

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039186.D
 Acq On : 6 Jun 2022 14:52
 Operator : SY/AP
 Sample : N3110-09 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022
 Supervised By :Mahesh Dadoda 06/07/2022

Quant Time: Jun 06 15:27:39 2022

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

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

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	5.665	49	1236415	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3399047	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.076	117	3052013	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	2384029	9.448	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.500%
Target Compounds						
2) Dichlorodifluoromethane	3.054	85	30324	0.140	ppbv	100
9) Propene	3.022	41	11944m	0.174	ppbv	
10) Heptane	8.118	43	18598	0.116	ppbv #	61
13) Ethanol	3.603	45	130711	34.940	ppbv #	100
15) Acetone	3.848	43	568567	4.415	ppbv	92
20) Methylene Chloride	4.343	84	378795	6.979	ppbv	96
26) Hexane	5.684	57	818917	6.419	ppbv #	38
29) Chloroform	5.748	83	22916m	0.107	ppbv	
34) 2-Butanone	5.243	43	169939	0.920	ppbv	96
51) 2-Hexanone	10.147	43	57913m	0.269	ppbv	
52) Tetrachloroethene	11.217	164	105345m	0.978	ppbv	
53) Toluene	9.796	91	198446	0.625	ppbv	98
58) Ethyl Benzene	12.700	91	126093	0.300	ppbv	96
59) m/p-Xylene	12.954	91	469213	1.267	ppbv	92
60) o-Xylene	13.680	91	217787	0.626	ppbv	99
61) Styrene	13.516	104	17769m	0.095	ppbv	
64) n-propylbenzene	15.545	120	17291m	0.136	ppbv	
70) n-Butylbenzene	18.545	91	50694m	0.091	ppbv	
72) 4-Ethyltoluene	15.831	105	114866	0.282	ppbv	98
73) 1,3,5-Trimethylbenzene	15.982	105	102963	0.280	ppbv	95
74) 1,2,4-Trimethylbenzene	16.748	105	411048	1.002	ppbv #	65

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

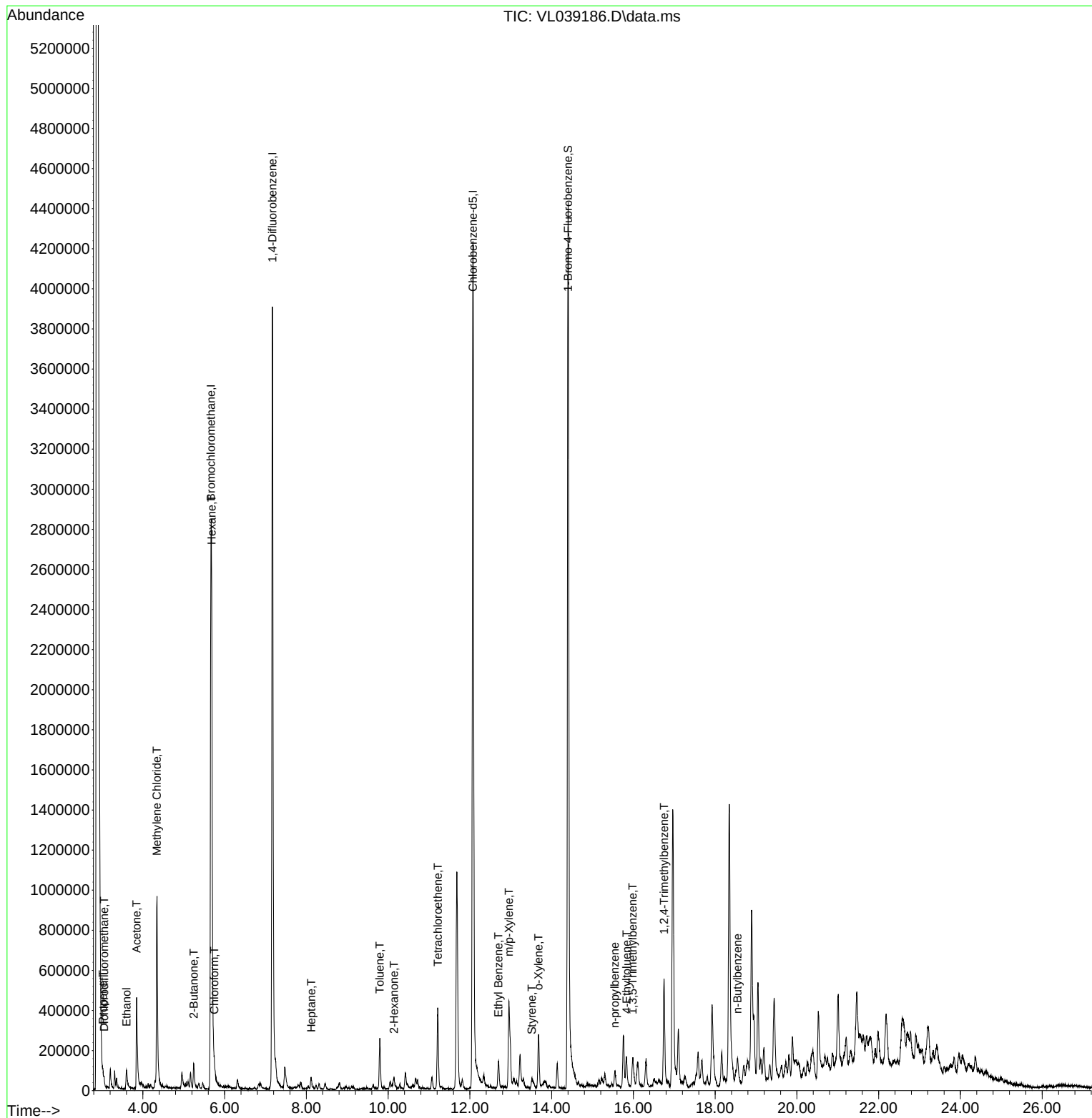
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039186.D
Acq On : 6 Jun 2022 14:52
Operator : SY/AP
Sample : N3110-09 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

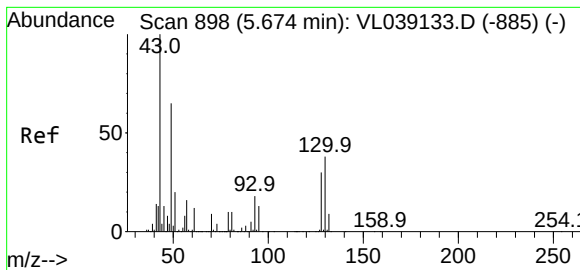
Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Quant Time: Jun 06 15:27:39 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
Response via : Initial Calibration

Manual Integrations
APPROVED

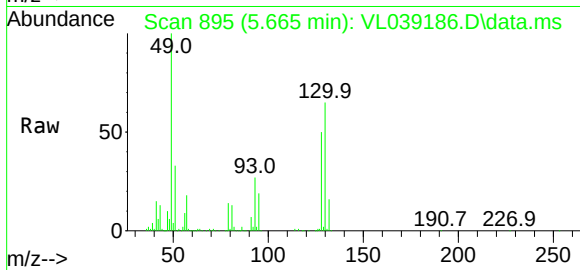
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.665 min Scan# 89
Delta R.T. -0.010 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

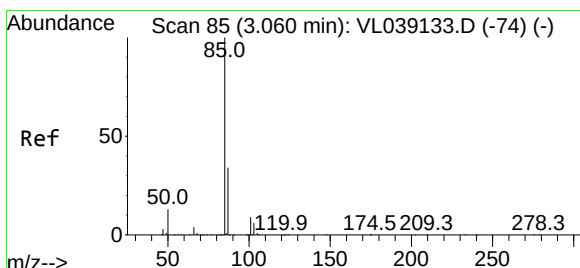
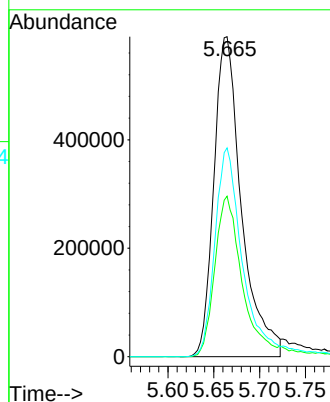
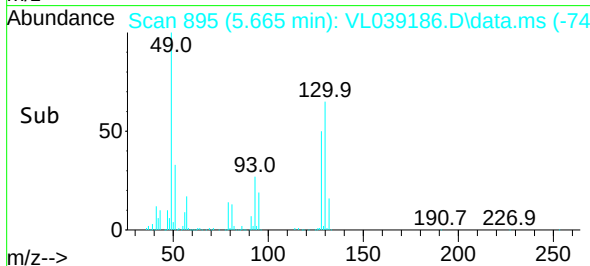
Instrument :
MSVOA_L
ClientSampleId :
SG-5DL



Tgt Ion: 49 Resp: 123641
Ion Ratio Lower Upper
49 100
128 52.6 24.7 74.1
130 68.1 31.4 94.0

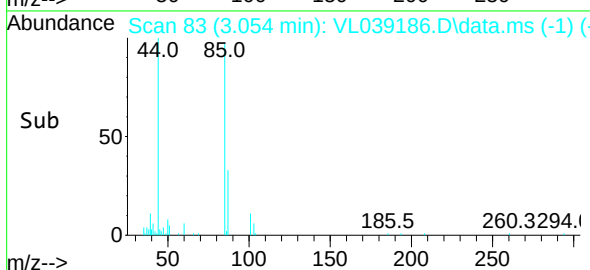
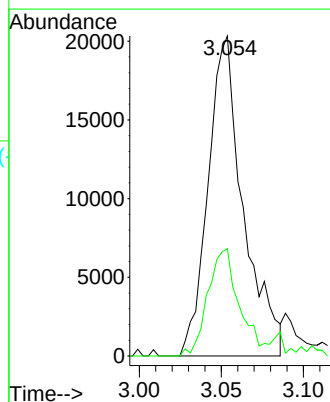
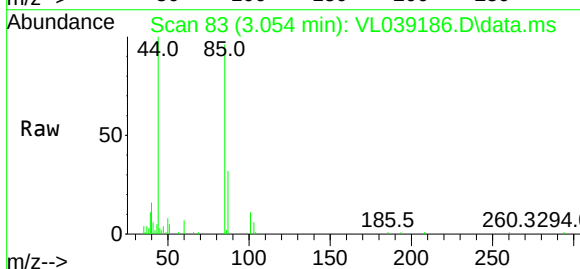
Manual Integrations
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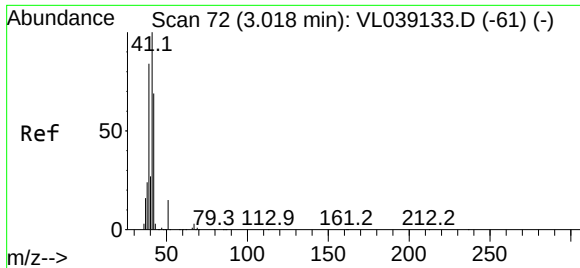
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#2
Dichlorodifluoromethane
Concen: 0.140 ppbv
RT: 3.054 min Scan# 83
Delta R.T. -0.006 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

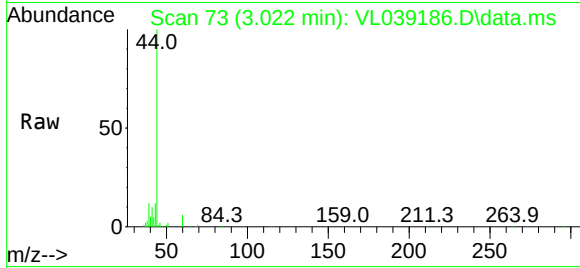
Tgt Ion: 85 Resp: 30324
Ion Ratio Lower Upper
85 100
87 33.6 26.9 40.3





#9
Propene
Concen: 0.174 ppbv m
RT: 3.022 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

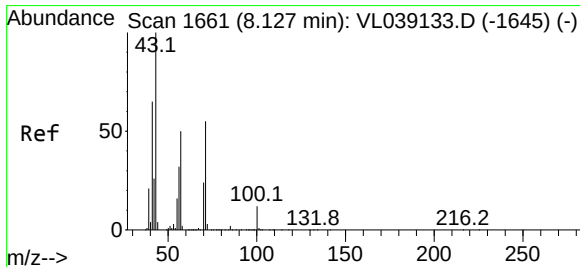
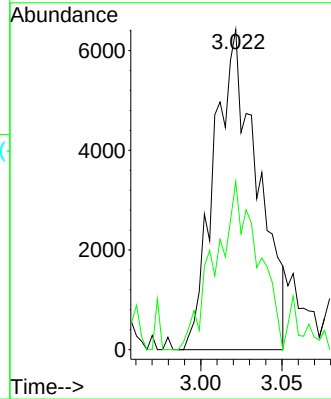
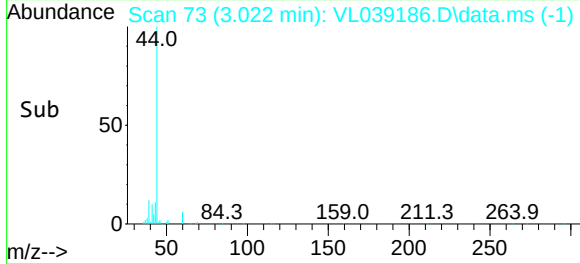
Instrument :
MSVOA_L
ClientSampleId :
SG-5DL



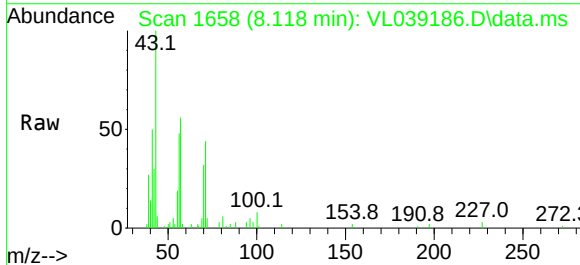
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Ion Ratio Lower Upper
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42 0.0 55.4 83.2

Manual Integrations
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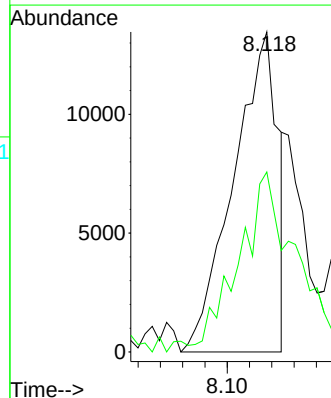
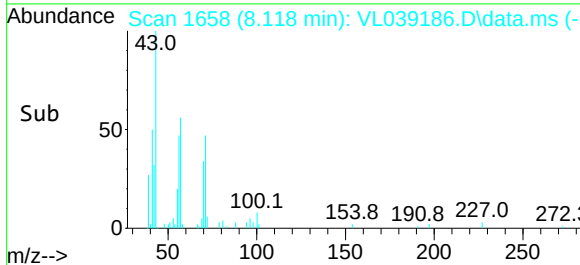
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

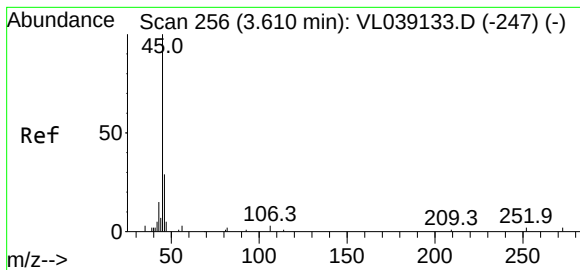


#10
Heptane
Concen: 0.116 ppbv
RT: 8.118 min Scan# 1658
Delta R.T. -0.010 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52



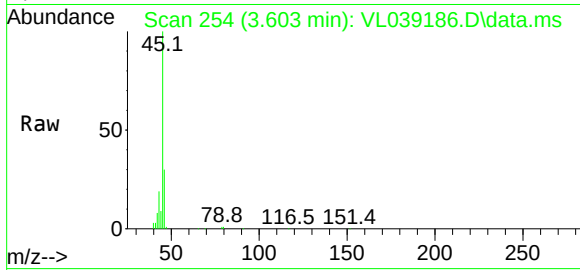
Tgt Ion: 43 Resp: 18598
Ion Ratio Lower Upper
43 100
57 79.0 41.4 62.2





#13
Ethanol
Concen: 34.940 ppbv
RT: 3.603 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

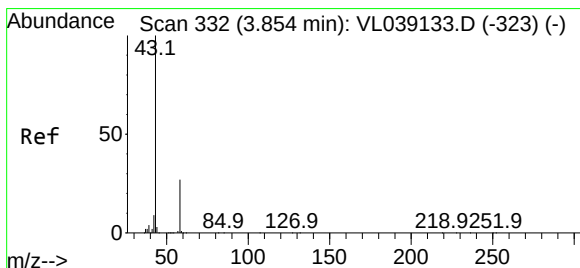
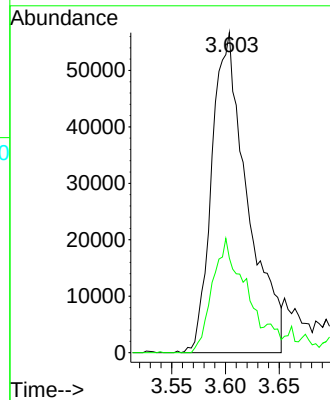
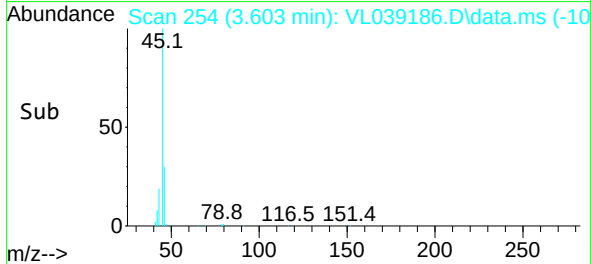
Instrument :
MSVOA_L
ClientSampleId :
SG-5DL



Tgt Ion: 45 Resp: 13071
Ion Ratio Lower Upper
45 100
46 41.0 0.0 0.0

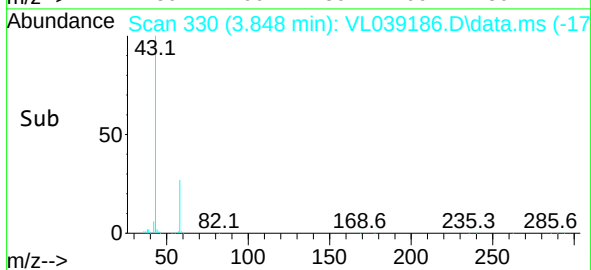
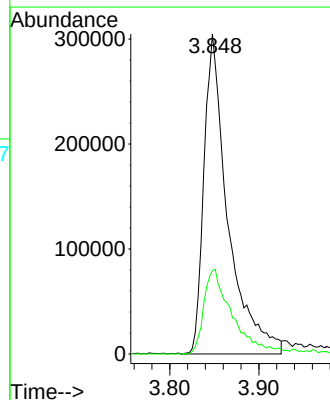
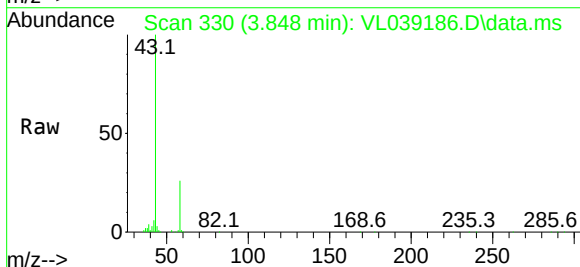
Manual Integrations
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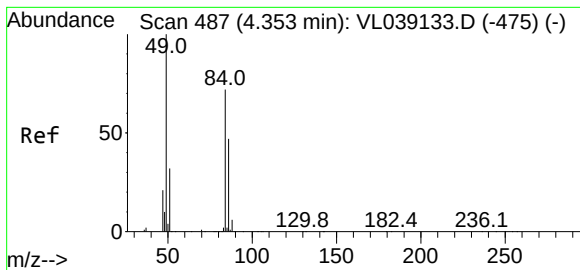
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#15
Acetone
Concen: 4.415 ppbv
RT: 3.848 min Scan# 330
Delta R.T. -0.006 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

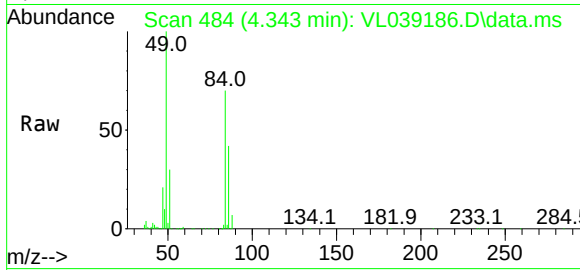
Tgt Ion: 43 Resp: 568567
Ion Ratio Lower Upper
43 100
58 32.5 22.5 33.7





#20
Methylene Chloride
Concen: 6.979 ppbv
RT: 4.343 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

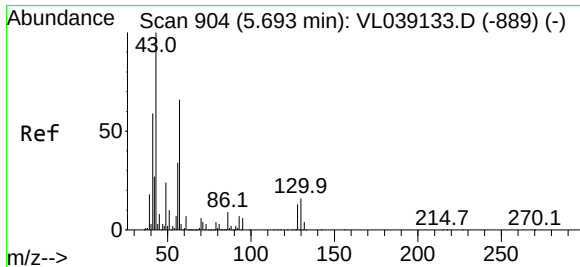
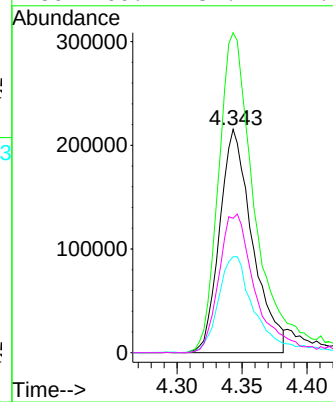
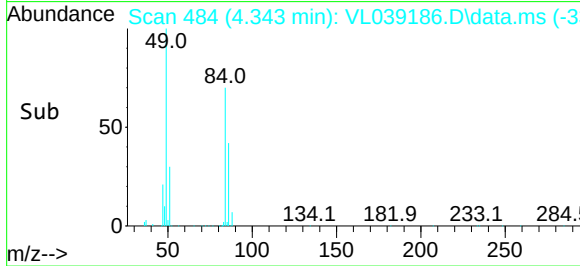
Instrument :
MSVOA_L
ClientSampleId :
SG-5DL



Tgt Ion: 84 Resp: 378795
Ion Ratio Lower Upper
84 100
49 143.3 111.1 166.7
51 42.9 35.3 52.9
86 60.2 51.9 77.9

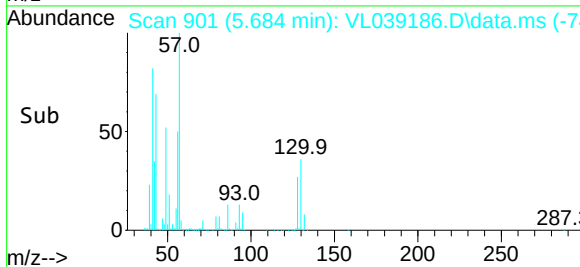
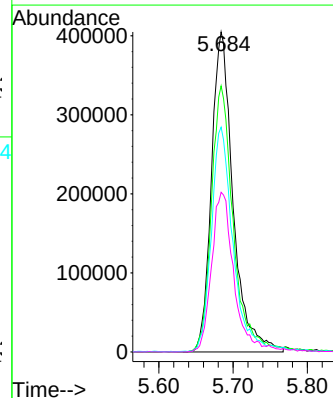
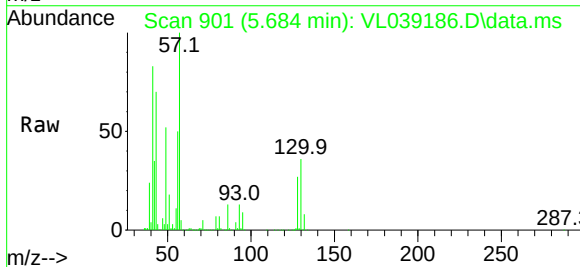
Manual Integrations
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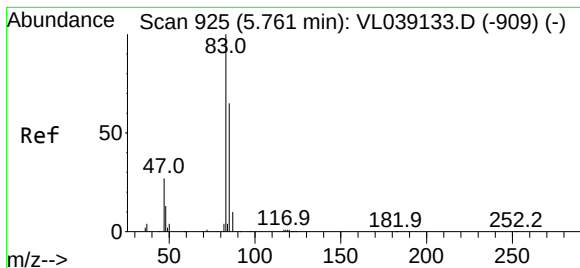
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#26
Hexane
Concen: 6.419 ppbv
RT: 5.684 min Scan# 901
Delta R.T. -0.010 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 57 Resp: 818917
Ion Ratio Lower Upper
57 100
41 85.7 72.4 108.6
43 71.5 187.0 280.6#
56 52.3 41.8 62.6





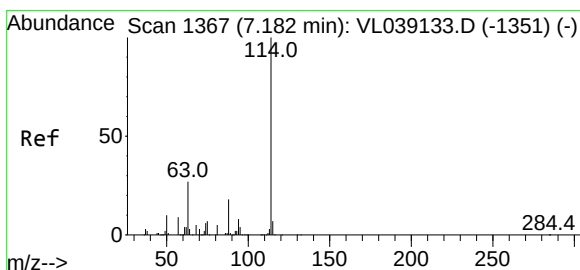
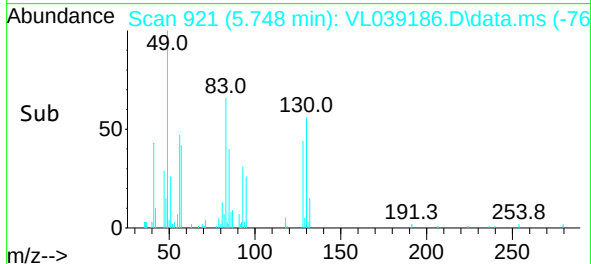
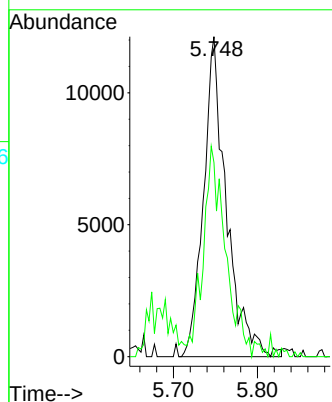
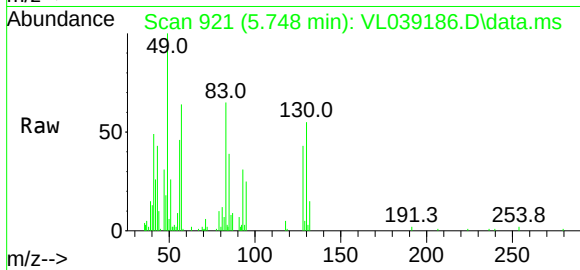
#29
Chloroform
Concen: 0.107 ppbv m
RT: 5.748 min Scan# 91
Delta R.T. -0.013 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion: 83 Resp: 22910
Ion Ratio Lower Upper
83 100
85 60.7 52.4 78.6

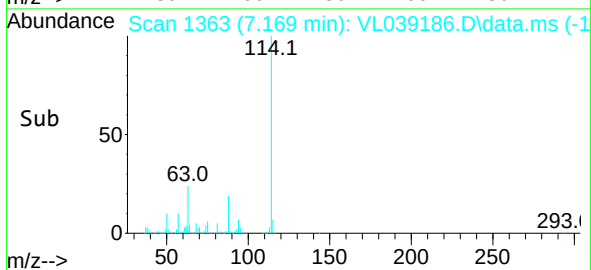
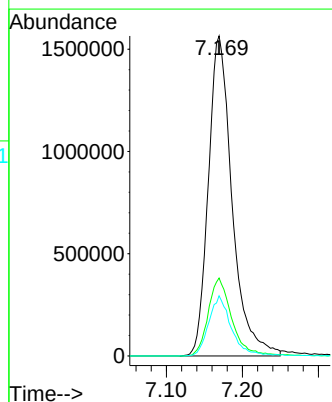
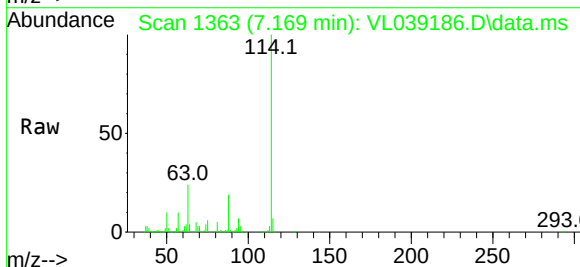
Manual Integrations
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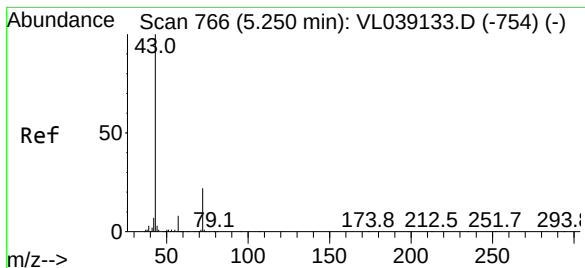
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. -0.013 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

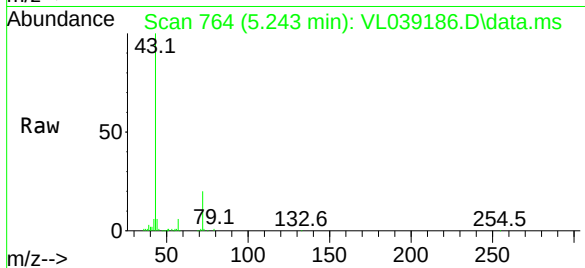
Tgt Ion:114 Resp: 3399047
Ion Ratio Lower Upper
114 100
63 24.4 21.7 32.5
88 18.1 14.8 22.2





#34
2-Butanone
Concen: 0.920 ppbv
RT: 5.243 min Scan# 70
Delta R.T. -0.006 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

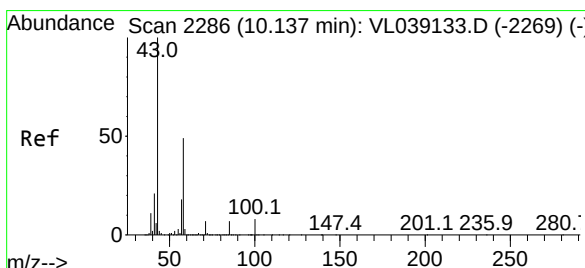
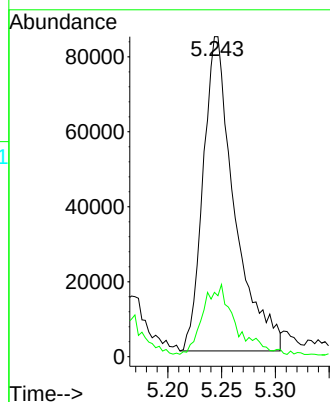
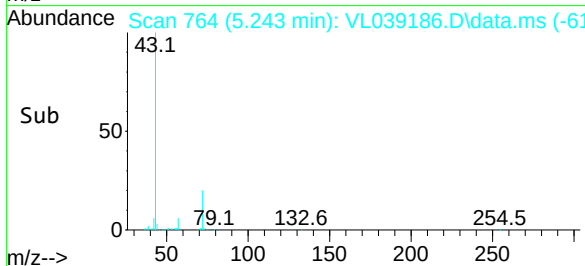
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SG-5DL



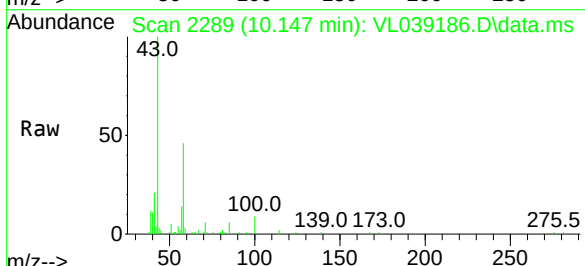
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Ion Ratio Lower Upper
43 100
72 24.5 18.2 27.2

Manual Integrations
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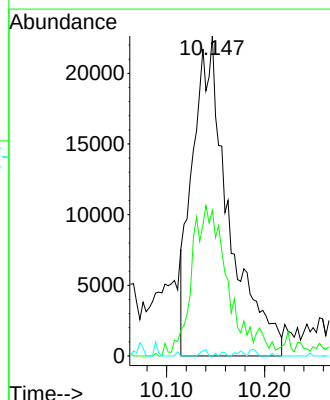
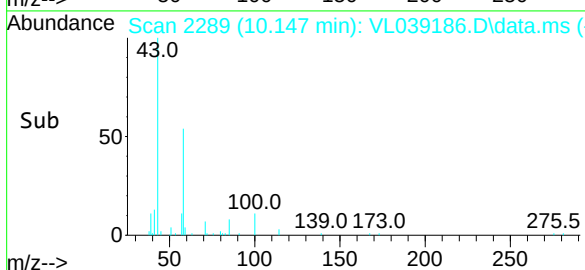
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

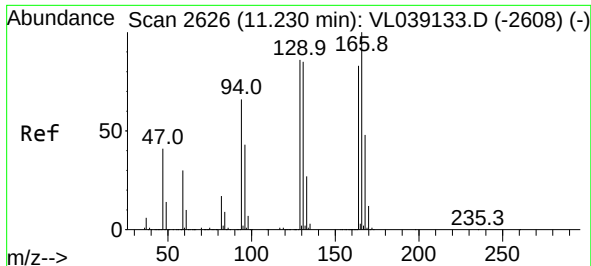


#51
2-Hexanone
Concen: 0.269 ppbv m
RT: 10.147 min Scan# 2289
Delta R.T. 0.010 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52



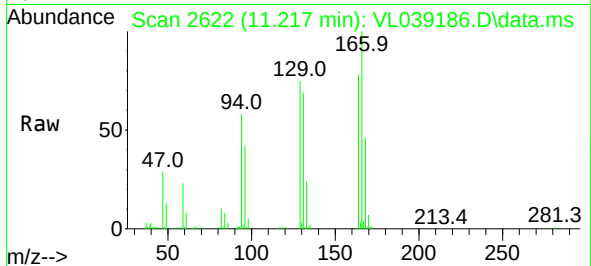
Tgt Ion: 43 Resp: 57913
Ion Ratio Lower Upper
43 100
58 0.0 40.0 60.0#
98 0.1 0.1 0.1





#52
Tetrachloroethene
Concen: 0.978 ppbv m
RT: 11.217 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

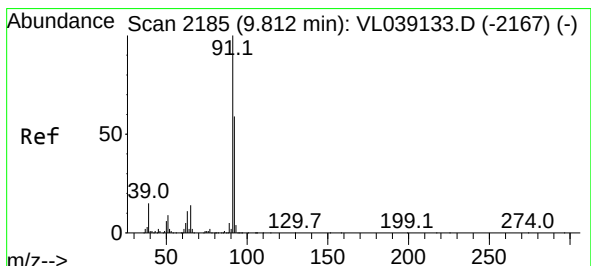
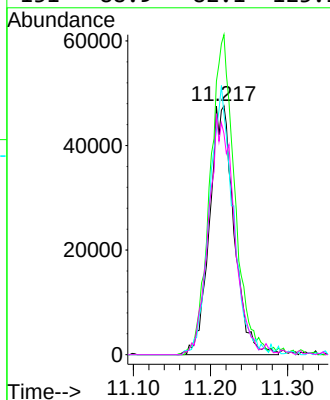
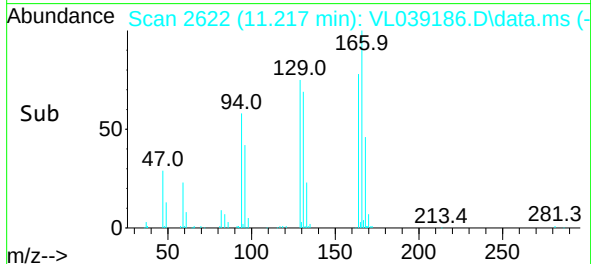
Instrument :
MSVOA_L
ClientSampleId :
SG-5DL



Tgt Ion:164 Resp: 105349
Ion Ratio Lower Upper
164 100
166 128.6 96.3 144.5
129 96.7 82.5 123.7
131 88.9 82.1 123.1

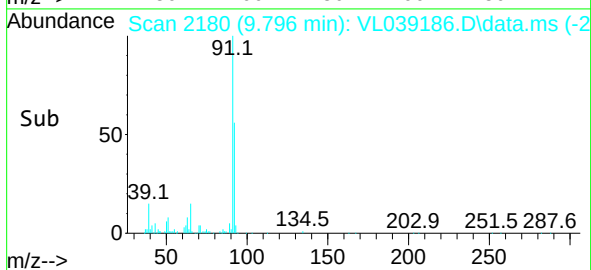
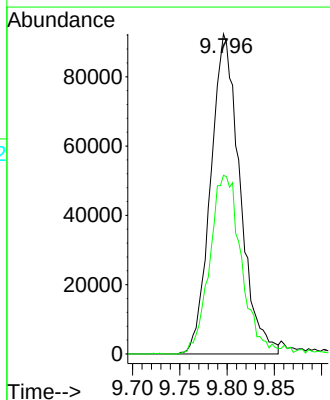
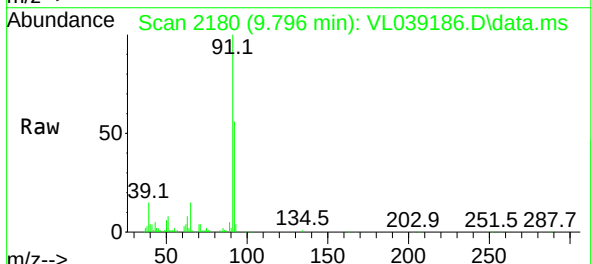
Manual Integrations
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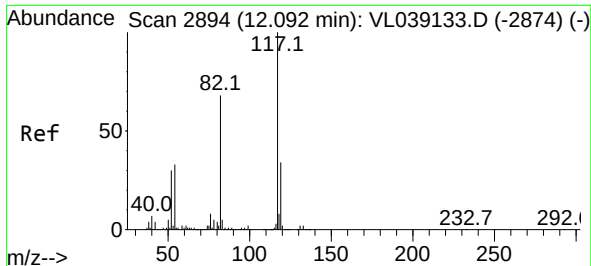
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#53
Toluene
Concen: 0.625 ppbv
RT: 9.796 min Scan# 2180
Delta R.T. -0.016 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

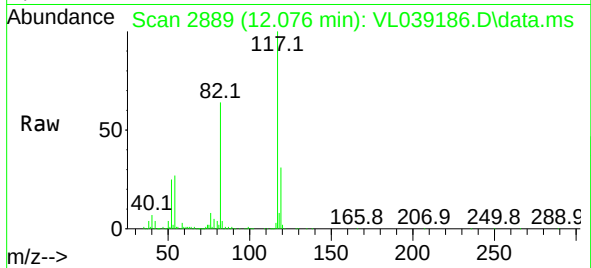
Tgt Ion: 91 Resp: 198446
Ion Ratio Lower Upper
91 100
92 61.4 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 211
Delta R.T. -0.016 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

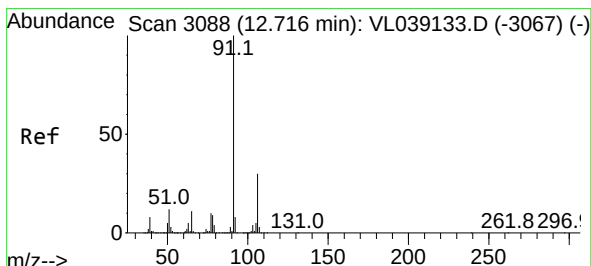
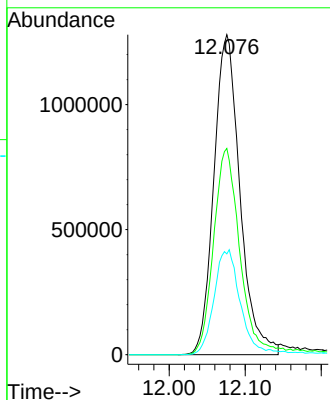
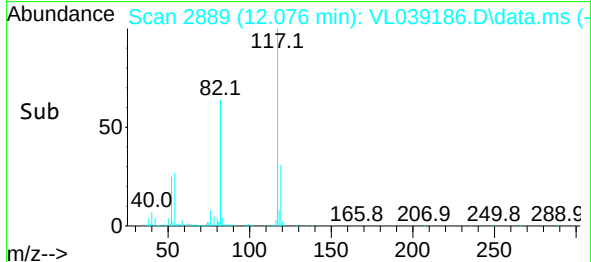
Instrument :
MSVOA_L
ClientSampleId :
SG-5DL



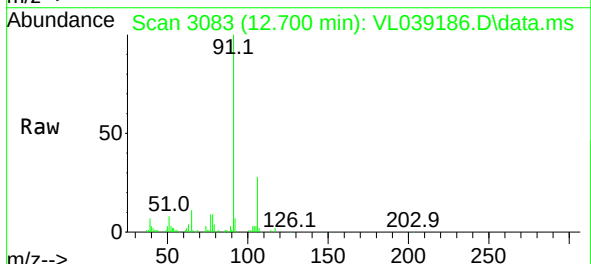
Tgt Ion: 117 Resp: 305201
Ion Ratio Lower Upper
117 100
82 67.0 55.1 82.7
119 34.1 24.7 37.1

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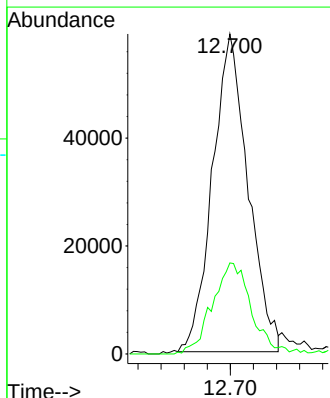
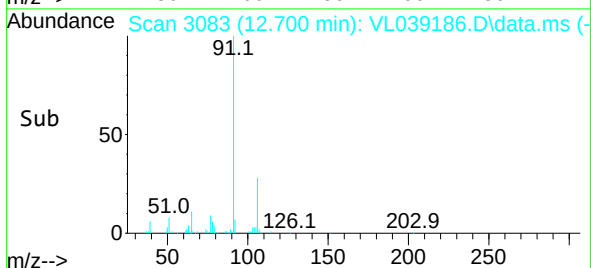
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

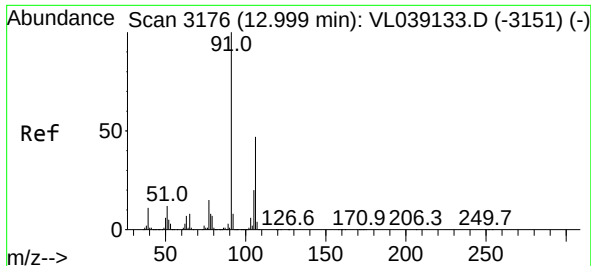


#58
Ethyl Benzene
Concen: 0.300 ppbv
RT: 12.700 min Scan# 3083
Delta R.T. -0.016 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52



Tgt Ion: 91 Resp: 126093
Ion Ratio Lower Upper
91 100
106 28.0 24.2 36.4





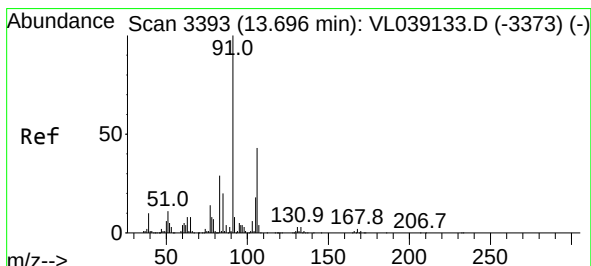
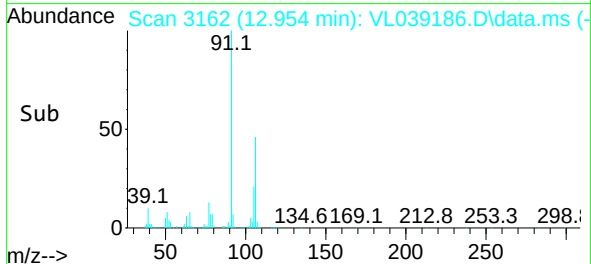
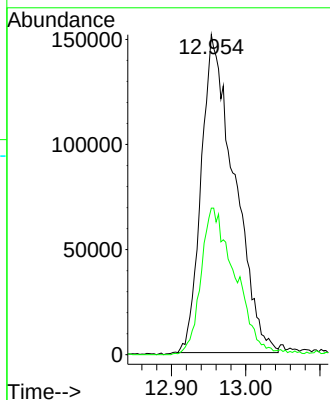
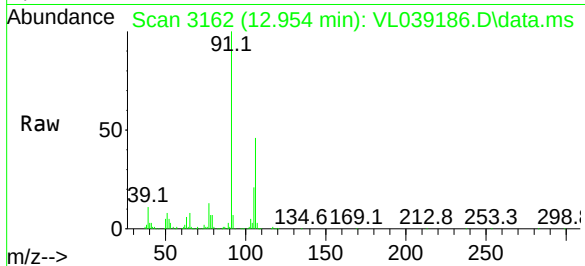
#59
m/p-Xylene
Concen: 1.267 ppbv
RT: 12.954 min Scan# 3176
Delta R.T. -0.045 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion: 91 Resp: 46921
Ion Ratio Lower Upper
91 100
106 47.8 34.3 51.5

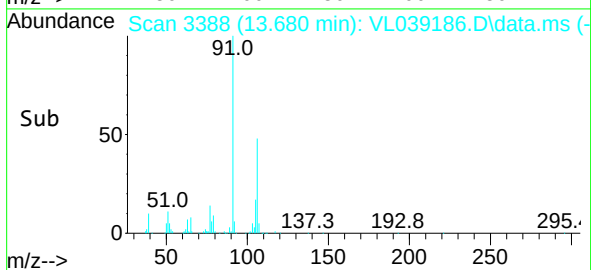
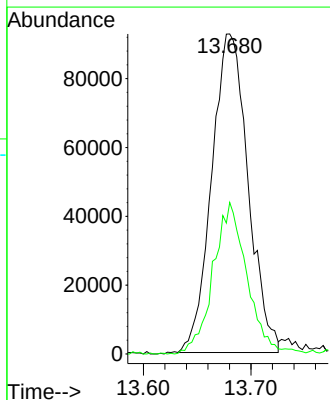
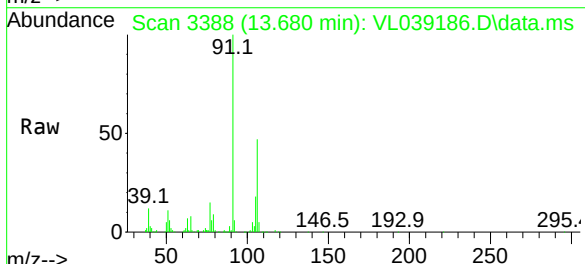
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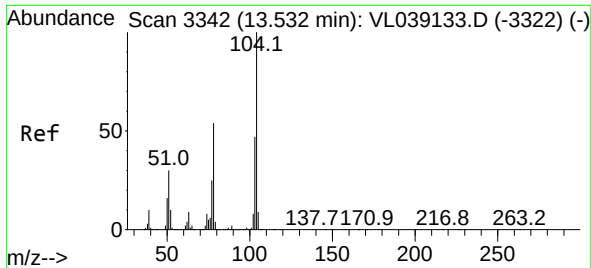
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#60
o-Xylene
Concen: 0.626 ppbv
RT: 13.680 min Scan# 3388
Delta R.T. -0.016 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 91 Resp: 217787
Ion Ratio Lower Upper
91 100
106 45.1 22.3 66.9





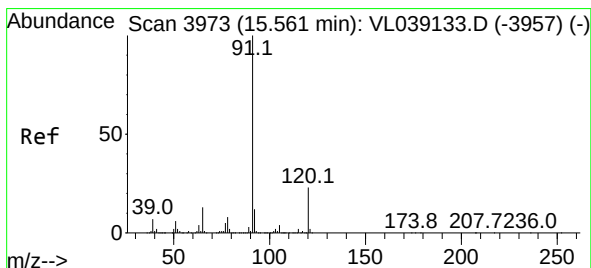
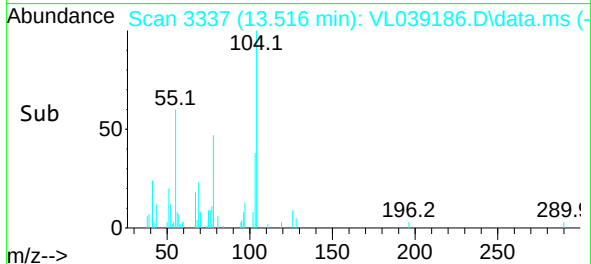
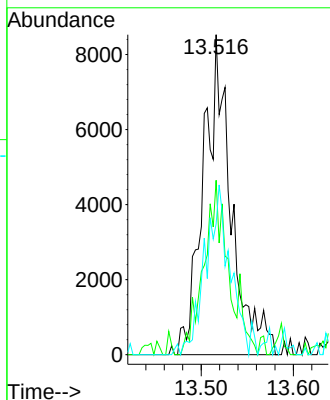
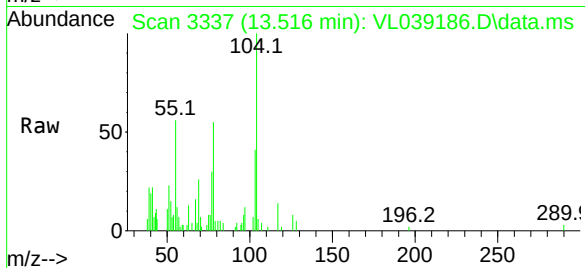
#61
Styrene
Concen: 0.095 ppbv m
RT: 13.516 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion:104 Resp: 17769
Ion Ratio Lower Upper
104 100
78 51.0 45.7 68.5
103 52.1 39.6 59.4

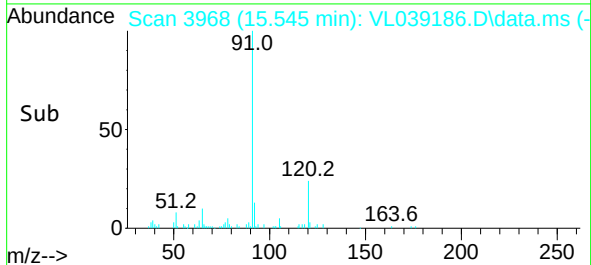
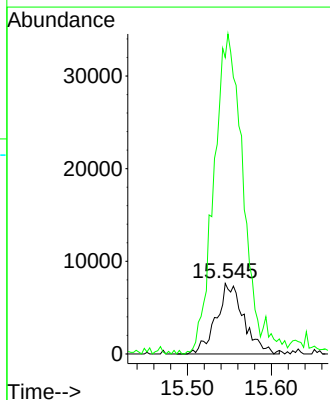
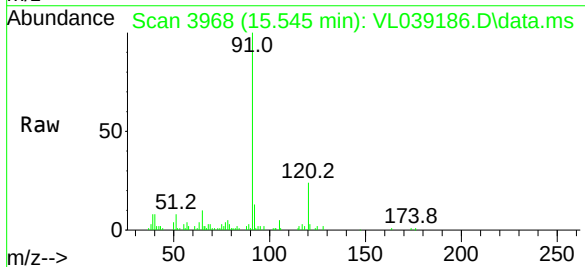
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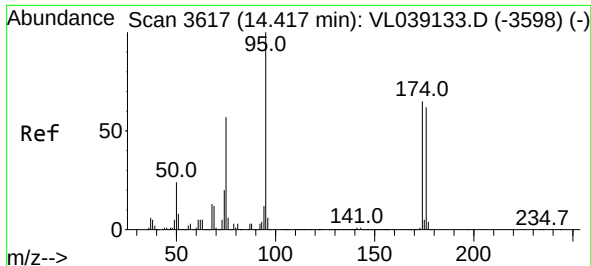
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#64
n-propylbenzene
Concen: 0.136 ppbv m
RT: 15.545 min Scan# 3968
Delta R.T. -0.016 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

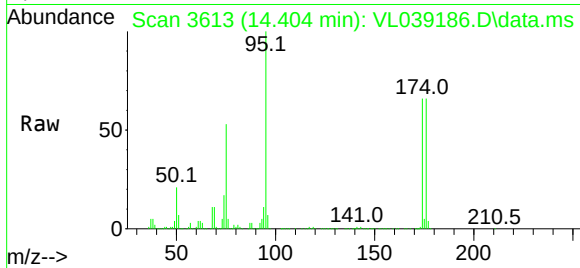
Tgt Ion:120 Resp: 17291
Ion Ratio Lower Upper
120 100
91 506.4 388.4 582.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.448 ppbv
RT: 14.404 min Scan# 3613
Delta R.T. -0.013 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

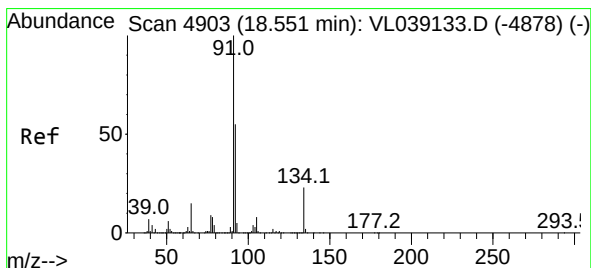
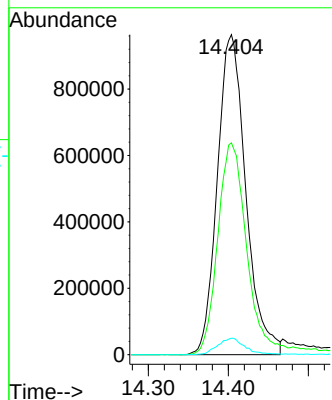
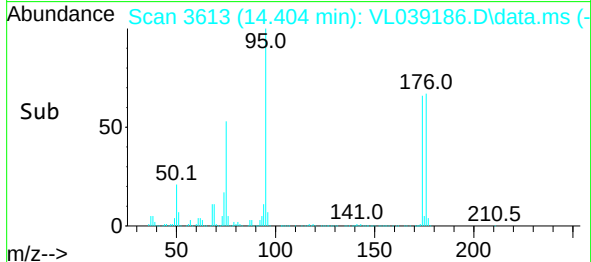
Instrument :
MSVOA_L
ClientSampleId :
SG-5DL



Tgt Ion: 95 Resp: 2384029
Ion Ratio Lower Upper
95 100
174 71.3 53.8 80.8
175 5.0 4.1 6.1

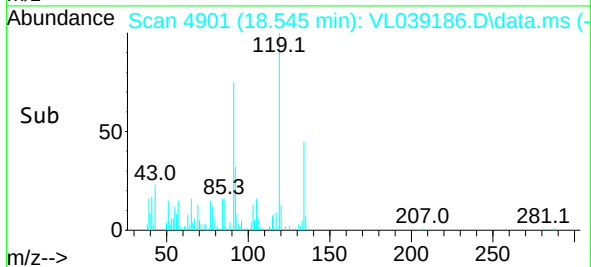
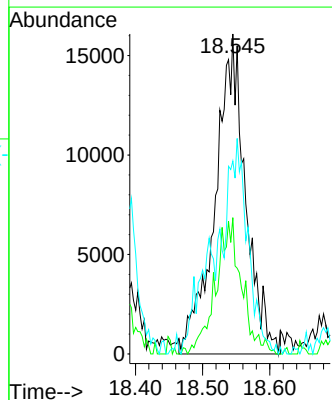
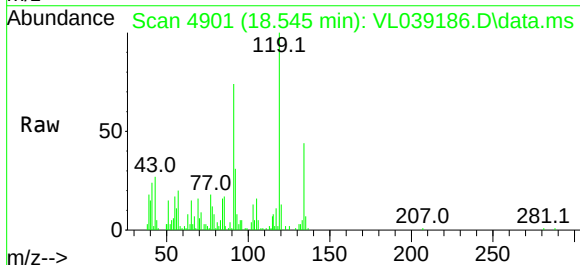
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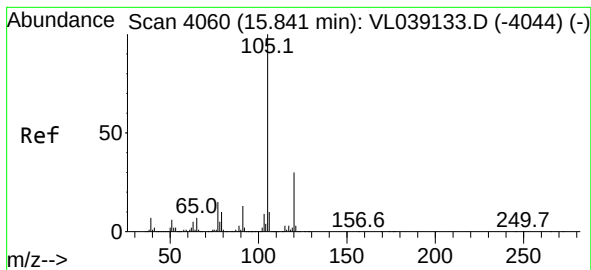
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#70
n-Butylbenzene
Concen: 0.091 ppbv m
RT: 18.545 min Scan# 4901
Delta R.T. -0.006 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 91 Resp: 50694
Ion Ratio Lower Upper
91 100
92 0.0 43.6 65.4#
134 0.0 17.7 26.5#





#72

4-Ethyltoluene

Concen: 0.282 ppbv

RT: 15.831 min Scan# 4060

Delta R.T. -0.010 min

Lab File: VL039186.D

Acq: 6 Jun 2022 14:52

Instrument :

MSVOA_L

ClientSampleId :

SG-5DL

Tgt Ion:105 Resp: 11486

Ion Ratio Lower Upper

105 100

120 29.8 23.9 35.9

91 15.0 10.6 16.0

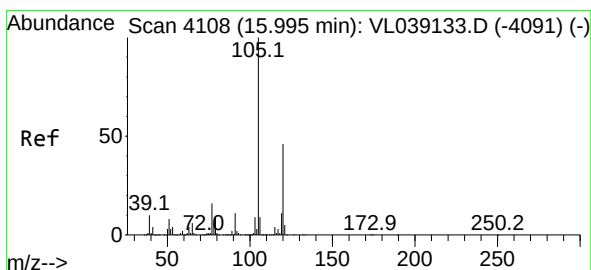
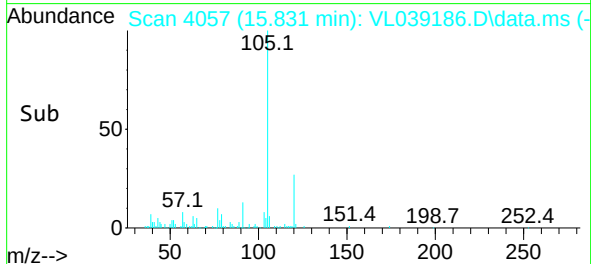
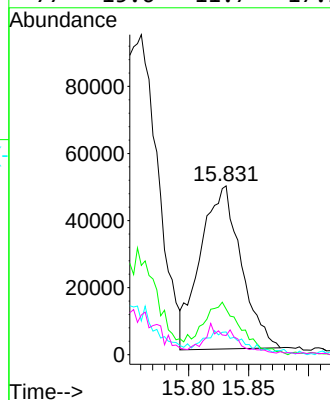
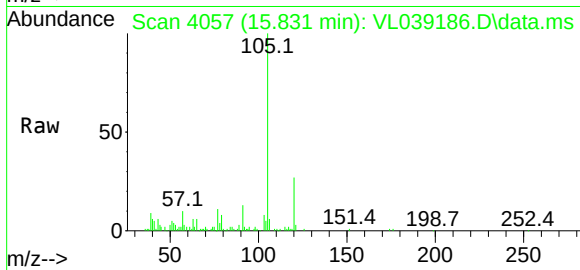
77 15.6 11.7 17.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/07/2022

Supervised By :Mahesh Dadoda 06/07/2022



#73

1,3,5-Trimethylbenzene

Concen: 0.280 ppbv

RT: 15.982 min Scan# 4104

Delta R.T. -0.013 min

Lab File: VL039186.D

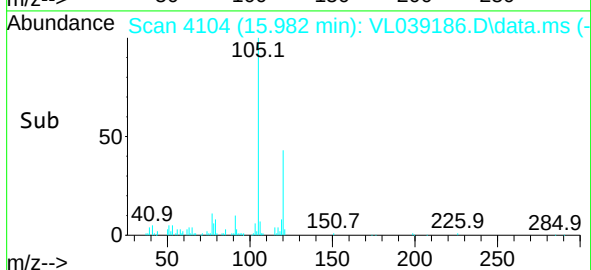
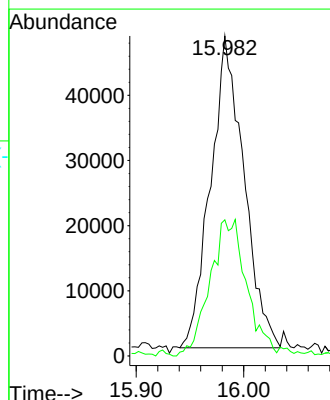
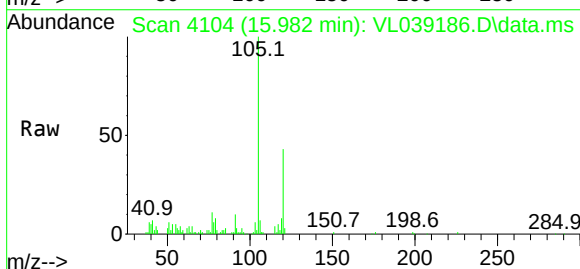
Acq: 6 Jun 2022 14:52

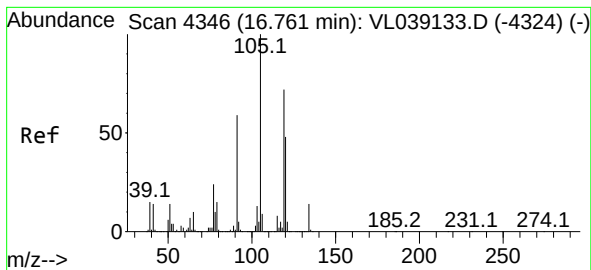
Tgt Ion:105 Resp: 102963

Ion Ratio Lower Upper

105 100

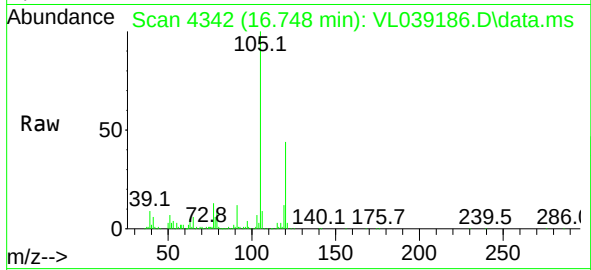
120 42.4 36.7 55.1





#74
 1,2,4-Trimethylbenzene
 Concen: 1.002 ppbv
 RT: 16.748 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL039186.D
 Acq: 6 Jun 2022 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5DL



Tgt Ion:105 Resp: 411048

Ion	Ratio	Lower	Upper
105	100		
120	44.0	38.1	57.1
91	11.6	47.4	71.0
77	12.7	19.5	29.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/07/2022
 Supervised By :Mahesh Dadoda 06/07/2022

