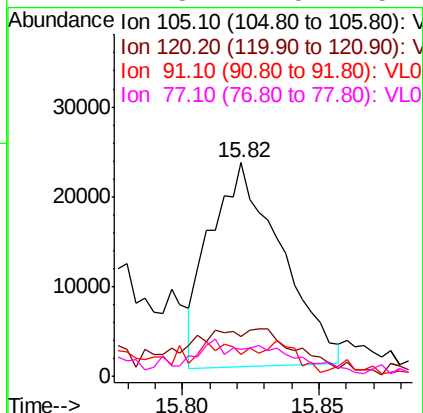
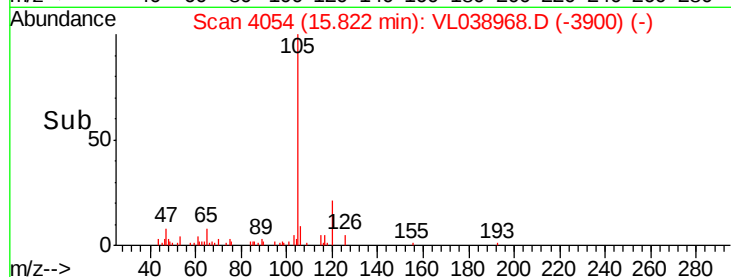
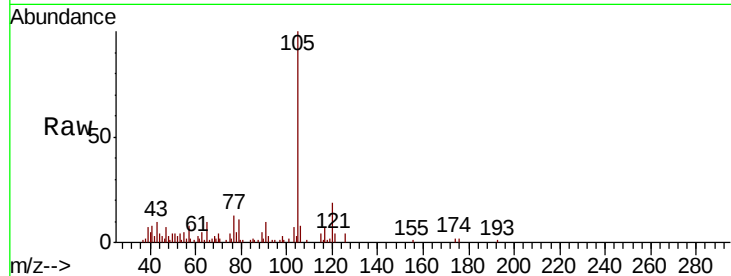


#72
4-Ethyltoluene
Concen: 0.139 ppbv
RT: 15.82 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 11:59

Tot Ion:1
Ion Rati
105 100
120 44.
91 20.
77 27.8 12.5 18.7#

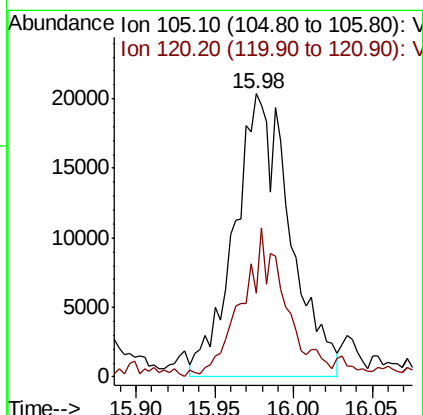
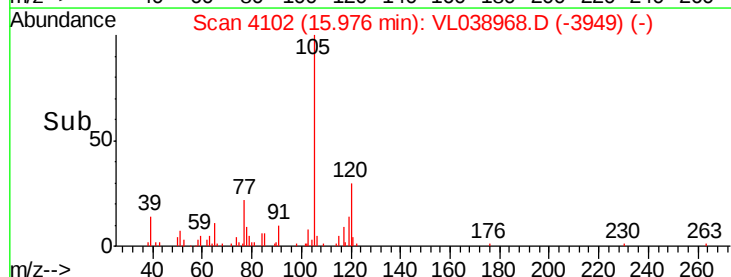
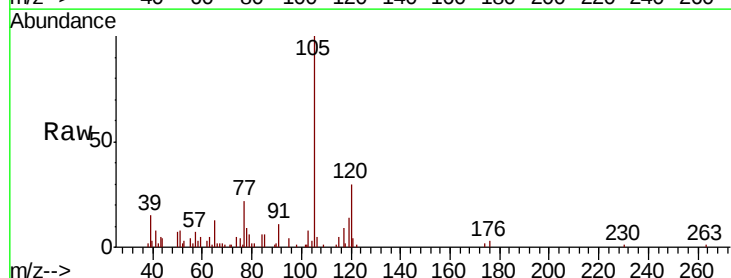
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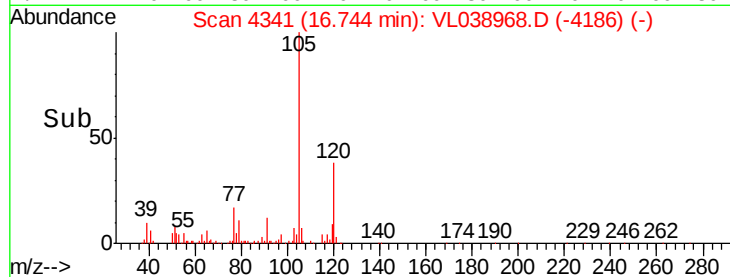
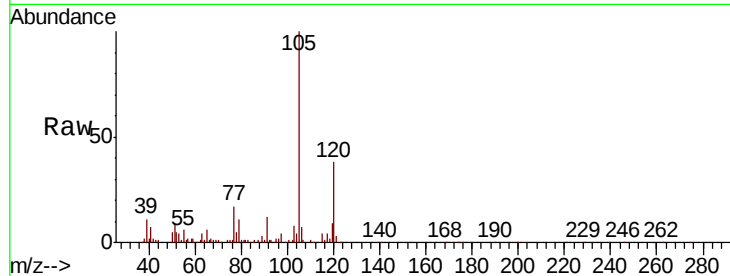
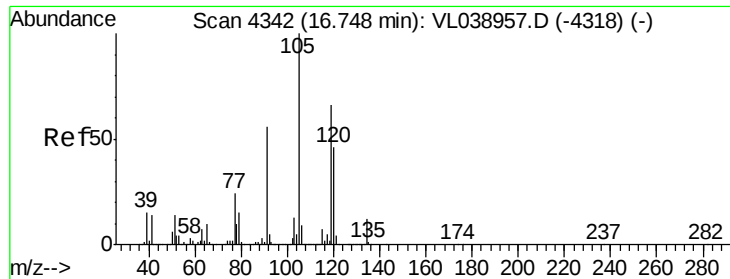
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.191 ppbv m
RT: 15.98 min Scan# 4102
Delta R.T. -0.01 min
Lab File: VL038968.D
Acq: 5 May 2022 11:59

Tgt Ion:105 Resp: 50471
Ion Ratio Lower Upper
105 100
120 29.6 34.4 51.6#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.593 ppbv
 RT: 16.74
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 1DUP
 Acq: 5 May 2022 11:39

Tot Ion:1
 Ion Rati
 105 100
 120 37.
 91 11.
 77 17.0 19.2 28.8#

Manual Integrations
 APPROVED

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

