

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
 Data File : VL038349.D
 Acq On : 14 Feb 2022 20:47
 Operator : SY/AP
 Sample : N1442-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022
 Supervised By :Mahesh Dadoda 02/18/2022

Quant Time: Feb 15 00:42:07 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 2

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.642	49	767974	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	7.147	114	2062283	10.000	ppbv	-0.03
55) Chlorobenzene-d5	12.050	117	1776486	10.000	ppbv	#-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.381 95 1413408 10.482 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.800%

Target Compounds

						Qvalue
3) Chlorodifluoromethane	2.980	51	9973266	65.234	ppbv	94
4) Chloromethane	3.131	50	25796	0.490	ppbv	96
9) Propene	3.012	41	143645m	2.886	ppbv	
10) Heptane	8.089	43	13554m	0.106	ppbv	
11) Trichlorofluoromethane	3.935	101	27793	0.218	ppbv	92
13) Ethanol	3.587	45	2942368	550.722	ppbv	98
15) Acetone	3.829	43	1123911	16.602	ppbv	94
17) tert-Butyl alcohol	4.285	59	20601m	0.277	ppbv	
19) Isopropyl Alcohol	3.951	45	1758585	41.524	ppbv #	97
20) Methylene Chloride	4.327	84	36063	0.916	ppbv	94
25) Ethyl Acetate	5.645	43	887849	4.684	ppbv #	92
29) Chloroform	5.732	83	40051m	0.278	ppbv	
34) 2-Butanone	5.224	43	54868	0.814	ppbv	95
35) Carbon Tetrachloride	6.996	117	11203m	0.077	ppbv	
36) Benzene	6.867	78	93182m	0.511	ppbv	
52) Tetrachloroethene	11.188	164	124865	1.986	ppbv	95
53) Toluene	9.774	91	123708	0.613	ppbv	98
58) Ethyl Benzene	12.677	91	26377m	0.101	ppbv	
59) m/p-Xylene	12.931	91	76494m	0.343	ppbv	
60) o-Xylene	13.654	91	30618m	0.148	ppbv	
61) Styrene	13.490	104	16443m	0.170	ppbv	

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

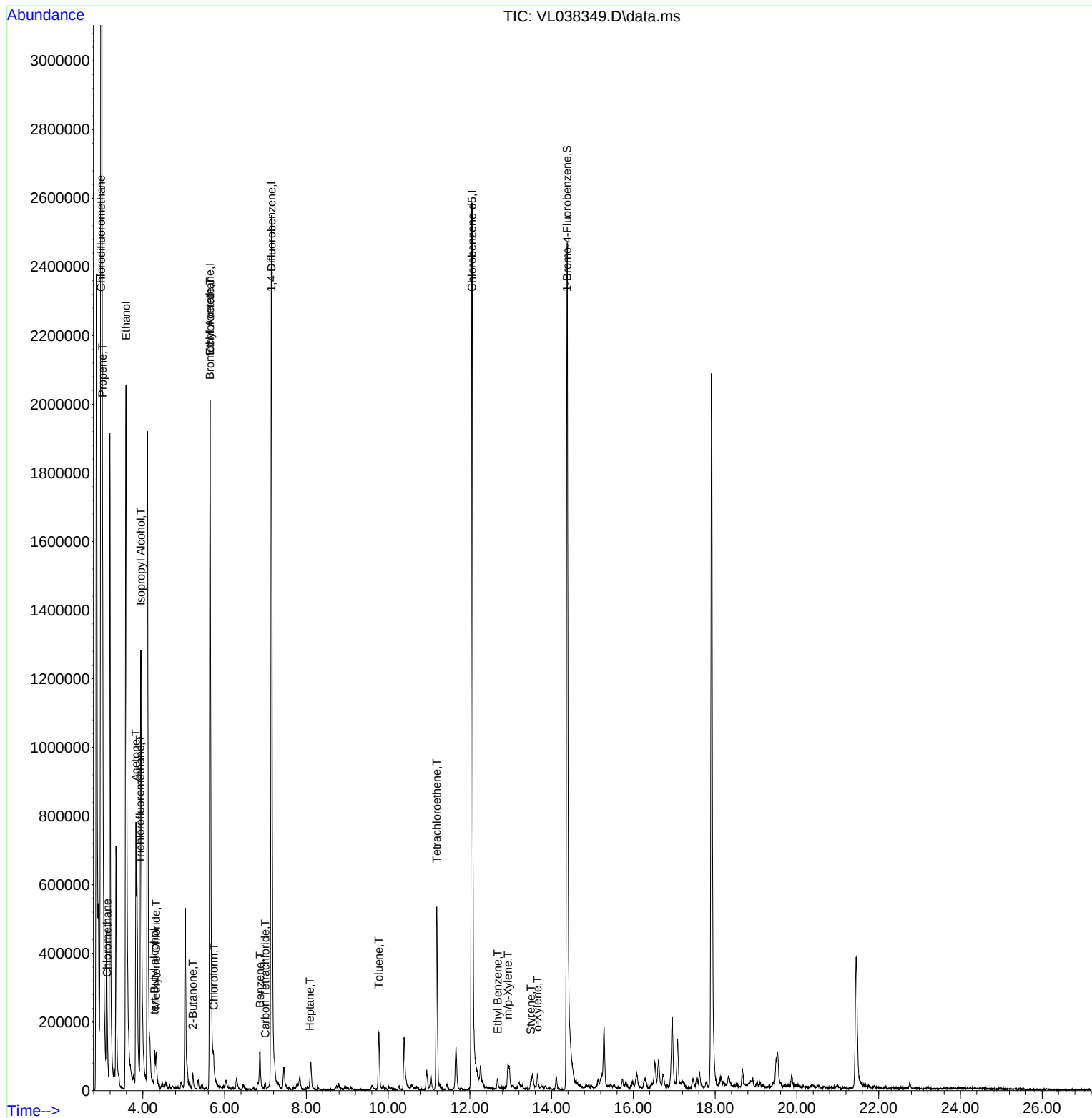
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
Data File : VL038349.D
Acq On : 14 Feb 2022 20:47
Operator : SY/AP
Sample : N1442-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

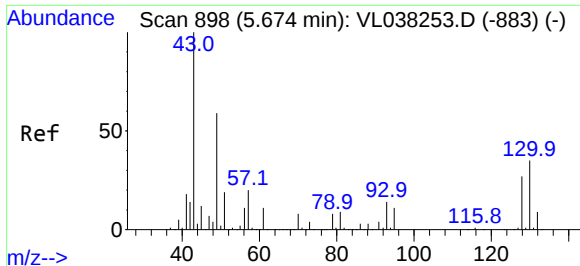
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Feb 15 00:42:07 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

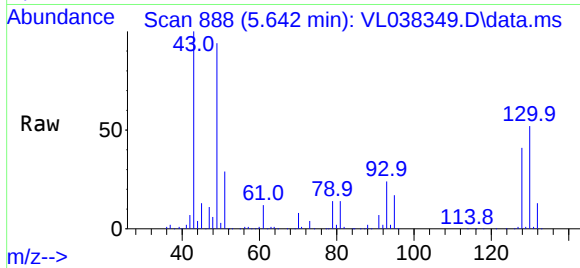
Reviewed By : Semsettin Yesilyurt 02/15/2022
Supervised By : Mahesh Dadoda 02/18/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.642 min Scan# 81
Delta R.T. -0.032 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

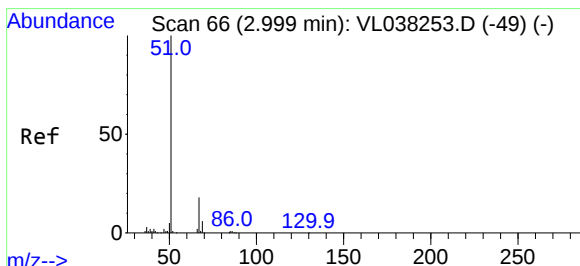
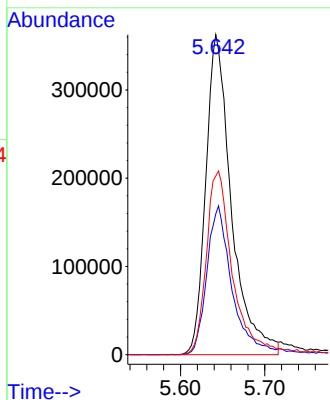
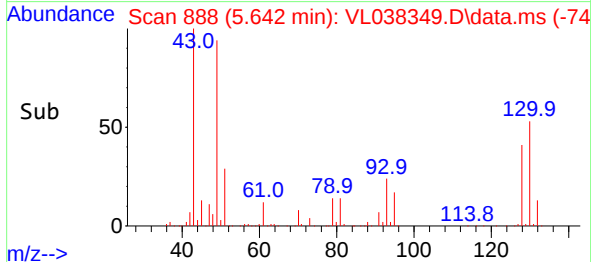
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 49 Resp: 767974
Ion Ratio Lower Upper
49 100
128 47.8 24.5 73.5
130 60.8 30.1 90.5

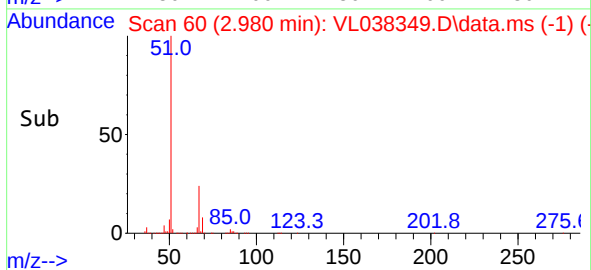
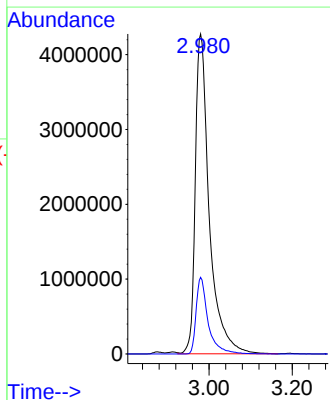
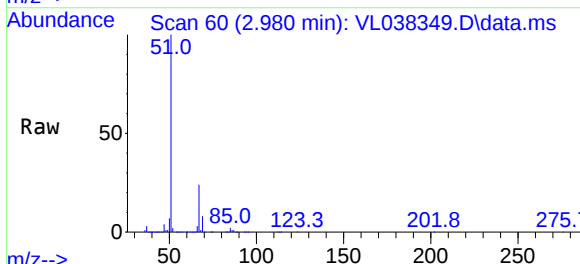
Manual Integrations
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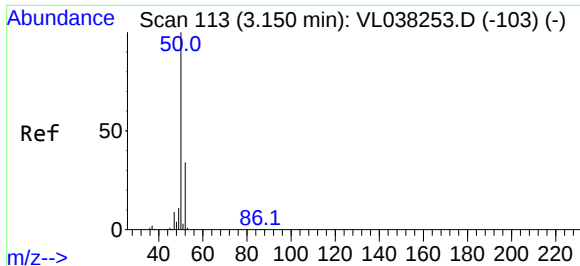
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#3
Chlorodifluoromethane
Concen: 65.234 ppbv
RT: 2.980 min Scan# 60
Delta R.T. -0.019 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

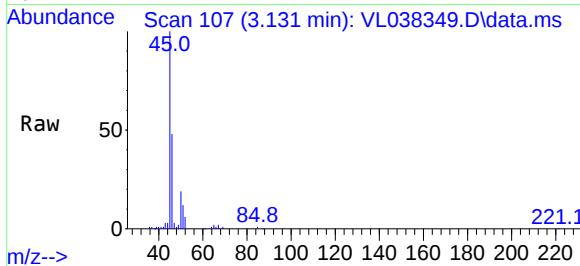
Tgt Ion: 51 Resp: 9973266
Ion Ratio Lower Upper
51 100
67 20.6 14.4 21.6





#4
Chloromethane
Concen: 0.490 ppbv
RT: 3.131 min Scan# 107
Delta R.T. -0.019 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

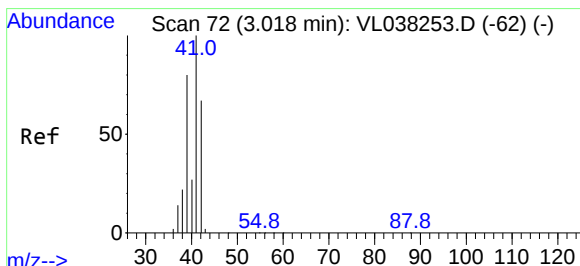
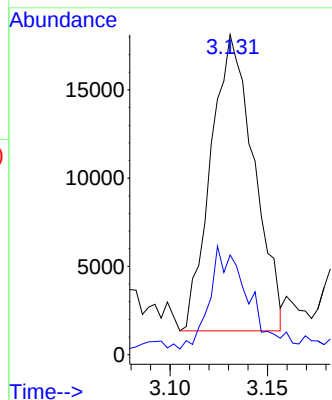
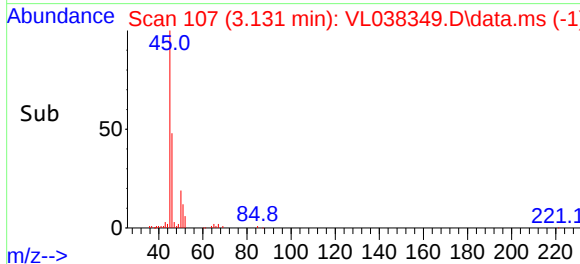
Instrument : MSVOA_L
ClientSampleId : IA1DUP



Tgt Ion: 50 Resp: 25790
Ion Ratio Lower Upper
50 100
52 31.7 27.1 40.7

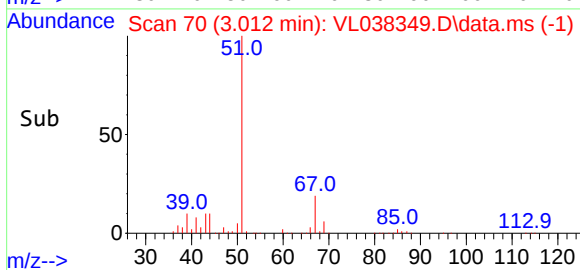
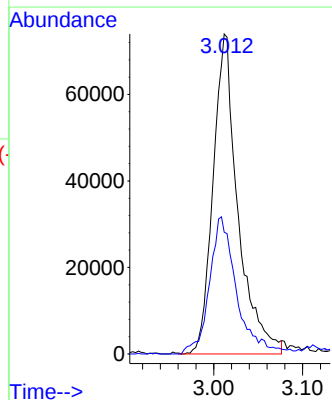
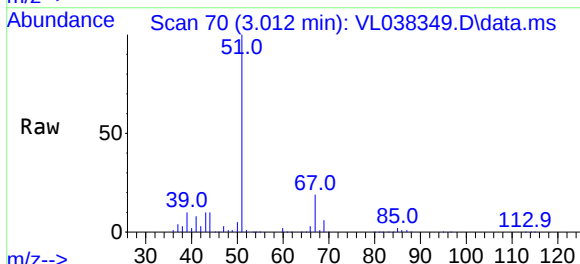
Manual Integrations
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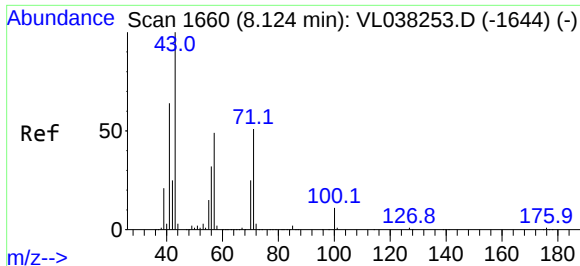
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#9
Propene
Concen: 2.886 ppbv m
RT: 3.012 min Scan# 70
Delta R.T. -0.006 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

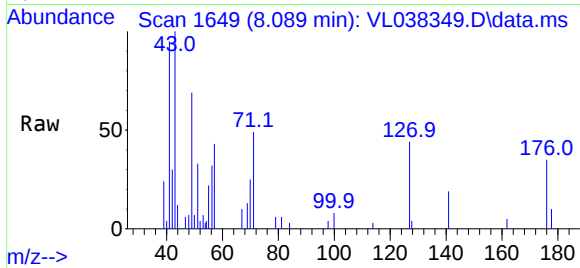
Tgt Ion: 41 Resp: 143645
Ion Ratio Lower Upper
41 100
42 317.9 54.9 82.3#





#10
Heptane
Concen: 0.106 ppbv m
RT: 8.089 min Scan# 1
Delta R.T. -0.035 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

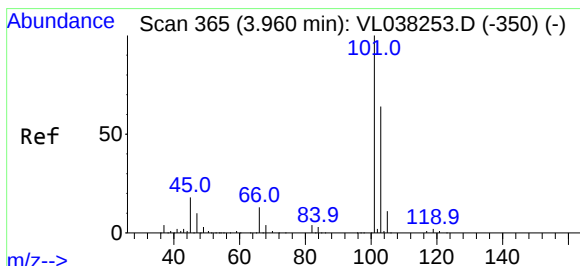
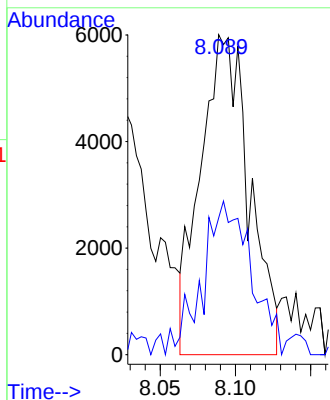
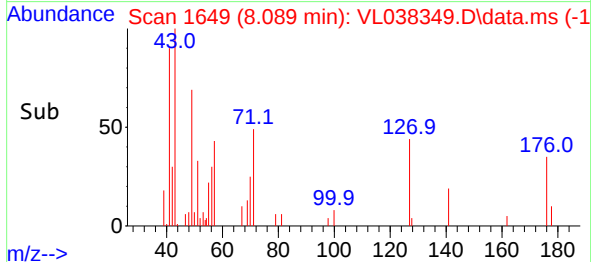
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



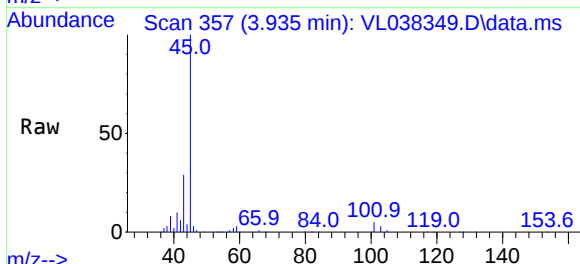
Tgt Ion: 43 Resp: 13554
Ion Ratio Lower Upper
43 100
57 49.7 39.5 59.3

Manual Integrations
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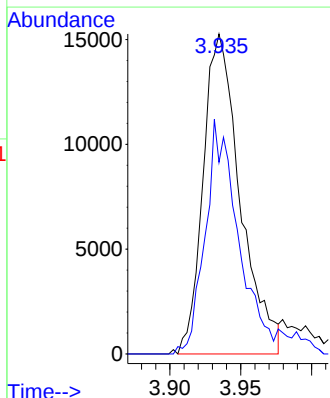
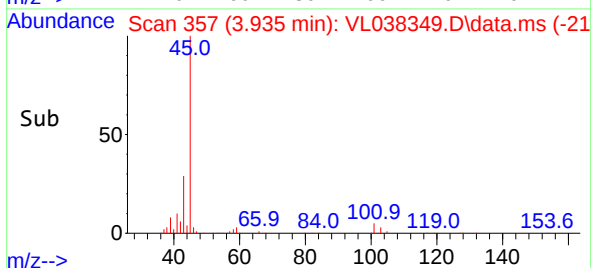
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

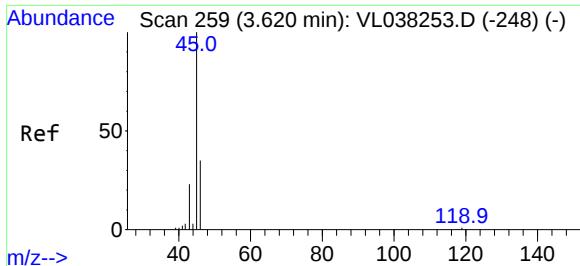


#11
Trichlorofluoromethane
Concen: 0.218 ppbv
RT: 3.935 min Scan# 357
Delta R.T. -0.026 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47



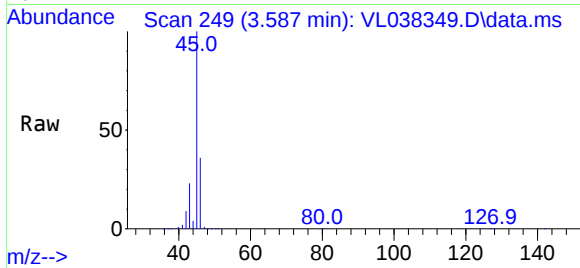
Tgt Ion:101 Resp: 27793
Ion Ratio Lower Upper
101 100
103 57.6 51.2 76.8





#13
Ethanol
Concen: 550.722 ppbv
RT: 3.587 min Scan# 249
Delta R.T. -0.032 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

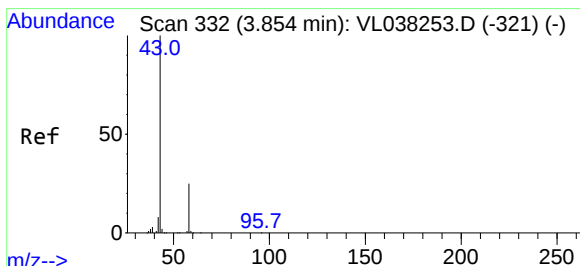
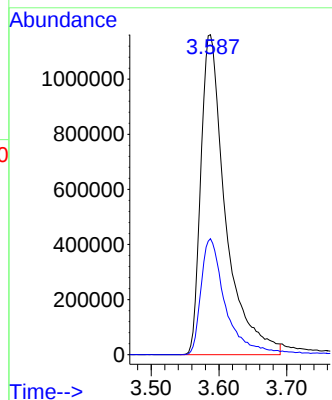
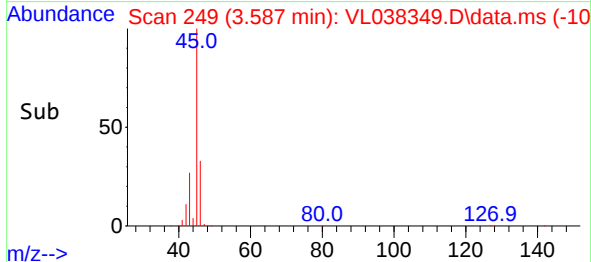
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



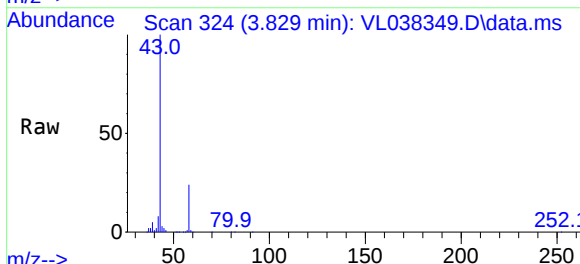
Tgt Ion: 45 Resp: 2942368
Ion Ratio Lower Upper
45 100
46 37.2 15.4 61.6

Manual Integrations
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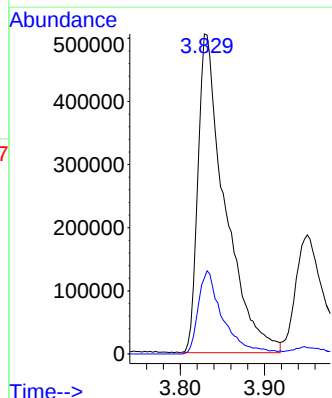
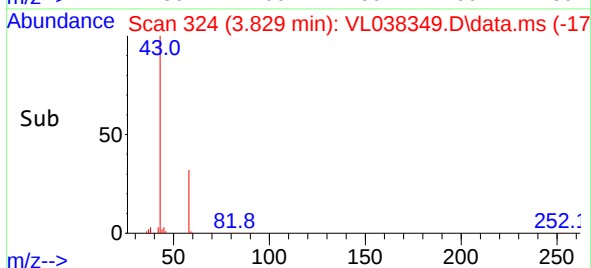
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

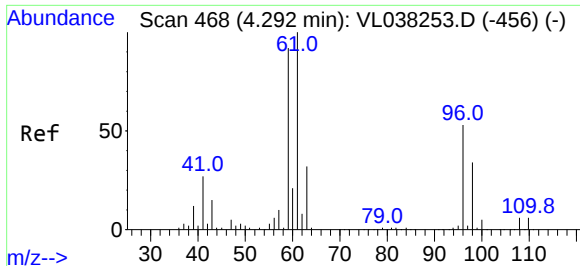


#15
Acetone
Concen: 16.602 ppbv
RT: 3.829 min Scan# 324
Delta R.T. -0.026 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47



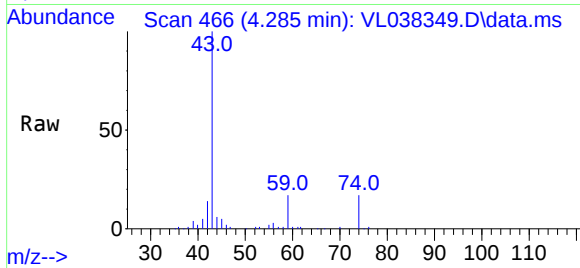
Tgt Ion: 43 Resp: 1123911
Ion Ratio Lower Upper
43 100
58 23.8 21.5 32.3





#17
tert-Butyl alcohol
Concen: 0.277 ppbv m
RT: 4.285 min Scan# 40
Delta R.T. -0.006 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

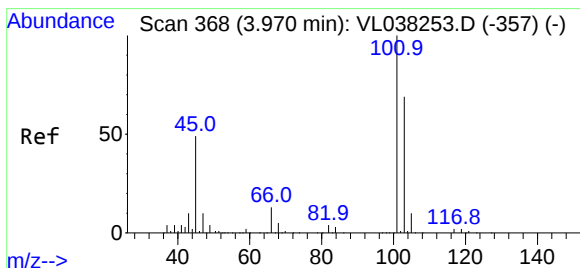
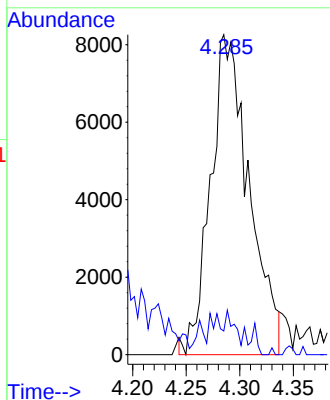
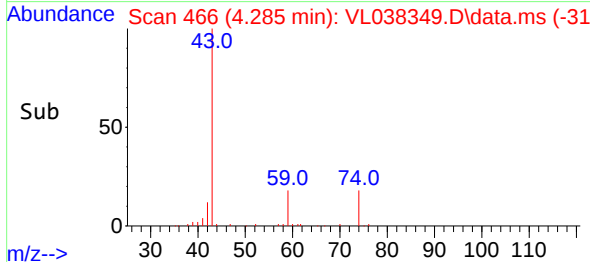
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



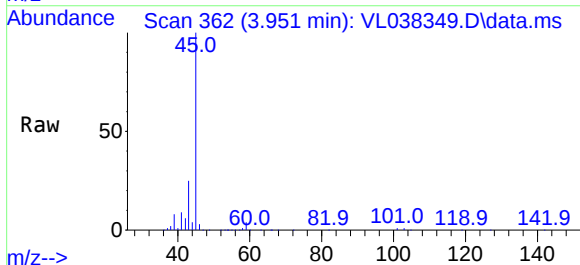
Tgt Ion: 59 Resp: 2060
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8

Manual Integrations
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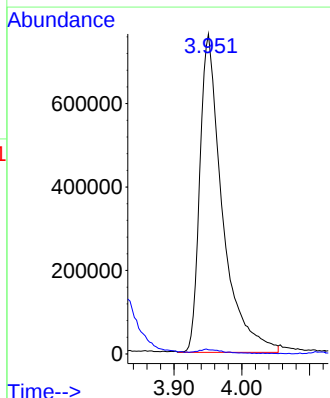
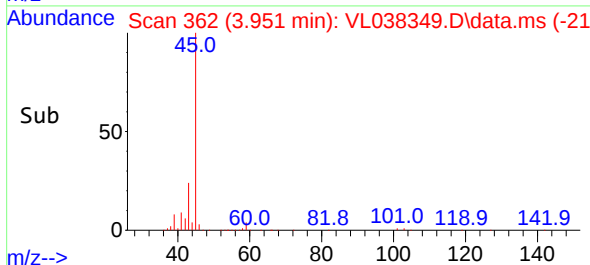
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

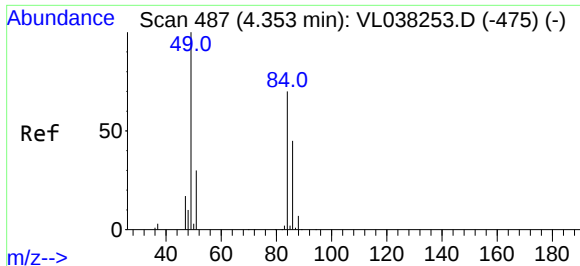


#19
Isopropyl Alcohol
Concen: 41.524 ppbv
RT: 3.951 min Scan# 362
Delta R.T. -0.019 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47



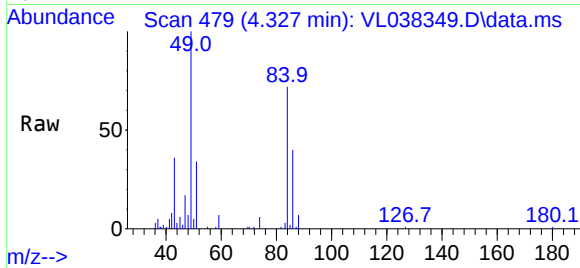
Tgt Ion: 45 Resp: 1758585
Ion Ratio Lower Upper
45 100
58 2.0 2.3 3.5





#20
Methylene Chloride
Concen: 0.916 ppbv
RT: 4.327 min Scan# 41
Delta R.T. -0.026 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

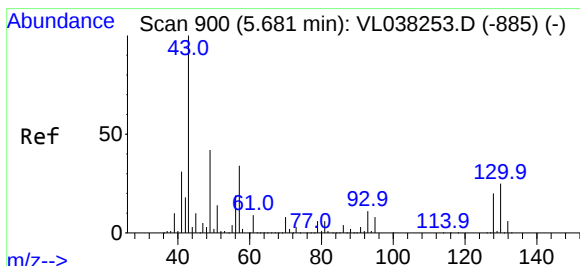
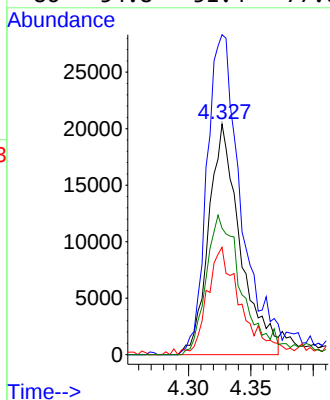
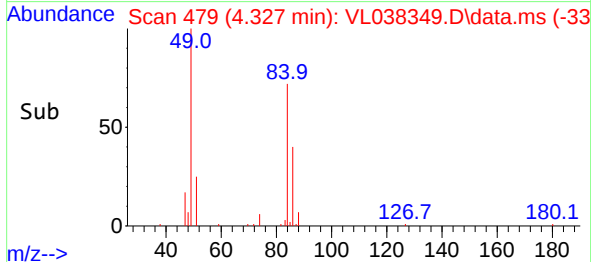
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 84 Resp: 3606
Ion Ratio Lower Upper
84 100
49 138.8 115.0 172.6
51 46.6 35.0 52.6
86 54.8 51.4 77.0

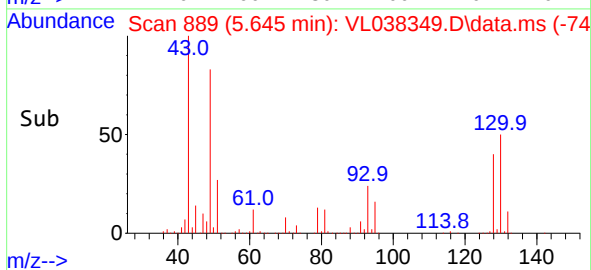
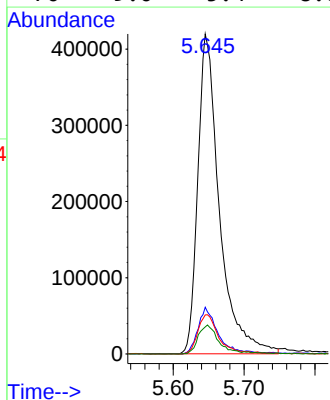
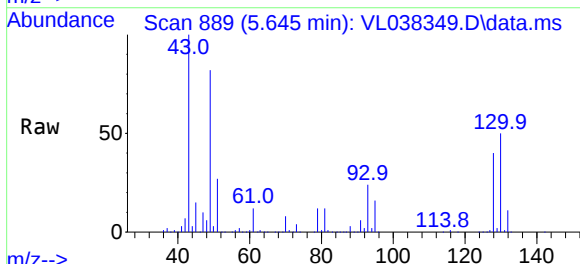
Manual Integrations
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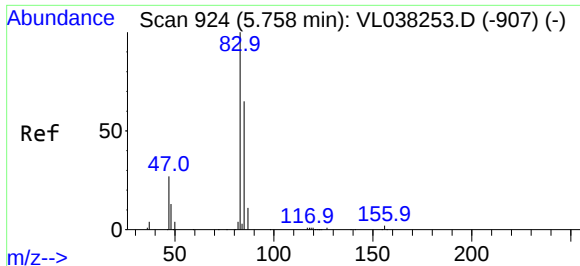
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#25
Ethyl Acetate
Concen: 4.684 ppbv
RT: 5.645 min Scan# 889
Delta R.T. -0.035 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

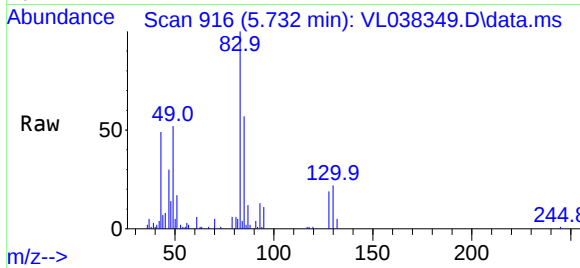
Tgt Ion: 43 Resp: 887849
Ion Ratio Lower Upper
43 100
45 13.7 7.9 11.9#
61 12.2 7.8 11.8#
70 9.0 5.4 8.0#





#29
Chloroform
Concen: 0.278 ppbv m
RT: 5.732 min Scan# 916
Delta R.T. -0.026 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

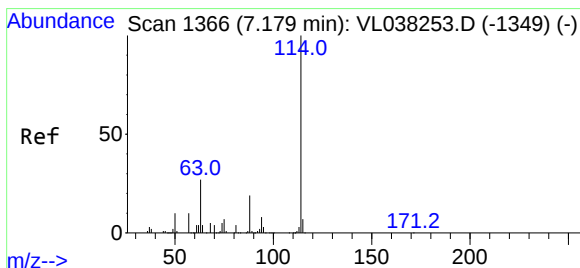
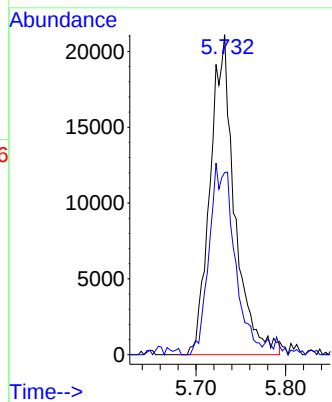
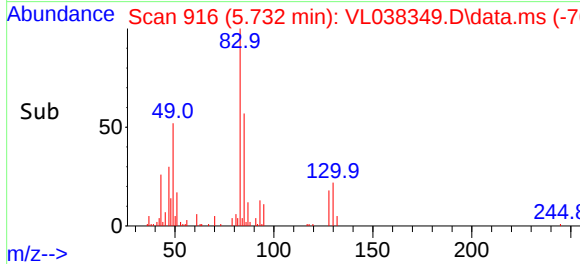
Instrument :
MSVOA_L
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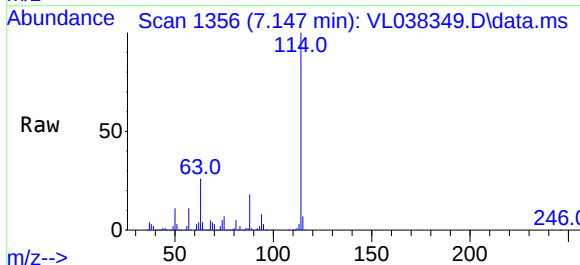
Tgt Ion: 83 Resp: 4005
Ion Ratio Lower Upper
83 100
85 57.0 51.9 77.9

Manual Integrations
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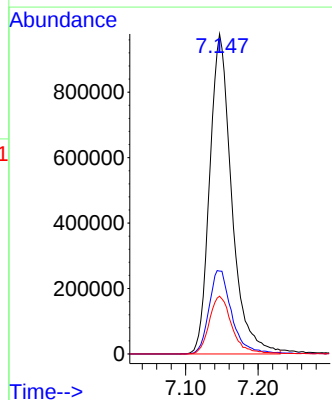
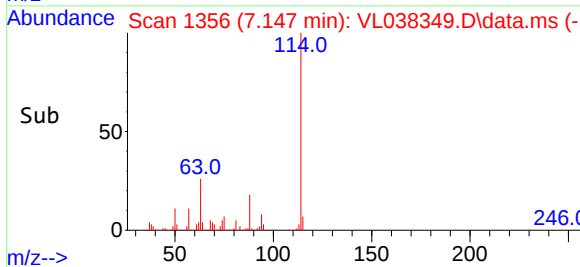
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

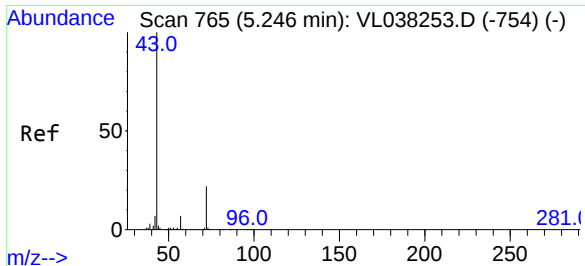


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.147 min Scan# 1356
Delta R.T. -0.032 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47



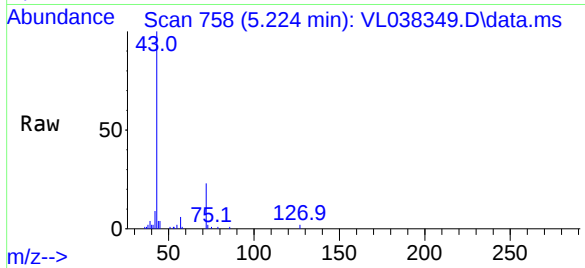
Tgt Ion:114 Resp: 2062283
Ion Ratio Lower Upper
114 100
63 27.2 22.0 33.0
88 18.7 15.0 22.6





#34
2-Butanone
Concen: 0.814 ppbv
RT: 5.224 min Scan# 71
Delta R.T. -0.023 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

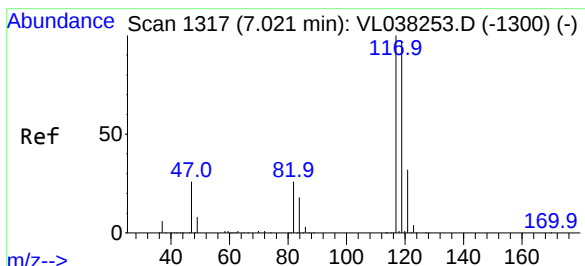
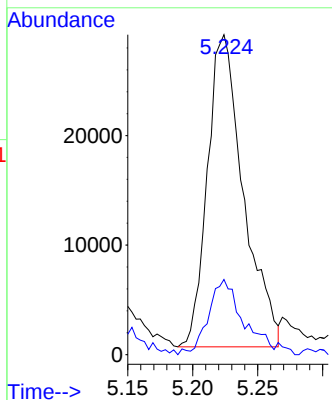
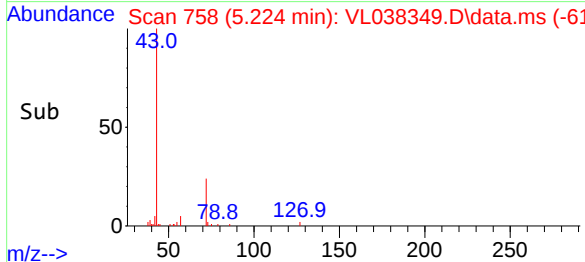
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 43 Resp: 5486
Ion Ratio Lower Upper
43 100
72 25.1 18.1 27.1

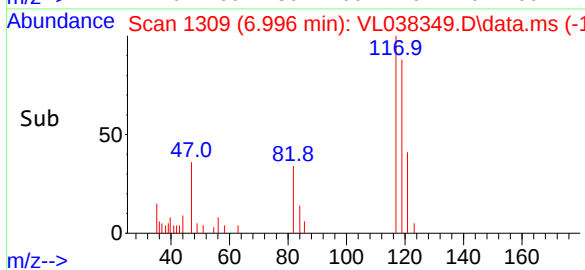
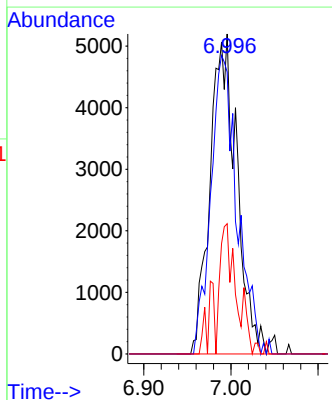
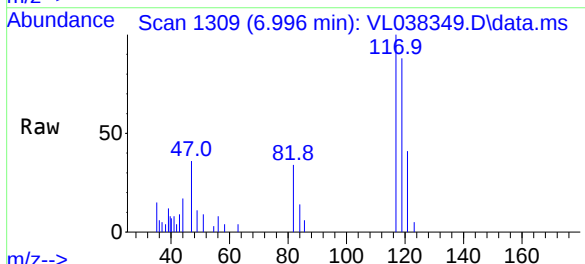
Manual Integrations
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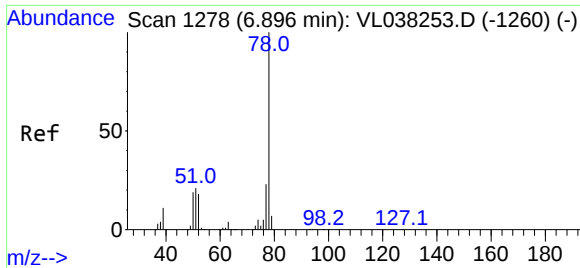
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 6.996 min Scan# 1309
Delta R.T. -0.026 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

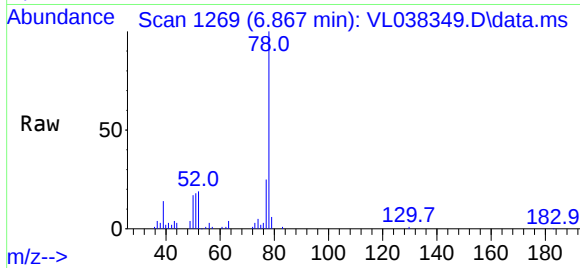
Tgt Ion:117 Resp: 11203
Ion Ratio Lower Upper
117 100
119 88.1 77.9 116.9
121 40.7 25.4 38.2#





#36
Benzene
Concen: 0.511 ppbv m
RT: 6.867 min Scan# 11
Delta R.T. -0.029 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

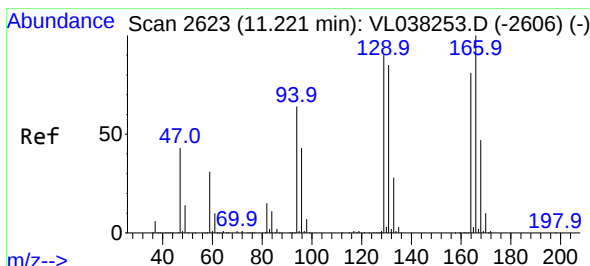
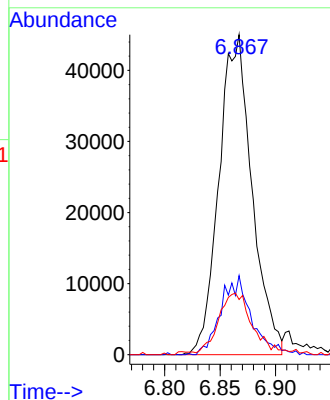
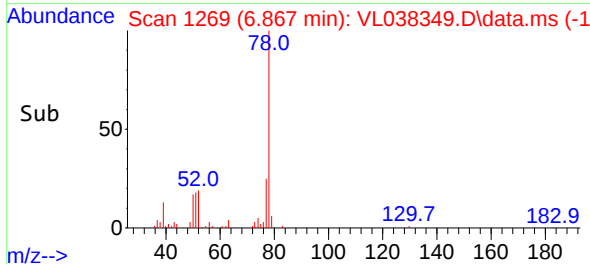
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 78 Resp: 9318
Ion Ratio Lower Upper
78 100
77 24.7 18.2 27.2
50 17.2 15.1 22.7

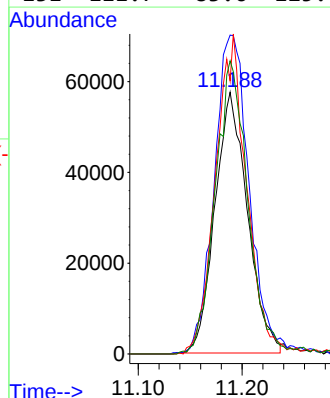
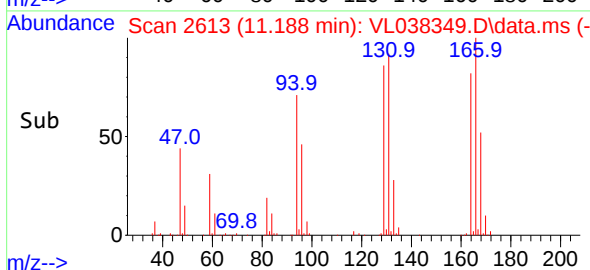
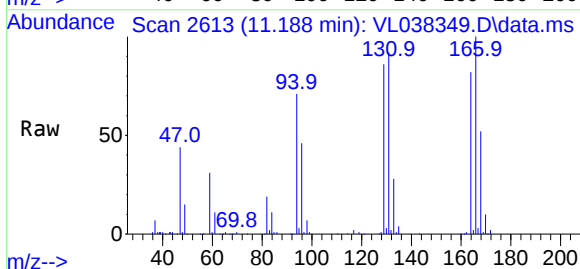
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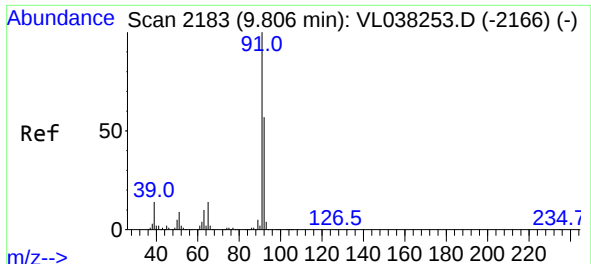
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#52
Tetrachloroethene
Concen: 1.986 ppbv
RT: 11.188 min Scan# 2613
Delta R.T. -0.032 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

Tgt Ion:164 Resp: 124865
Ion Ratio Lower Upper
164 100
166 121.8 98.8 148.2
129 104.4 89.2 133.8
131 111.7 83.6 125.4





#53

Toluene

Concen: 0.613 ppbv

RT: 9.774 min Scan# 2183

Delta R.T. -0.032 min

Lab File: VL038349.D

Acq: 14 Feb 2022 20:47

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion: 91 Resp: 123708

Ion Ratio Lower Upper

91 100

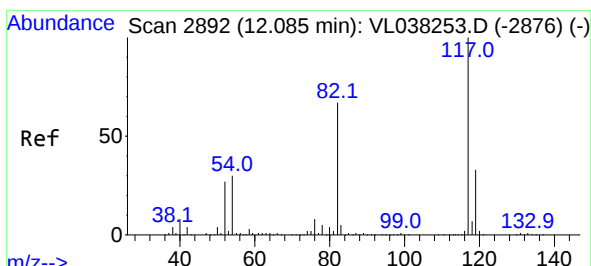
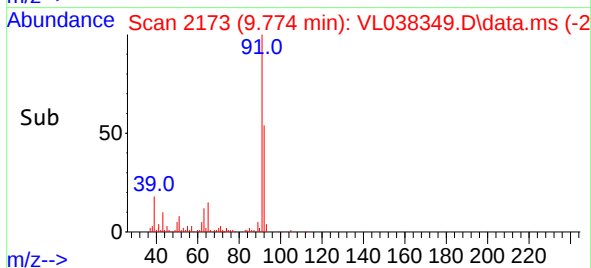
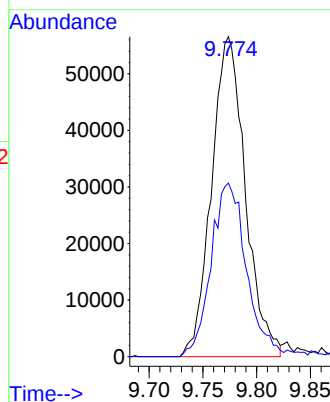
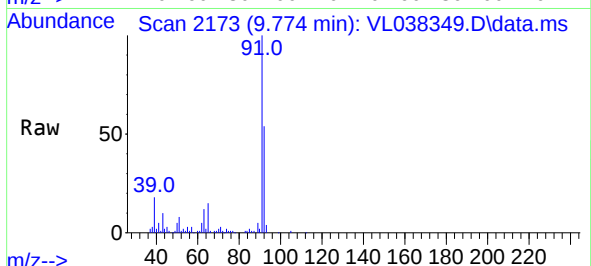
92 57.9 47.4 71.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/15/2022

Supervised By :Mahesh Dadoda 02/18/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.050 min Scan# 2881

Delta R.T. -0.035 min

Lab File: VL038349.D

Acq: 14 Feb 2022 20:47

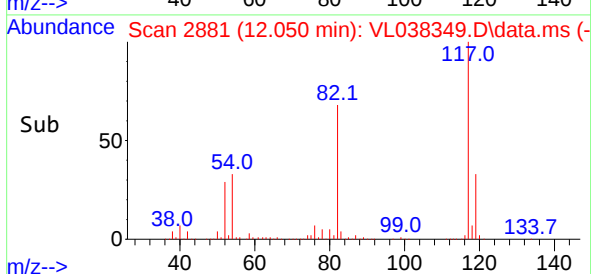
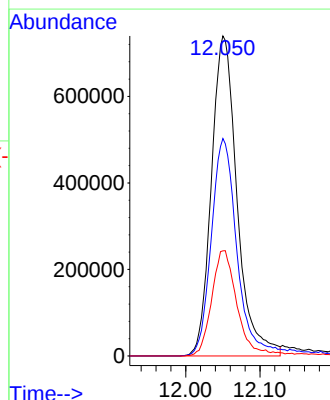
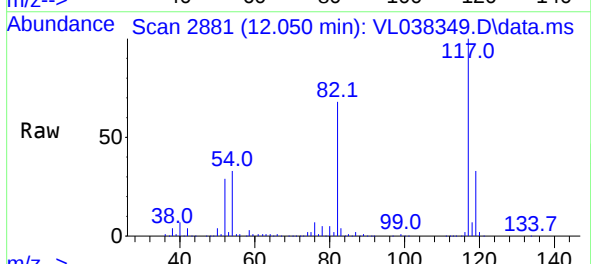
Tgt Ion:117 Resp: 1776486

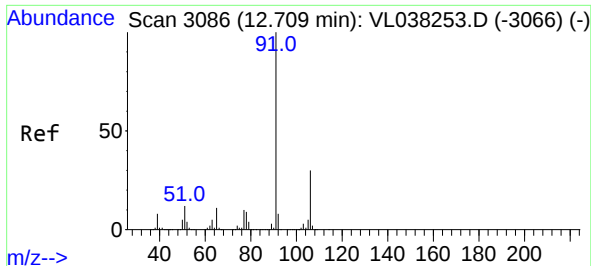
Ion Ratio Lower Upper

117 100

82 71.7 54.4 81.6

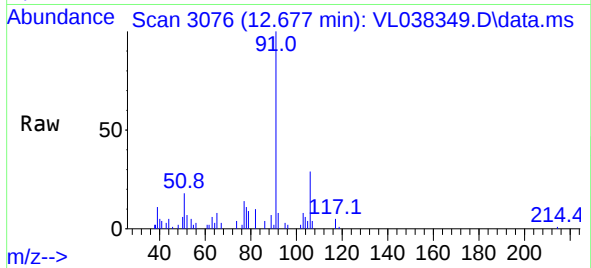
119 33.6 45.9 68.9





#58
Ethyl Benzene
Concen: 0.101 ppbv m
RT: 12.677 min Scan# 3086
Delta R.T. -0.032 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

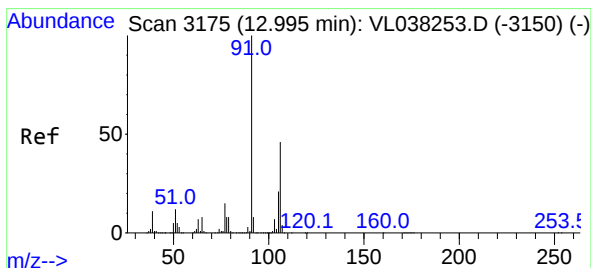
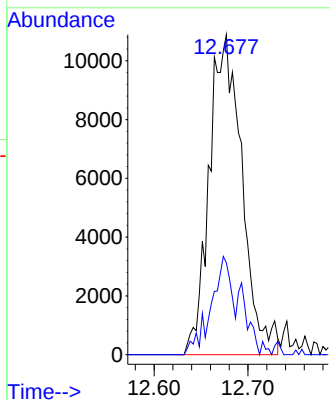
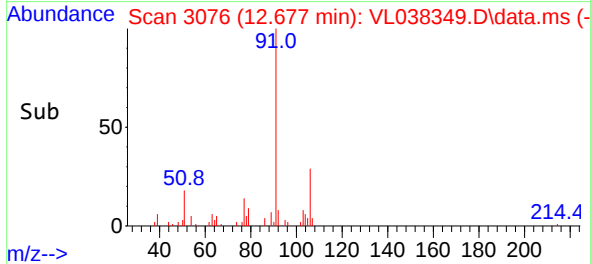
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 91 Resp: 2637
Ion Ratio Lower Upper
91 100
106 28.7 24.1 36.1

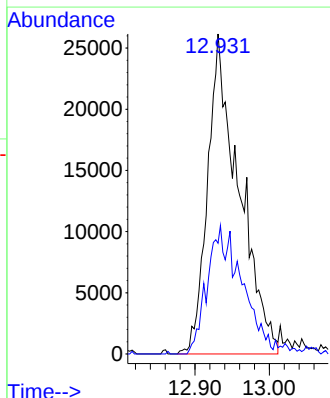
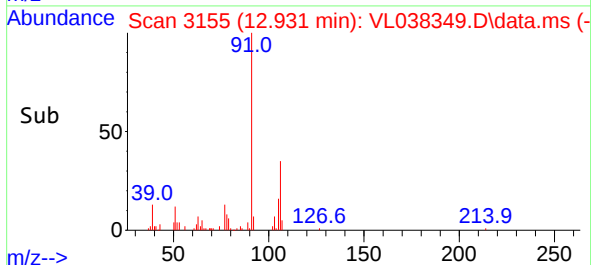
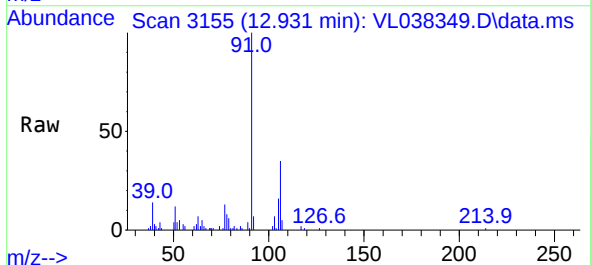
Manual Integrations
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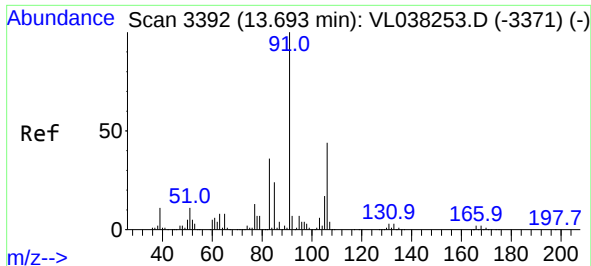
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#59
m/p-Xylene
Concen: 0.343 ppbv m
RT: 12.931 min Scan# 3155
Delta R.T. -0.064 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

Tgt Ion: 91 Resp: 76494
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2#





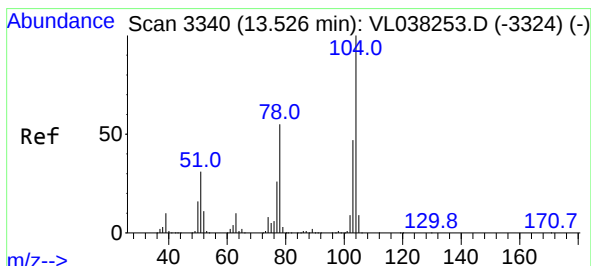
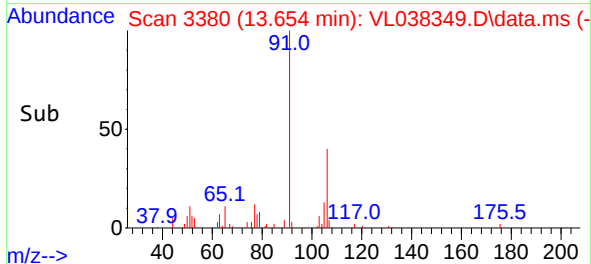
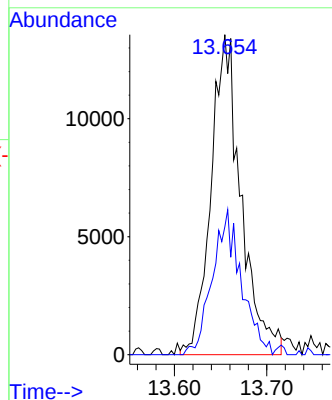
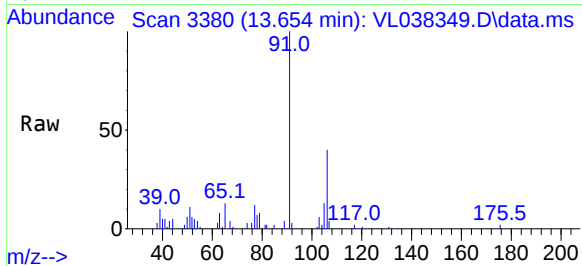
#60
o-Xylene
Concen: 0.148 ppbv m
RT: 13.654 min Scan# 3318
Delta R.T. -0.039 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 30618
Ion Ratio Lower Upper
91 100
106 0.0 22.2 66.6

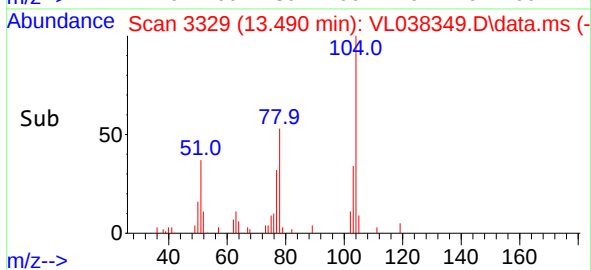
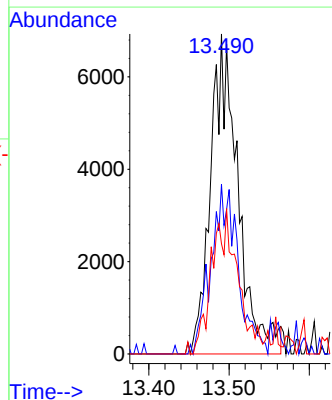
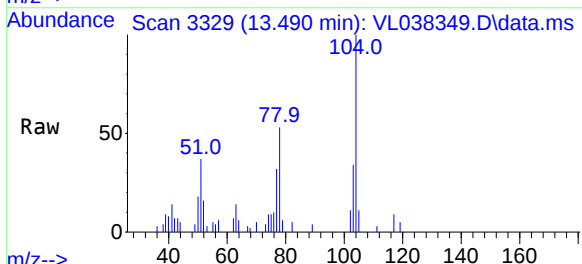
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Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

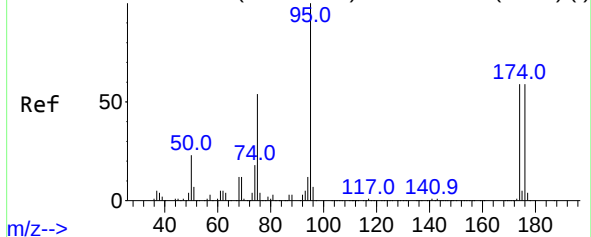


#61
Styrene
Concen: 0.170 ppbv m
RT: 13.490 min Scan# 3329
Delta R.T. -0.035 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

Tgt Ion:104 Resp: 16443
Ion Ratio Lower Upper
104 100
78 0.0 44.2 66.4#
103 0.0 38.2 57.4#



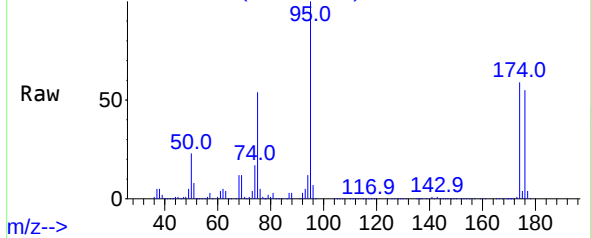
Abundance Scan 3616 (14.413 min): VL038253.D (-3597) (-)



#68
1-Bromo-4-Fluorobenzene
Concen: 10.482 ppbv
RT: 14.381 min Scan# 30
Delta R.T. -0.032 min
Lab File: VL038349.D
Acq: 14 Feb 2022 20:47

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Abundance Scan 3606 (14.381 min): VL038349.D\data.ms



Tgt Ion: 95 Resp: 1413408
Ion Ratio Lower Upper
95 100
174 61.1 48.3 72.5
175 4.2 3.5 5.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

Abundance Scan 3606 (14.381 min): VL038349.D\data.ms (-)

