

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040550.D
 Acq On : 26 Jul 2023 21:15
 Operator : SY/MD
 Sample : 03730-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-18-20230721

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
 Supervised By :Mahesh Dadoda 07/27/2023

Quant Time: Jul 27 01:52:29 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1088685	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2723031	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.455	117	2480480	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2006280	10.220	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.200%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.706	85	26832	0.123	ppbv	98
4) Chloromethane	2.793	50	6520	0.095	ppbv	97
9) Propene	2.674	41	682950	11.560	ppbv	93
10) Heptane	7.568	43	53030	0.407	ppbv	92
11) Trichlorofluoromethane	3.546	101	15400	0.088	ppbv	97
13) Ethanol	3.221	45	96381	7.499	ppbv	95
15) Acetone	3.446	43	2382618	19.013	ppbv	92
17) tert-Butyl alcohol	3.877	59	32117m	0.248	ppbv	
20) Methylene Chloride	3.915	84	346223	6.495	ppbv	98
26) Hexane	5.195	57	1338722	12.078	ppbv #	40
27) Carbon Disulfide	4.108	76	68375	0.524	ppbv #	89
29) Chloroform	5.256	83	27688	0.151	ppbv	87
34) 2-Butanone	4.774	43	321025	2.386	ppbv	99
36) Benzene	6.356	78	76352	0.348	ppbv	96
50) 4-Methyl-2-Pentanone	8.185	43	28831m	0.147	ppbv	
52) Tetrachloroethene	10.597	164	3288m	0.046	ppbv	
53) Toluene	9.208	91	81312	0.342	ppbv	98
58) Ethyl Benzene	12.076	91	27812m	0.089	ppbv	
59) m/p-Xylene	12.330	91	70005m	0.252	ppbv	
60) o-Xylene	13.050	91	36074m	0.136	ppbv	
74) 1,2,4-Trimethylbenzene	16.095	105	78831m	0.247	ppbv	

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

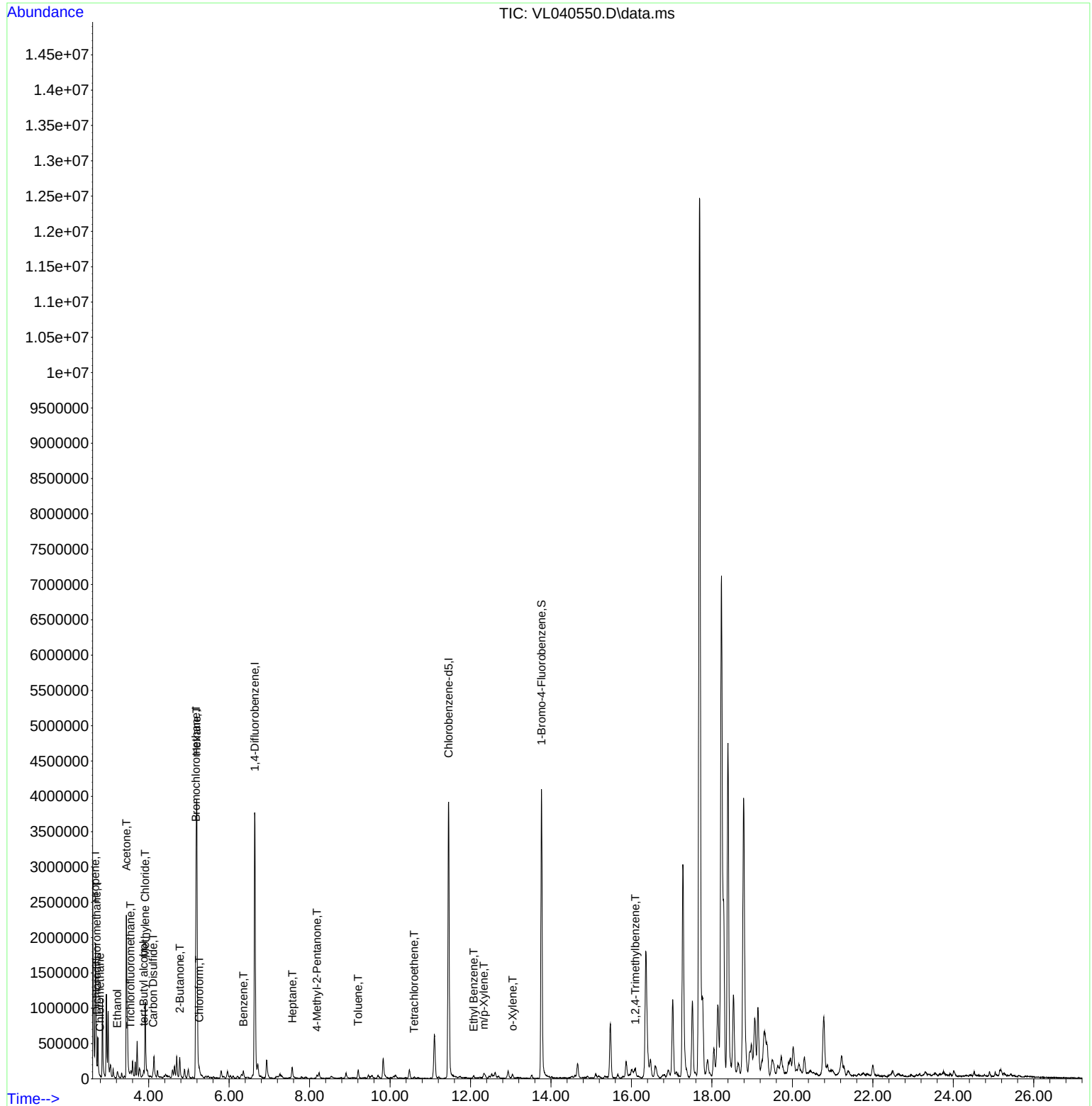
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
Data File : VL040550.D
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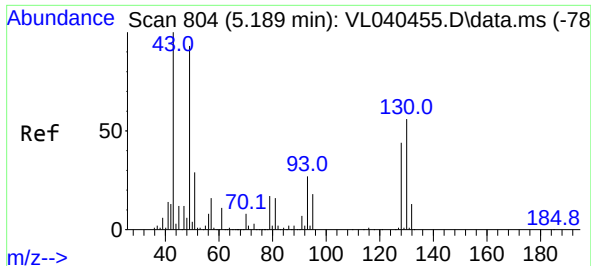
Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721

Quant Time: Jul 27 01:52:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

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APPROVED

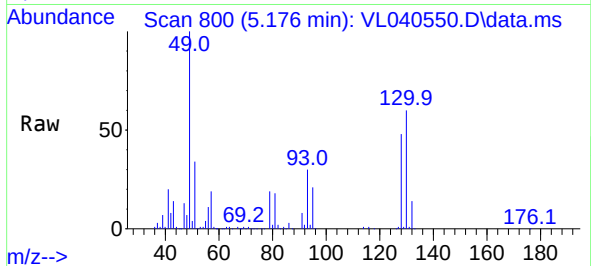
Reviewed By : Semsettin Yesilyurt 07/27/2023
Supervised By : Mahesh Dadoda 07/27/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

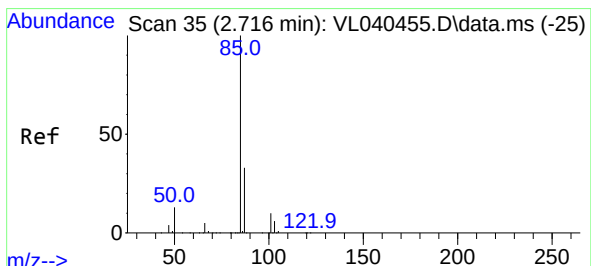
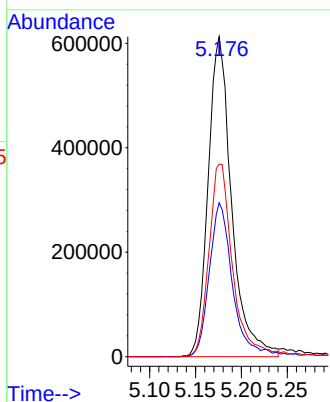
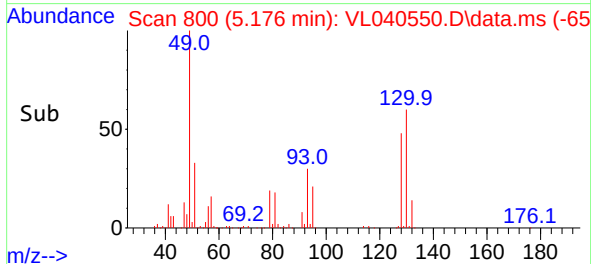
Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721



Tgt Ion: 49 Resp: 108868
Ion Ratio Lower Upper
49 100
128 49.1 25.1 75.4
130 62.0 31.6 94.7

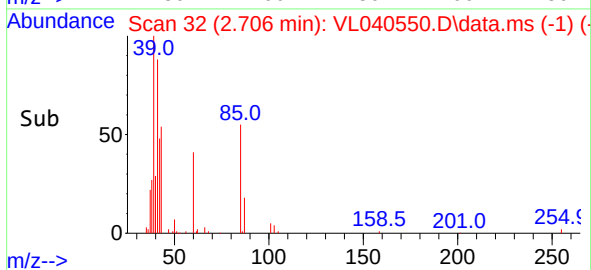
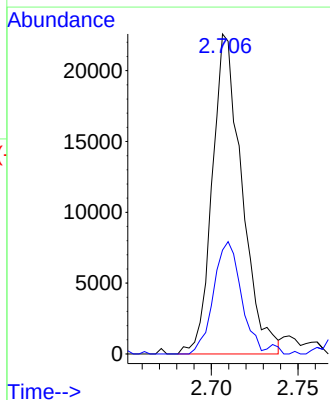
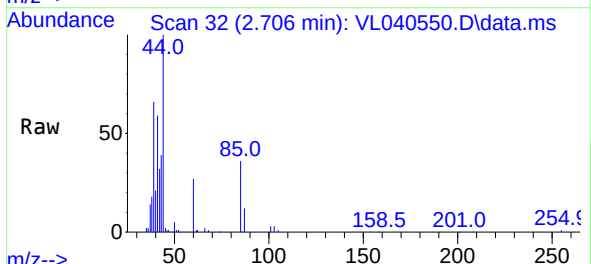
Manual Integrations
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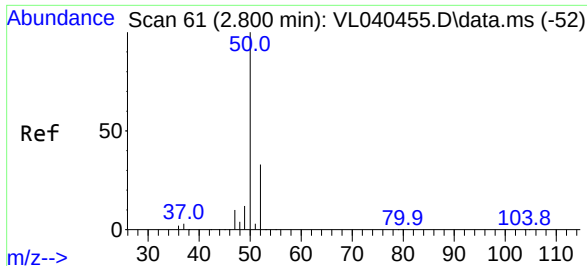
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#2
Dichlorodifluoromethane
Concen: 0.123 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.032 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

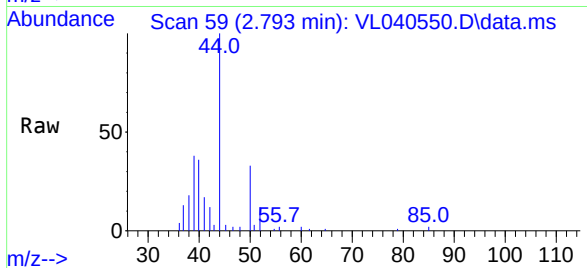
Tgt Ion: 85 Resp: 26832
Ion Ratio Lower Upper
85 100
87 32.4 26.8 40.2





#4
Chloromethane
Concen: 0.095 ppbv
RT: 2.793 min Scan# 50
Delta R.T. -0.029 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

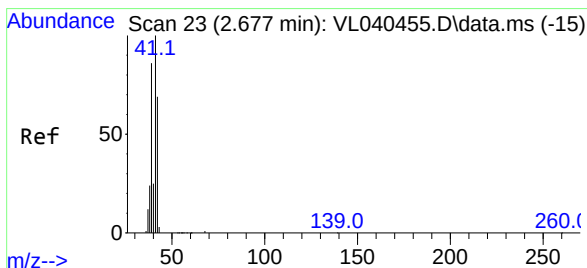
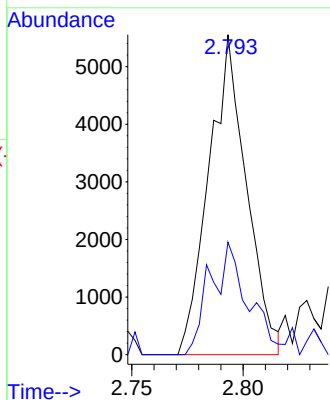
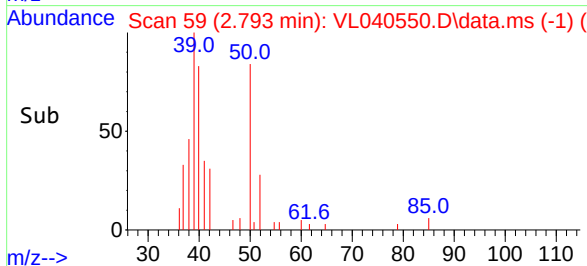
Instrument :
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ClientSampleId :
SV-18-20230721



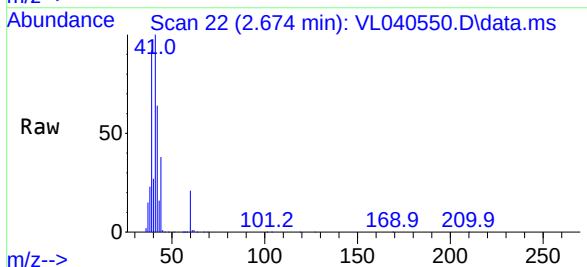
Tgt Ion: 50 Resp: 6520
Ion Ratio Lower Upper
50 100
52 31.9 24.4 36.6

Manual Integrations
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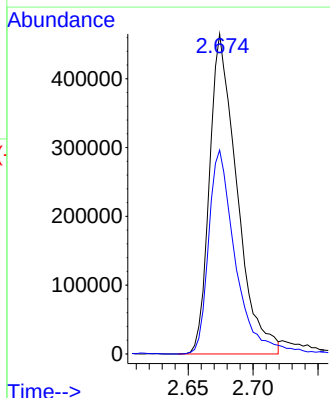
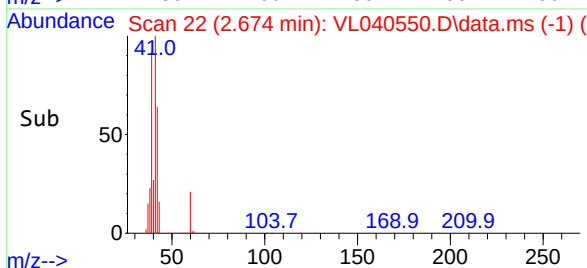
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

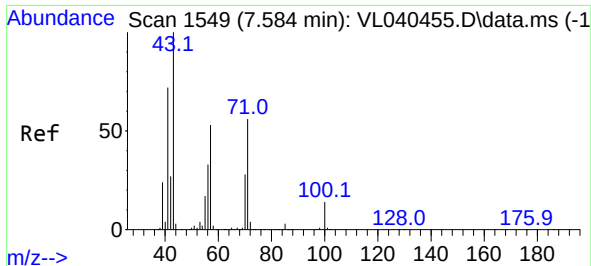


#9
Propene
Concen: 11.560 ppbv
RT: 2.674 min Scan# 22
Delta R.T. -0.029 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15



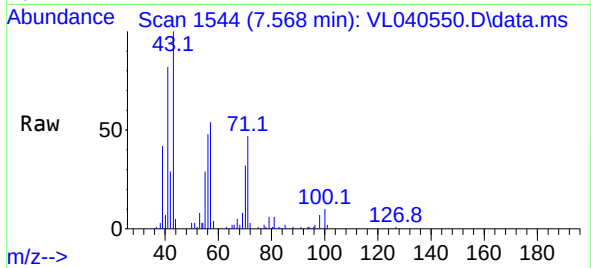
Tgt Ion: 41 Resp: 682950
Ion Ratio Lower Upper
41 100
42 62.8 55.0 82.6





#10
Heptane
Concen: 0.407 ppbv
RT: 7.568 min Scan# 11
Delta R.T. -0.023 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

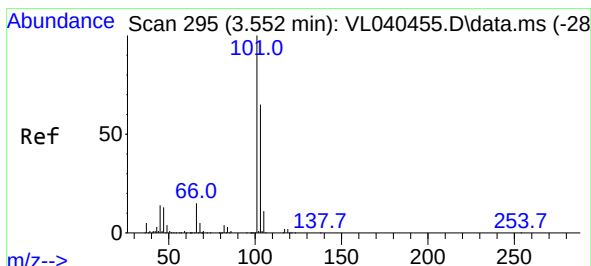
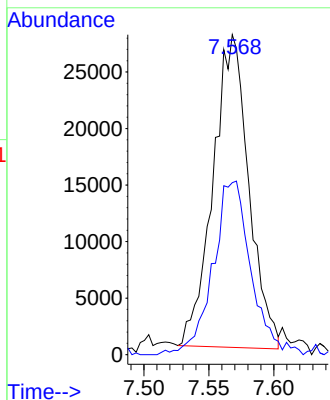
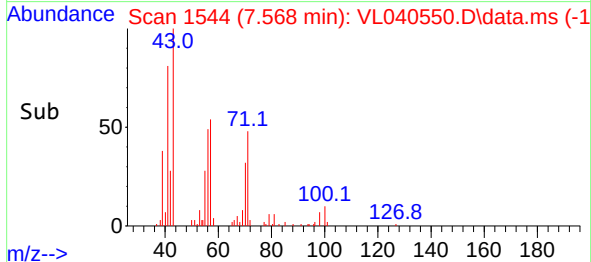
Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721



Tgt Ion: 43 Resp: 53030
Ion Ratio Lower Upper
43 100
57 59.1 42.5 63.7

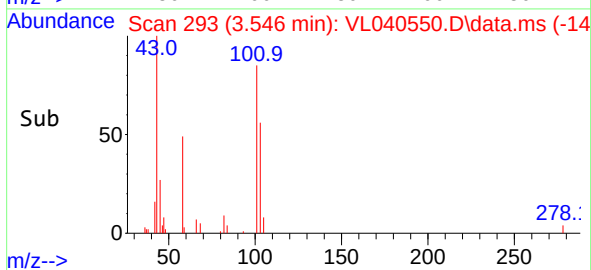
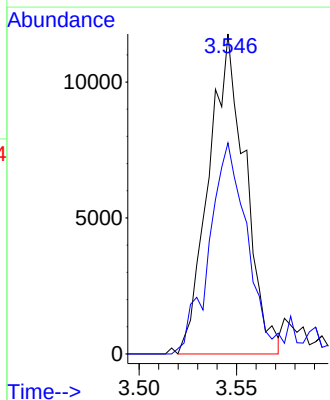
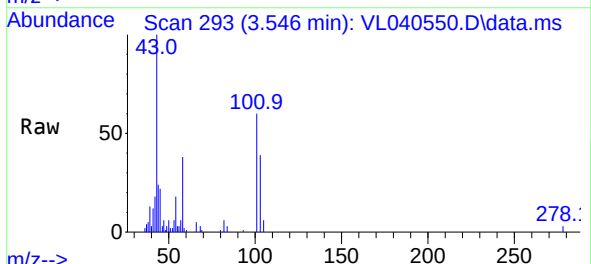
Manual Integrations
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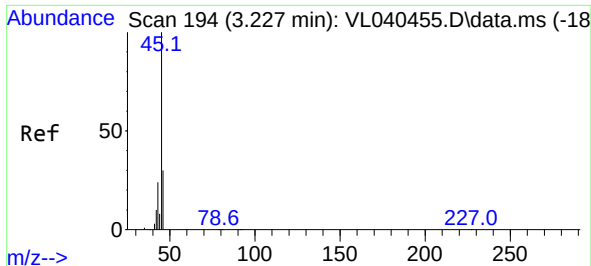
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#11
Trichlorofluoromethane
Concen: 0.088 ppbv
RT: 3.546 min Scan# 293
Delta R.T. -0.026 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Tgt Ion:101 Resp: 15400
Ion Ratio Lower Upper
101 100
103 64.3 53.4 80.0





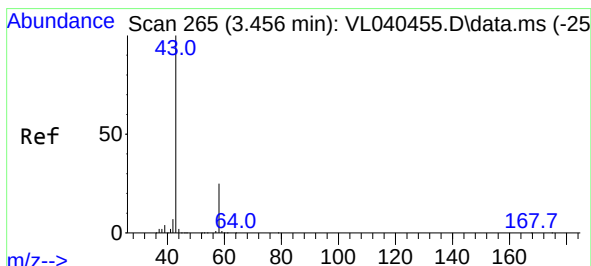
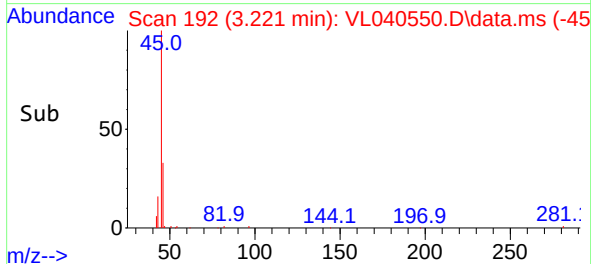
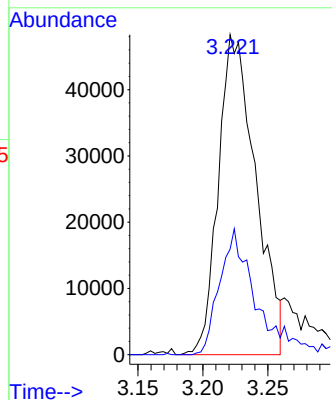
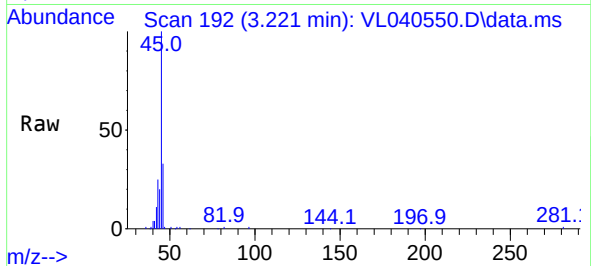
#13
Ethanol
Concen: 7.499 ppbv
RT: 3.221 min Scan# 194
Delta R.T. -0.026 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721

Tgt Ion: 45 Resp: 9638
Ion Ratio Lower Upper
45 100
46 40.9 15.3 61.1

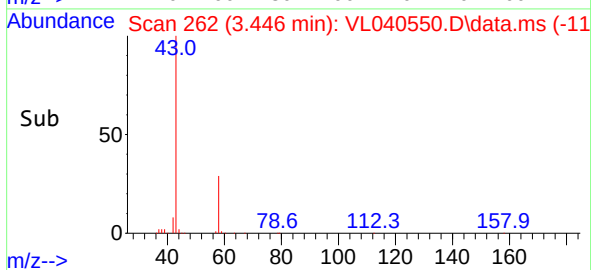
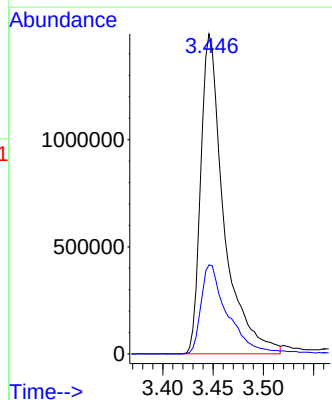
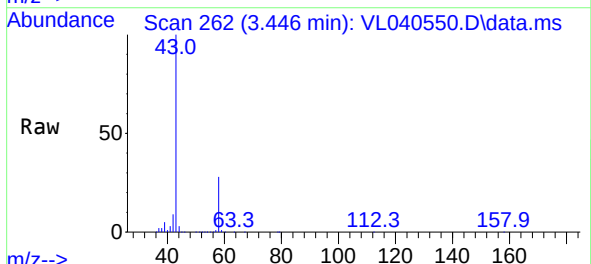
Manual Integrations
APPROVED

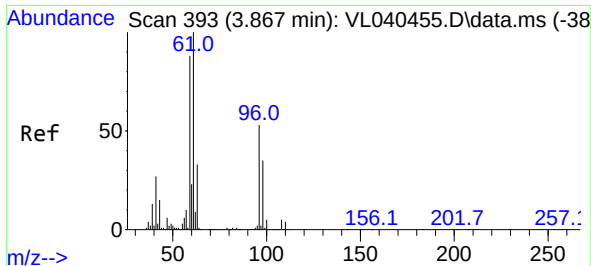
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#15
Acetone
Concen: 19.013 ppbv
RT: 3.446 min Scan# 262
Delta R.T. -0.029 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

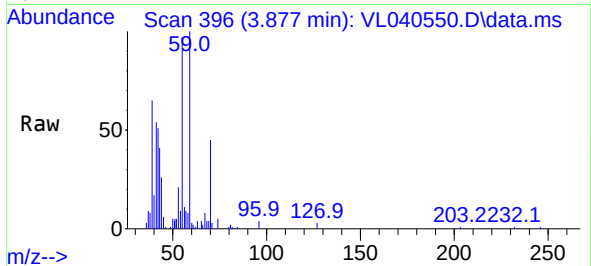
Tgt Ion: 43 Resp: 2382618
Ion Ratio Lower Upper
43 100
58 33.0 22.9 34.3





#17
tert-Butyl alcohol
Concen: 0.248 ppbv
RT: 3.877 min Scan# 393
Delta R.T. -0.006 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

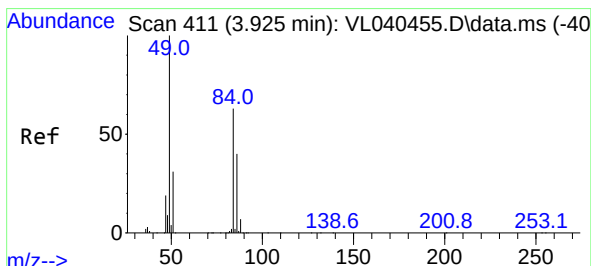
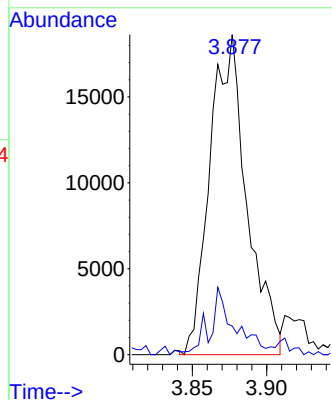
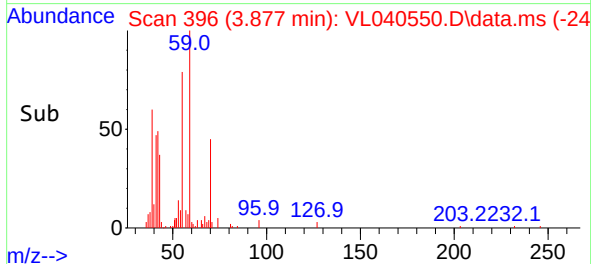
Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721



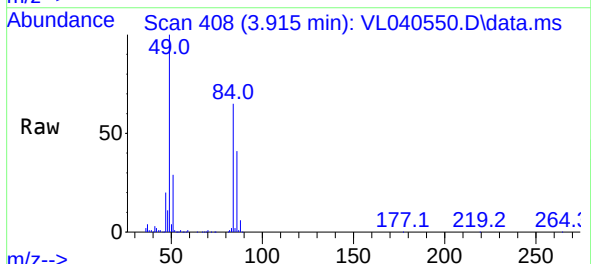
Tgt Ion: 59 Resp: 32117
Ion Ratio Lower Upper
59 100
57 16.6 8.7 13.1

Manual Integrations
APPROVED

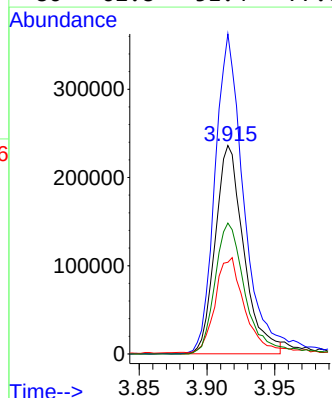
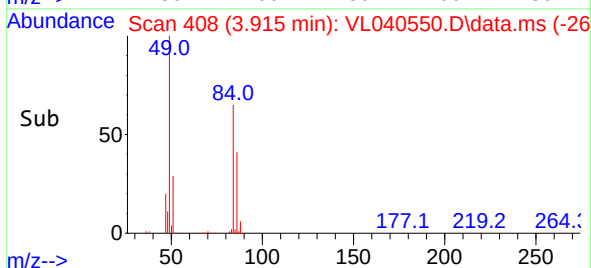
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

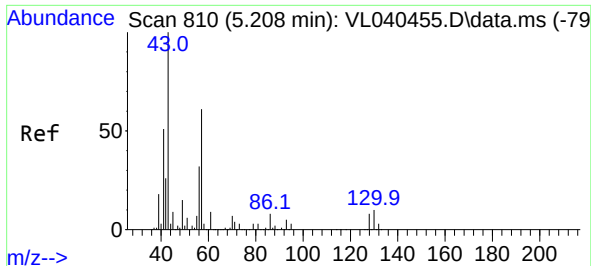


#20
Methylene Chloride
Concen: 6.495 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.026 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15



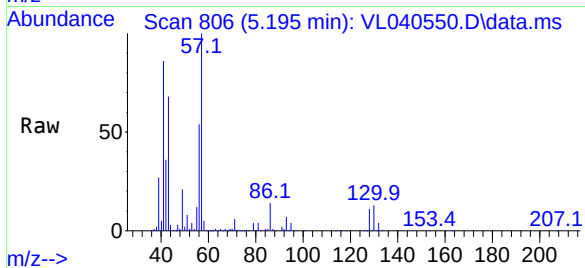
Tgt Ion: 84 Resp: 346223
Ion Ratio Lower Upper
84 100
49 153.5 123.4 185.2
51 43.2 38.3 57.5
86 62.8 51.4 77.0





#26
Hexane
Concen: 12.078 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.026 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

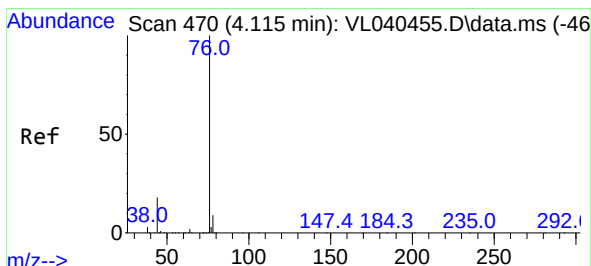
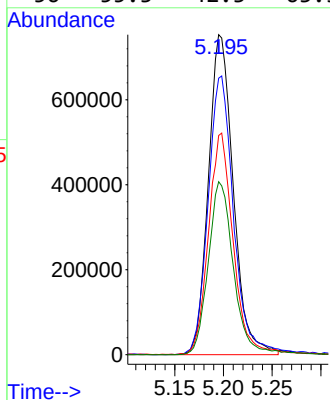
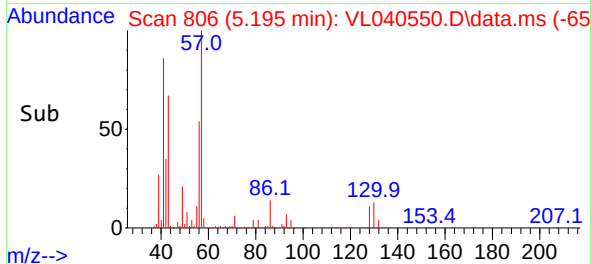
Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721



Tgt Ion: 57 Resp: 133872
Ion Ratio Lower Upper
57 100
41 91.2 69.5 104.3
43 68.9 177.1 265.7
56 55.3 42.3 63.5

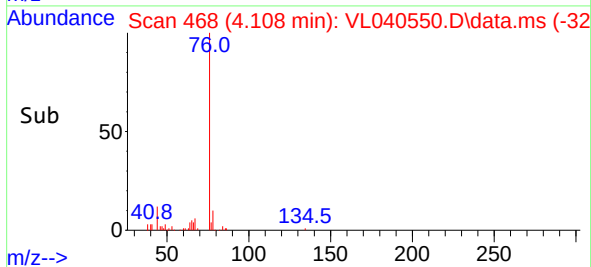
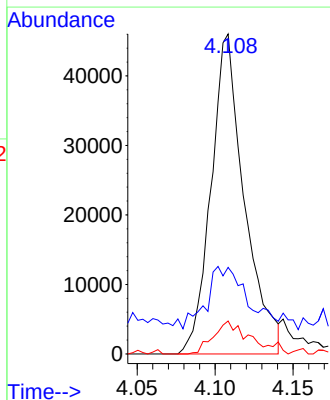
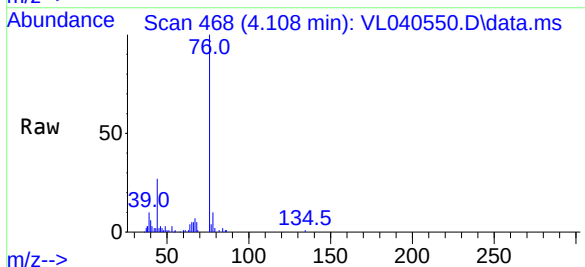
Manual Integrations
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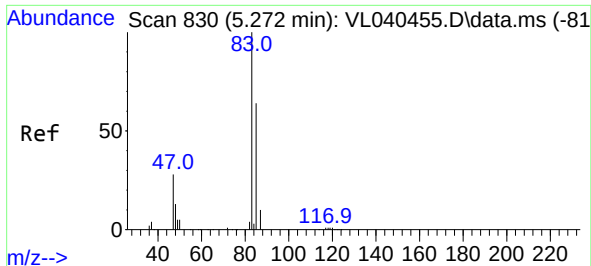
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#27
Carbon Disulfide
Concen: 0.524 ppbv
RT: 4.108 min Scan# 468
Delta R.T. -0.023 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Tgt Ion: 76 Resp: 68375
Ion Ratio Lower Upper
76 100
44 25.1 15.1 22.7#
78 11.9 7.5 11.3#





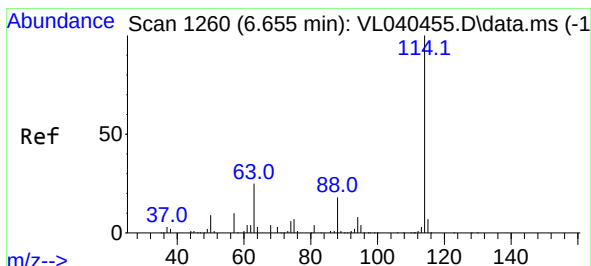
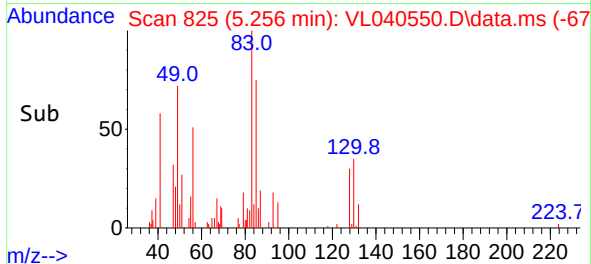
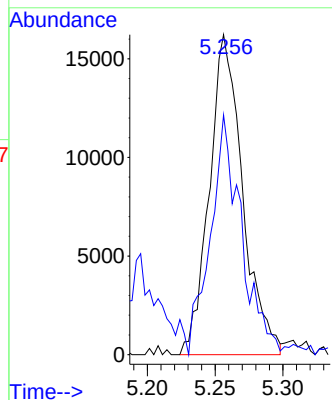
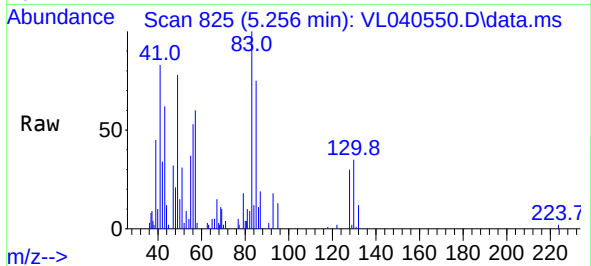
#29
Chloroform
Concen: 0.151 ppbv
RT: 5.256 min Scan# 81
Delta R.T. -0.029 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721

Tgt Ion: 83 Resp: 27688
Ion Ratio Lower Upper
83 100
85 73.8 51.1 76.7

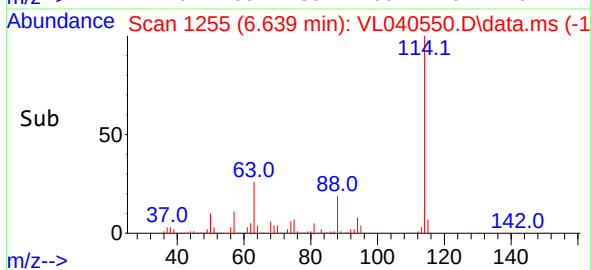
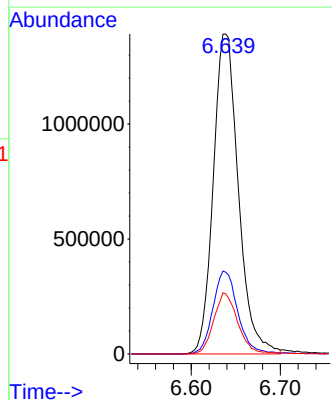
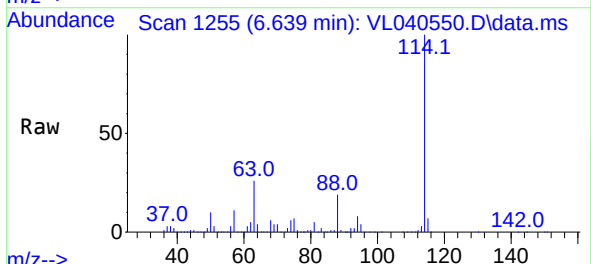
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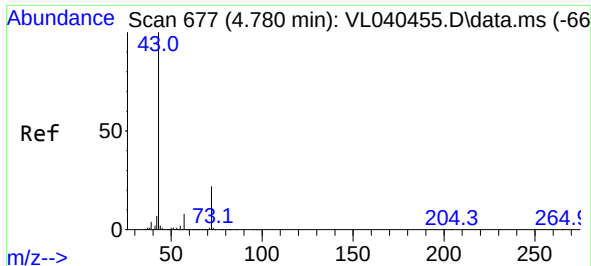
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.026 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

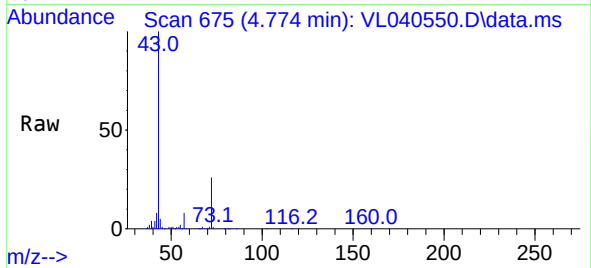
Tgt Ion:114 Resp: 2723031
Ion Ratio Lower Upper
114 100
63 26.1 19.6 29.4
88 18.5 14.2 21.2





#34
2-Butanone
Concen: 2.386 ppbv
RT: 4.774 min Scan# 61
Delta R.T. -0.019 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

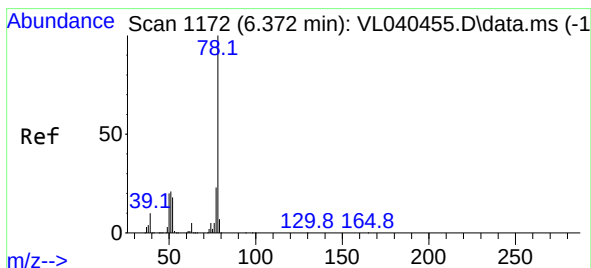
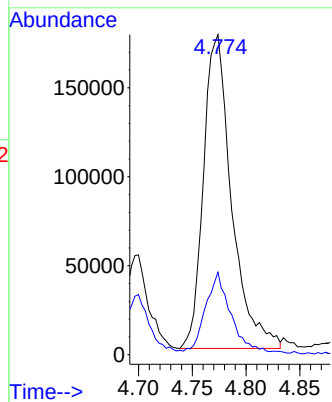
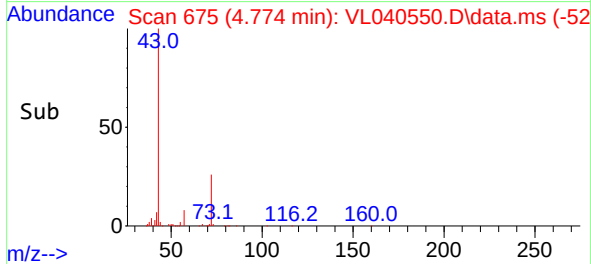
Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721



Tgt Ion: 43 Resp: 32102
Ion Ratio Lower Upper
43 100
72 24.5 19.1 28.7

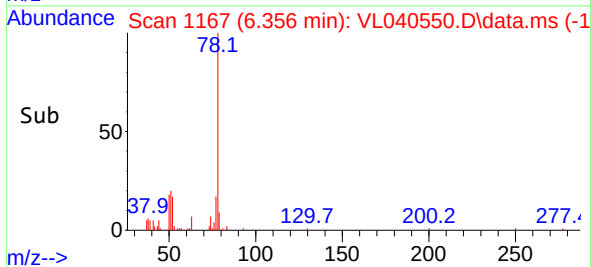
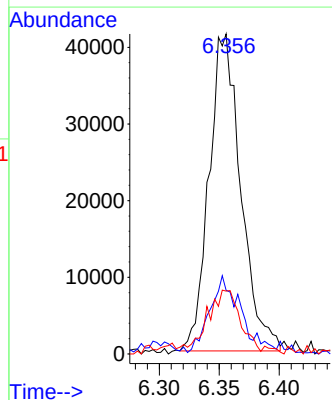
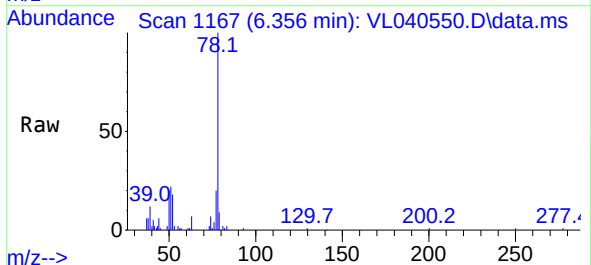
Manual Integrations
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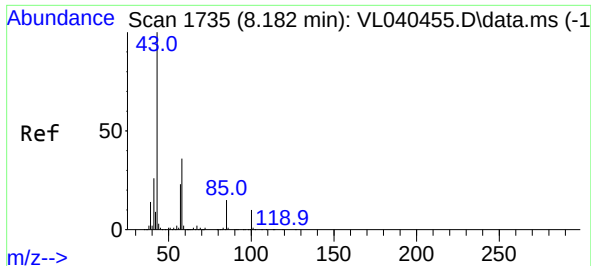
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#36
Benzene
Concen: 0.348 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. -0.026 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Tgt Ion: 78 Resp: 76352
Ion Ratio Lower Upper
78 100
77 19.1 17.4 26.0
50 19.3 14.4 21.6





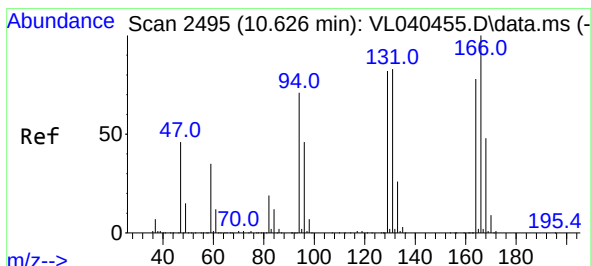
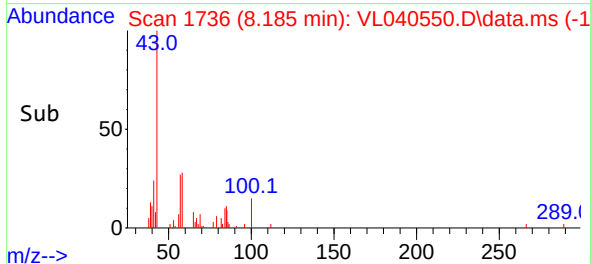
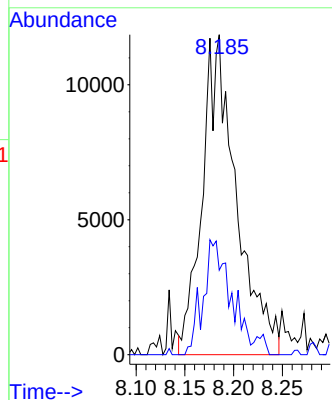
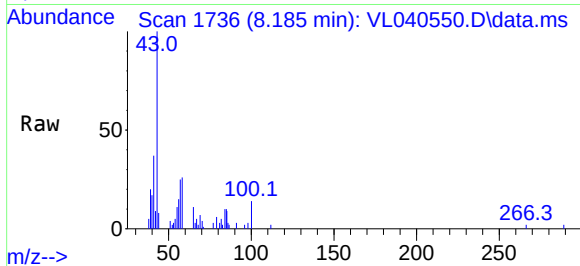
#50
4-Methyl-2-Pentanone
Concen: 0.147 ppbv m
RT: 8.185 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721

Tgt Ion: 43 Resp: 2883
Ion Ratio Lower Upper
43 100
58 30.9 30.2 45.2

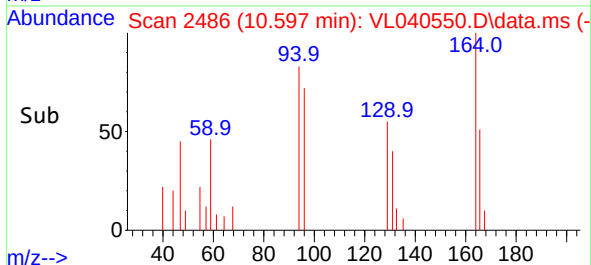
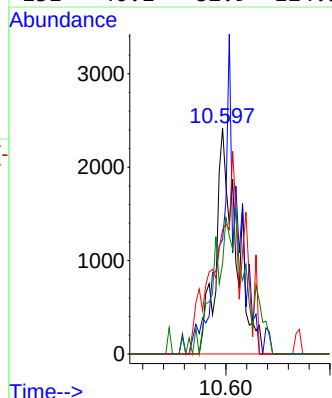
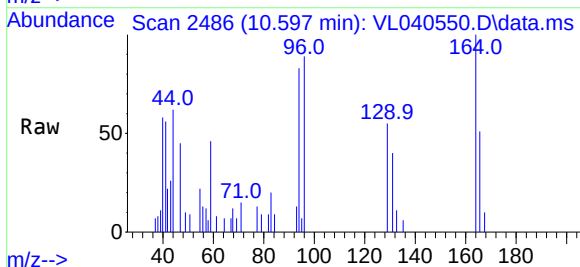
Manual Integrations
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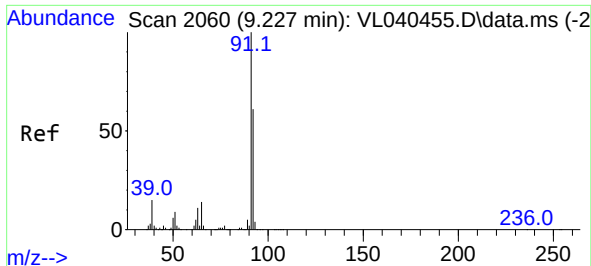
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#52
Tetrachloroethene
Concen: 0.046 ppbv m
RT: 10.597 min Scan# 2486
Delta R.T. -0.029 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Tgt Ion:164 Resp: 3288
Ion Ratio Lower Upper
164 100
166 50.7 103.9 155.9#
129 55.0 84.6 126.8#
131 40.1 82.9 124.3#





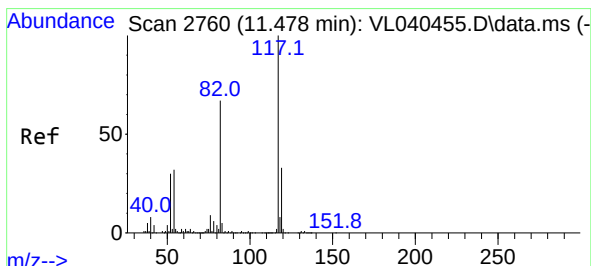
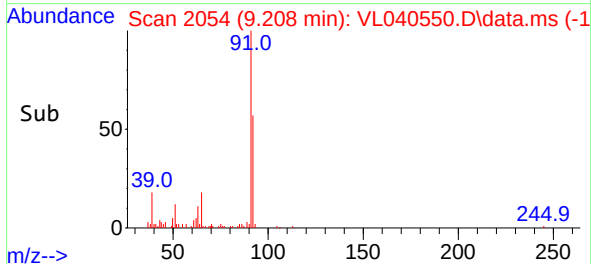
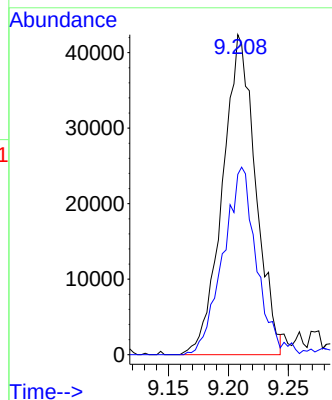
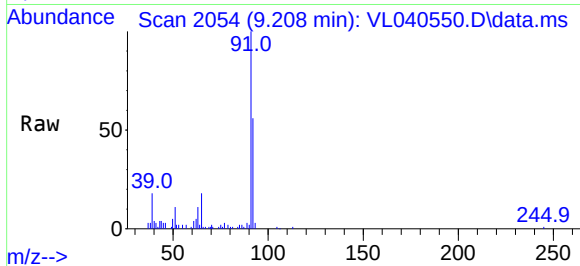
#53
Toluene
Concen: 0.342 ppbv
RT: 9.208 min Scan# 2060
Delta R.T. -0.023 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721

Tgt Ion: 91 Resp: 81312
Ion Ratio Lower Upper
91 100
92 59.5 49.1 73.7

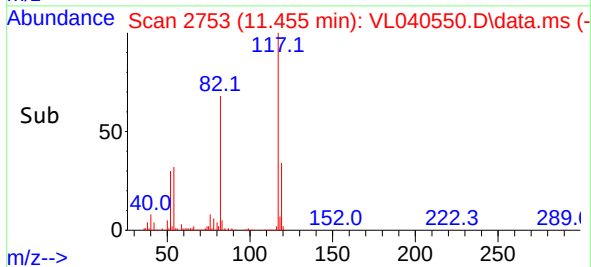
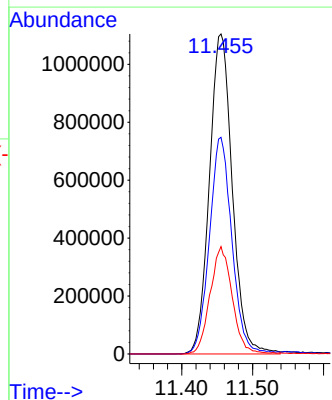
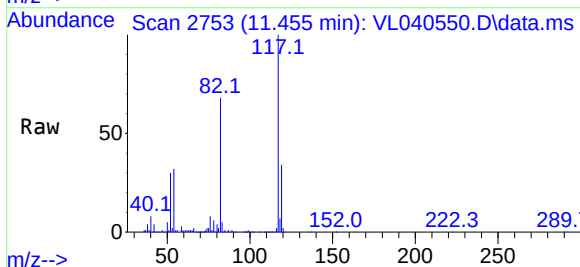
Manual Integrations
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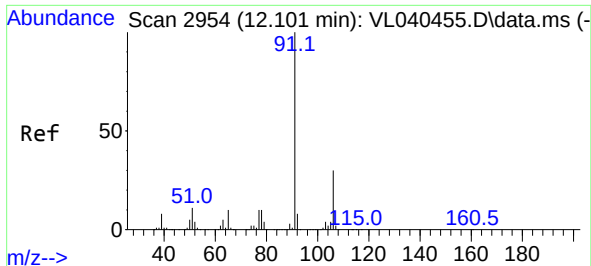
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. -0.023 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Tgt Ion:117 Resp: 2480480
Ion Ratio Lower Upper
117 100
82 66.6 50.2 75.4
119 32.6 26.9 40.3





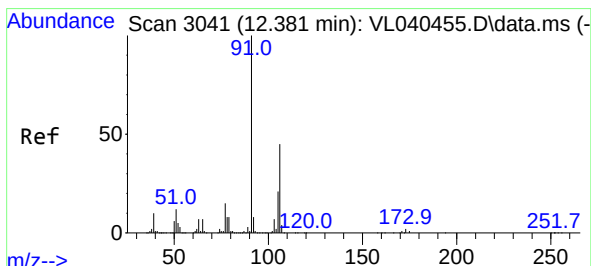
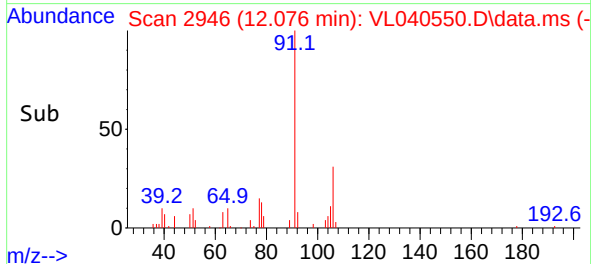
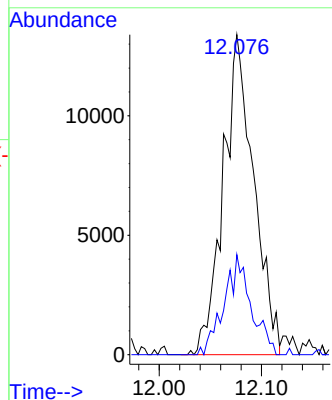
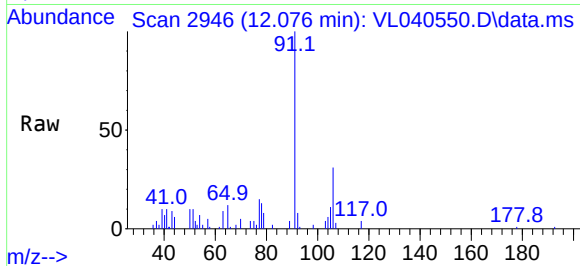
#58
Ethyl Benzene
Concen: 0.089 ppbv m
RT: 12.076 min Scan# 2954
Delta R.T. -0.026 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721

Tgt Ion: 91 Resp: 27812
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0

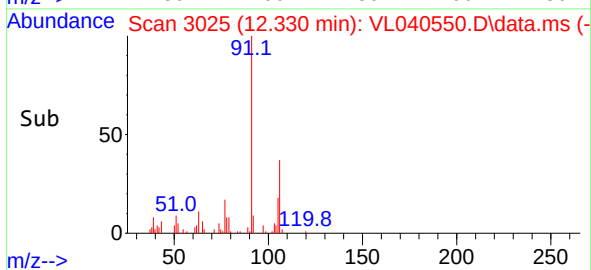
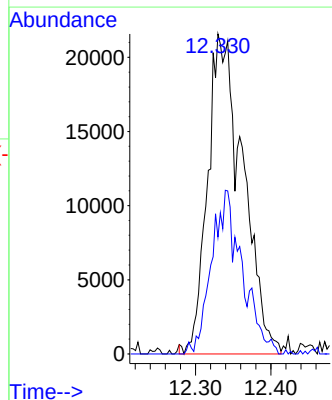
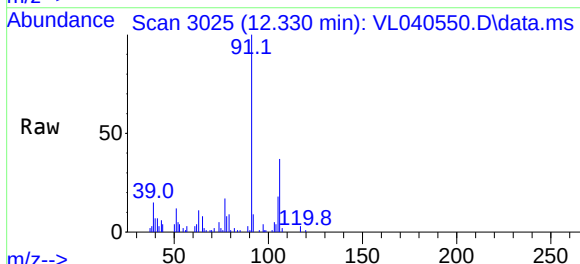
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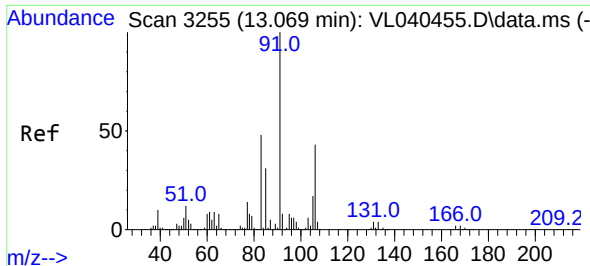
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#59
m/p-Xylene
Concen: 0.252 ppbv m
RT: 12.330 min Scan# 3025
Delta R.T. -0.055 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Tgt Ion: 91 Resp: 70005
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9#





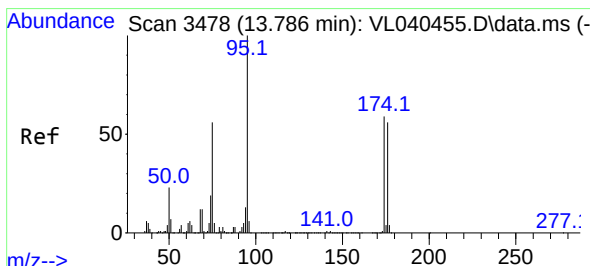
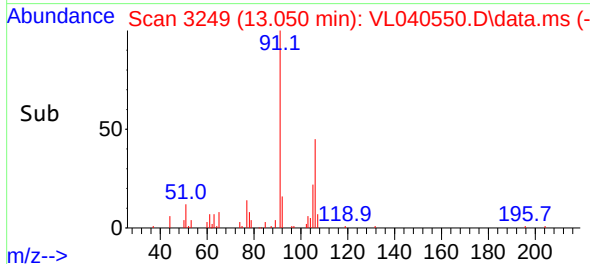
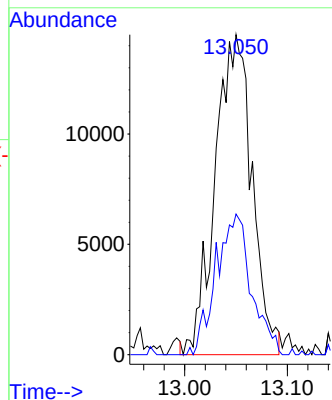
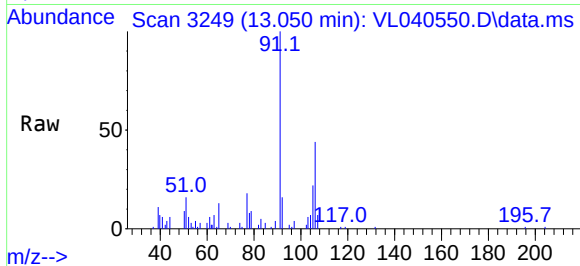
#60
o-Xylene
Concen: 0.136 ppbv m
RT: 13.050 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721

Tgt Ion: 91 Resp: 36074
Ion Ratio Lower Upper
91 100
106 42.8 22.7 68.0

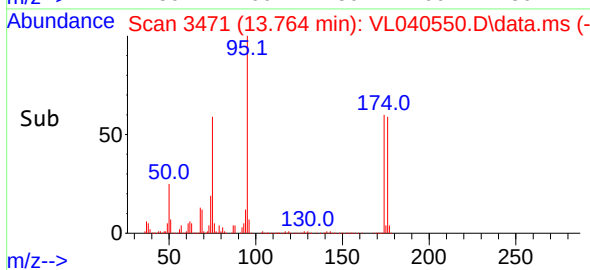
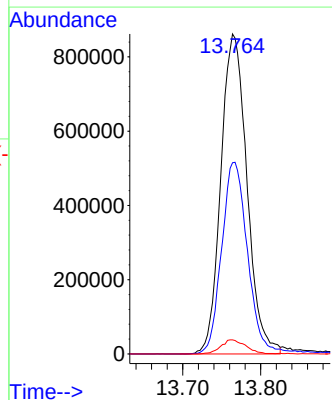
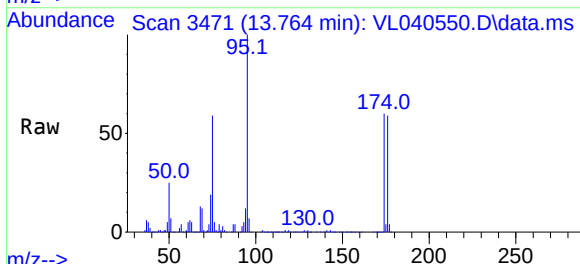
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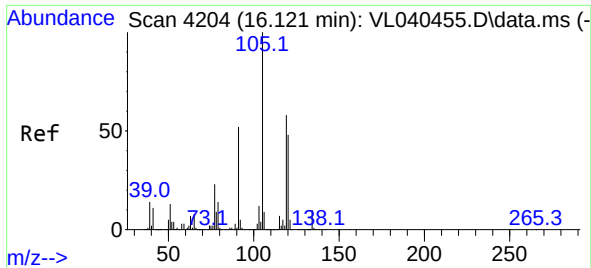
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.220 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.019 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

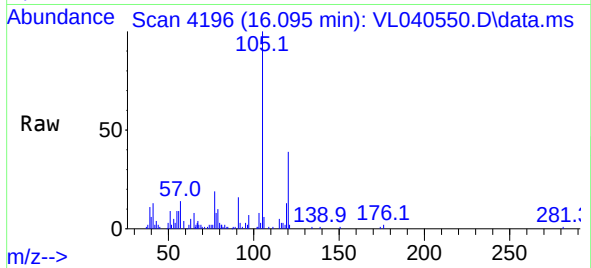
Tgt Ion: 95 Resp: 2006280
Ion Ratio Lower Upper
95 100
174 60.3 50.6 75.8
175 4.4 3.7 5.5





#74
1,2,4-Trimethylbenzene
Concen: 0.247 ppbv m
RT: 16.095 min Scan# 41
Delta R.T. -0.023 min
Lab File: VL040550.D
Acq: 26 Jul 2023 21:15

Instrument :
MSVOA_L
ClientSampleId :
SV-18-20230721



Tgt Ion:	105	Resp:	7883
Ion	Ratio	Lower	Upper
105	100		
120	39.4	40.3	60.5
91	15.8	46.8	70.2
77	19.1	18.6	28.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

