

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071322\
 Data File : VL039477.D
 Acq On : 13 Jul 2022 23:34
 Operator : SY/AP
 Sample : N3660-09DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2022
 Supervised By :Mahesh Dadoda 07/14/2022

Quant Time: Jul 14 01:26:40 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	1278377	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.182	114	3519681	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.085	117	3236115	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2529270	10.535	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.057	85	31913	0.173	ppbv #	88
4) Chloromethane	3.144	50	41787	0.471	ppbv	89
9) Propene	3.031	41	22506	0.307	ppbv	94
10) Heptane	8.124	43	28443m	0.166	ppbv	
13) Ethanol	3.610	45	54421	12.807	ppbv	80
15) Acetone	3.861	43	407851	2.697	ppbv #	88
17) tert-Butyl alcohol	4.308	59	26878m	0.209	ppbv	
19) Isopropyl Alcohol	3.980	45	33489	0.415	ppbv #	88
20) Methylene Chloride	4.356	84	378835	6.284	ppbv	96
26) Hexane	5.697	57	573802	4.590	ppbv #	39
27) Carbon Disulfide	4.562	76	77910	0.516	ppbv #	91
34) 2-Butanone	5.259	43	63211	0.357	ppbv	92
38) Trichloroethene	7.838	130	8235m	0.056	ppbv	
52) Tetrachloroethene	11.230	164	552512	5.038	ppbv	97
53) Toluene	9.812	91	236353	0.752	ppbv	97
58) Ethyl Benzene	12.716	91	124281	0.297	ppbv	96
59) m/p-Xylene	12.966	91	412763	1.120	ppbv	95
60) o-Xylene	13.696	91	152015m	0.436	ppbv	
72) 4-Ethyltoluene	15.841	105	73738m	0.180	ppbv	
73) 1,3,5-Trimethylbenzene	15.995	105	64695m	0.172	ppbv	
74) 1,2,4-Trimethylbenzene	16.764	105	190126	0.456	ppbv #	69

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

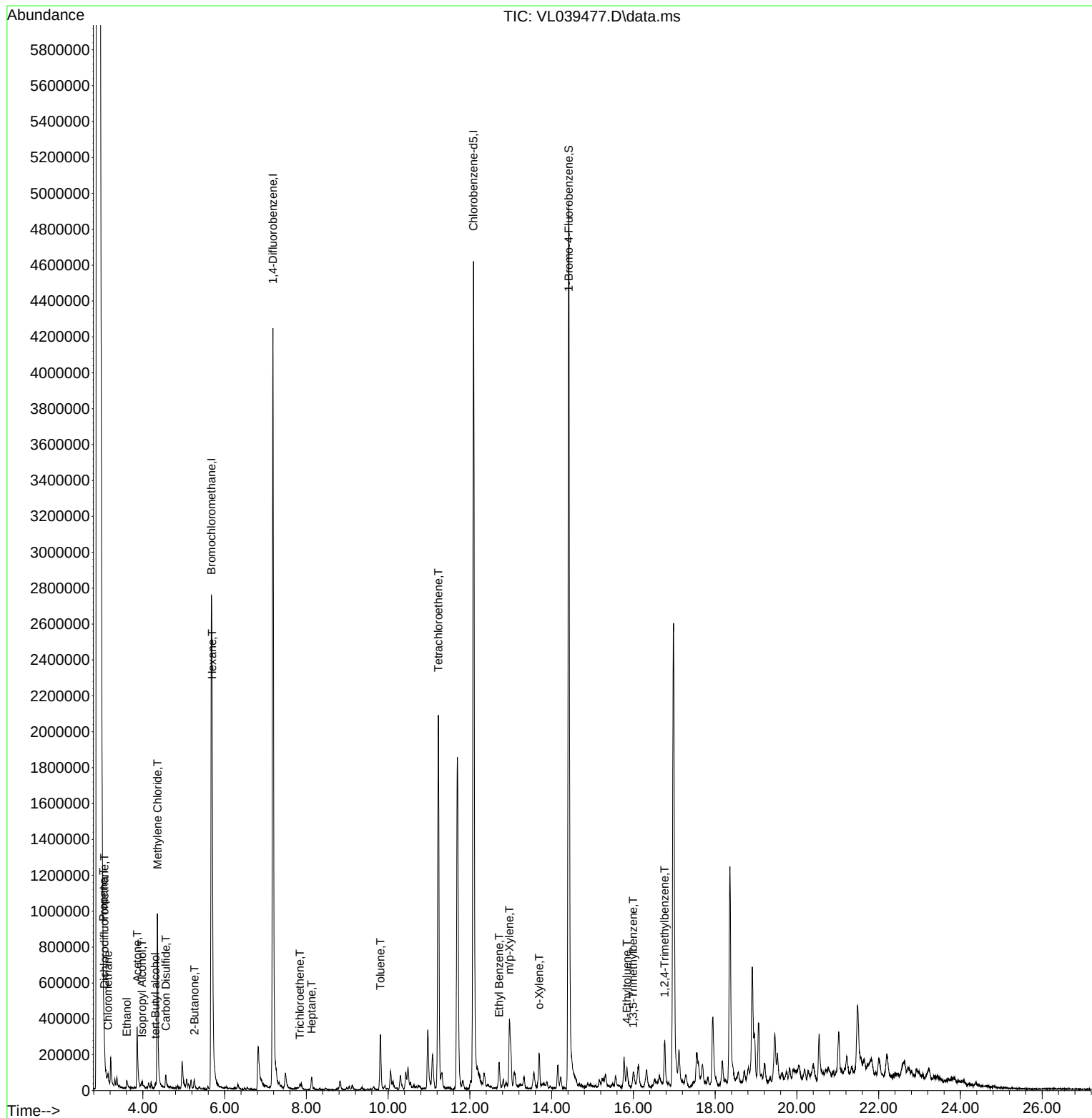
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071322\
Data File : VL039477.D
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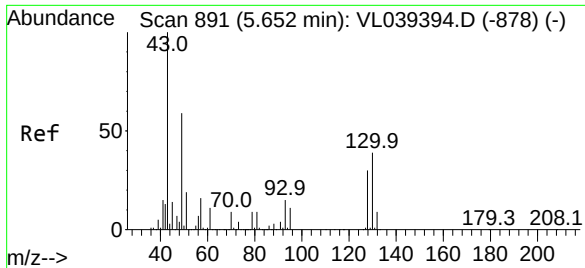
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Quant Time: Jul 14 01:26:40 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

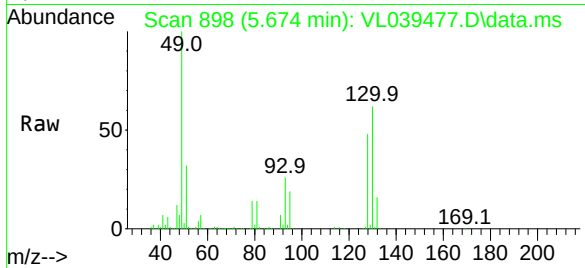
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 84
Delta R.T. 0.022 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

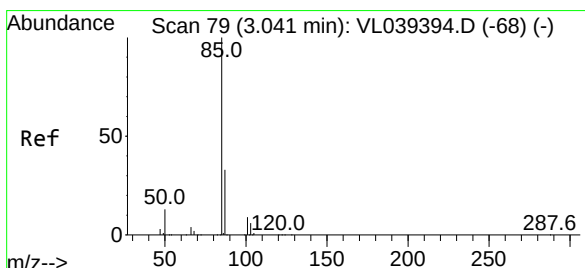
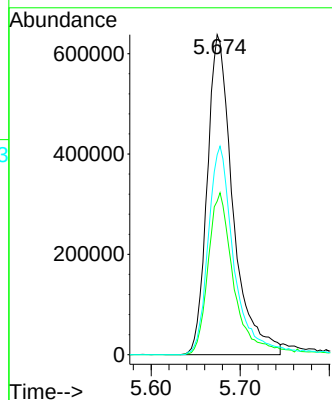
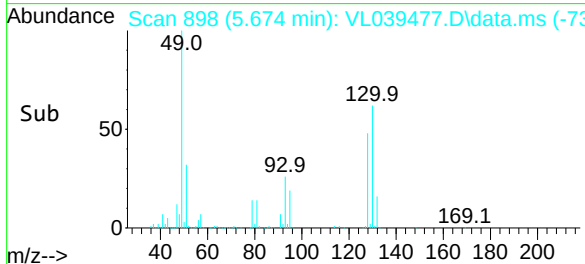
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 49 Resp: 127837
Ion Ratio Lower Upper
49 100
128 52.7 26.7 80.0
130 67.4 34.3 102.8

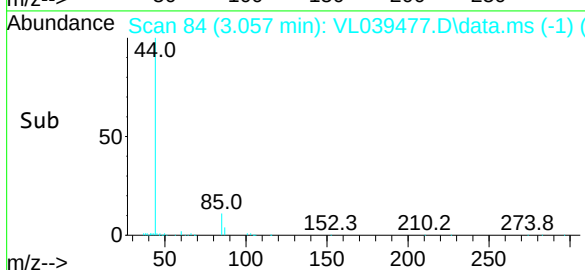
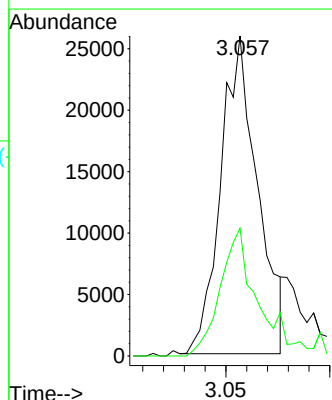
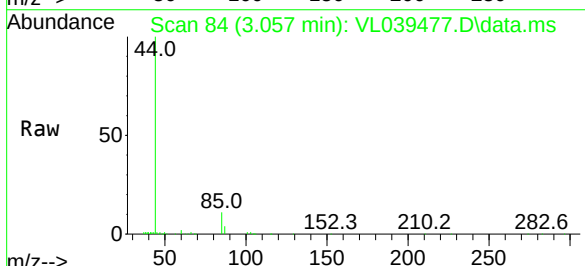
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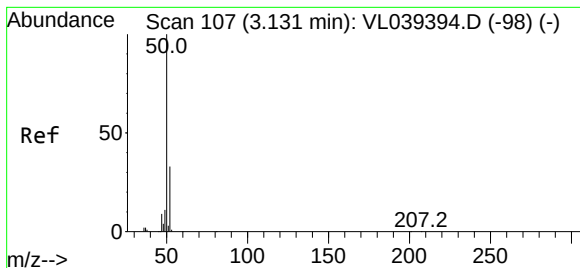
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#2
Dichlorodifluoromethane
Concen: 0.173 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

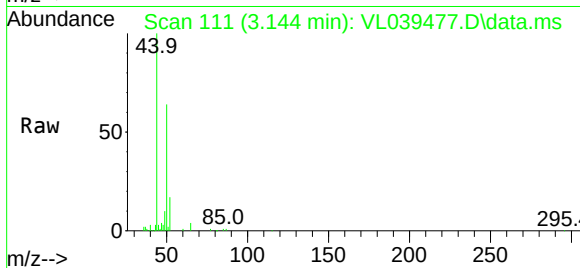
Tgt Ion: 85 Resp: 31913
Ion Ratio Lower Upper
85 100
87 40.2 26.7 40.1#





#4
Chloromethane
Concen: 0.471 ppbv
RT: 3.144 min Scan# 111
Delta R.T. 0.013 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

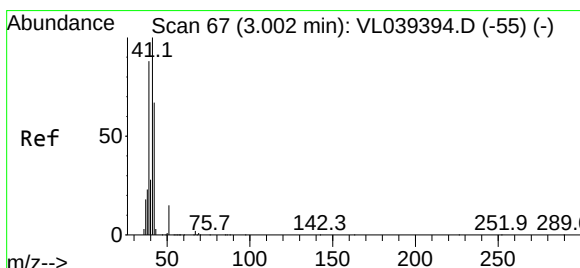
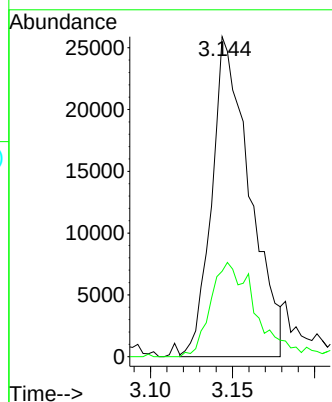
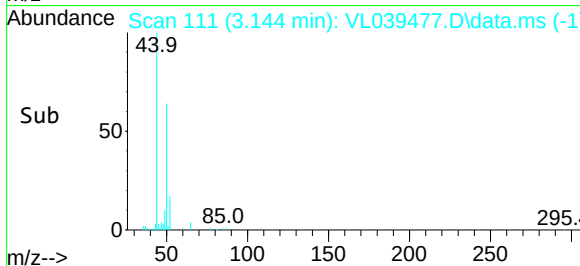
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 50 Resp: 4178
Ion Ratio Lower Upper
50 100
52 26.9 26.5 39.7

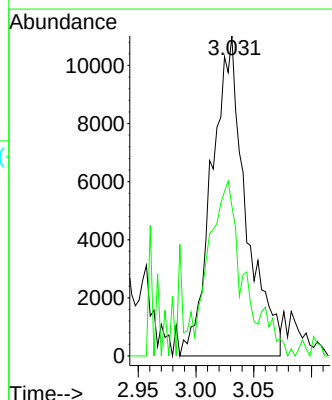
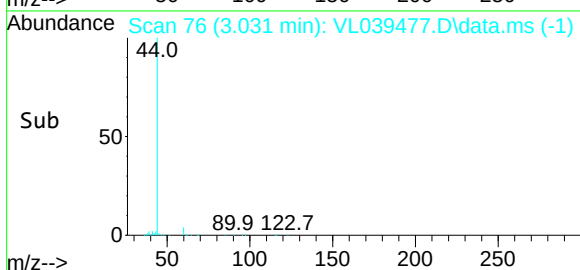
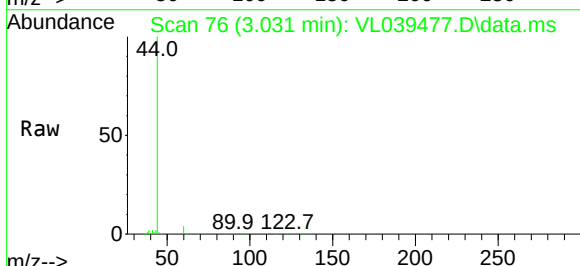
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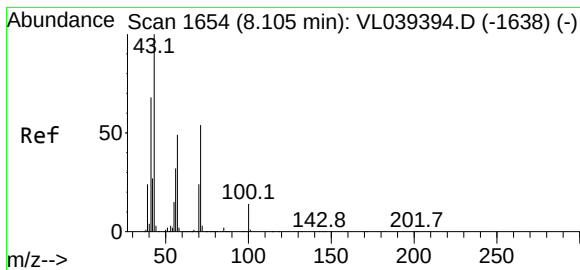
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#9
Propene
Concen: 0.307 ppbv
RT: 3.031 min Scan# 76
Delta R.T. 0.029 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

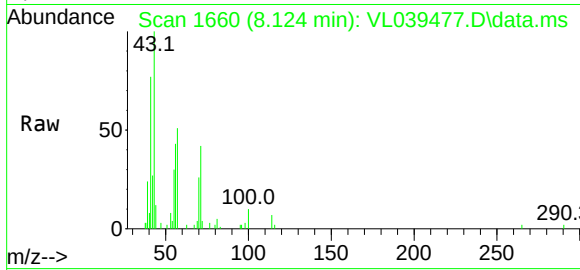
Tgt Ion: 41 Resp: 22506
Ion Ratio Lower Upper
41 100
42 63.9 55.2 82.8





#10
Heptane
Concen: 0.166 ppbv m
RT: 8.124 min Scan# 1
Delta R.T. 0.019 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

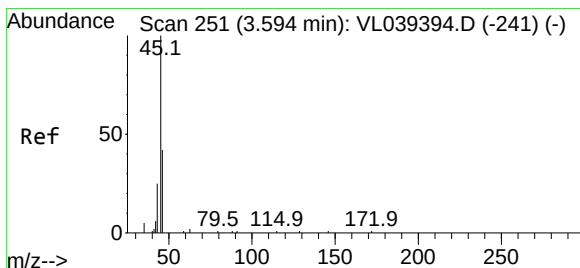
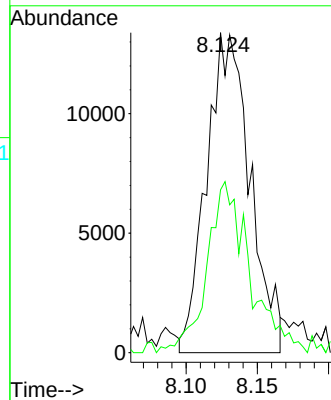
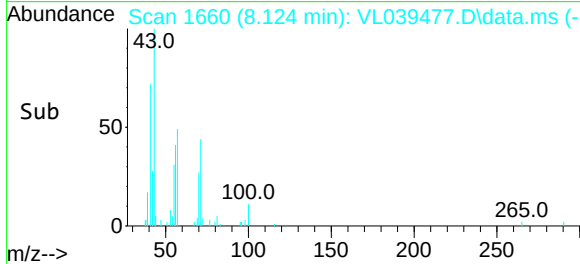
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 43 Resp: 2844
Ion Ratio Lower Upper
43 100
57 54.1 40.5 60.7

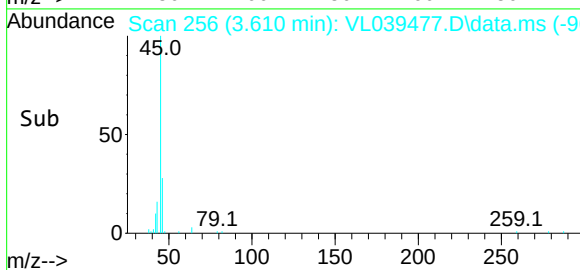
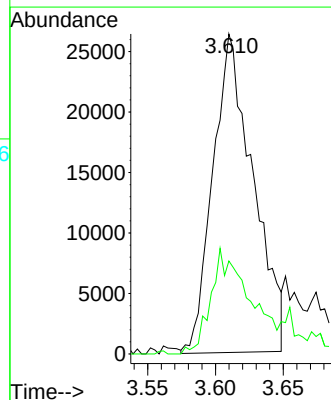
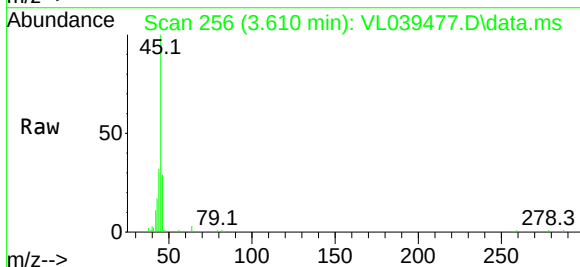
Manual Integrations
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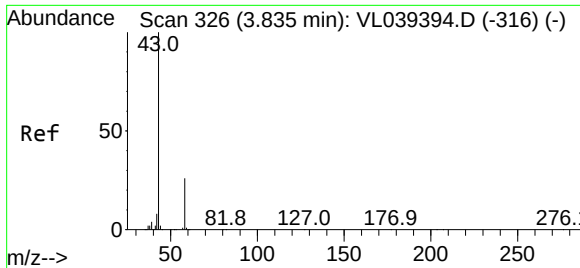
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#13
Ethanol
Concen: 12.807 ppbv
RT: 3.610 min Scan# 256
Delta R.T. 0.016 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

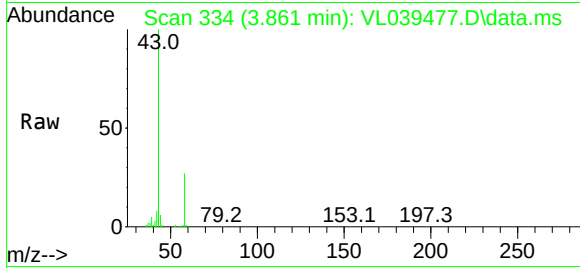
Tgt Ion: 45 Resp: 54421
Ion Ratio Lower Upper
45 100
46 42.1 22.8 91.2





#15
Acetone
Concen: 2.697 ppbv
RT: 3.861 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

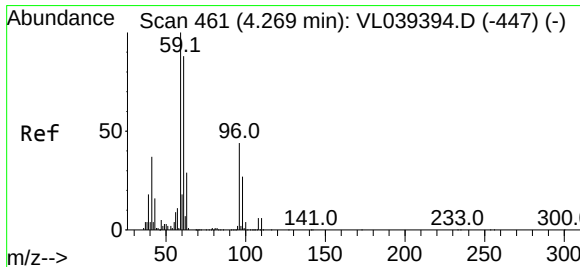
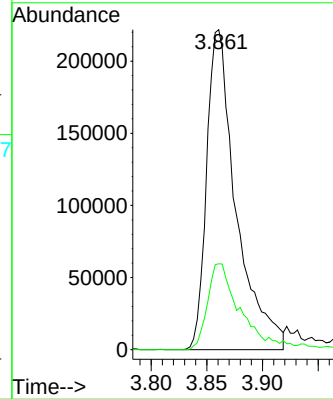
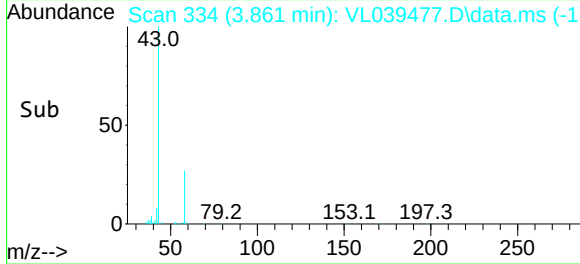
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 43 Resp: 40785
Ion Ratio Lower Upper
43 100
58 32.4 21.0 31.6

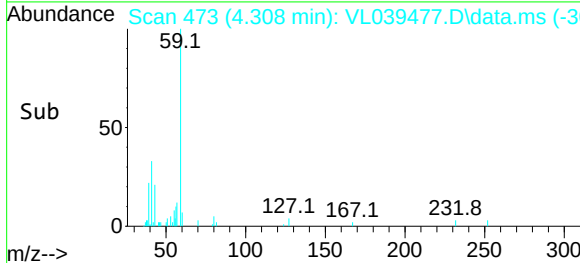
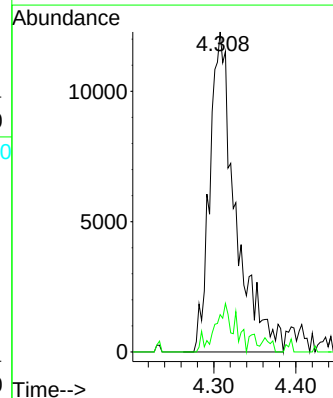
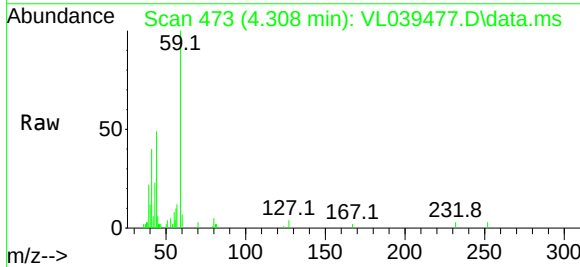
Manual Integrations
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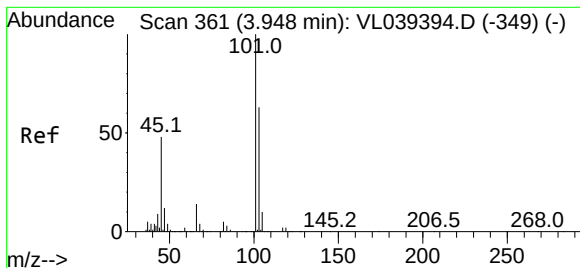
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#17
tert-Butyl alcohol
Concen: 0.209 ppbv m
RT: 4.308 min Scan# 473
Delta R.T. 0.038 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

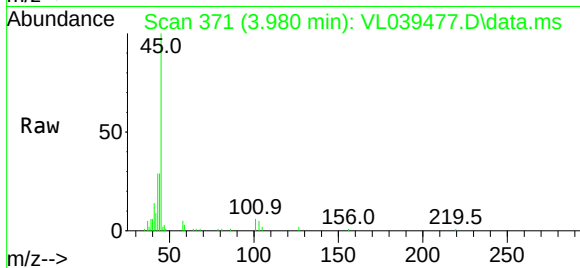
Tgt Ion: 59 Resp: 26878
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1





#19
Isopropyl Alcohol
Concen: 0.415 ppbv
RT: 3.980 min Scan# 31
Delta R.T. 0.032 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

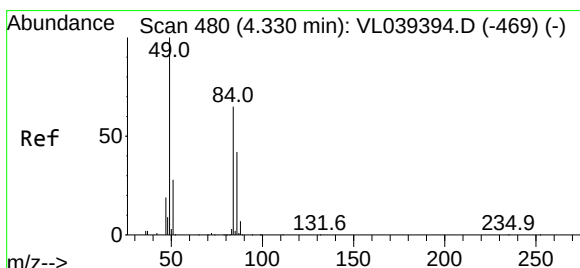
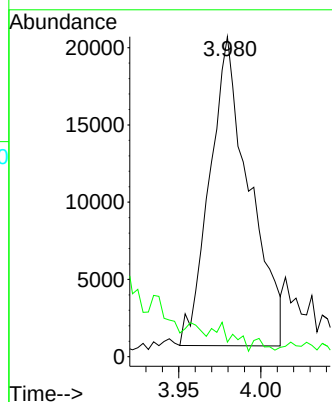
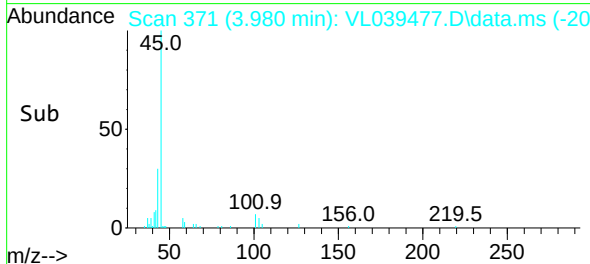
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



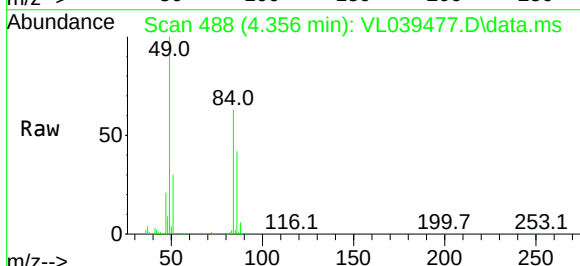
Tgt Ion: 45 Resp: 33489
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8

Manual Integrations
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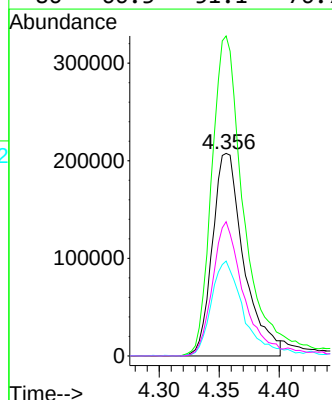
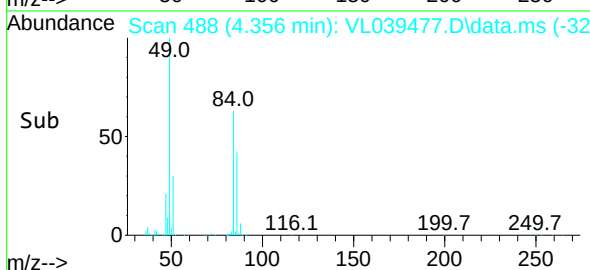
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

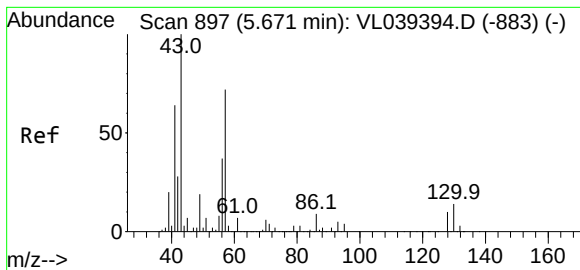


#20
Methylene Chloride
Concen: 6.284 ppbv
RT: 4.356 min Scan# 488
Delta R.T. 0.026 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34



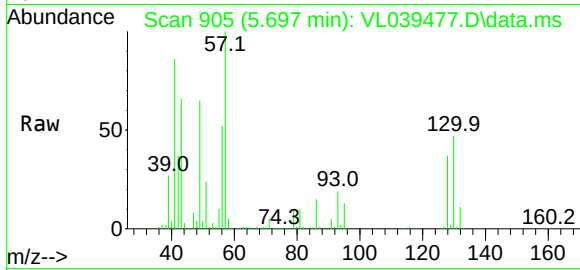
Tgt Ion: 84 Resp: 378835
Ion Ratio Lower Upper
84 100
49 158.0 123.1 184.7
51 46.8 34.4 51.6
86 66.3 51.1 76.7





#26
Hexane
Concen: 4.590 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.026 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

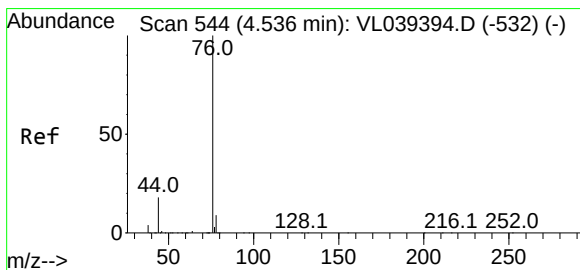
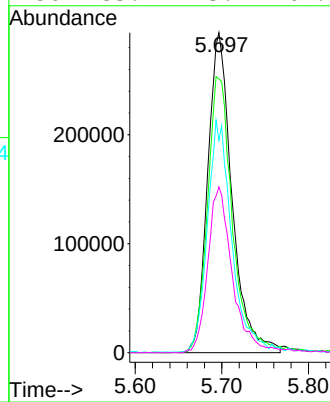
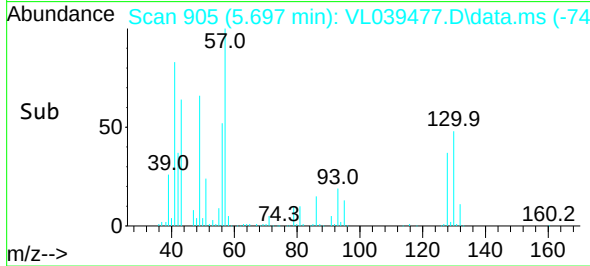
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 57 Resp: 573802
Ion Ratio Lower Upper
57 100
41 90.7 76.9 115.3
43 74.4 191.0 286.6
56 53.1 43.2 64.8

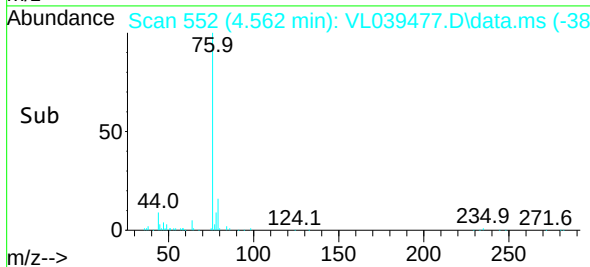
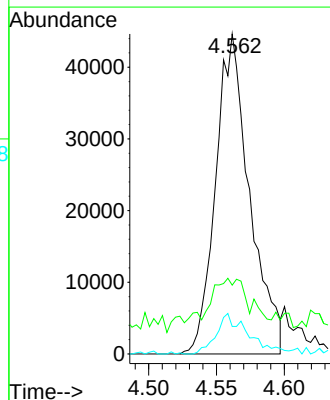
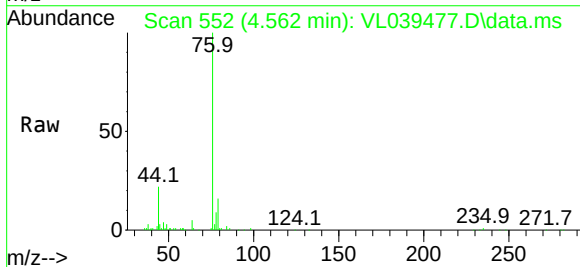
Manual Integrations
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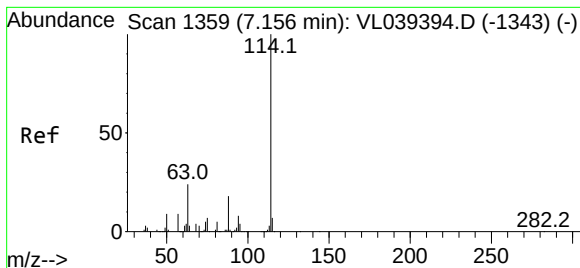
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#27
Carbon Disulfide
Concen: 0.516 ppbv
RT: 4.562 min Scan# 552
Delta R.T. 0.026 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

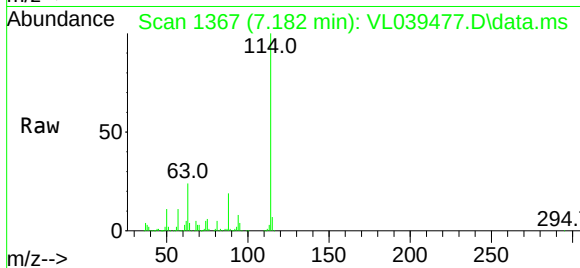
Tgt Ion: 76 Resp: 77910
Ion Ratio Lower Upper
76 100
44 22.4 14.6 21.8#
78 12.4 7.8 11.6#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 114
Delta R.T. 0.026 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

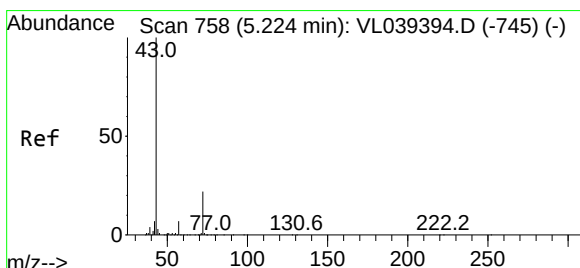
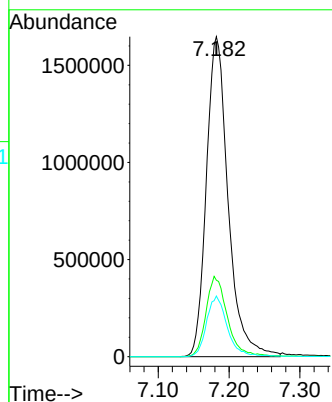
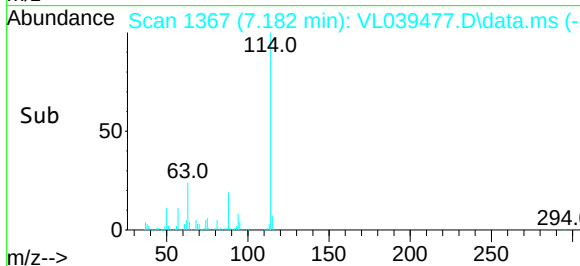
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion:114 Resp: 351968
Ion Ratio Lower Upper
114 100
63 24.9 20.2 30.4
88 18.3 14.5 21.7

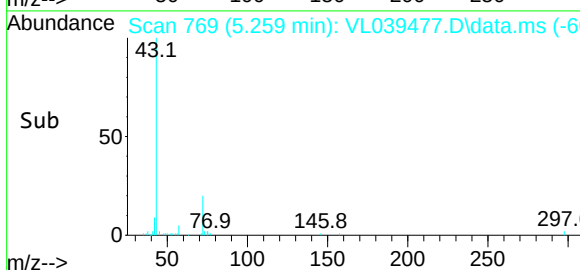
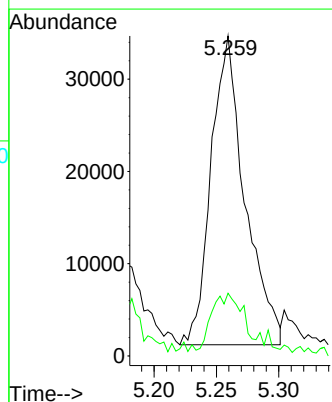
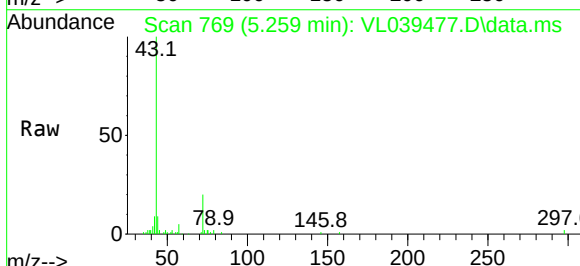
Manual Integrations
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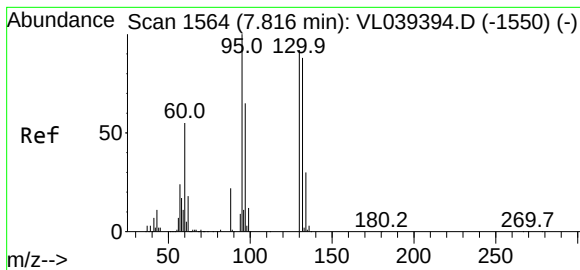
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#34
2-Butanone
Concen: 0.357 ppbv
RT: 5.259 min Scan# 769
Delta R.T. 0.035 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

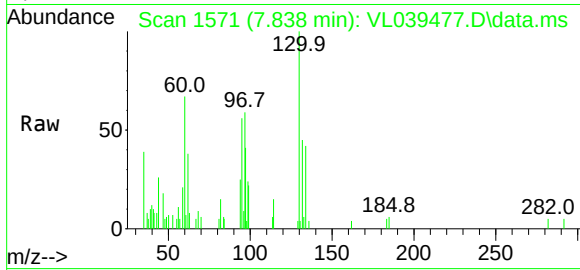
Tgt Ion: 43 Resp: 63211
Ion Ratio Lower Upper
43 100
72 26.3 17.9 26.9





#38
Trichloroethene
Concen: 0.056 ppbv m
RT: 7.838 min Scan# 1564
Delta R.T. 0.022 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

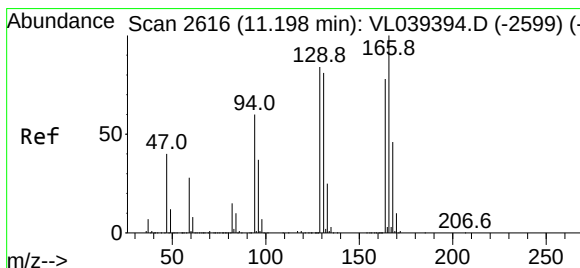
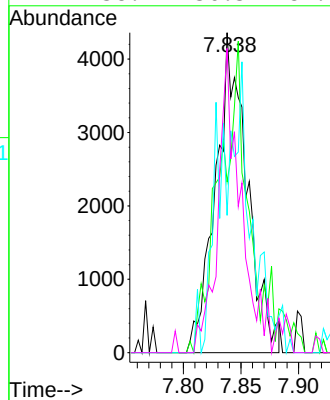
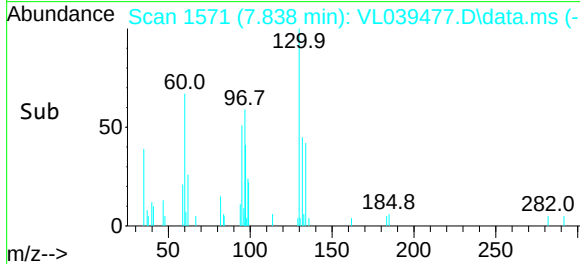
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



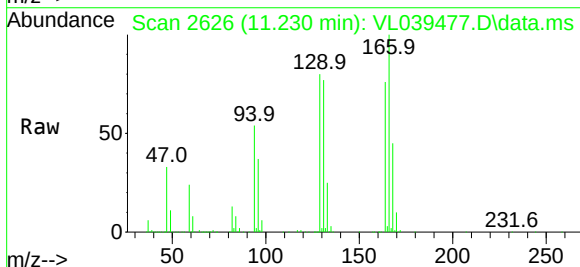
Tgt Ion:130 Resp: 823
Ion Ratio Lower Upper
130 100
95 55.7 87.3 130.9
132 44.8 76.7 115.1
97 58.7 56.5 84.7

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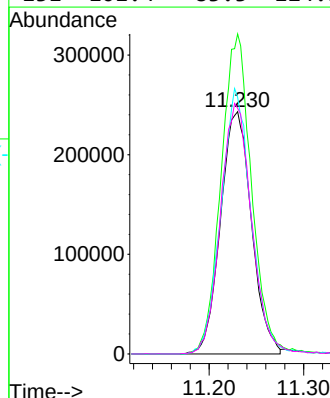
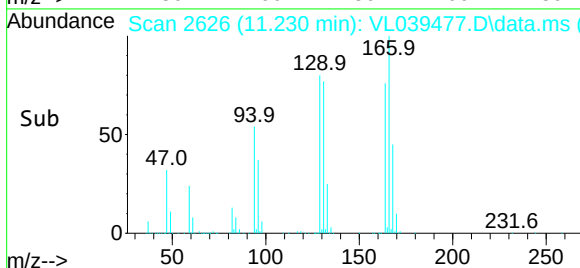
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

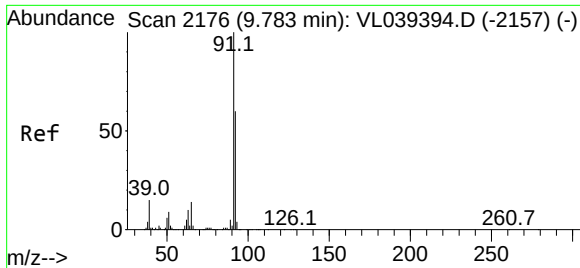


#52
Tetrachloroethene
Concen: 5.038 ppbv
RT: 11.230 min Scan# 2626
Delta R.T. 0.032 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34



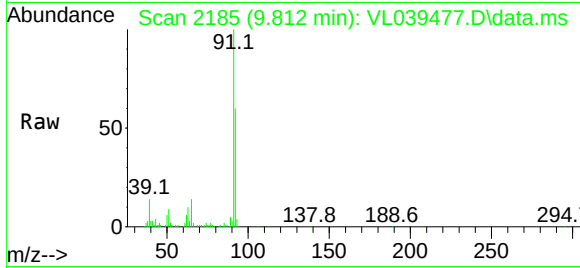
Tgt Ion:164 Resp: 552512
Ion Ratio Lower Upper
164 100
166 132.1 102.2 153.2
129 105.9 85.8 128.8
131 101.4 83.3 124.9





#53
Toluene
Concen: 0.752 ppbv
RT: 9.812 min Scan# 2176
Delta R.T. 0.029 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

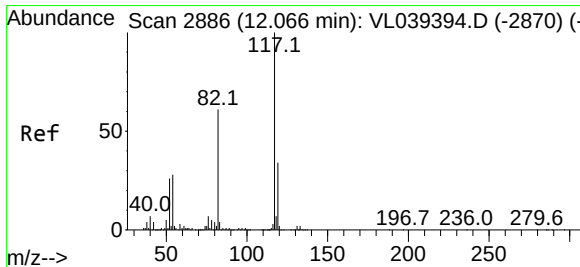
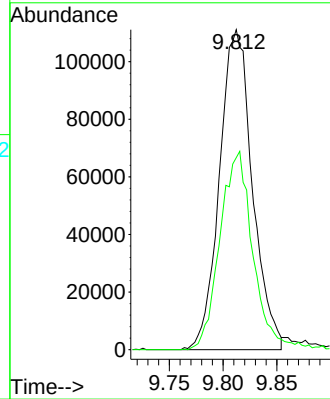
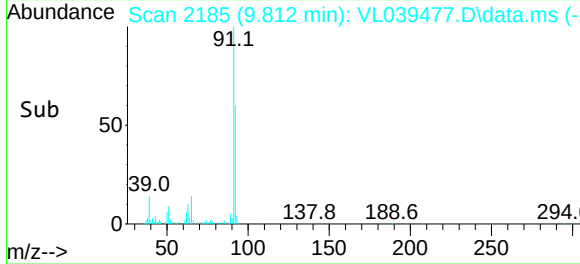
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



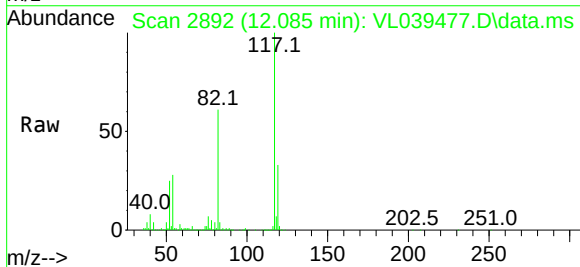
Tgt Ion: 91 Resp: 23635
Ion Ratio Lower Upper
91 100
92 62.3 48.2 72.2

Manual Integrations
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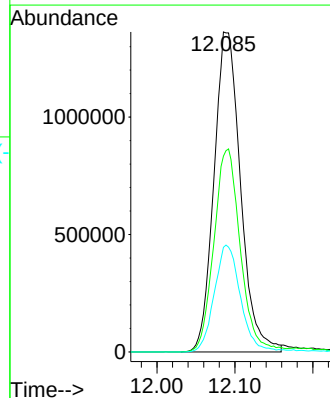
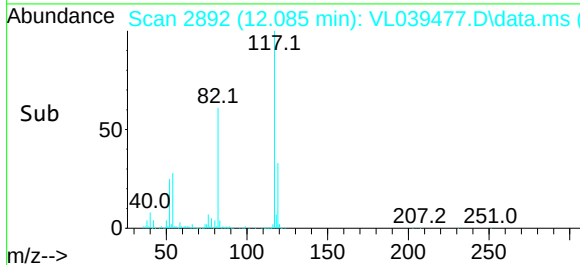
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

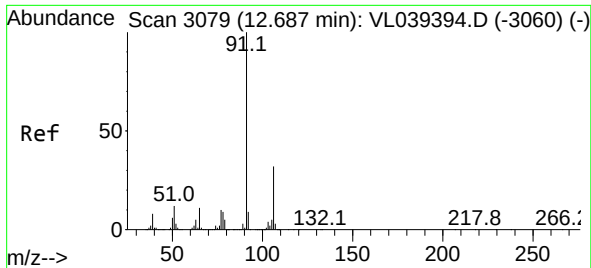


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 2892
Delta R.T. 0.019 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34



Tgt Ion:117 Resp: 3236115
Ion Ratio Lower Upper
117 100
82 64.8 50.8 76.2
119 33.8 24.1 36.1





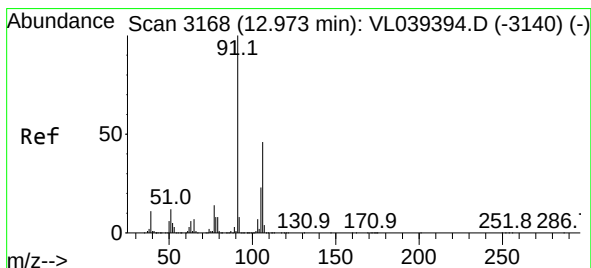
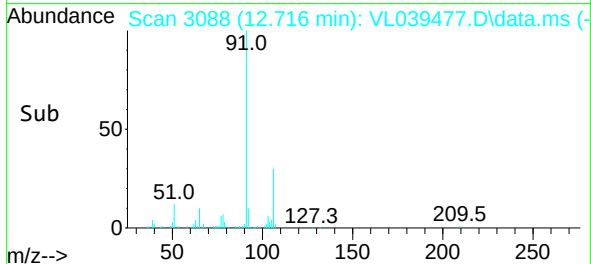
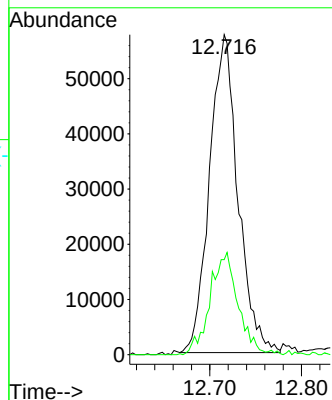
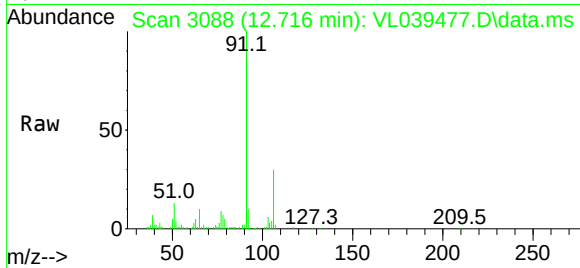
#58
Ethyl Benzene
Concen: 0.297 ppbv
RT: 12.716 min Scan# 3079
Delta R.T. 0.029 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 91 Resp: 12428
Ion Ratio Lower Upper
91 100
106 29.6 25.4 38.0

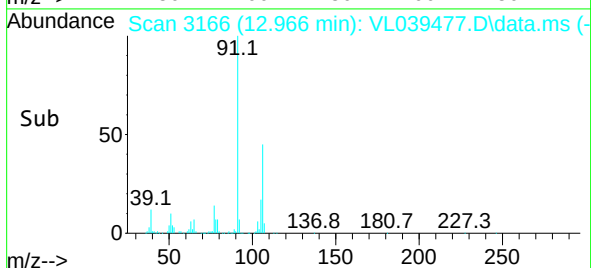
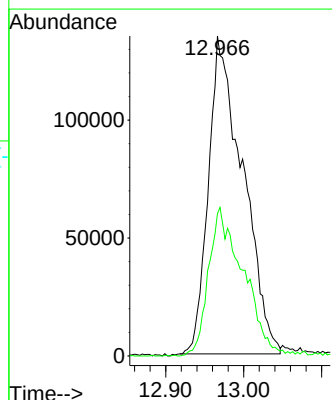
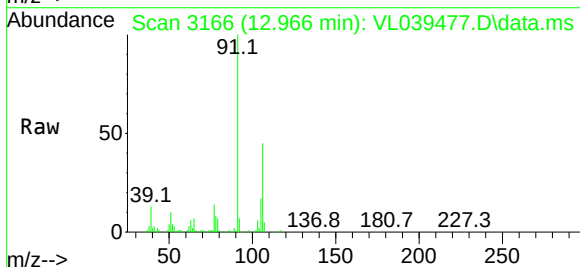
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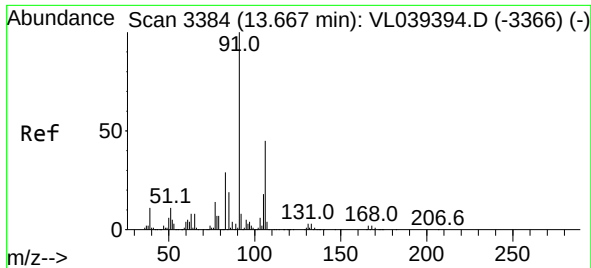
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#59
m/p-Xylene
Concen: 1.120 ppbv
RT: 12.966 min Scan# 3166
Delta R.T. -0.007 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

Tgt Ion: 91 Resp: 412763
Ion Ratio Lower Upper
91 100
106 47.5 35.4 53.2





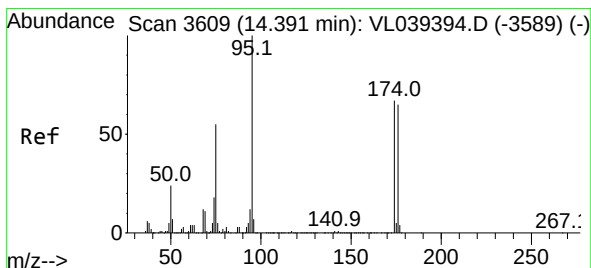
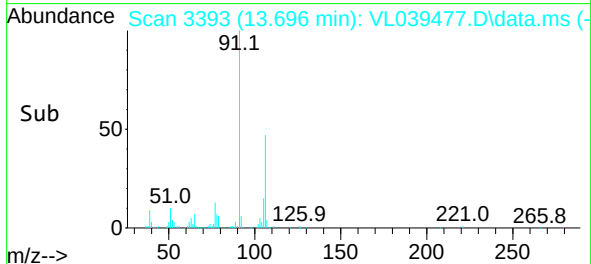
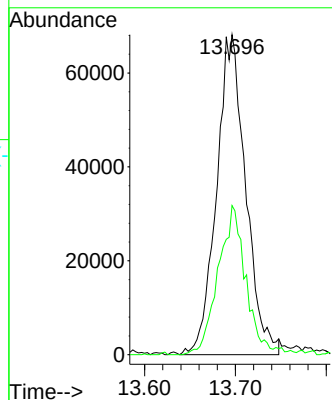
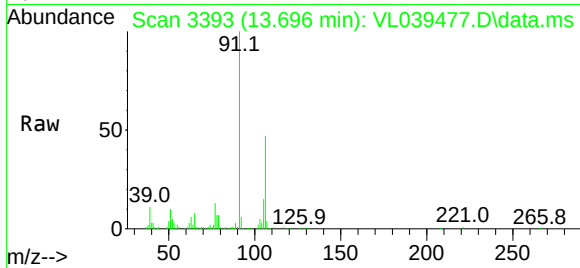
#60
o-Xylene
Concen: 0.436 ppbv m
RT: 13.696 min Scan# 31
Delta R.T. 0.029 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 91 Resp: 152015
Ion Ratio Lower Upper
91 100
106 0.0 22.4 67.3

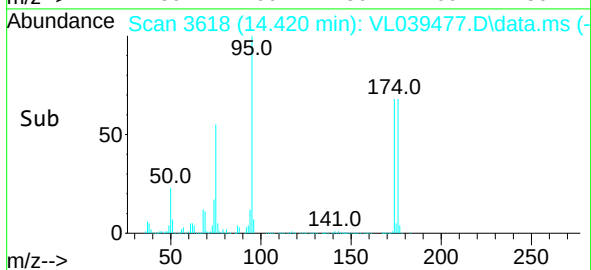
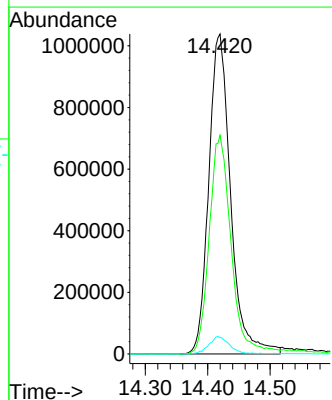
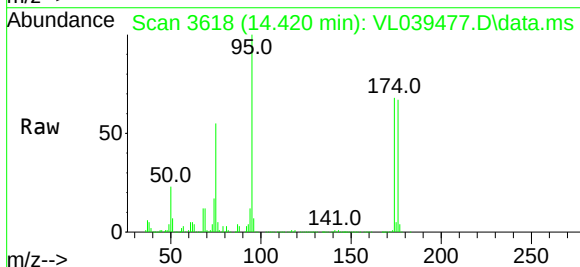
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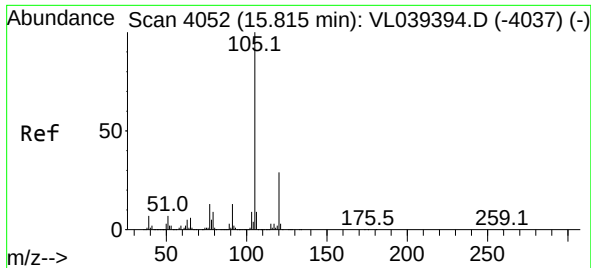
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.535 ppbv
RT: 14.420 min Scan# 3618
Delta R.T. 0.029 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

Tgt Ion: 95 Resp: 2529270
Ion Ratio Lower Upper
95 100
174 70.2 55.9 83.9
175 5.1 4.2 6.4





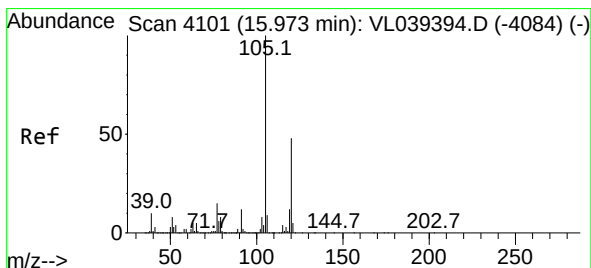
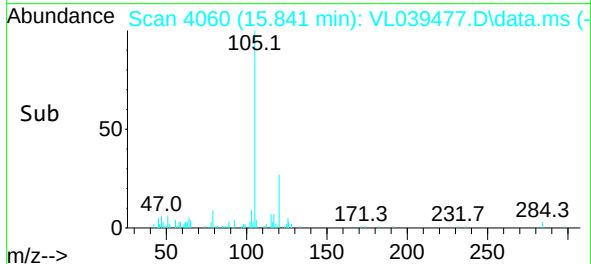
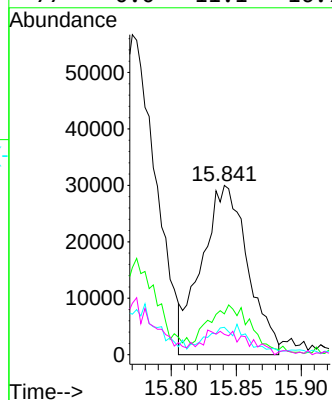
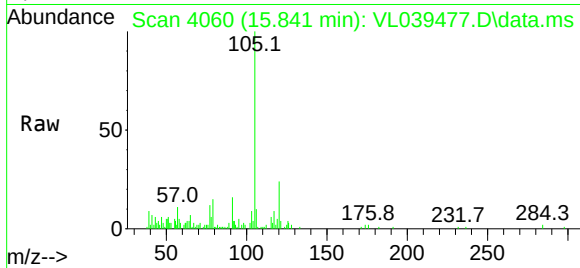
#72
4-Ethyltoluene
Concen: 0.180 ppbv m
RT: 15.841 min Scan# 4052
Delta R.T. 0.026 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion:105 Resp: 73738
Ion Ratio Lower Upper
105 100
120 30.5 24.2 36.2
91 17.9 10.2 15.4
77 0.0 11.1 16.7#

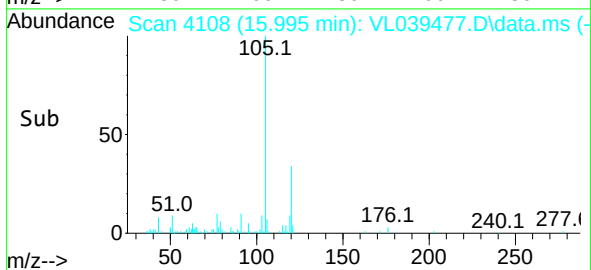
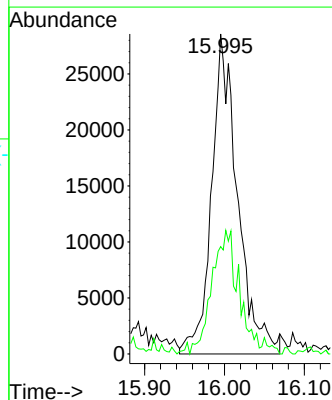
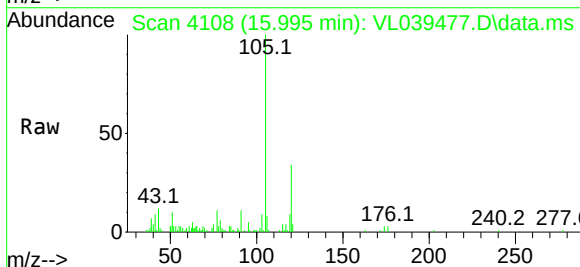
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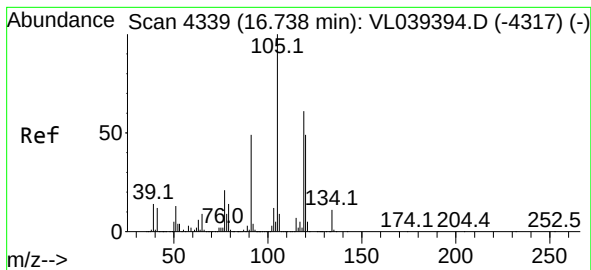
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.172 ppbv m
RT: 15.995 min Scan# 4108
Delta R.T. 0.022 min
Lab File: VL039477.D
Acq: 13 Jul 2022 23:34

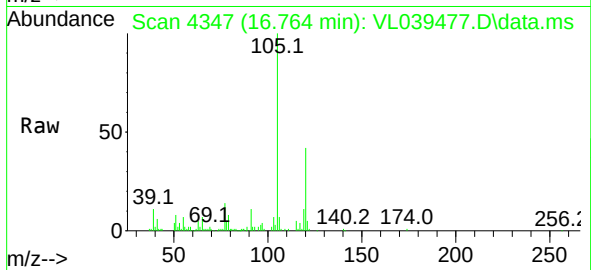
Tgt Ion:105 Resp: 64695
Ion Ratio Lower Upper
105 100
120 33.6 38.2 57.4#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.456 ppbv
 RT: 16.764 min Scan# 41
 Delta R.T. 0.026 min
 Lab File: VL039477.D
 Acq: 13 Jul 2022 23:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL



Tgt Ion:	105	Resp:	190120
Ion	Ratio	Lower	Upper
105	100		
120	41.7	39.5	59.3
91	10.9	39.2	58.8
77	12.8	17.2	25.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/14/2022
 Supervised By :Mahesh Dadoda 07/14/2022

