

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071222\
 Data File : VL039466.D
 Acq On : 13 Jul 2022 3:23
 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 07/13/2022
 Supervised By :Mahesh Dadoda 07/13/2022

Quant Time: Jul 13 05:59:14 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 13 11:34:26 2022

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	5.681	49	1420871	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.189	114	3890706	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.095	117	3515691	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.426	95	2674652	10.255	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.057	85	28623	0.140	ppbv	91
3) Chlorodifluoromethane	2.977	51	56709	0.315	ppbv #	63
10) Heptane	8.134	43	44140m	0.231	ppbv	
13) Ethanol	3.607	45	731102	154.792	ppbv	75
15) Acetone	3.861	43	321400	1.912	ppbv	94
17) tert-Butyl alcohol	4.301	59	13608m	0.095	ppbv	
19) Isopropyl Alcohol	3.970	45	1876114	20.924	ppbv #	93
20) Methylene Chloride	4.359	84	288170	4.301	ppbv	97
25) Ethyl Acetate	5.681	43	5416367	15.714	ppbv #	91
29) Chloroform	5.761	83	25811m	0.107	ppbv	
30) Cyclohexane	7.134	84	24263m	0.192	ppbv	
34) 2-Butanone	5.263	43	35591m	0.182	ppbv	
36) Benzene	6.899	78	67977m	0.226	ppbv	
52) Tetrachloroethene	11.234	164	40269m	0.332	ppbv	
53) Toluene	9.816	91	238461	0.687	ppbv	99
58) Ethyl Benzene	12.719	91	129514	0.285	ppbv	93
59) m/p-Xylene	12.979	91	703770	1.758	ppbv	94
60) o-Xylene	13.703	91	351332	0.927	ppbv	99
72) 4-Ethyltoluene	15.851	105	61285m	0.138	ppbv	
73) 1,3,5-Trimethylbenzene	16.008	105	78777	0.192	ppbv	97
74) 1,2,4-Trimethylbenzene	16.773	105	253124	0.559	ppbv #	70

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

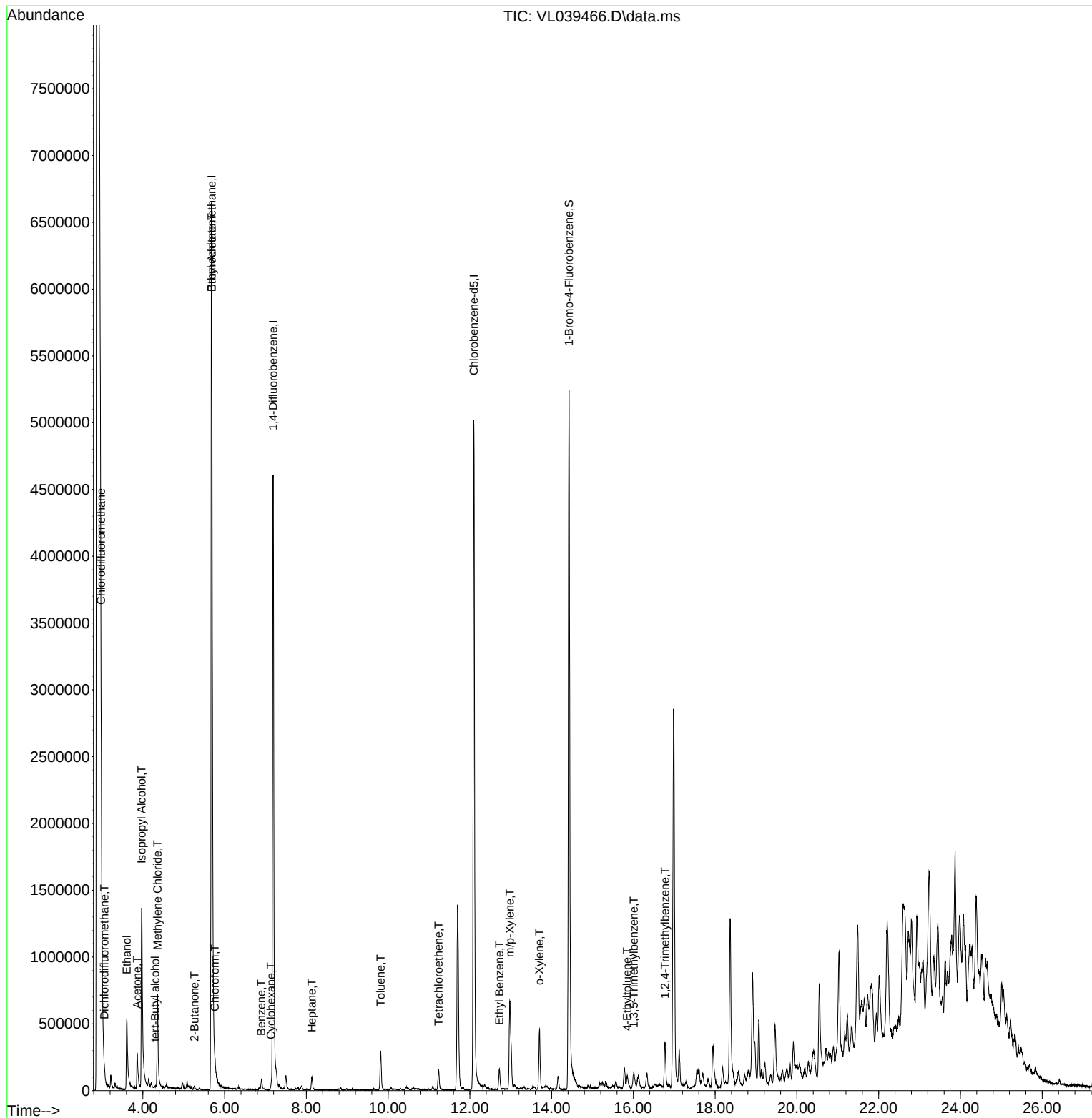
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071222\
Data File : VL039466.D
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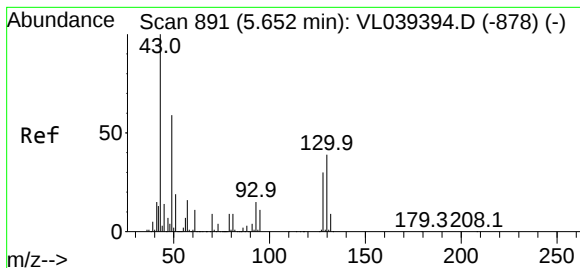
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Quant Time: Jul 13 05:59:14 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

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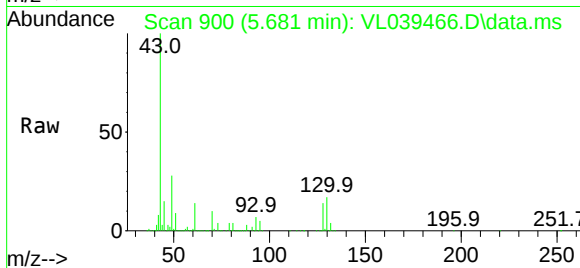
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.681 min Scan# 90
Delta R.T. 0.029 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

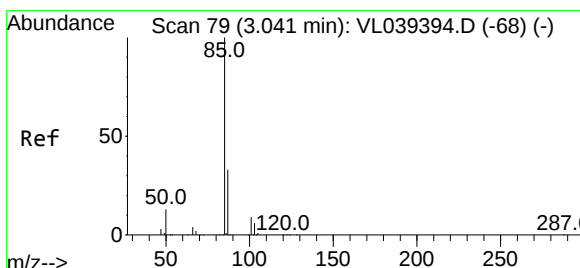
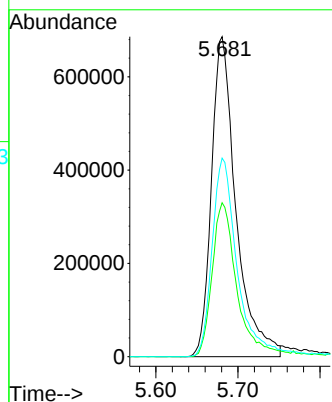
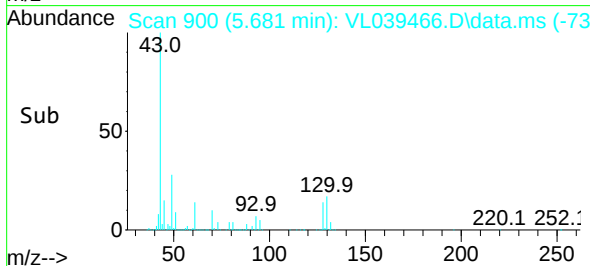
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



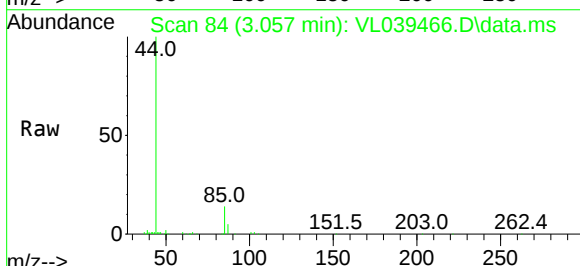
Tgt Ion: 49 Resp: 142087
Ion Ratio Lower Upper
49 100
128 49.9 26.7 80.0
130 65.3 34.3 102.8

Manual Integrations
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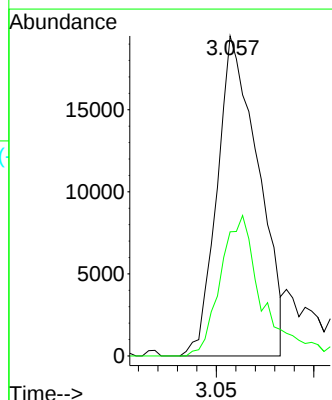
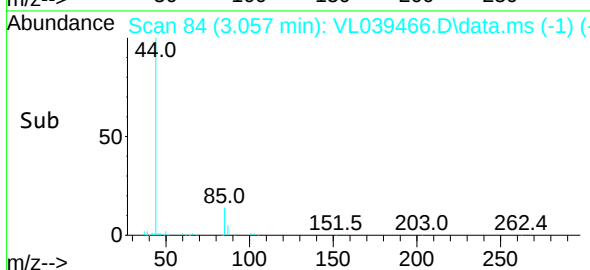
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

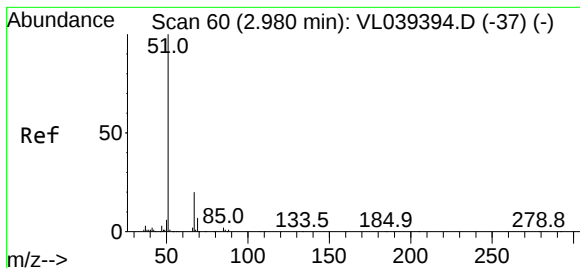


#2
Dichlorodifluoromethane
Concen: 0.140 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23



Tgt Ion: 85 Resp: 28623
Ion Ratio Lower Upper
85 100
87 38.8 26.7 40.1





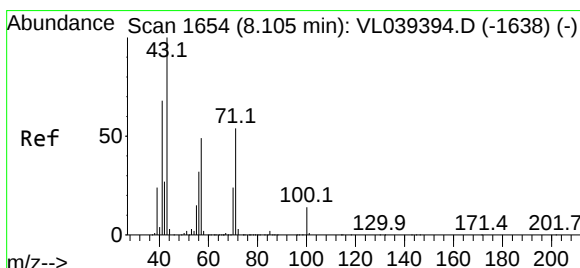
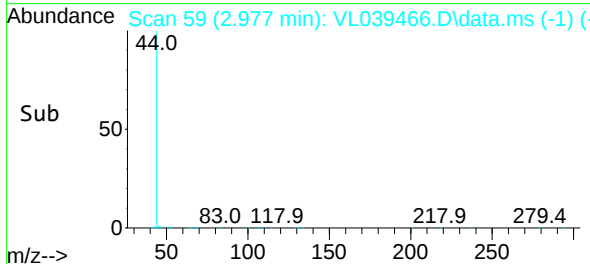
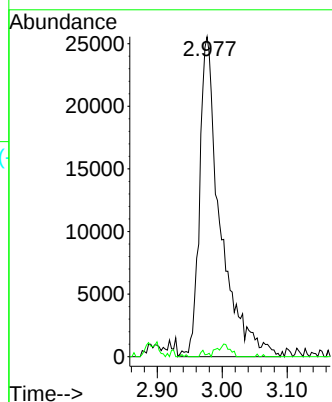
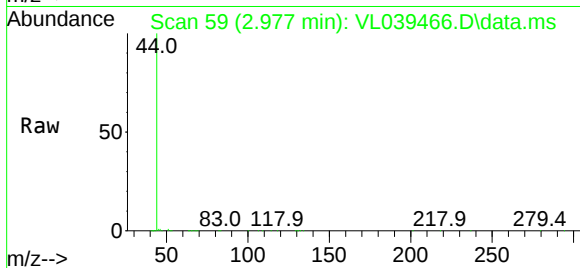
#3
Chlorodifluoromethane
Concen: 0.315 ppbv
RT: 2.977 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 51 Resp: 56709
Ion Ratio Lower Upper
51 100
67 2.9 15.7 23.5

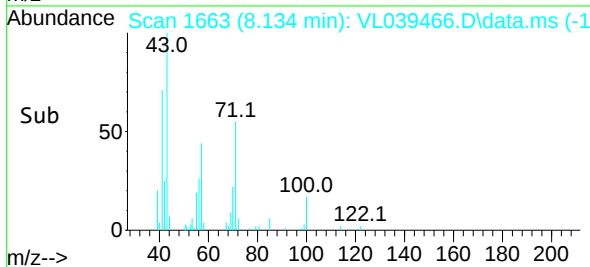
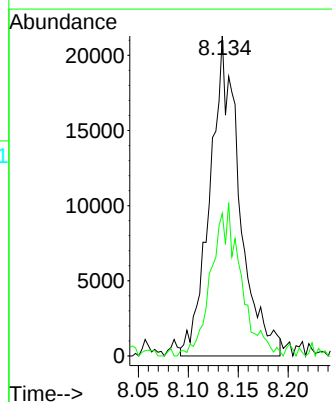
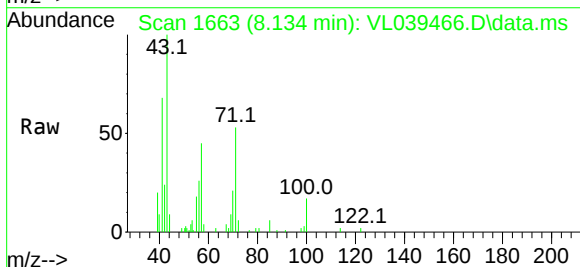
Manual Integrations
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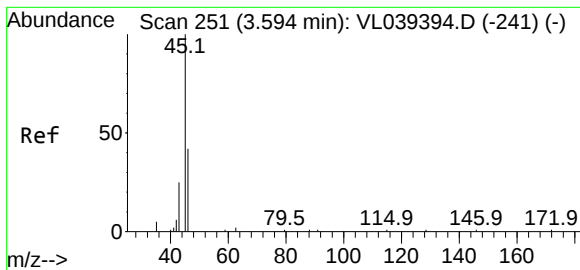
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#10
Heptane
Concen: 0.231 ppbv m
RT: 8.134 min Scan# 1663
Delta R.T. 0.029 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

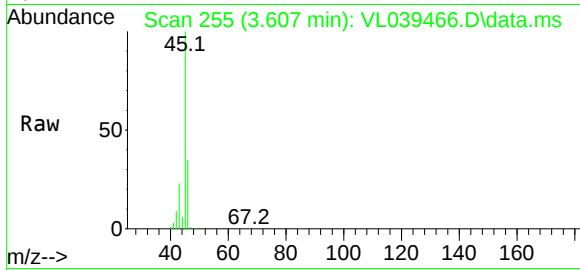
Tgt Ion: 43 Resp: 44140
Ion Ratio Lower Upper
43 100
57 46.8 40.5 60.7





#13
Ethanol
Concen: 154.792 ppbv
RT: 3.607 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

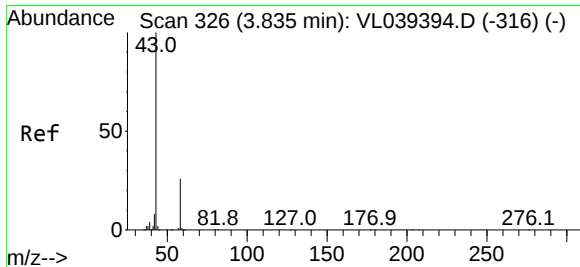
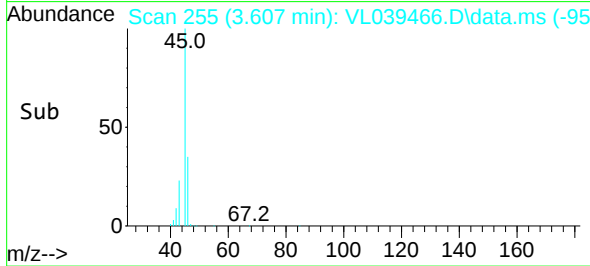
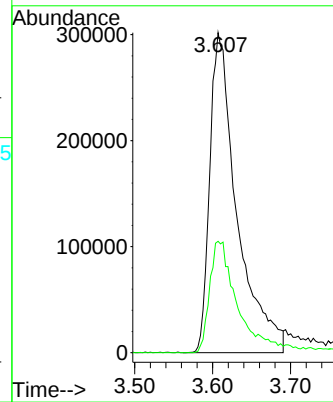
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 45 Resp: 731102
Ion Ratio Lower Upper
45 100
46 38.6 22.8 91.2

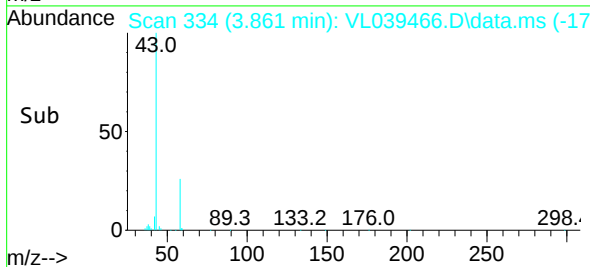
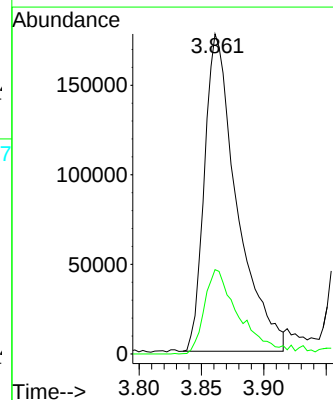
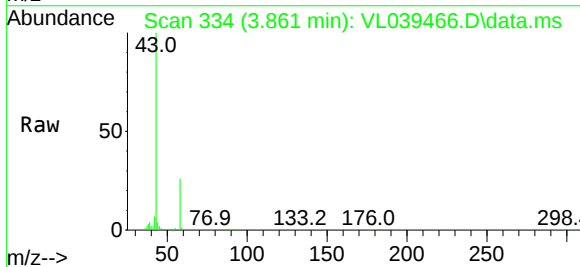
Manual Integrations
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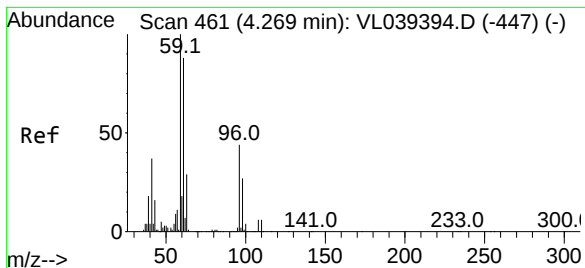
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#15
Acetone
Concen: 1.912 ppbv
RT: 3.861 min Scan# 334
Delta R.T. 0.026 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

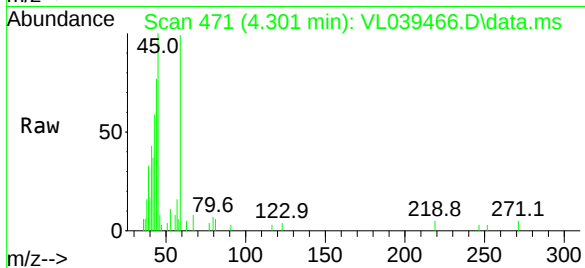
Tgt Ion: 43 Resp: 321400
Ion Ratio Lower Upper
43 100
58 29.2 21.0 31.6





#17
tert-Butyl alcohol
Concen: 0.095 ppbv m
RT: 4.301 min Scan# 41
Delta R.T. 0.032 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

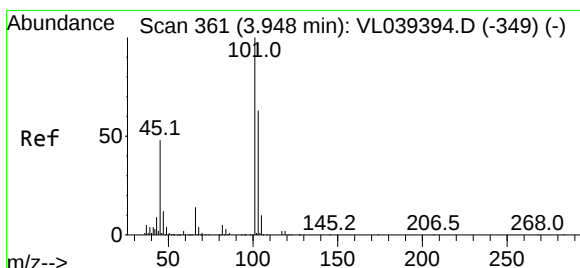
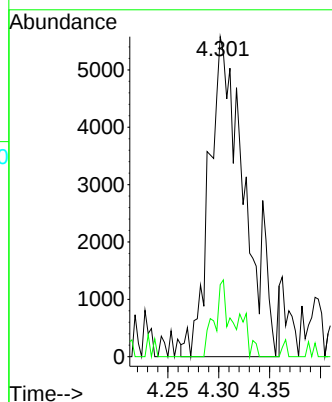
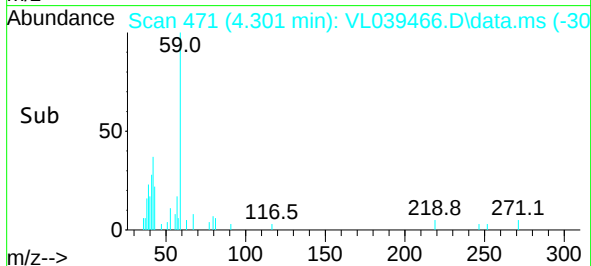
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 59 Resp: 13608
Ion Ratio Lower Upper
59 100
57 58.7 8.7 13.1

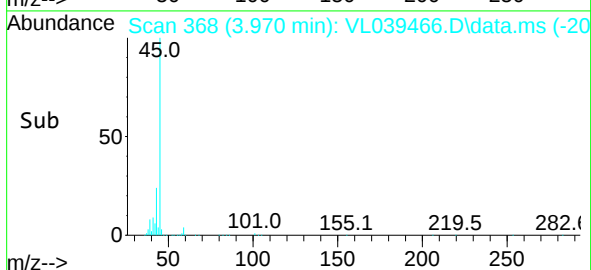
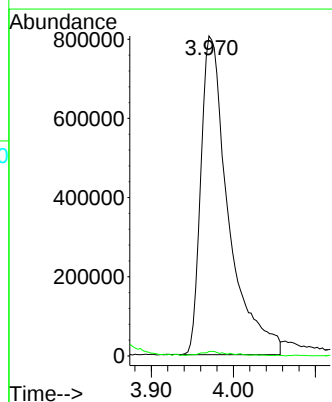
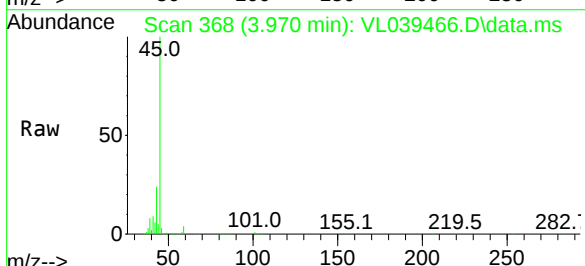
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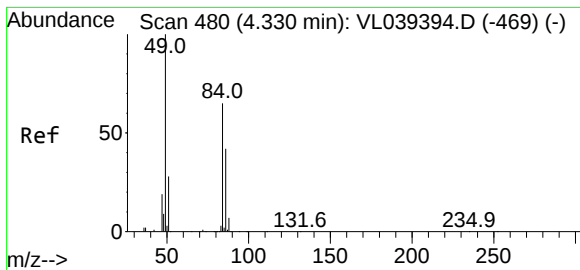
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#19
Isopropyl Alcohol
Concen: 20.924 ppbv
RT: 3.970 min Scan# 368
Delta R.T. 0.023 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

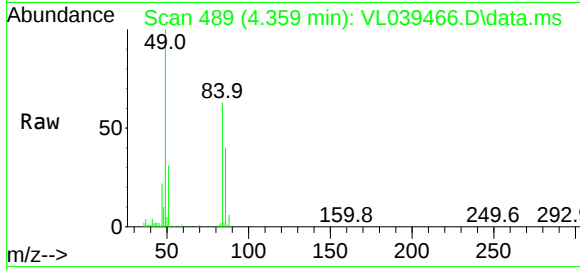
Tgt Ion: 45 Resp: 1876114
Ion Ratio Lower Upper
45 100
58 1.7 3.2 4.8





#20
Methylene Chloride
Concen: 4.301 ppbv
RT: 4.359 min Scan# 41
Delta R.T. 0.029 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

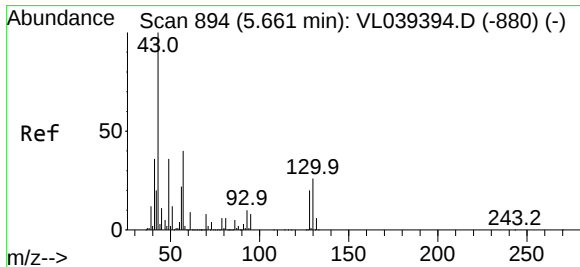
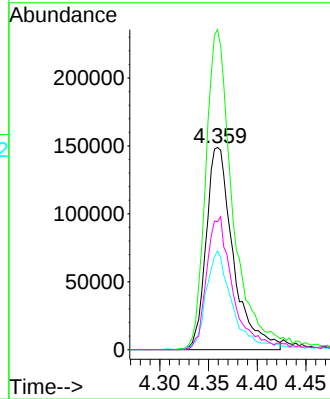
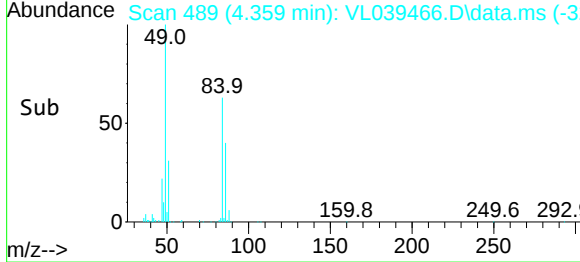
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 84 Resp: 288170
Ion Ratio Lower Upper
84 100
49 157.8 123.1 184.7
51 48.6 34.4 51.6
86 63.3 51.1 76.7

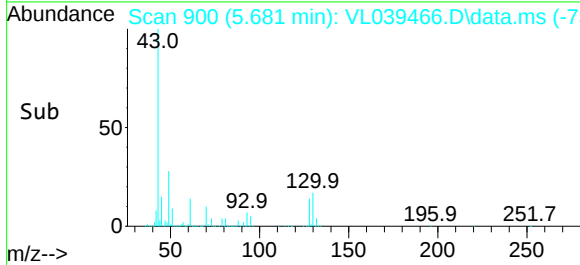
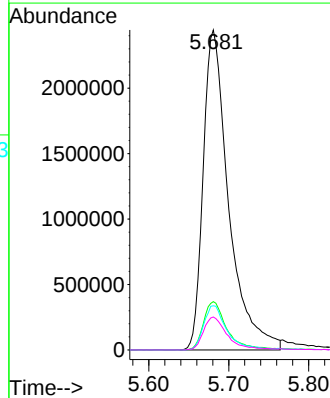
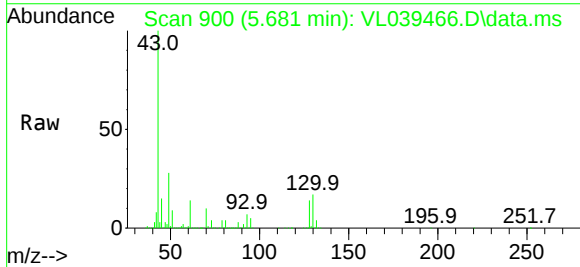
Manual Integrations
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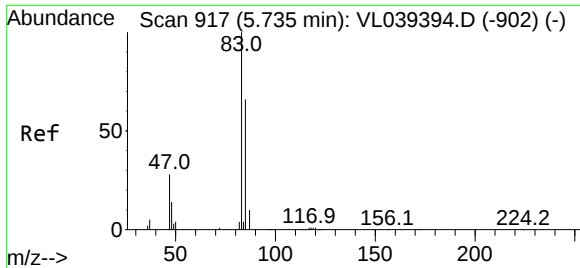
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#25
Ethyl Acetate
Concen: 15.714 ppbv
RT: 5.681 min Scan# 900
Delta R.T. 0.019 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

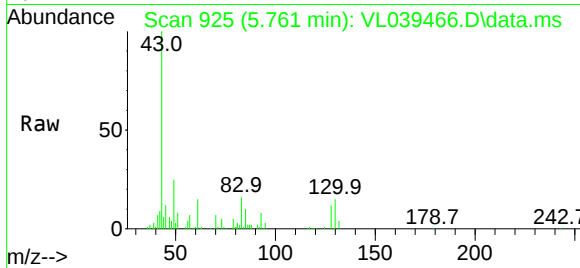
Tgt Ion: 43 Resp: 5416367
Ion Ratio Lower Upper
43 100
45 14.5 8.2 12.4#
61 13.3 8.3 12.5#
70 10.1 5.9 8.9#





#29
Chloroform
Concen: 0.107 ppbv m
RT: 5.761 min Scan# 917
Delta R.T. 0.026 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

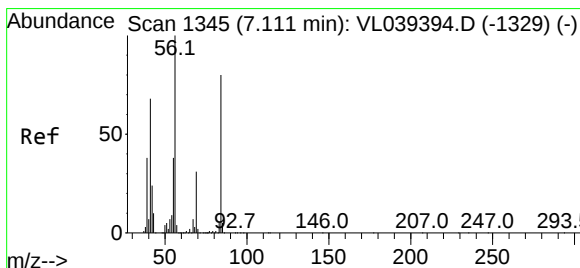
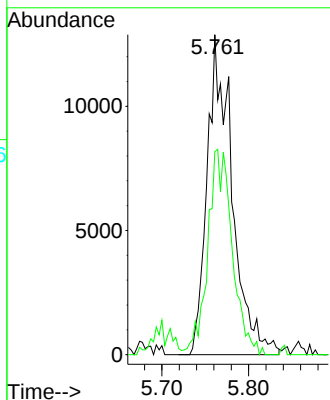
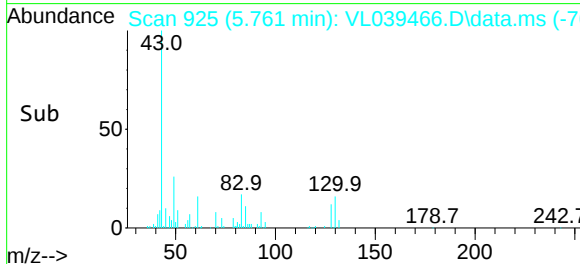
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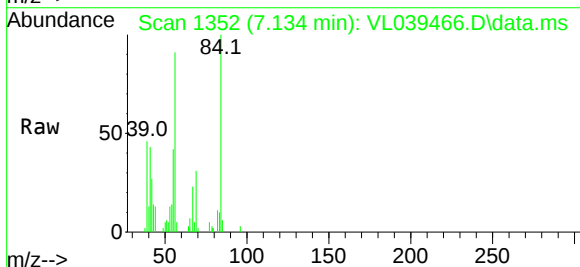
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Ion Ratio Lower Upper
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85 63.5 52.8 79.2

Manual Integrations
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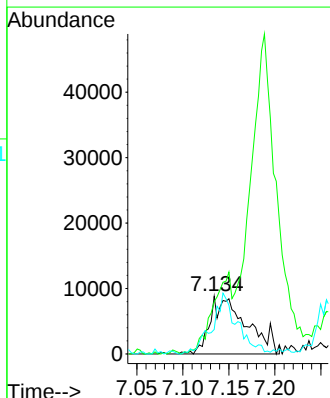
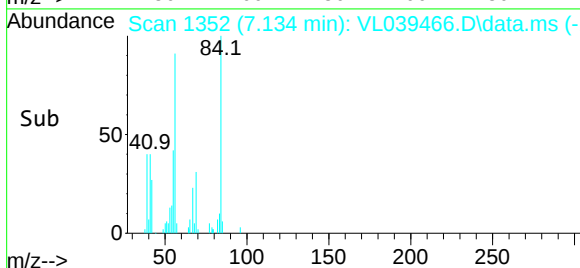
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

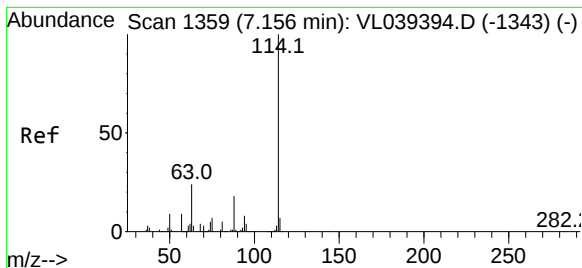


#30
Cyclohexane
Concen: 0.192 ppbv m
RT: 7.134 min Scan# 1352
Delta R.T. 0.023 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23



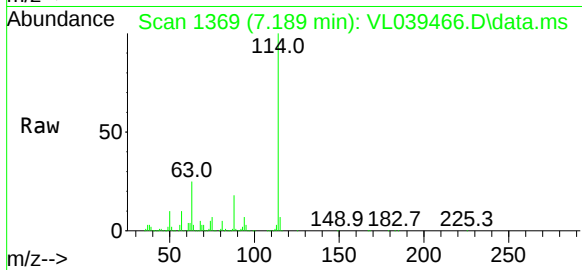
Tgt Ion: 84 Resp: 24263
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 74.8 67.7 101.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.189 min Scan# 114
Delta R.T. 0.032 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

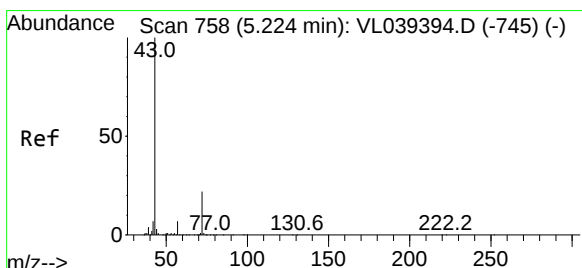
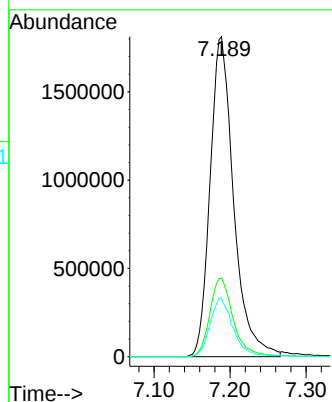
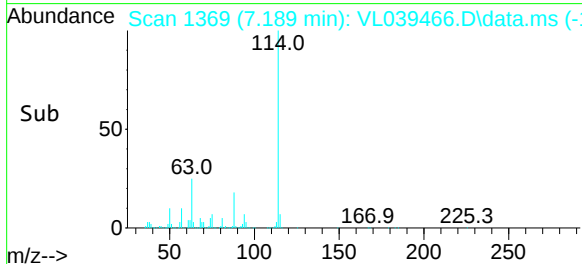
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion:114 Resp: 3890700
Ion Ratio Lower Upper
114 100
63 24.7 20.2 30.4
88 18.2 14.5 21.7

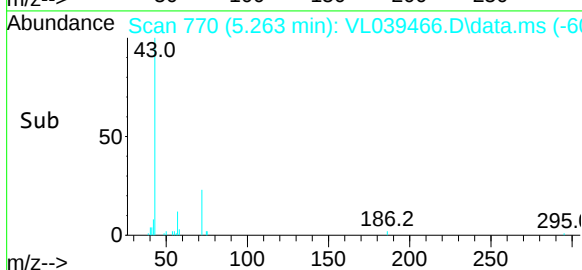
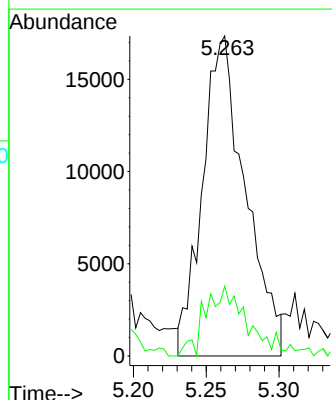
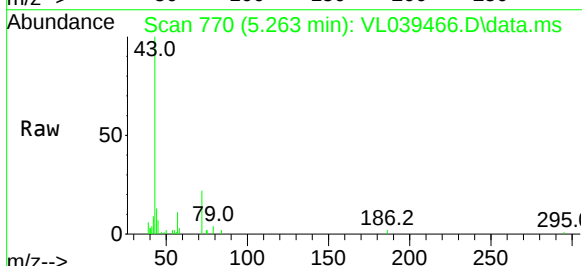
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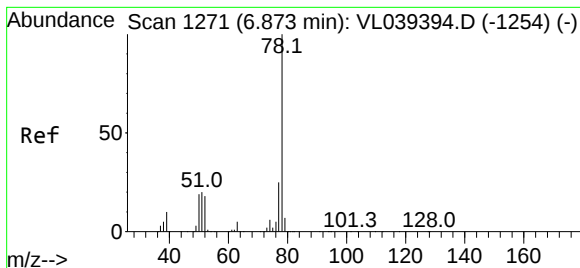
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#34
2-Butanone
Concen: 0.182 ppbv m
RT: 5.263 min Scan# 770
Delta R.T. 0.039 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 43 Resp: 35591
Ion Ratio Lower Upper
43 100
72 10.8 17.9 26.9#





#36

Benzene

Concen: 0.226 ppbv m

RT: 6.899 min Scan# 1

Delta R.T. 0.026 min

Lab File: VL039466.D

Acq: 13 Jul 2022 3:23

Instrument :

MSVOA_L

ClientSampleId :

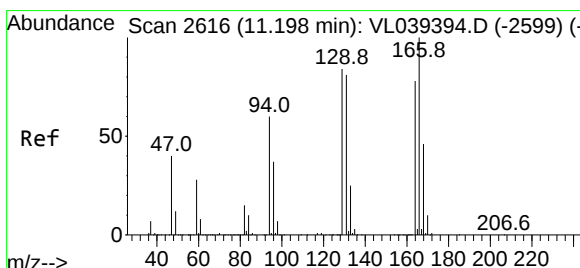
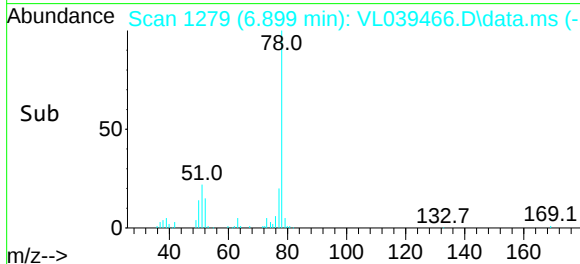
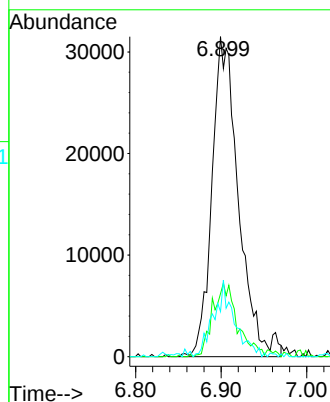
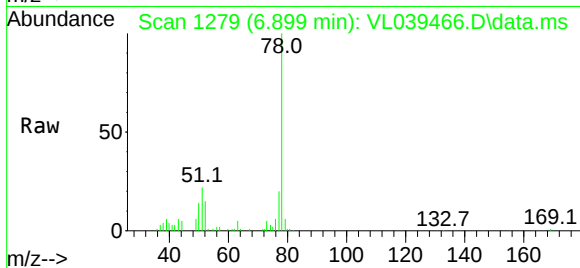
SG-2DL

Tgt Ion: 78	Resp: 6797
Ion Ratio	Lower Upper
78 100	
77 19.7	20.3 30.5
50 14.1	15.5 23.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#52

Tetrachloroethene

Concen: 0.332 ppbv m

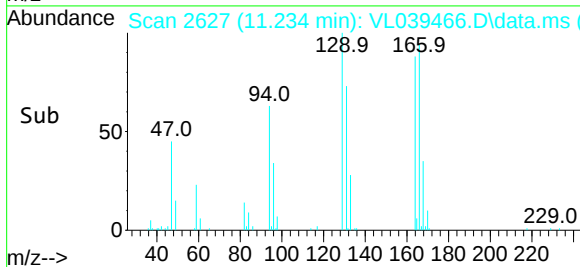
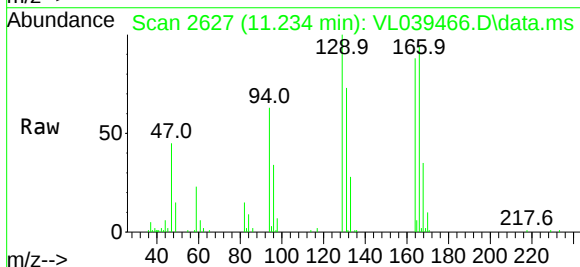
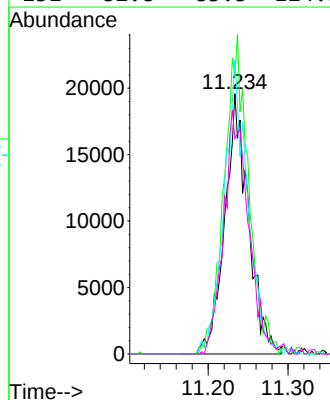
RT: 11.234 min Scan# 2627

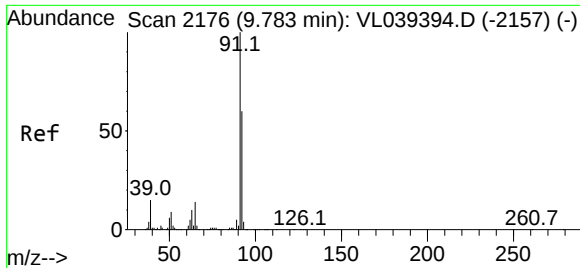
Delta R.T. 0.035 min

Lab File: VL039466.D

Acq: 13 Jul 2022 3:23

Tgt Ion:164	Resp: 40269
Ion Ratio	Lower Upper
164 100	
166 106.7	102.2 153.2
129 113.2	85.8 128.8
131 82.8	83.3 124.9





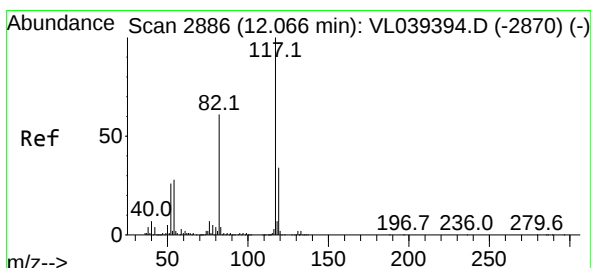
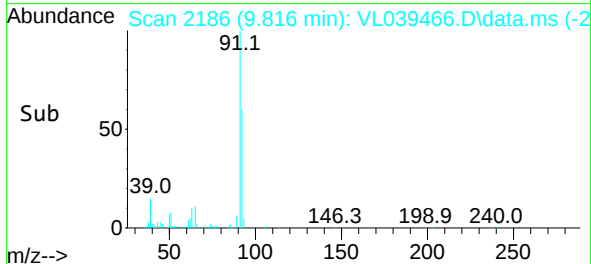
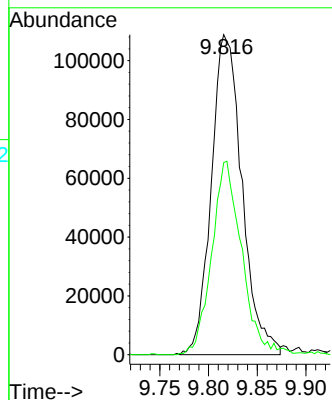
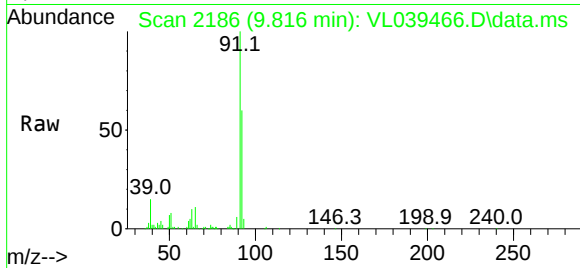
#53
Toluene
Concen: 0.687 ppbv
RT: 9.816 min Scan# 2176
Delta R.T. 0.032 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 91 Resp: 23846
Ion Ratio Lower Upper
91 100
92 59.7 48.2 72.2

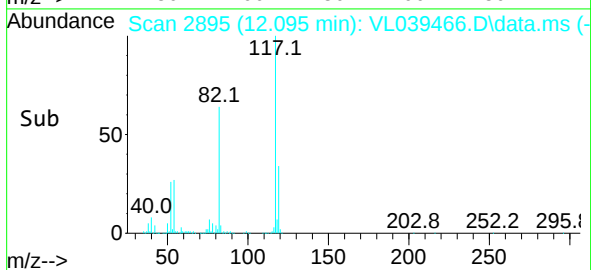
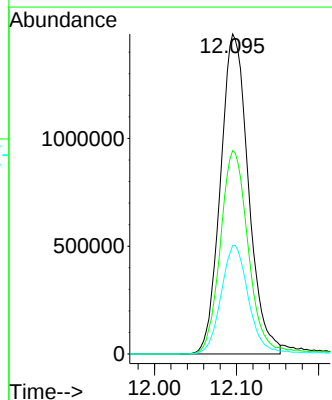
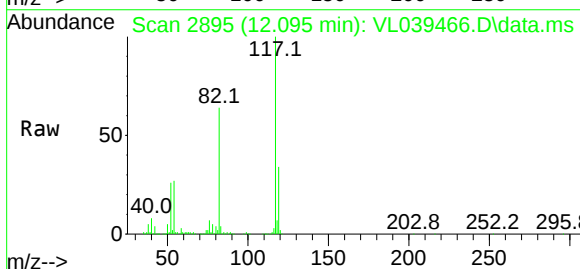
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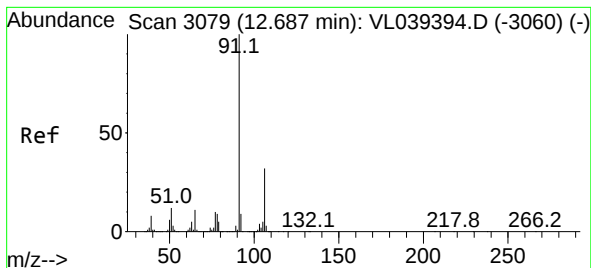
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.095 min Scan# 2895
Delta R.T. 0.029 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

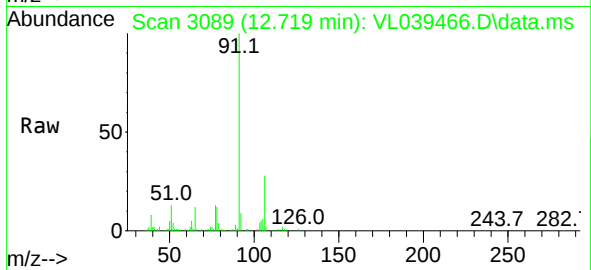
Tgt Ion:117 Resp: 3515691
Ion Ratio Lower Upper
117 100
82 65.1 50.8 76.2
119 33.8 24.1 36.1





#58
Ethyl Benzene
Concen: 0.285 ppbv
RT: 12.719 min Scan# 3079
Delta R.T. 0.032 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

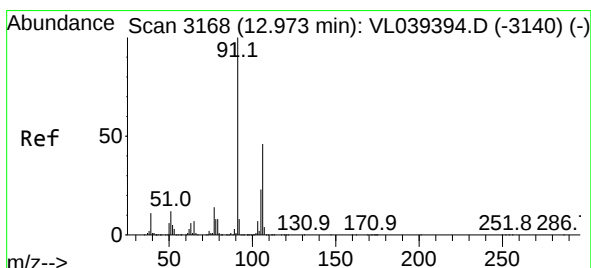
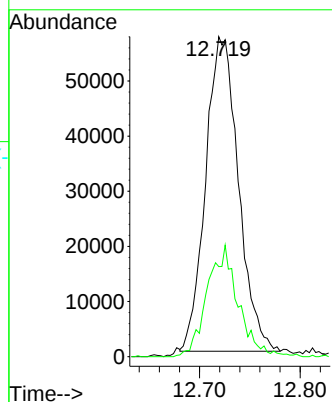
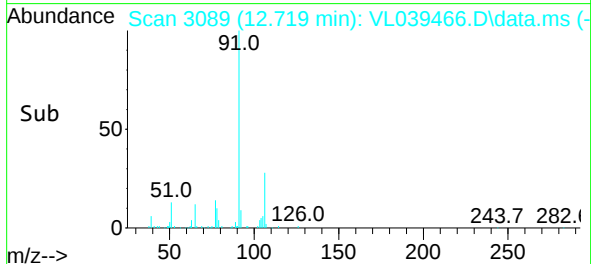
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



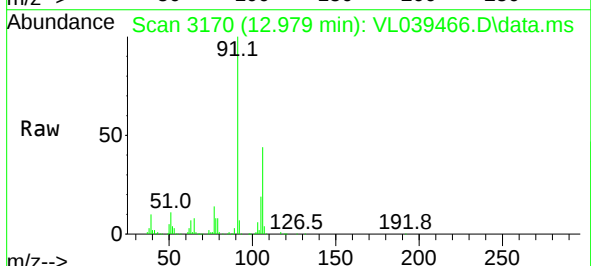
Tgt Ion: 91 Resp: 129514
Ion Ratio Lower Upper
91 100
106 28.1 25.4 38.0

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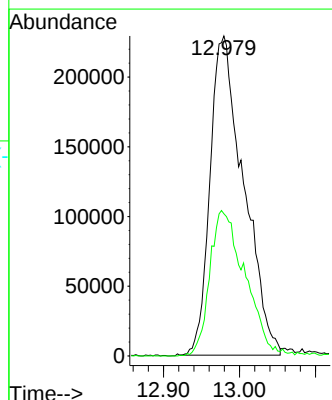
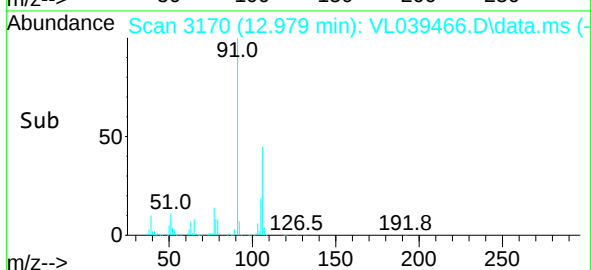
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

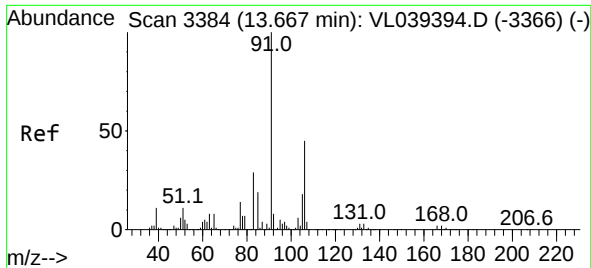


#59
m/p-Xylene
Concen: 1.758 ppbv
RT: 12.979 min Scan# 3170
Delta R.T. 0.007 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23



Tgt Ion: 91 Resp: 703770
Ion Ratio Lower Upper
91 100
106 47.9 35.4 53.2





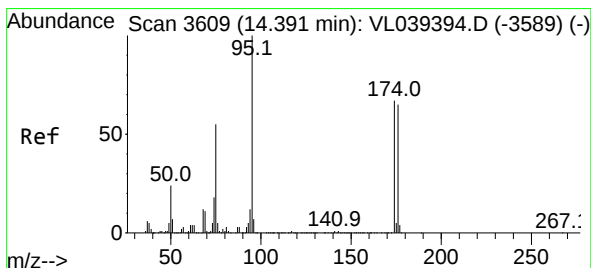
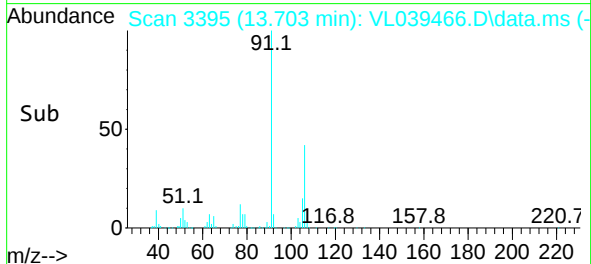
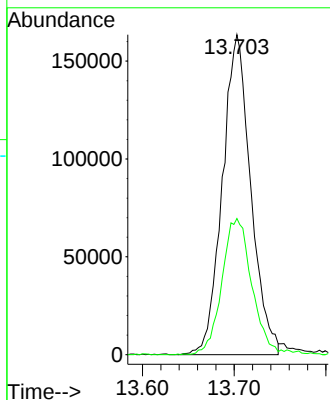
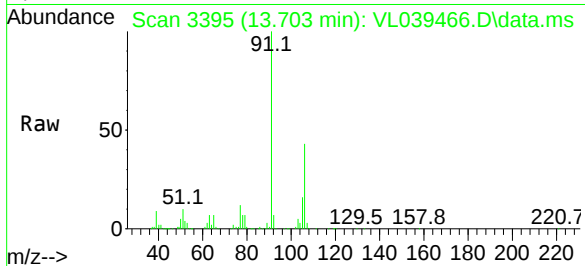
#60
o-Xylene
Concen: 0.927 ppbv
RT: 13.703 min Scan# 31
Delta R.T. 0.035 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 91 Resp: 35133
Ion Ratio Lower Upper
91 100
106 45.4 22.4 67.3

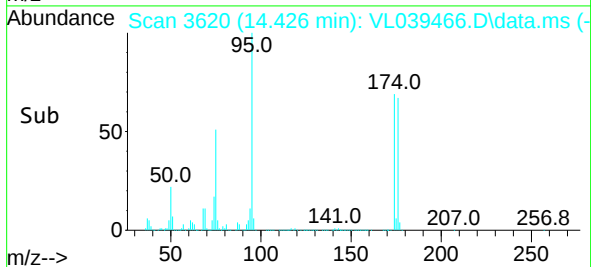
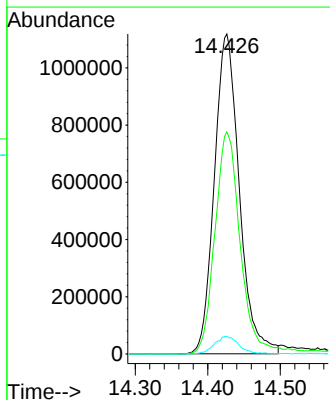
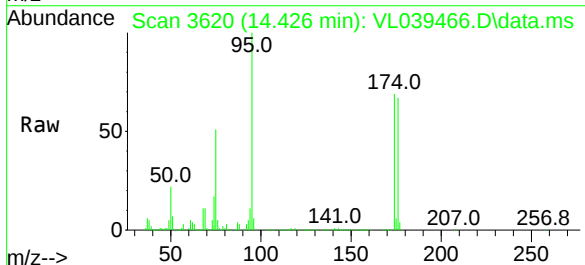
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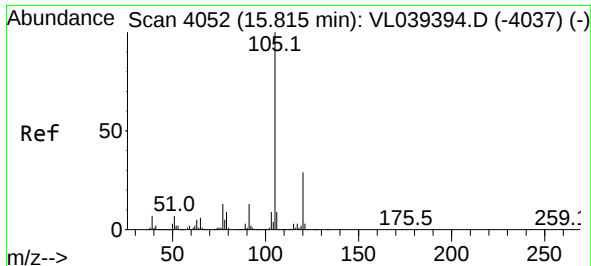
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.255 ppbv
RT: 14.426 min Scan# 3620
Delta R.T. 0.035 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 95 Resp: 2674652
Ion Ratio Lower Upper
95 100
174 72.9 55.9 83.9
175 5.4 4.2 6.4





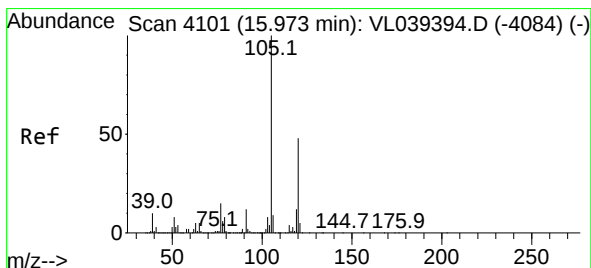
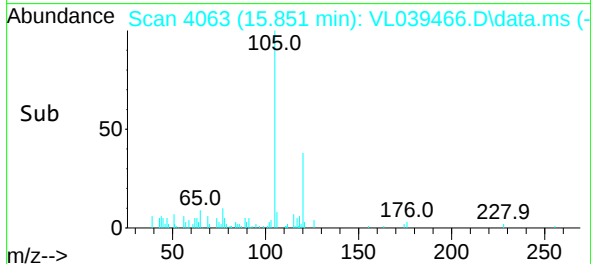
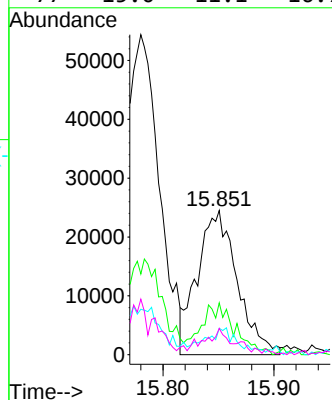
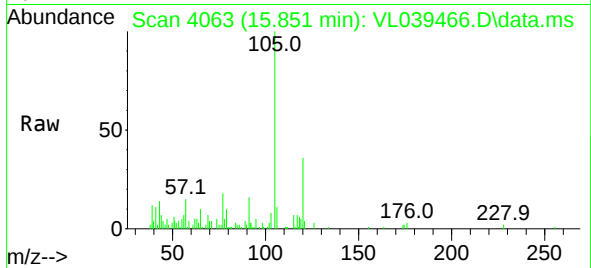
#72
4-Ethyltoluene
Concen: 0.138 ppbv m
RT: 15.851 min Scan# 4052
Delta R.T. 0.035 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion:105 Resp: 61285
Ion Ratio Lower Upper
105 100
120 29.4 24.2 36.2
91 0.0 10.2 15.4
77 15.0 11.1 16.7

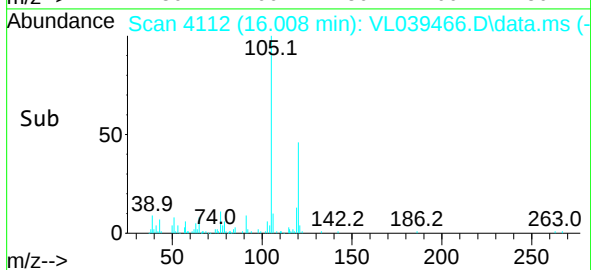
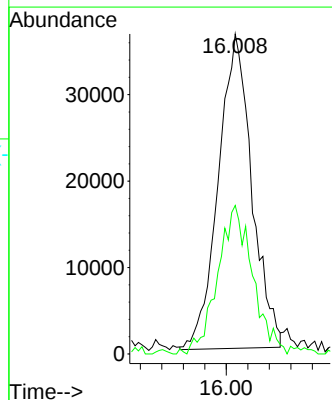
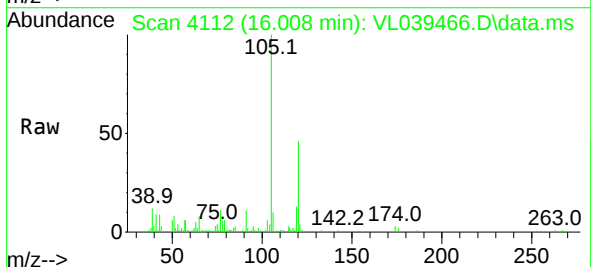
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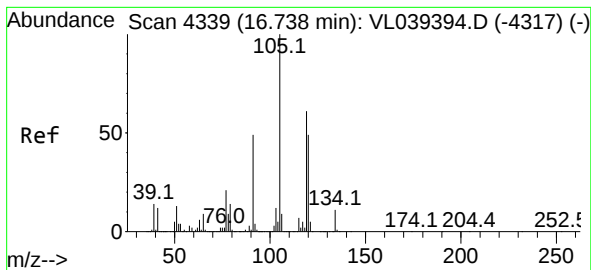
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.192 ppbv
RT: 16.008 min Scan# 4112
Delta R.T. 0.035 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

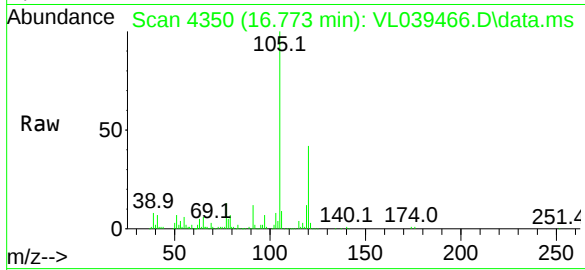
Tgt Ion:105 Resp: 78777
Ion Ratio Lower Upper
105 100
120 45.8 38.2 57.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.559 ppbv
 RT: 16.773 min Scan# 41
 Delta R.T. 0.035 min
 Lab File: VL039466.D
 Acq: 13 Jul 2022 3:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL



Tgt Ion:105 Resp: 253124
 Ion Ratio Lower Upper
 105 100
 120 41.9 39.5 59.3
 91 11.7 39.2 58.8
 77 13.1 17.2 25.8#

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/13/2022
 Supervised By :Mahesh Dadoda 07/13/2022

