

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
 Data File : VL039174.D
 Acq On : 4 Jun 2022 11:54
 Operator : SY/AP
 Sample : N3106-04 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2022
 Supervised By :Mahesh Dadoda 06/06/2022

Quant Time: Jun 06 00:44:33 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 06 00:44:33 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	1243459	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	3182318	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	2982308	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2442381	9.906	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.060	85	39146	0.179	ppbv	95
3) Chlorodifluoromethane	2.980	51	23661m	0.150	ppbv	
4) Chloromethane	3.150	50	9760m	0.120	ppbv	
7) Chloroethane	3.565	64	4615m	0.174	ppbv	
9) Propene	3.025	41	72945m	1.057	ppbv	
10) Heptane	8.127	43	218487	1.358	ppbv	98
11) Trichlorofluoromethane	3.954	101	24095m	0.122	ppbv	
13) Ethanol	3.629	45	12280m	3.264	ppbv	
15) Acetone	3.857	43	1043576	8.057	ppbv #	88
17) tert-Butyl alcohol	4.301	59	12121m	0.121	ppbv	
20) Methylene Chloride	4.356	84	68296m	1.251	ppbv	
23) Vinyl Acetate	5.079	43	1553026	14.491	ppbv	98
26) Hexane	5.697	57	1569177	12.231	ppbv #	24
28) Methyl tert-Butyl Ether	5.050	73	47844m	0.338	ppbv	
34) 2-Butanone	5.250	43	683600m	3.954	ppbv	
36) Benzene	6.899	78	31425m	0.122	ppbv	
51) 2-Hexanone	10.137	43	542080	2.692	ppbv #	99
52) Tetrachloroethene	11.220	164	9589m	0.095	ppbv	
53) Toluene	9.809	91	63494m	0.213	ppbv	
59) m/p-Xylene	12.966	91	61224m	0.169	ppbv	
74) 1,2,4-Trimethylbenzene	16.767	105	94242m	0.235	ppbv	

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

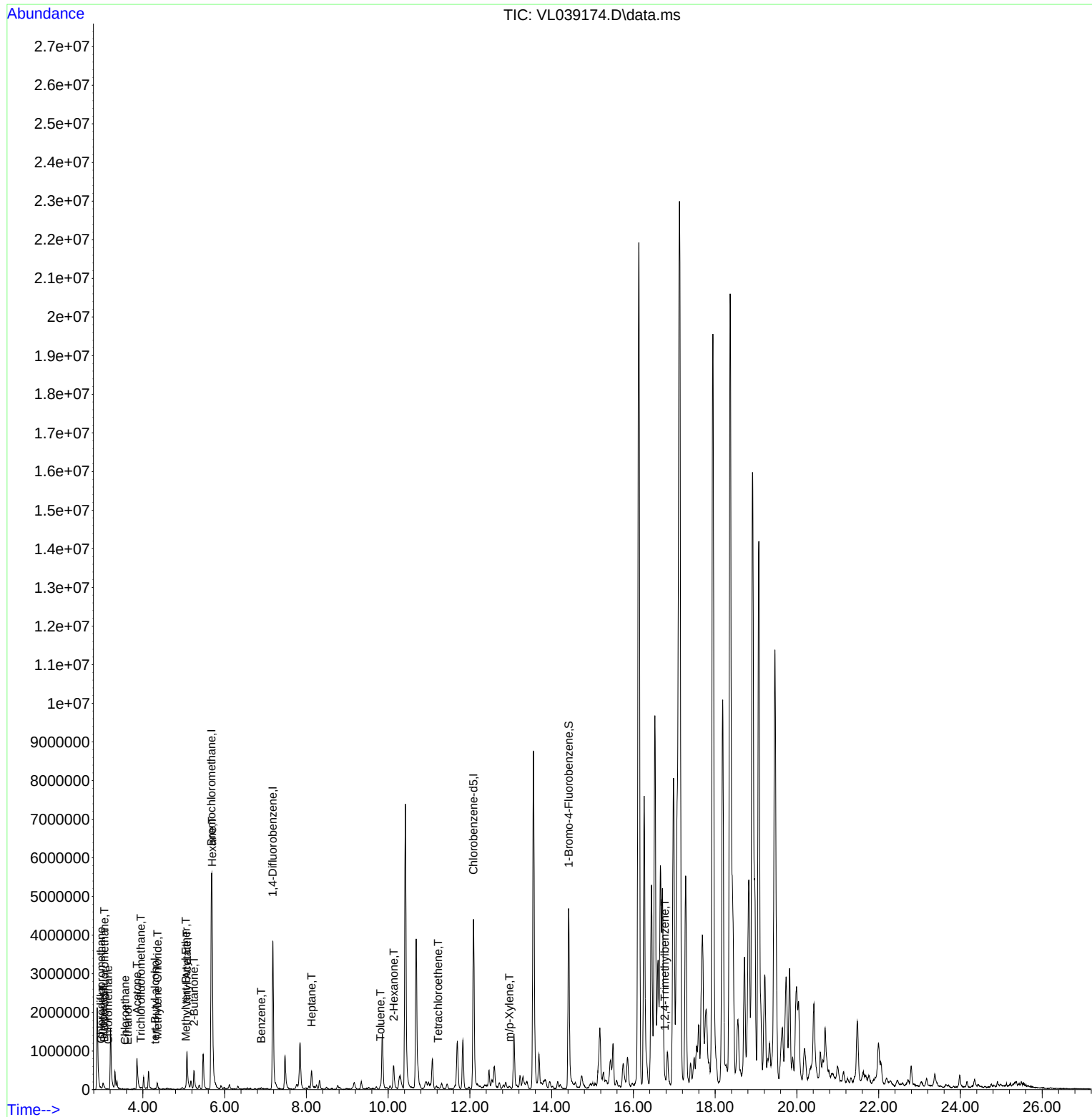
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
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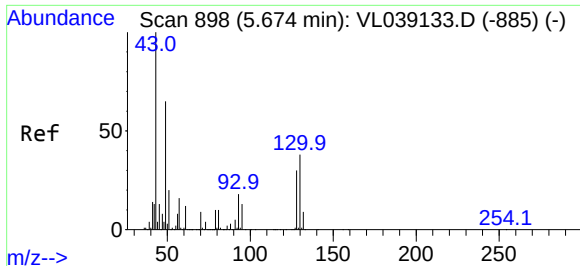
Instrument :
MSVOA_L
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SV4

Quant Time: Jun 06 00:44:33 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
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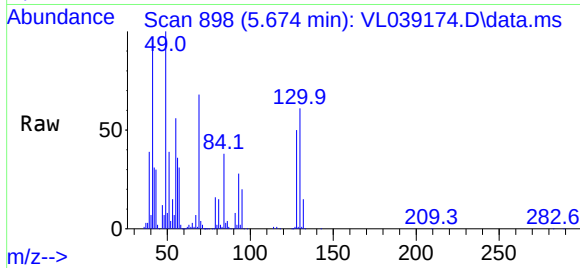
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.000 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

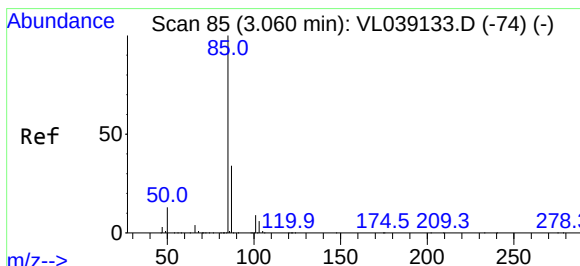
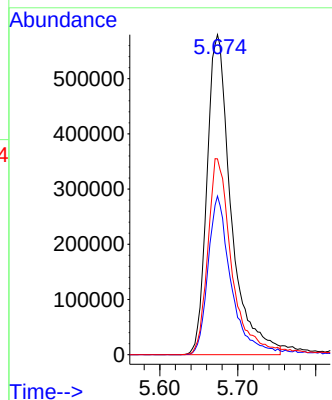
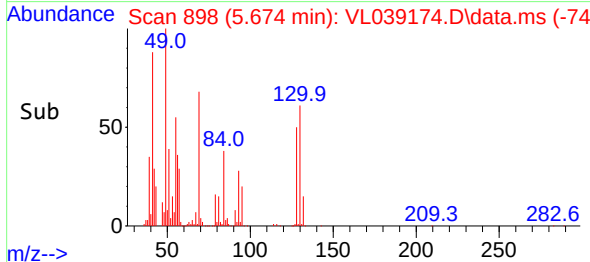
Instrument :
MSVOA_L
ClientSampleId :
SV4



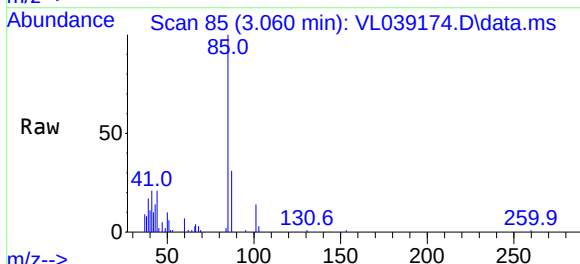
Tgt Ion: 49 Resp: 124345
Ion Ratio Lower Upper
49 100
128 48.9 24.7 74.1
130 63.5 31.4 94.0

Manual Integrations
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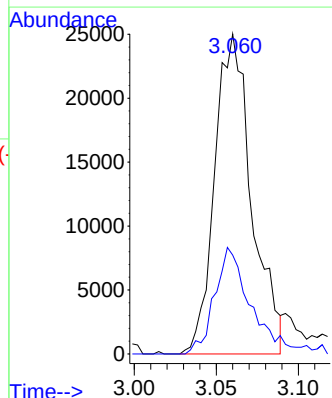
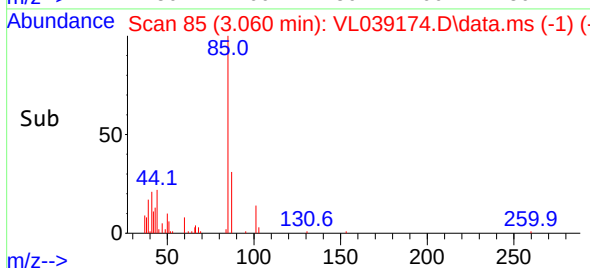
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

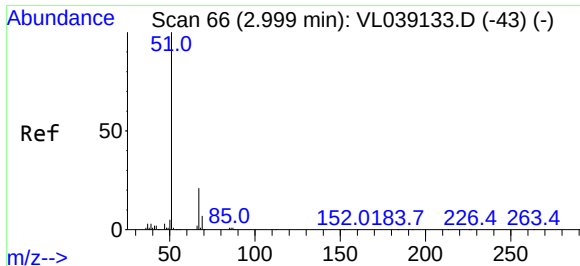


#2
Dichlorodifluoromethane
Concen: 0.179 ppbv
RT: 3.060 min Scan# 85
Delta R.T. -0.000 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54



Tgt Ion: 85 Resp: 39146
Ion Ratio Lower Upper
85 100
87 30.9 26.9 40.3





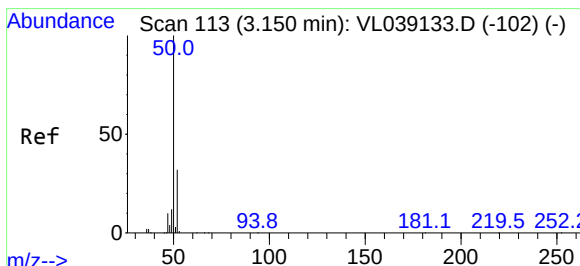
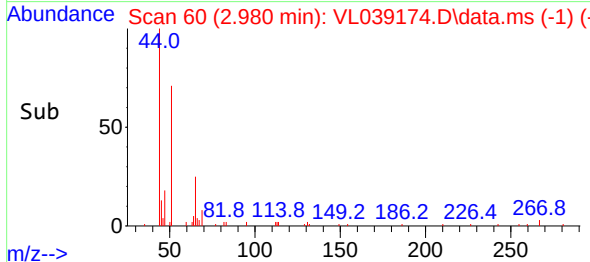
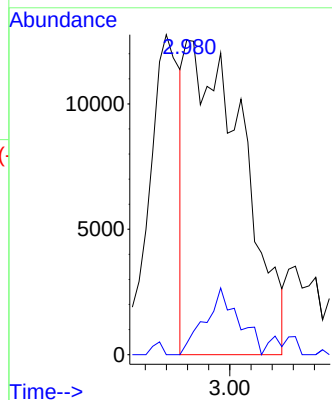
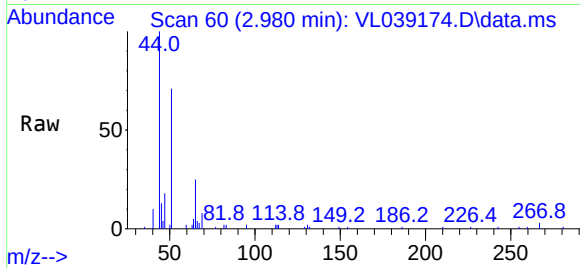
#3
Chlorodifluoromethane
Concen: 0.150 ppbv m
RT: 2.980 min Scan# 60
Delta R.T. -0.019 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 51 Resp: 2366
Ion Ratio Lower Upper
51 100
67 0.0 16.2 24.4

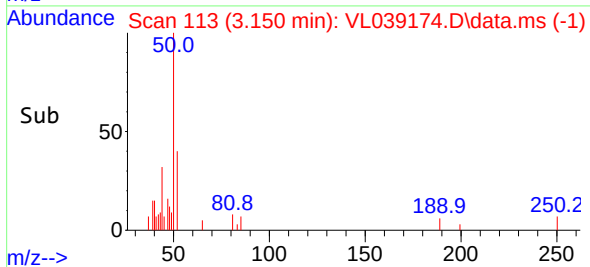
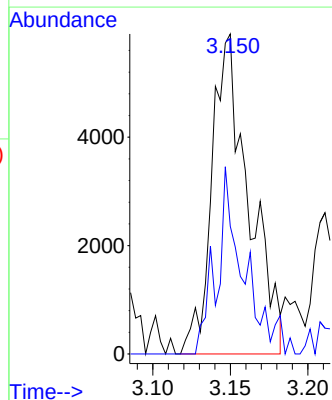
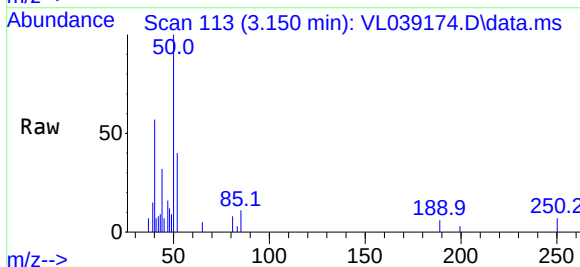
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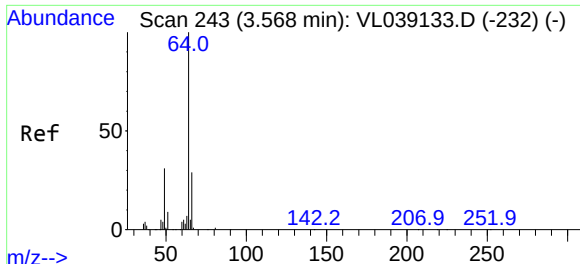
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#4
Chloromethane
Concen: 0.120 ppbv m
RT: 3.150 min Scan# 113
Delta R.T. -0.000 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

Tgt Ion: 50 Resp: 9760
Ion Ratio Lower Upper
50 100
52 39.9 25.9 38.9





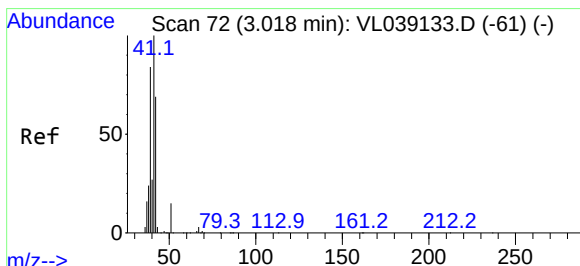
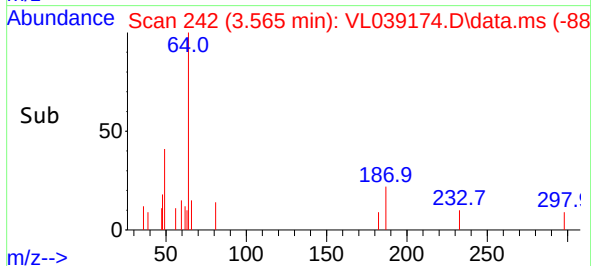
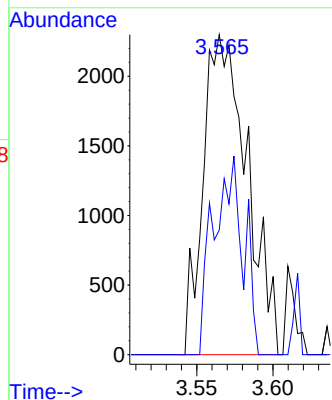
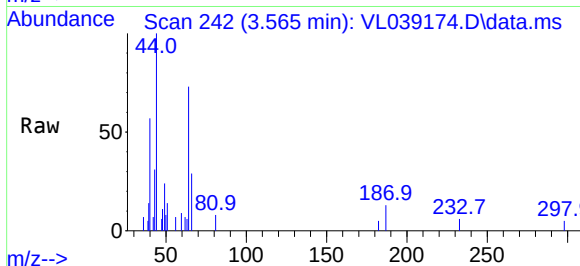
#7
Chloroethane
Concen: 0.174 ppbv m
RT: 3.565 min Scan# 243
Delta R.T. -0.003 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 64 Resp: 4615
Ion Ratio Lower Upper
64 100
66 38.9 23.6 35.4

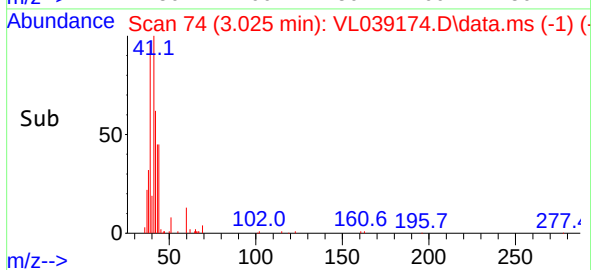
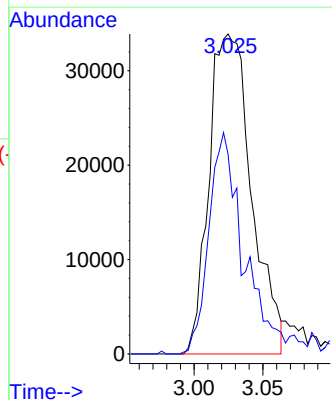
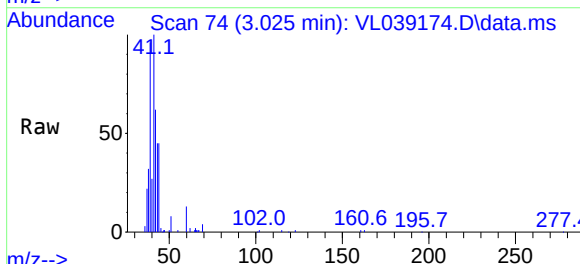
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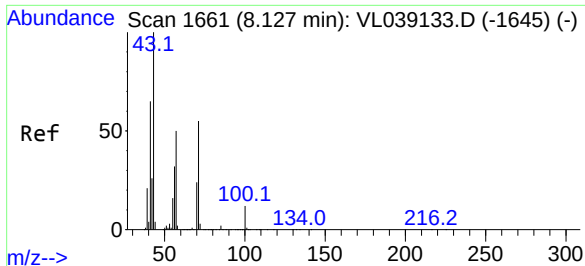
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#9
Propene
Concen: 1.057 ppbv m
RT: 3.025 min Scan# 74
Delta R.T. 0.006 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

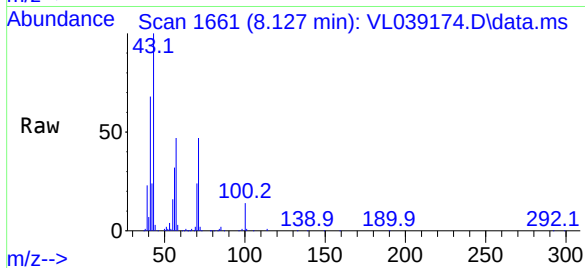
Tgt Ion: 41 Resp: 72945
Ion Ratio Lower Upper
41 100
42 0.0 55.4 83.2





#10
Heptane
Concen: 1.358 ppbv
RT: 8.127 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

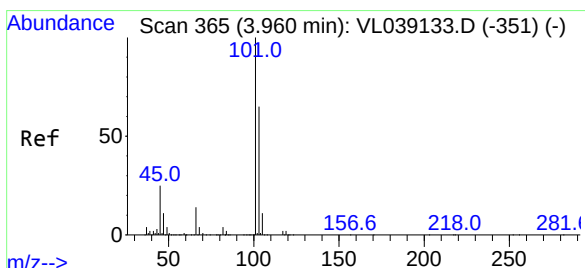
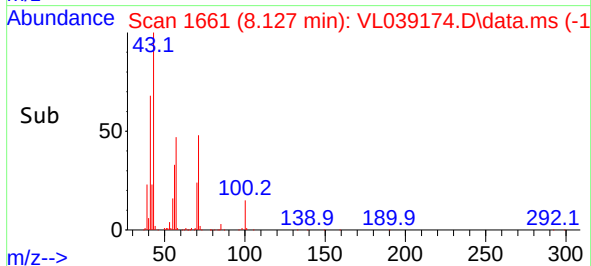
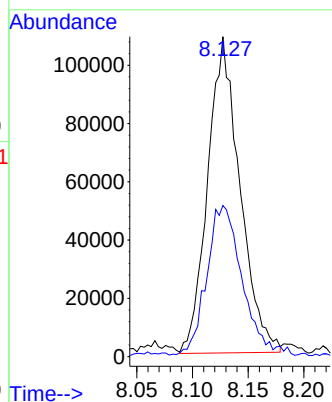
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 43 Resp: 21848
Ion Ratio Lower Upper
43 100
57 53.1 41.4 62.2

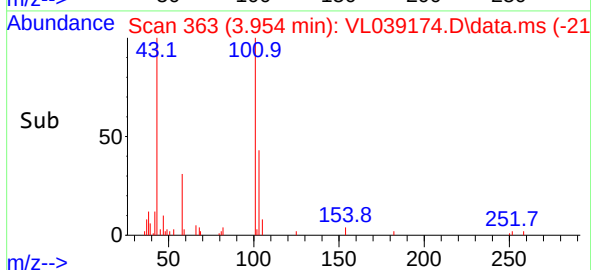
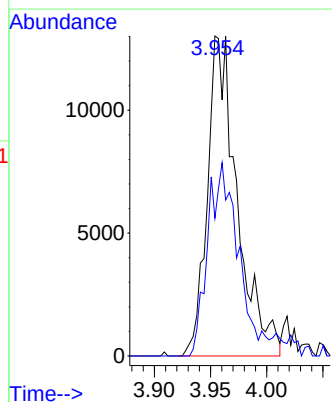
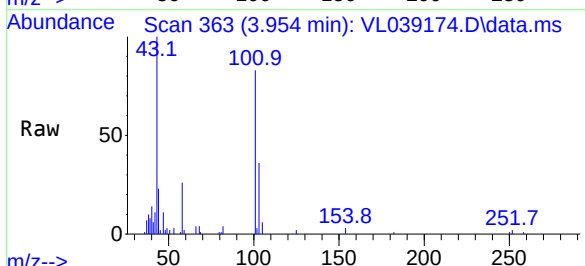
Manual Integrations
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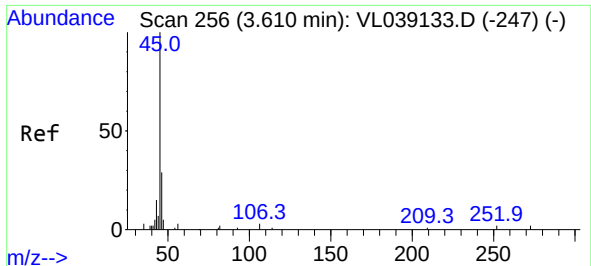
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#11
Trichlorofluoromethane
Concen: 0.122 ppbv m
RT: 3.954 min Scan# 363
Delta R.T. -0.007 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

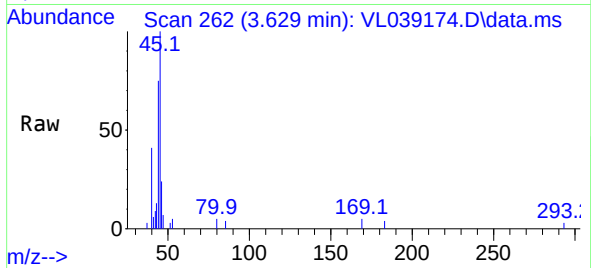
Tgt Ion:101 Resp: 24095
Ion Ratio Lower Upper
101 100
103 43.1 51.7 77.5#





#13
Ethanol
Concen: 3.264 ppbv m
RT: 3.629 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

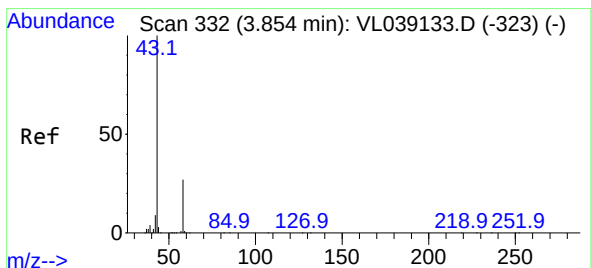
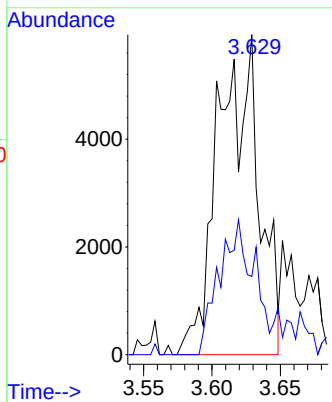
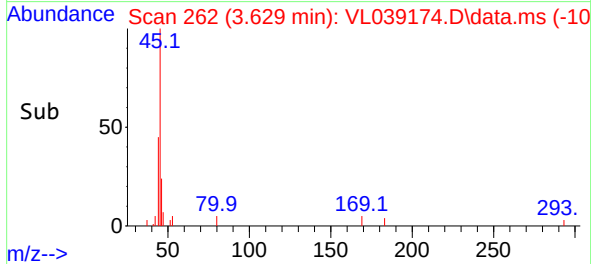
Instrument :
MSVOA_L
ClientSampleId :
SV4



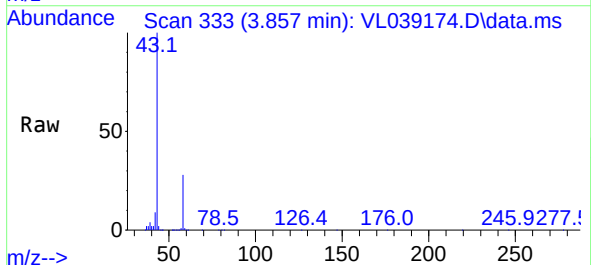
Tgt Ion: 45 Resp: 12280
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0

Manual Integrations
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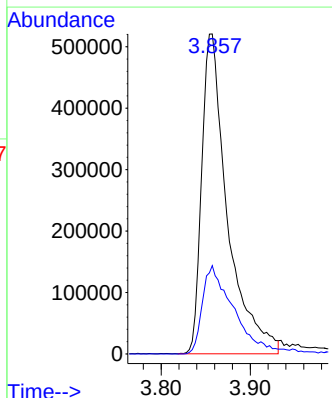
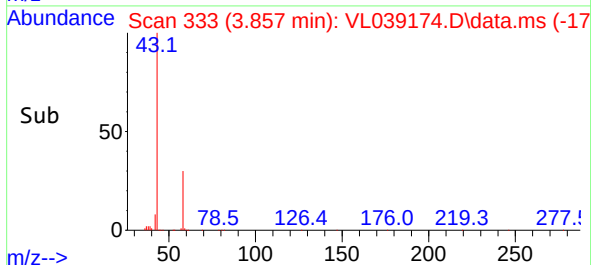
Reviewed By :Semsettin Yesilyurt 06/06/2022
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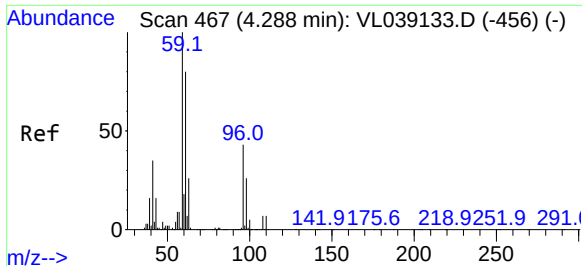


#15
Acetone
Concen: 8.057 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.003 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54



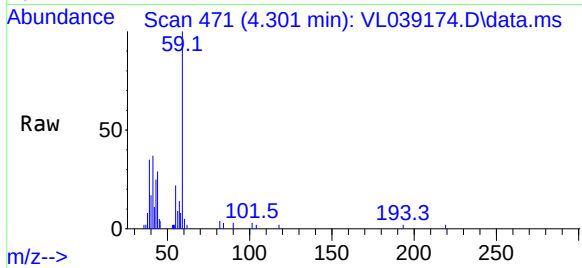
Tgt Ion: 43 Resp: 1043576
Ion Ratio Lower Upper
43 100
58 34.6 22.5 33.7#





#17
tert-Butyl alcohol
Concen: 0.121 ppbv m
RT: 4.301 min Scan# 471
Delta R.T. 0.013 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

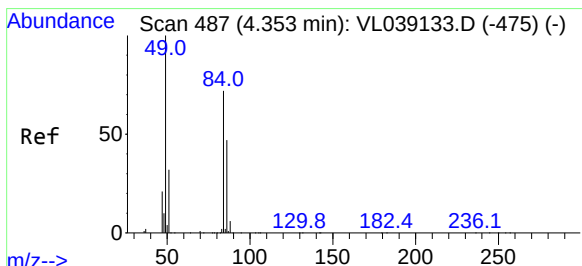
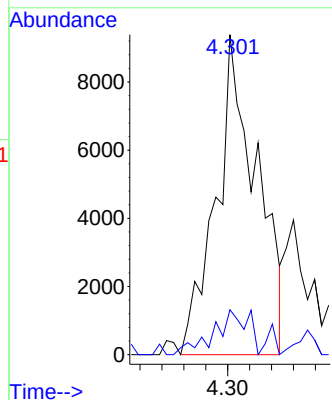
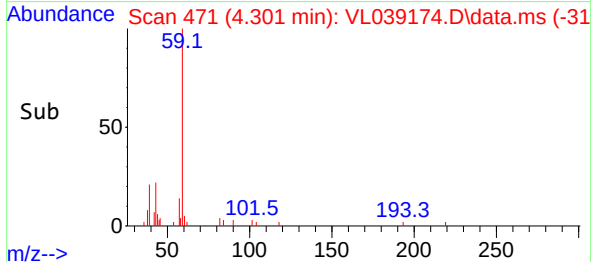
Instrument :
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SV4



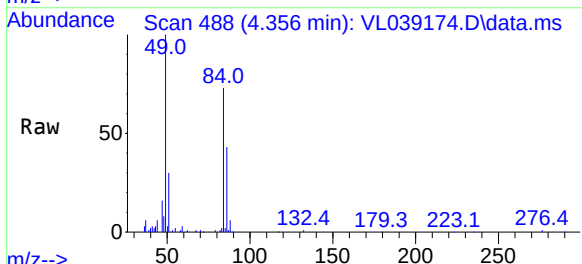
Tgt Ion: 59 Resp: 1212
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7

Manual Integrations
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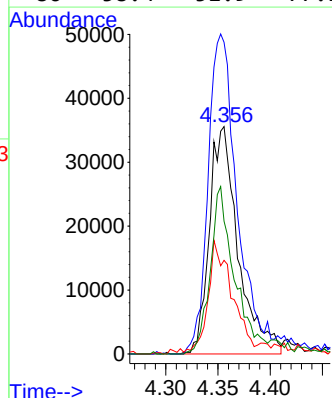
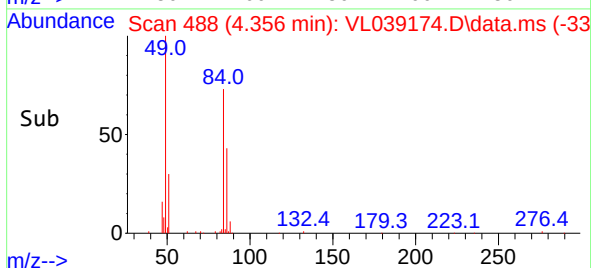
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

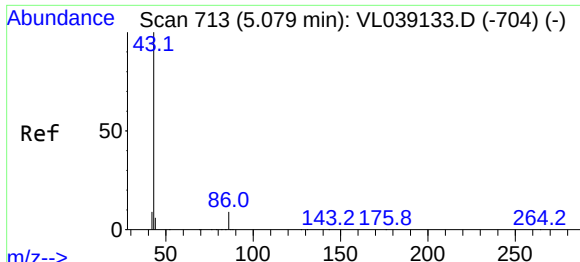


#20
Methylene Chloride
Concen: 1.251 ppbv m
RT: 4.356 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54



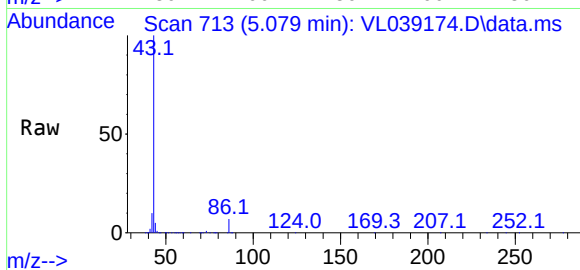
Tgt Ion: 84 Resp: 68296
Ion Ratio Lower Upper
84 100
49 137.1 111.1 166.7
51 41.2 35.3 52.9
86 58.4 51.9 77.9





#23
 Vinyl Acetate
 Concen: 14.491 ppbv
 RT: 5.079 min Scan# 713
 Delta R.T. -0.000 min
 Lab File: VL039174.D
 Acq: 4 Jun 2022 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

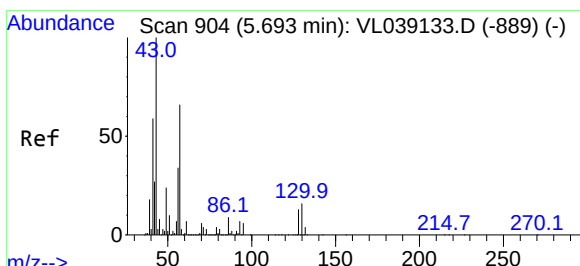
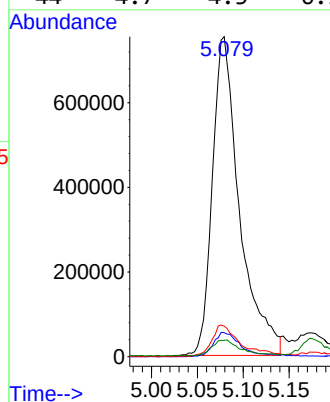
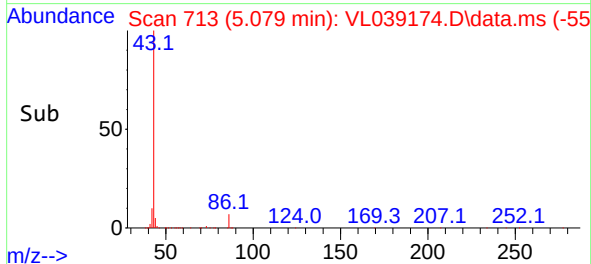


Tgt Ion: 43 Resp: 155302

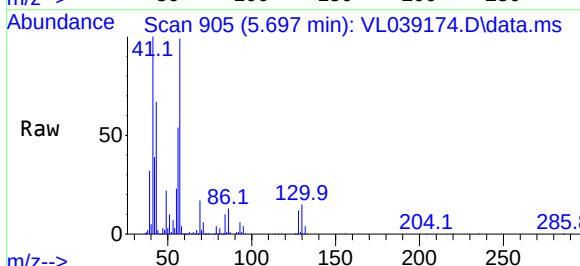
Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0
42	9.4	8.2	12.4
44	4.7	4.3	6.5

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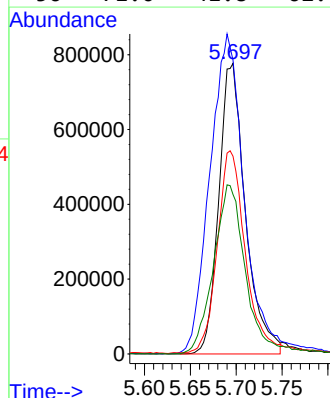
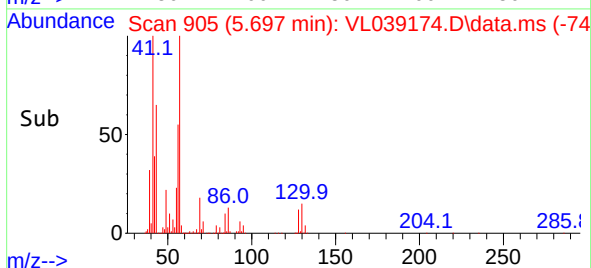


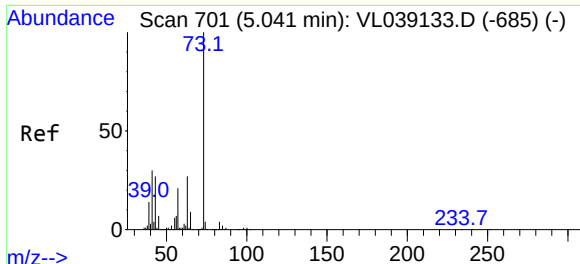
#26
 Hexane
 Concen: 12.231 ppbv
 RT: 5.697 min Scan# 905
 Delta R.T. 0.003 min
 Lab File: VL039174.D
 Acq: 4 Jun 2022 11:54



Tgt Ion: 57 Resp: 1569177

Ion	Ratio	Lower	Upper
57	100		
41	143.8	72.4	108.6#
43	75.8	187.0	280.6#
56	71.0	41.8	62.6#





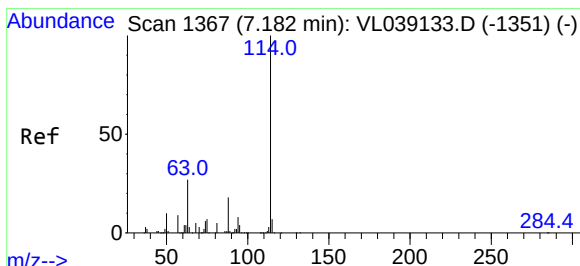
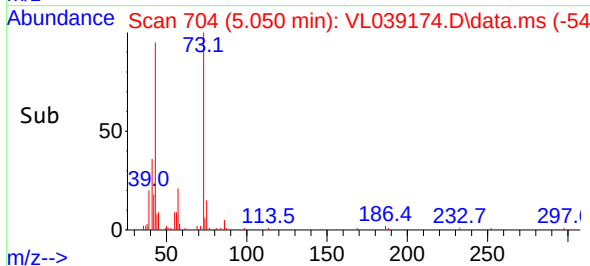
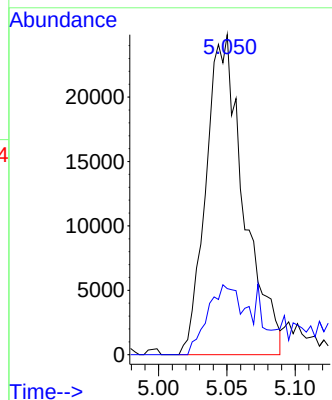
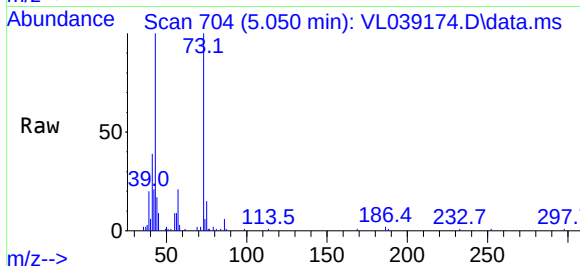
#28
Methyl tert-Butyl Ether
Concen: 0.338 ppbv m
RT: 5.050 min Scan# 701
Delta R.T. 0.010 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 73 Resp: 4784
Ion Ratio Lower Upper
73 100
57 0.0 18.6 27.8

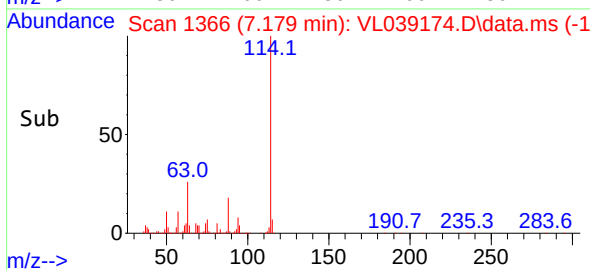
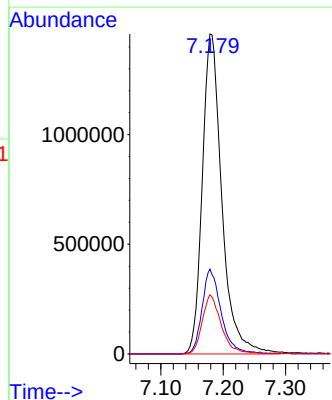
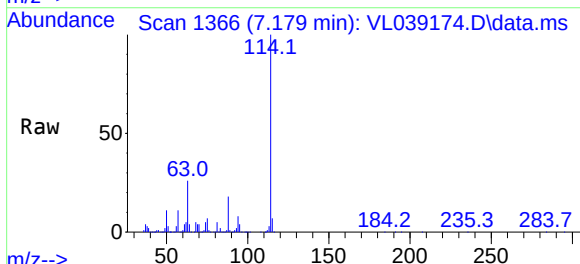
Manual Integrations
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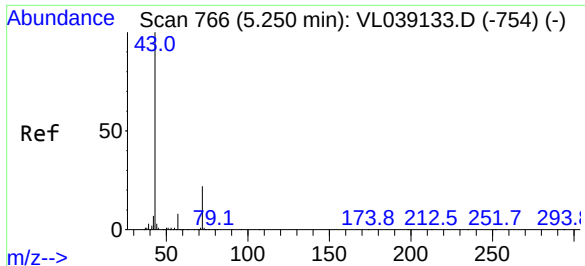
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. -0.003 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

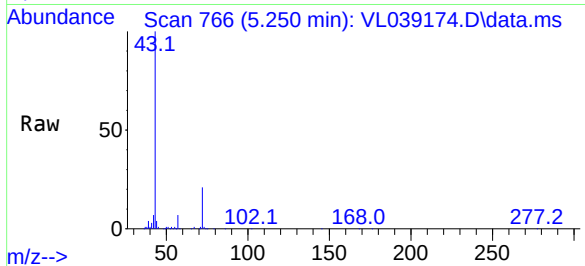
Tgt Ion:114 Resp: 3182318
Ion Ratio Lower Upper
114 100
63 26.1 21.7 32.5
88 18.1 14.8 22.2





#34
2-Butanone
Concen: 3.954 ppbv m
RT: 5.250 min Scan# 766
Delta R.T. -0.000 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

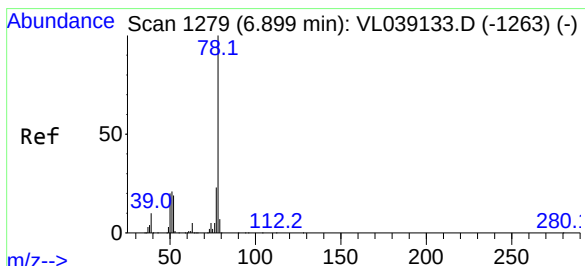
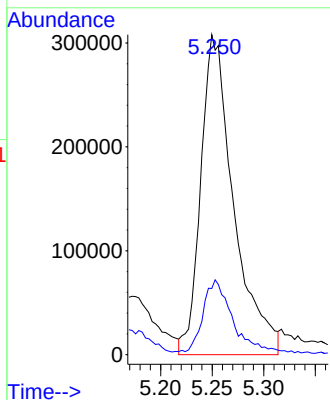
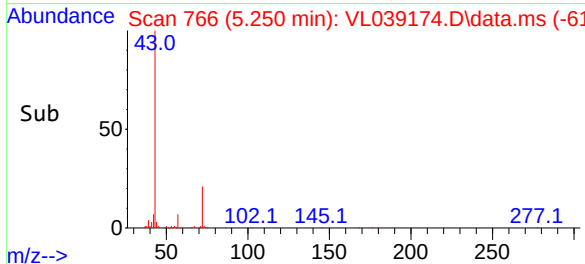
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 43 Resp: 683600
Ion Ratio Lower Upper
43 100
72 21.4 18.2 27.2

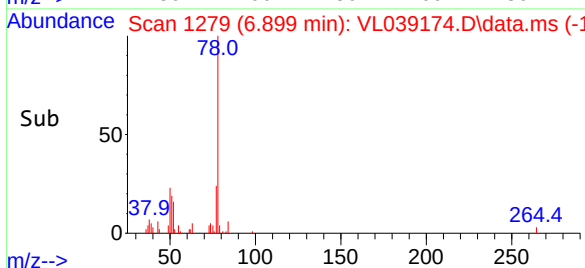
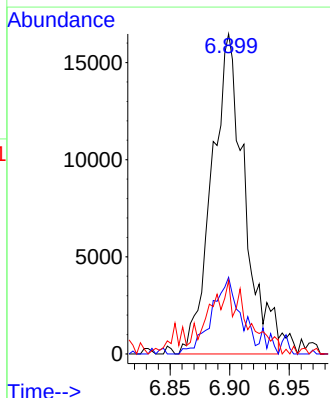
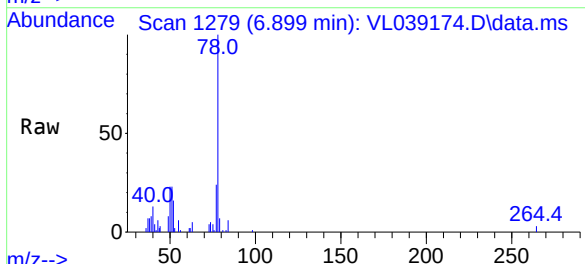
Manual Integrations
APPROVED

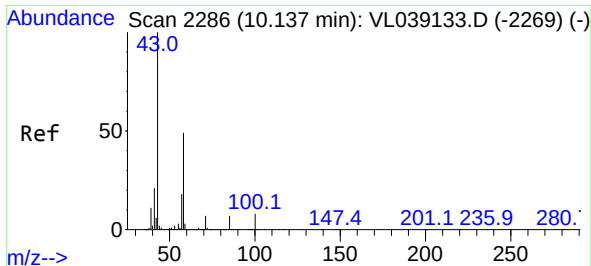
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#36
Benzene
Concen: 0.122 ppbv m
RT: 6.899 min Scan# 1279
Delta R.T. -0.000 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

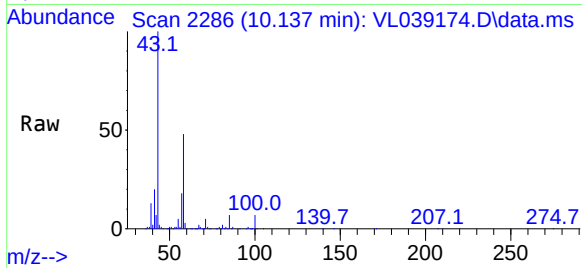
Tgt Ion: 78 Resp: 31425
Ion Ratio Lower Upper
78 100
77 23.9 18.6 27.8
50 22.9 15.8 23.8





#51
2-Hexanone
Concen: 2.692 ppbv
RT: 10.137 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

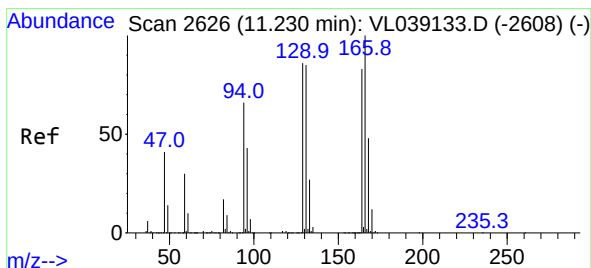
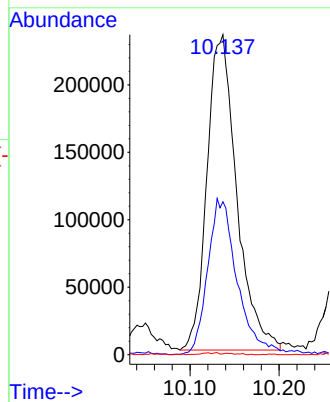
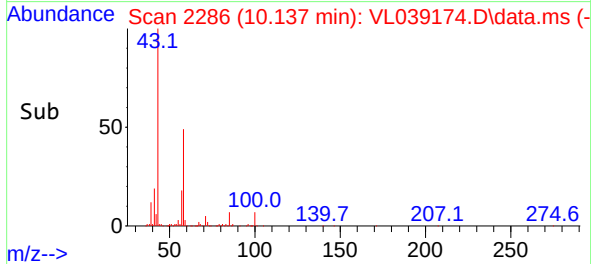
Instrument :
MSVOA_L
ClientSampleId :
SV4



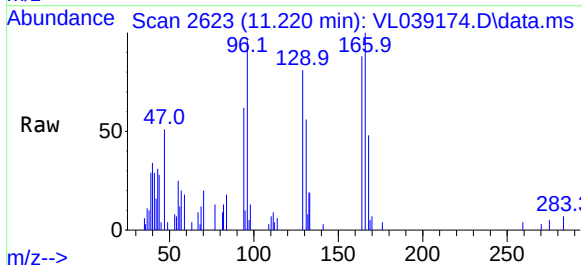
Tgt Ion: 43 Resp: 542080
Ion Ratio Lower Upper
43 100
58 49.3 40.0 60.0
98 0.6 0.1 0.1

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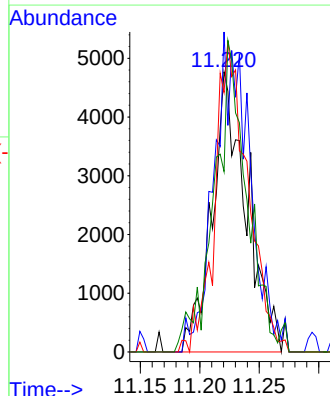
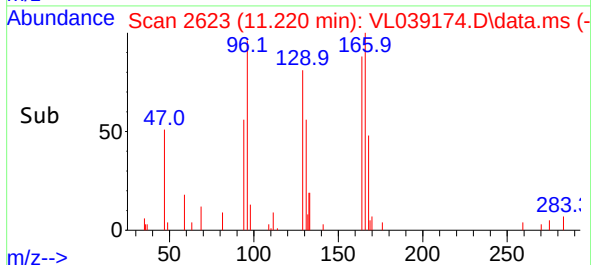
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

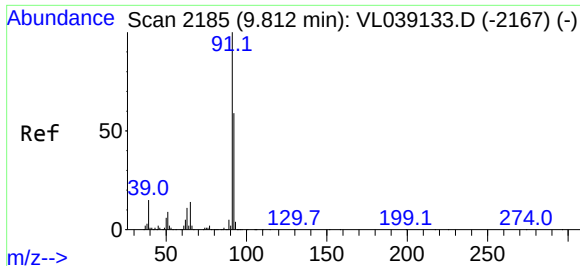


#52
Tetrachloroethene
Concen: 0.095 ppbv m
RT: 11.220 min Scan# 2623
Delta R.T. -0.010 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54



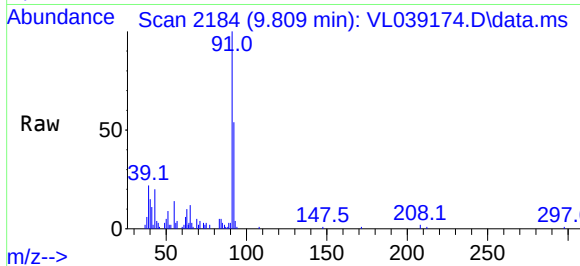
Tgt Ion:164 Resp: 9589
Ion Ratio Lower Upper
164 100
166 114.2 96.3 144.5
129 92.6 82.5 123.7
131 64.4 82.1 123.1





#53
Toluene
Concen: 0.213 ppbv m
RT: 9.809 min Scan# 2185
Delta R.T. -0.003 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

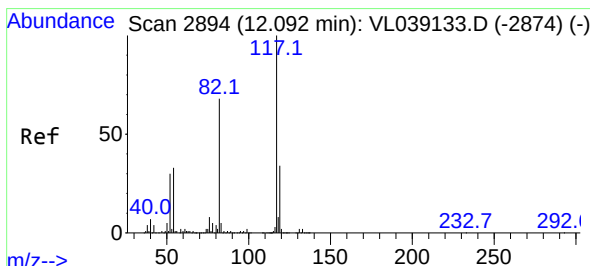
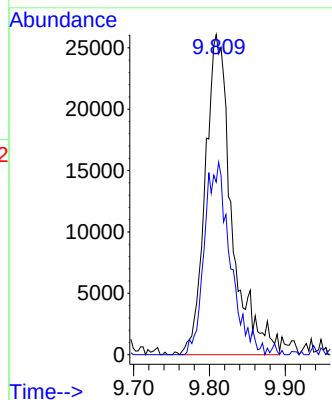
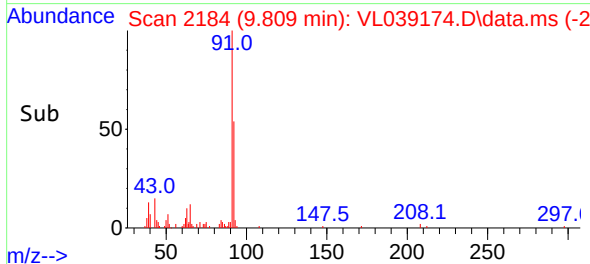
Instrument :
MSVOA_L
ClientSampleId :
SV4



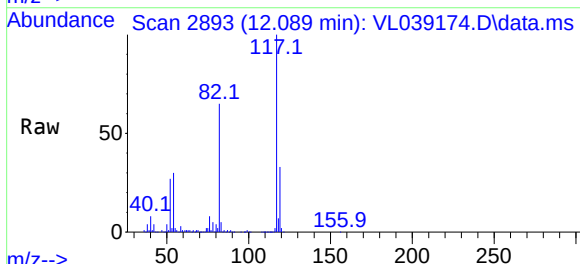
Tgt Ion: 91 Resp: 63494
Ion Ratio Lower Upper
91 100
92 59.3 48.1 72.1

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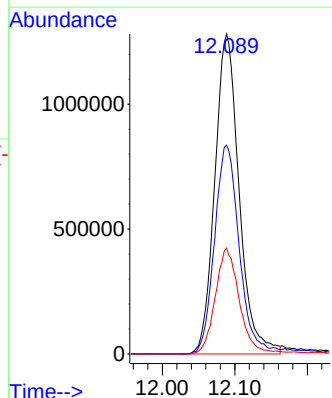
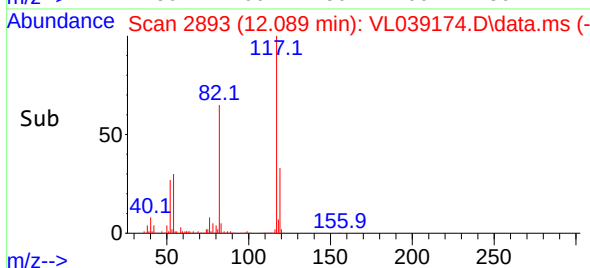
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

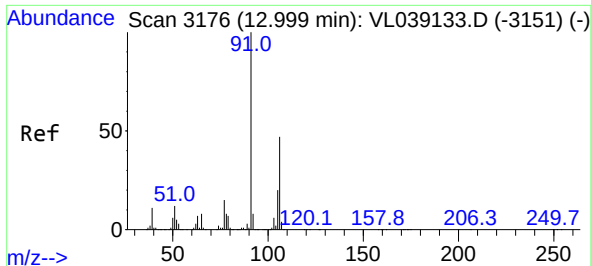


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. -0.003 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54



Tgt Ion:117 Resp: 2982308
Ion Ratio Lower Upper
117 100
82 69.1 55.1 82.7
119 33.8 24.7 37.1





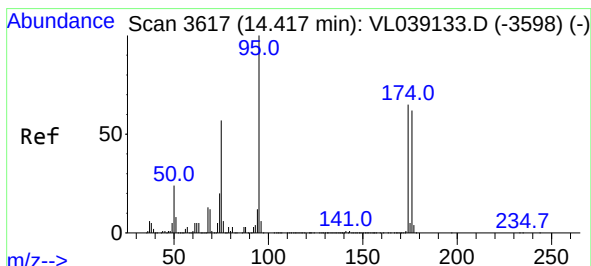
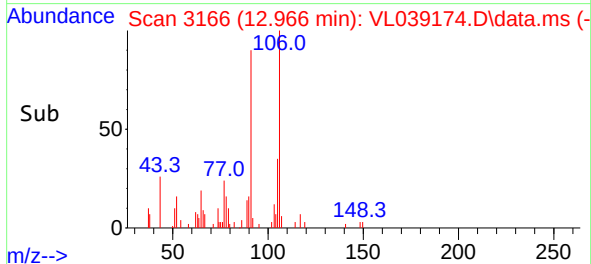
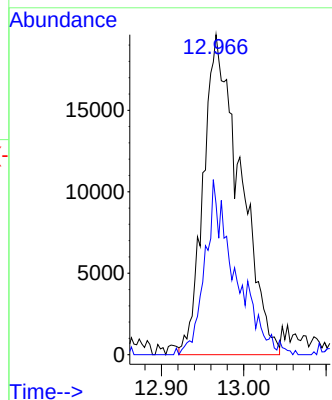
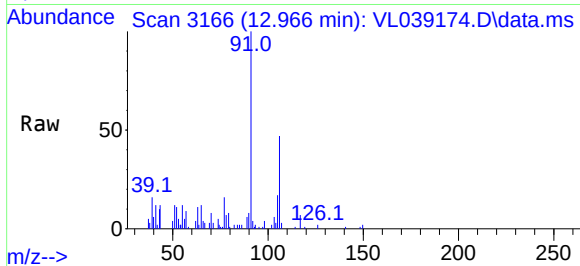
#59
m/p-Xylene
Concen: 0.169 ppbv m
RT: 12.966 min Scan# 3176
Delta R.T. -0.032 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 91 Resp: 61224
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5

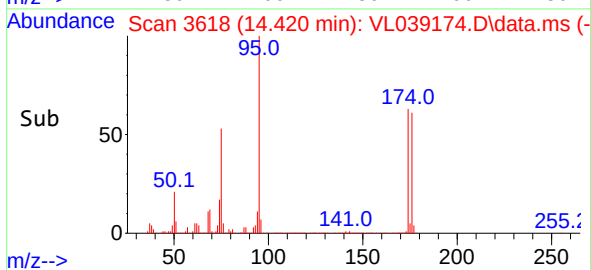
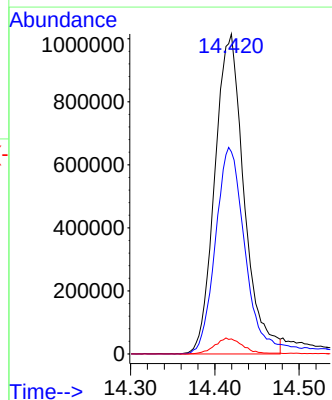
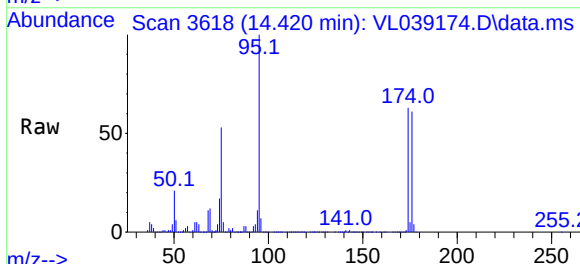
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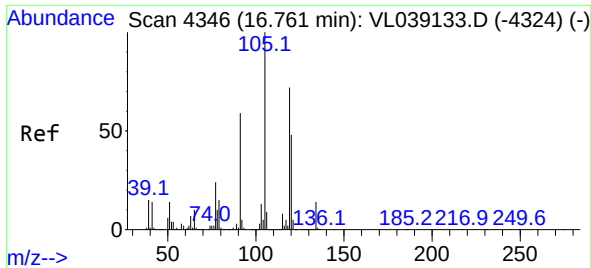
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.906 ppbv
RT: 14.420 min Scan# 3618
Delta R.T. 0.003 min
Lab File: VL039174.D
Acq: 4 Jun 2022 11:54

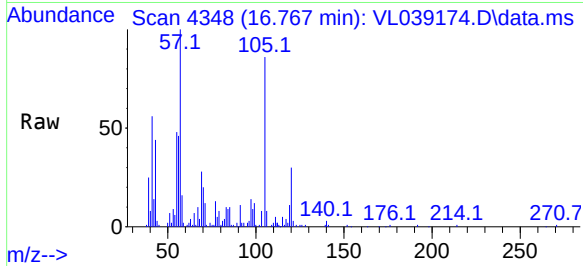
Tgt Ion: 95 Resp: 2442381
Ion Ratio Lower Upper
95 100
174 69.1 53.8 80.8
175 5.1 4.1 6.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.235 ppbv m
 RT: 16.767 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL039174.D
 Acq: 4 Jun 2022 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4



Tgt Ion:	105	Resp:	9424
Ion	Ratio	Lower	Upper
105	100		
120	35.3	38.1	57.1
91	12.4	47.4	71.0
77	15.0	19.5	29.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/06/2022
 Supervised By :Mahesh Dadoda 06/06/2022

