

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014992.D
 Acq On : 08 Aug 2023 17:57
 Operator : SY/MD
 Sample : 03903-09
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-09

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/09/2023
 Supervised By :Semsettin Yesilyurt 08/09/2023

Quant Time: Aug 09 01:03:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.856	168	135772m	50.000	ug/l	0.07
34) 1,4-Difluorobenzene	8.728	114	198829	50.000	ug/l	# 0.04
63) Chlorobenzene-d5	11.538	117	163273	50.000	ug/l	# 0.05
72) 1,4-Dichlorobenzene-d4	13.434	152	24349	50.000	ug/l	# 0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	7.752	113	78309	61.589	ug/l	0.04
Spiked Amount	50.000	Range	54 - 147	Recovery	=	123.180%
50) Toluene-d8	10.288	98	4289158	886.279	ug/l	0.11
Spiked Amount	50.000	Range	58 - 134	Recovery	=	1772.560%#
62) 4-Bromofluorobenzene	12.483	95	369743	215.567	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	431.140%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	3651	3.417	ug/l	95
10) Methyl Iodide	4.082	142	11097	8.714	ug/l	92
17) Carbon Disulfide	4.192	76	30442	12.830	ug/l	99
31) Cyclohexane	7.783	56	11032236	6966.555	ug/l	# 61
39) Methylcyclohexane	9.313	83	55526433	29578.907	ug/l	# 89
52) Toluene	10.343	92	1680629	561.857	ug/l	88
55) 1,1,2-Trichloroethane	10.697	97	39624195m	34258.359	ug/l	
67) Ethyl Benzene	11.581	91	53085236m	9763.467	ug/l	
68) m/p-Xylenes	11.703	106	47195248m	22690.418	ug/l	
69) o-Xylene	12.050	106	5253073	2581.028	ug/l	95
73) Isopropylbenzene	12.331	105	25328544m	15474.582	ug/l	
78) n-propylbenzene	12.660	91	33947077m	17340.513	ug/l	
80) 1,3,5-Trimethylbenzene	12.812	105	20897841m	15493.377	ug/l	
84) 1,2,4-Trimethylbenzene	13.111	105	35834020m	26516.513	ug/l	
85) sec-Butylbenzene	13.257	105	7577994	4184.539	ug/l	# 51
86) p-Isopropyltoluene	13.373	119	2758974	1840.510	ug/l	99
89) n-Butylbenzene	13.696	91	7254549	5150.746	ug/l	# 64

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

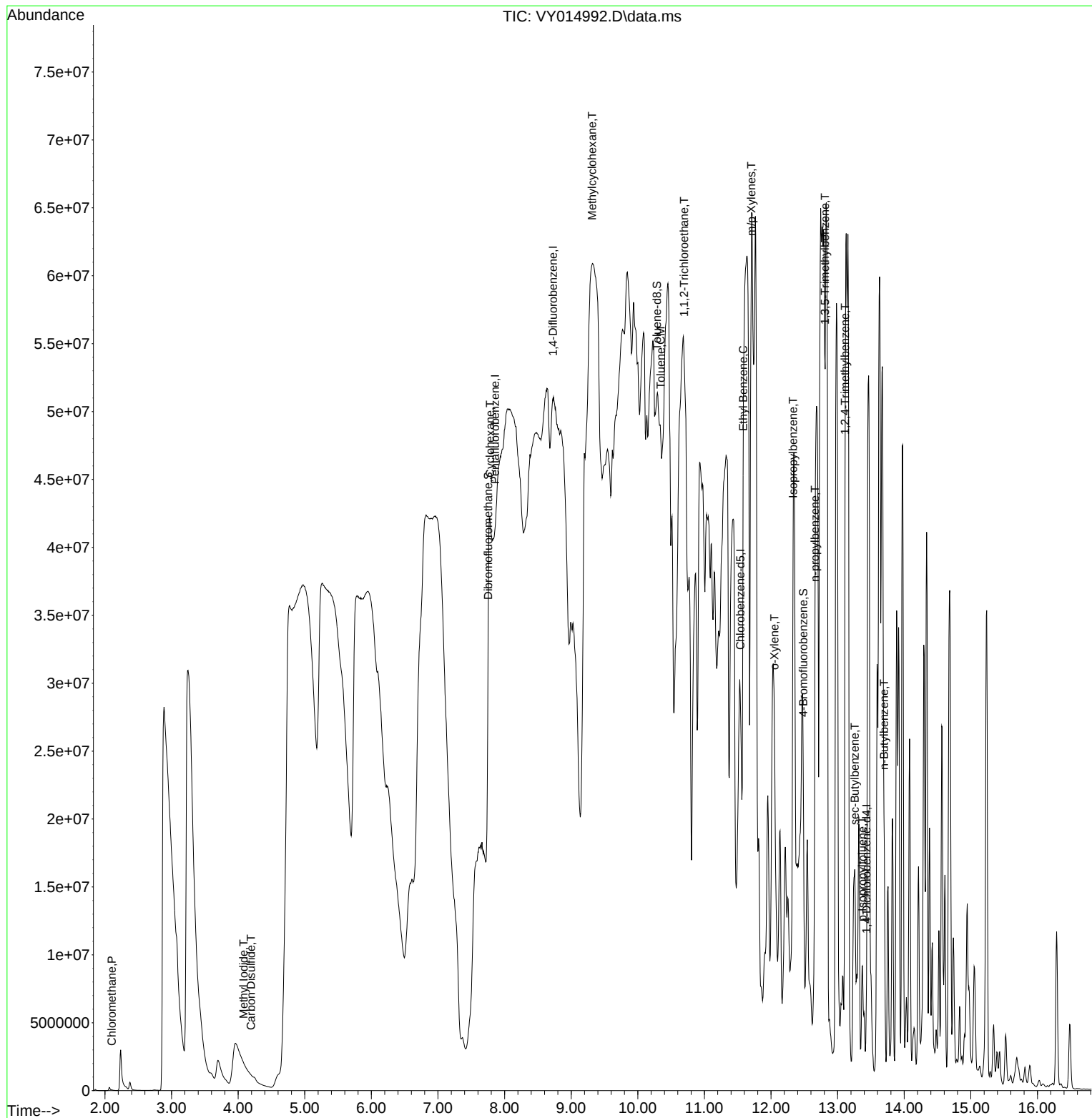
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
Data File : VY014992.D
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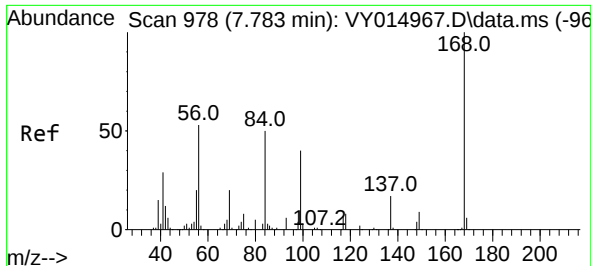
Instrument :
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ClientSampleId :
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Supervised By :Semsettin Yesilyurt 08/09/2023

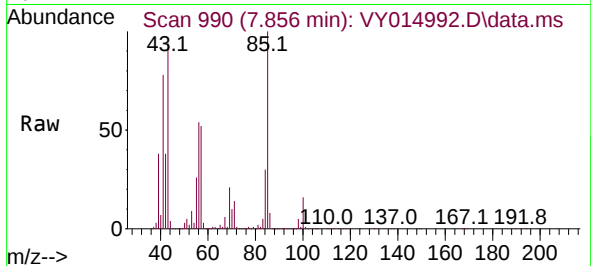
Quant Time: Aug 09 01:03:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 07:44:56 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l m
RT: 7.856 min Scan# 99
Delta R.T. 0.073 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

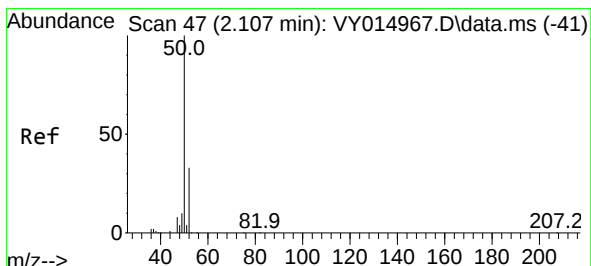
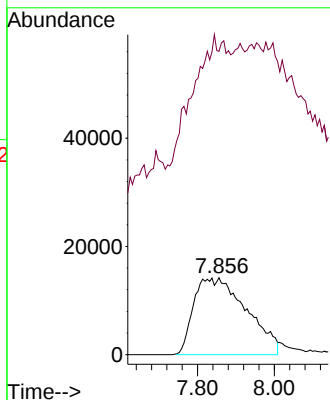
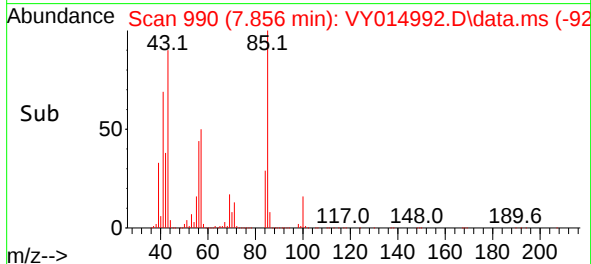
Instrument :
MSVOA_Y
ClientSampleId :
MW-09



Tgt Ion:168 Resp: 135772
Ion Ratio Lower Upper
168 100
99 393.8 43.4 65.0

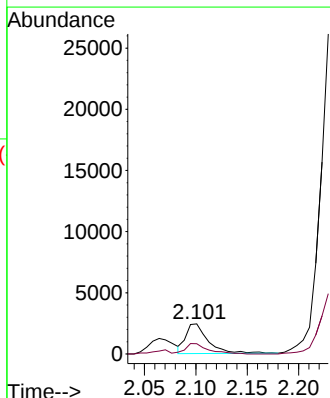
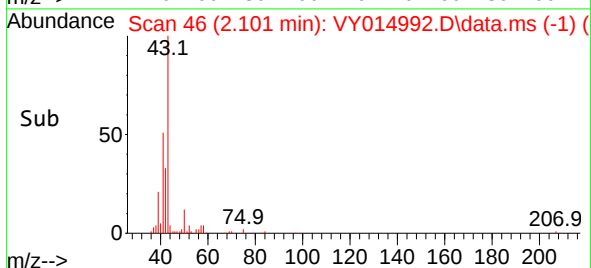
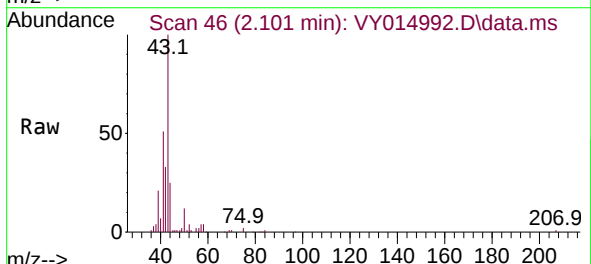
Manual Integrations
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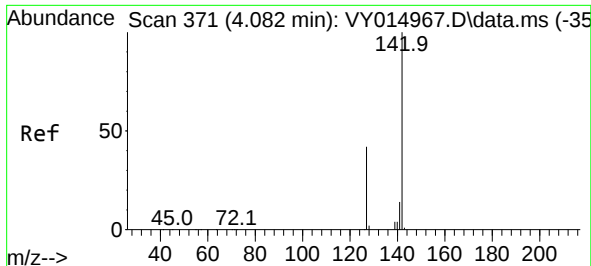
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023



#3
Chloromethane
Concen: 3.417 ug/l
RT: 2.101 min Scan# 46
Delta R.T. -0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

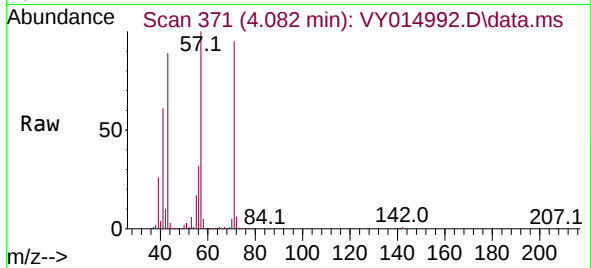
Tgt Ion: 50 Resp: 3651
Ion Ratio Lower Upper
50 100
52 34.8 25.4 38.2





#10
Methyl Iodide
Concen: 8.714 ug/l
RT: 4.082 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

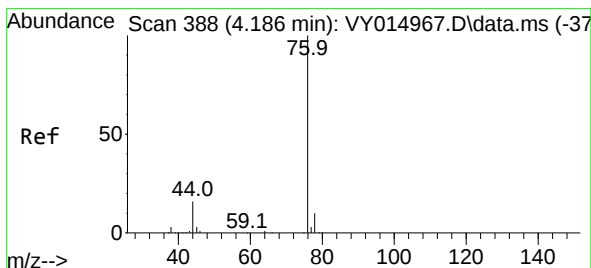
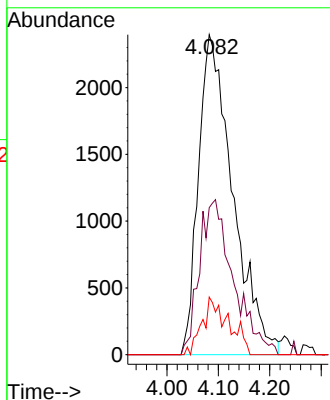
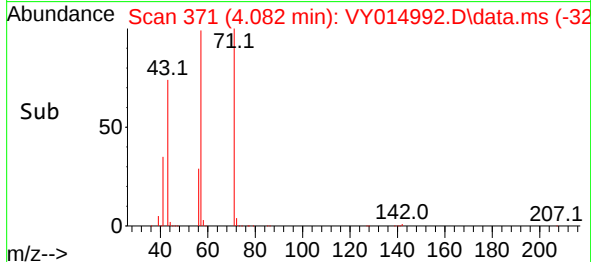
Instrument :
MSVOA_Y
ClientSampleId :
MW-09



Tgt Ion:142 Resp: 1109
Ion Ratio Lower Upper
142 100
127 41.6 37.6 56.4
141 12.4 11.8 17.8

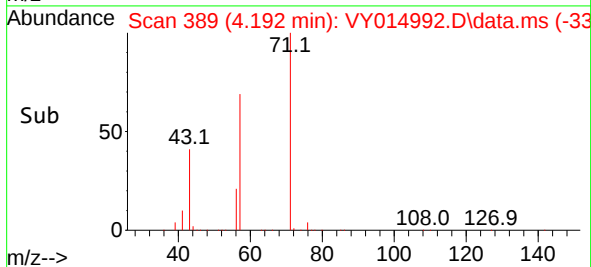
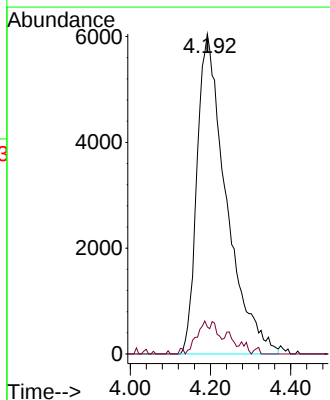
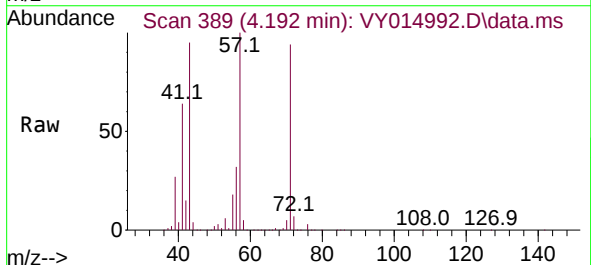
Manual Integrations
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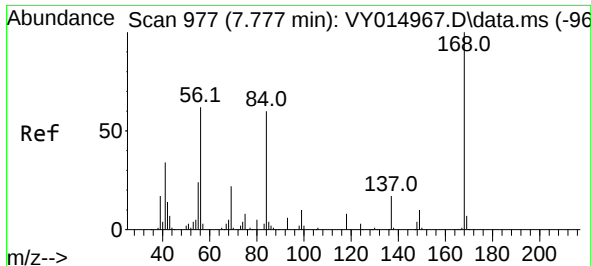
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023



#17
Carbon Disulfide
Concen: 12.830 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

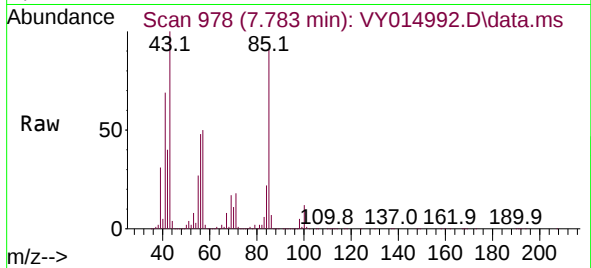
Tgt Ion: 76 Resp: 30442
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4





#31
Cyclohexane
Concen: 6966.555 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

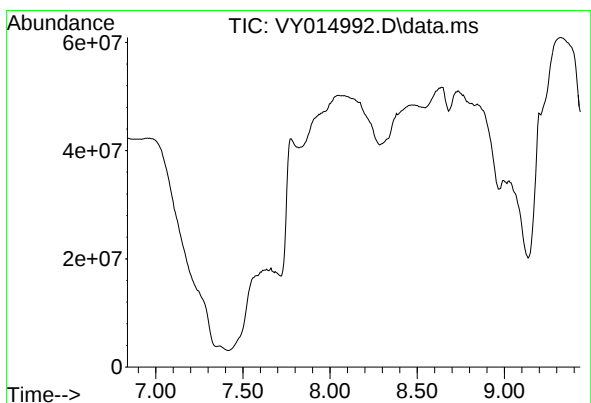
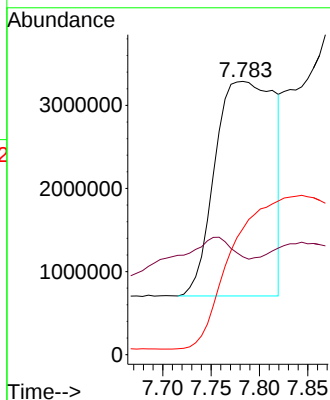
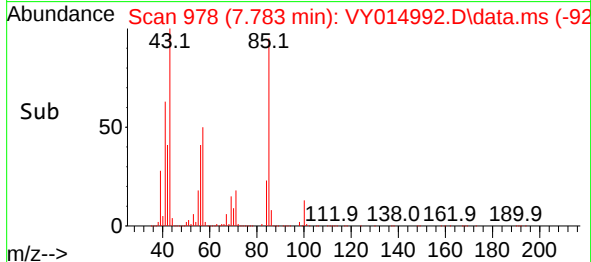
Instrument :
MSVOA_Y
ClientSampleId :
MW-09



Tgt Ion: 56 Resp:11032230
Ion Ratio Lower Upper
56 100
69 0.0 27.8 41.6
84 55.9 66.4 99.6

Manual Integrations
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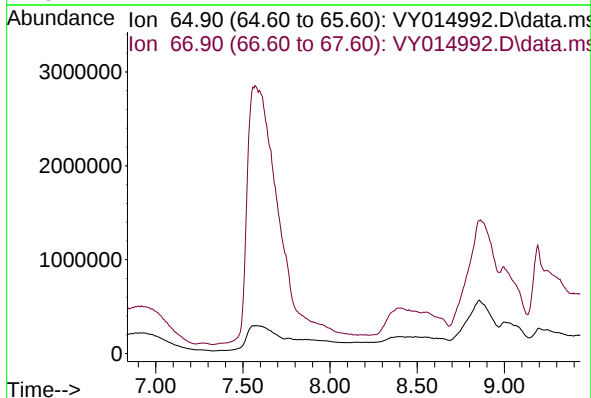
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023

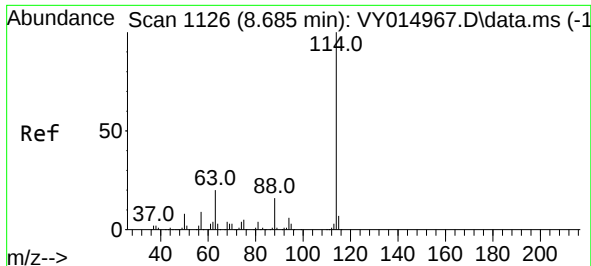


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.14 min

Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 65
Sig Exp Ratio
65 100
67 50.9





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.728 min Scan# 1126

Delta R.T. 0.043 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

Tgt Ion:114 Resp: 198829

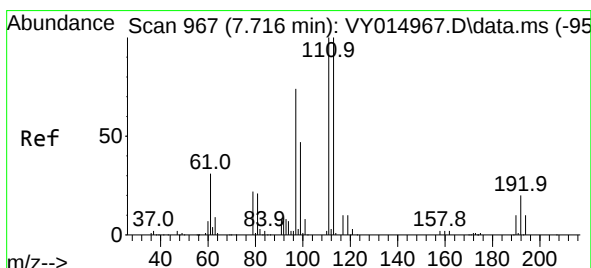
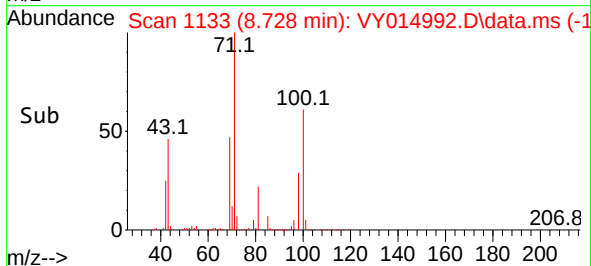
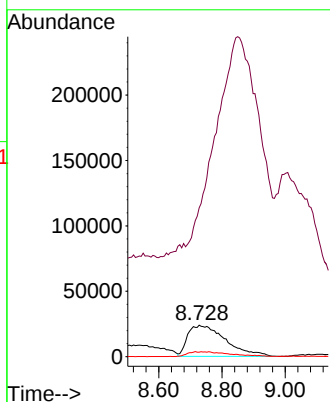
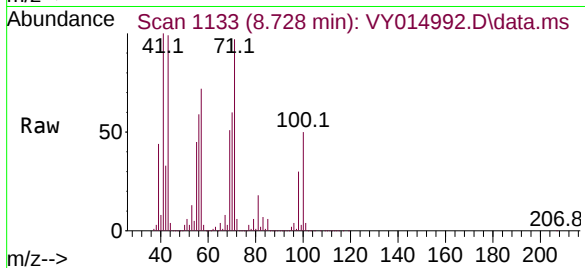
Ion	Ratio	Lower	Upper
114	100		
63	123.0	0.0	42.4
88	13.1	0.0	30.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 08/09/2023



#35

Dibromofluoromethane

Concen: 61.589 ug/l

RT: 7.752 min Scan# 973

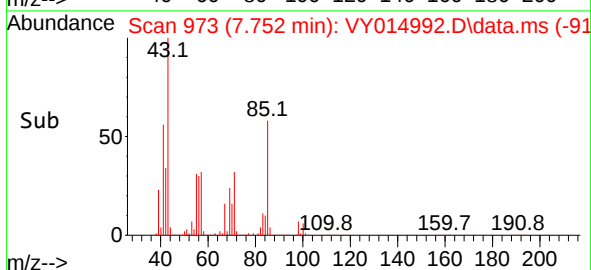
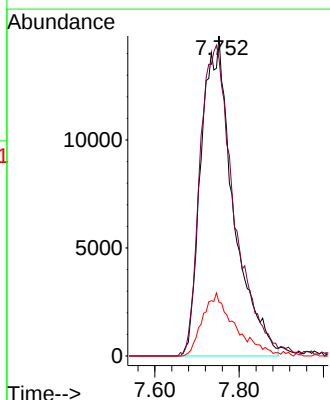
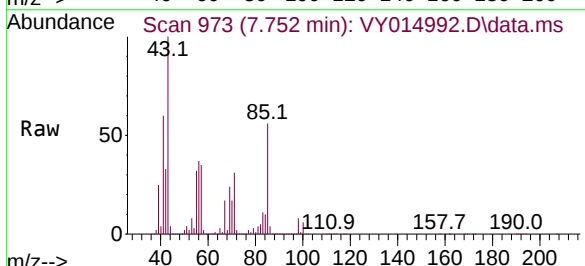
Delta R.T. 0.037 min

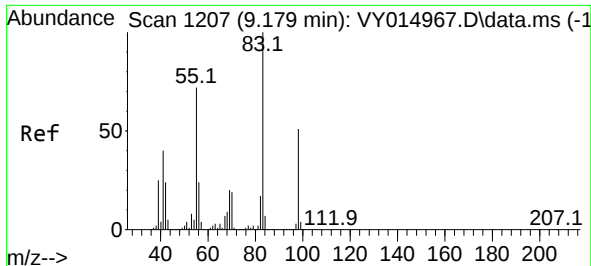
Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Tgt Ion:113 Resp: 78309

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.3	121.9
192	19.8	16.9	25.3





#39

Methylcyclohexane

Concen: 29578.907 ug/l

RT: 9.313 min Scan# 11

Delta R.T. 0.134 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

Tgt Ion: 83 Resp: 5552643

Ion Ratio Lower Upper

83 100

55 72.4 63.0 94.4

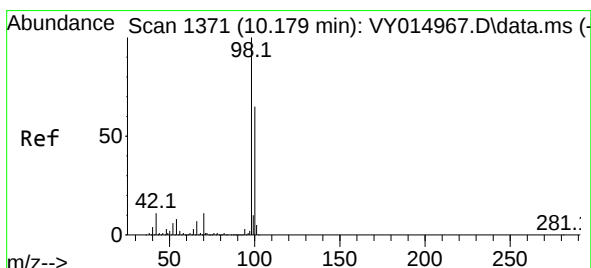
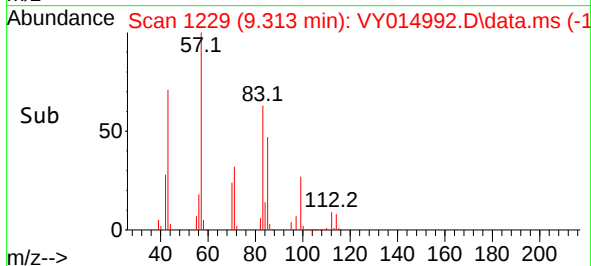
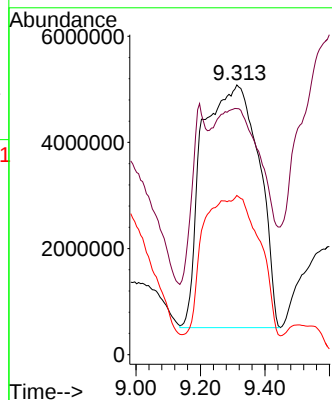
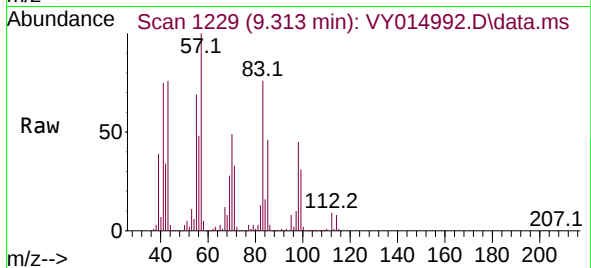
98 57.8 37.4 56.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 08/09/2023



#50

Toluene-d8

Concen: 886.279 ug/l

RT: 10.288 min Scan# 1389

Delta R.T. 0.110 min

Lab File: VY014992.D

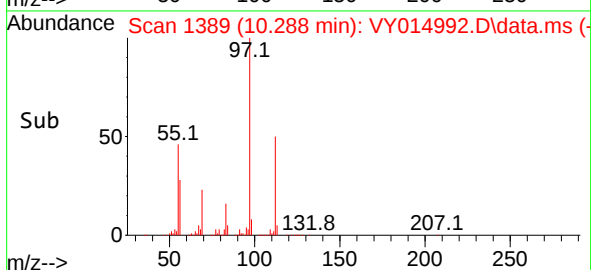
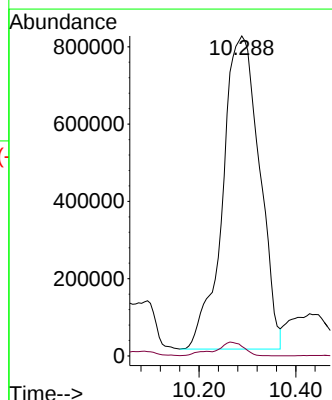
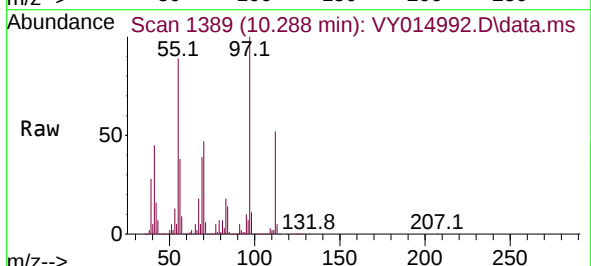
Acq: 08 Aug 2023 17:57

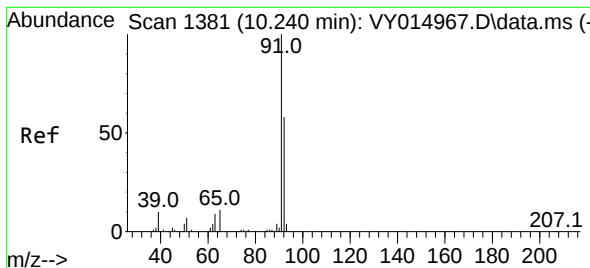
Tgt Ion: 98 Resp: 4289158

Ion Ratio Lower Upper

98 100

100 0.0 50.1 75.1#





#52

Toluene

Concen: 561.857 ug/l

RT: 10.343 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

Tgt Ion: 92 Resp: 1680629

Ion Ratio Lower Upper

92 100

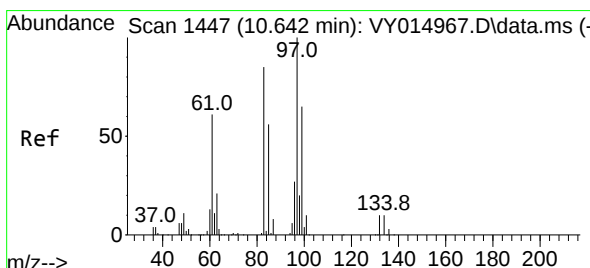
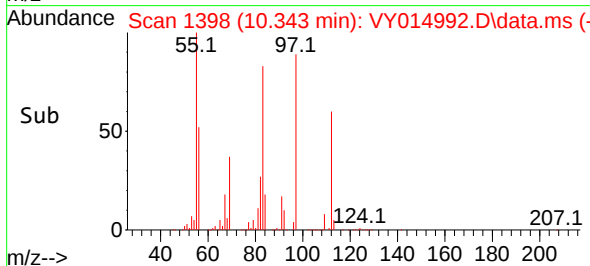
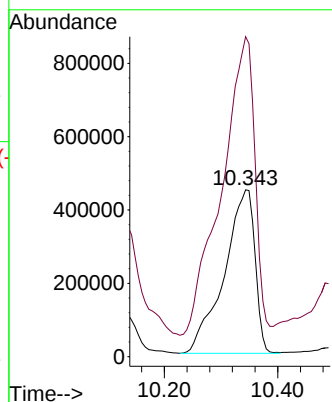
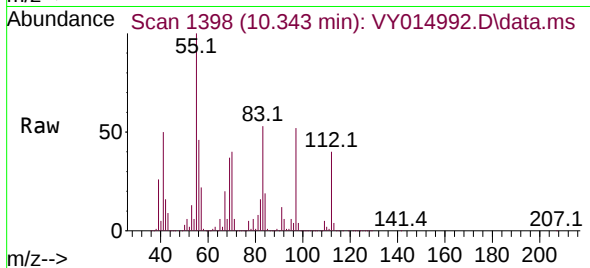
91 197.1 143.8 215.6

Manual Integrations

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#55

1,1,2-Trichloroethane

Concen: 34258.359 ug/l m

RT: 10.697 min Scan# 1456

Delta R.T. 0.055 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Tgt Ion: 97 Resp:39624195

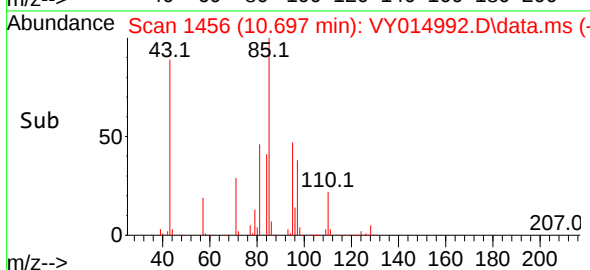
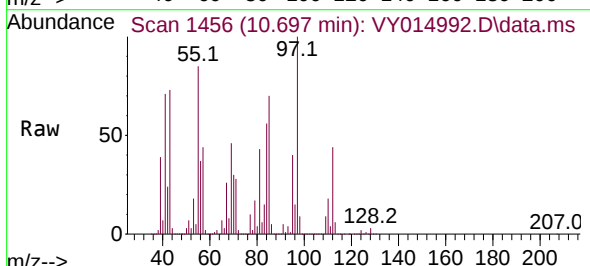
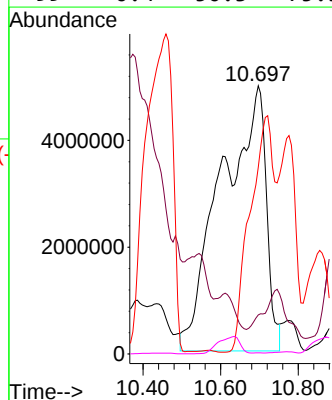
Ion Ratio Lower Upper

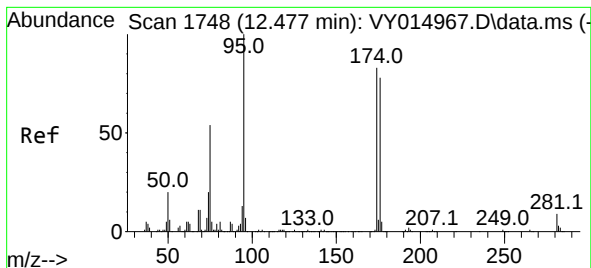
97 100

83 14.5 72.0 108.0#

85 69.6 45.4 68.0#

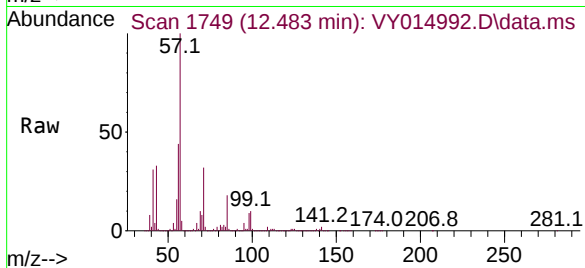
99 0.4 50.3 75.5#





#62
4-Bromofluorobenzene
Concen: 215.567 ug/l
RT: 12.483 min Scan# 1748
Delta R.T. 0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

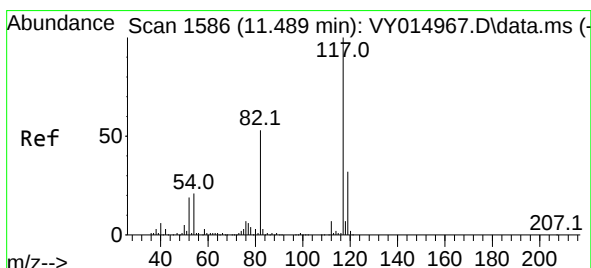
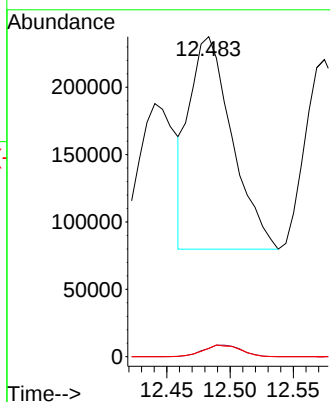
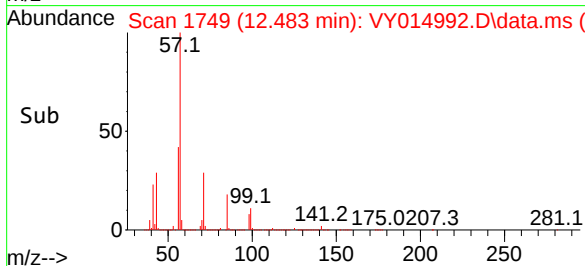
Instrument :
MSVOA_Y
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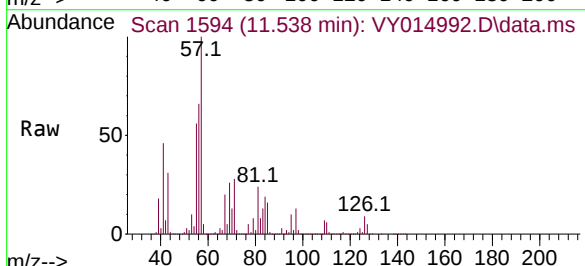
Tgt Ion: 95 Resp: 36974
Ion Ratio Lower Upper
95 100
174 4.8 0.0 178.2
176 4.7 0.0 173.8

Manual Integrations
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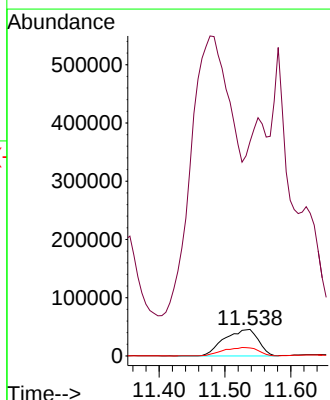
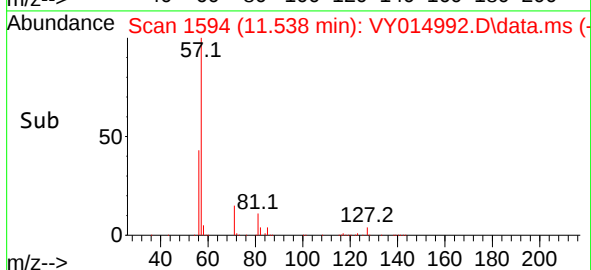
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023

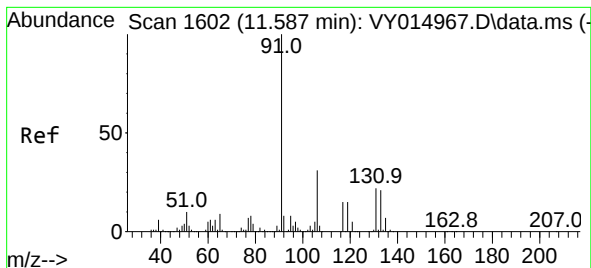


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.538 min Scan# 1594
Delta R.T. 0.049 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57



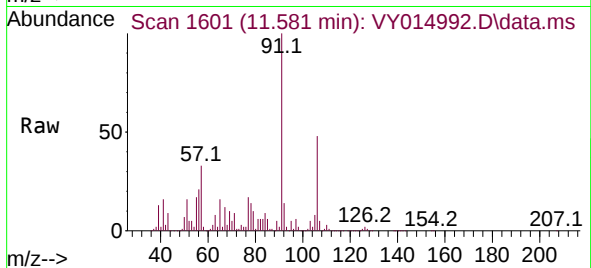
Tgt Ion:117 Resp: 163273
Ion Ratio Lower Upper
117 100
82 490.3 43.4 65.0#
119 29.7 26.3 39.5





#67
Ethyl Benzene
Concen: 9763.467 ug/l m
RT: 11.581 min Scan# 1601
Delta R.T. -0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

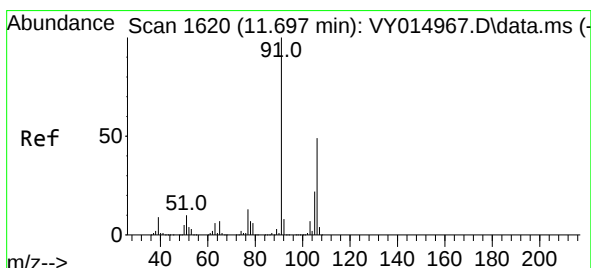
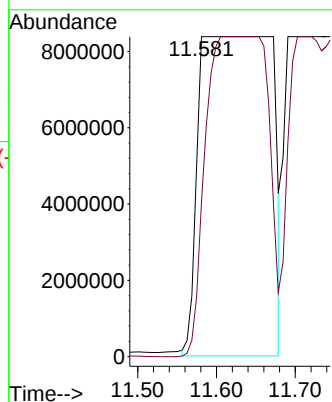
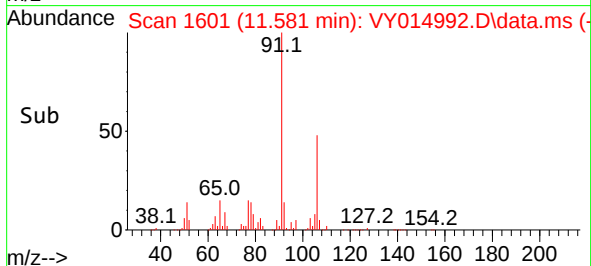
Instrument :
MSVOA_Y
ClientSampleId :
MW-09



Tgt Ion: 91 Resp:53085230
Ion Ratio Lower Upper
91 100
106 48.3 24.6 36.8

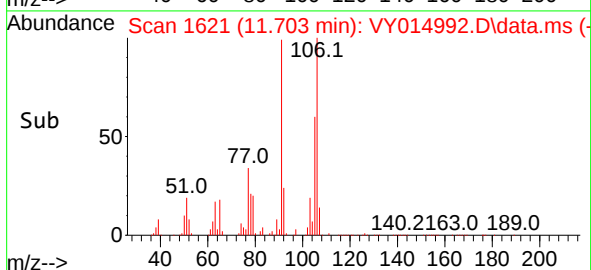
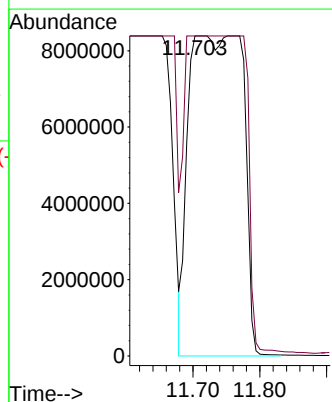
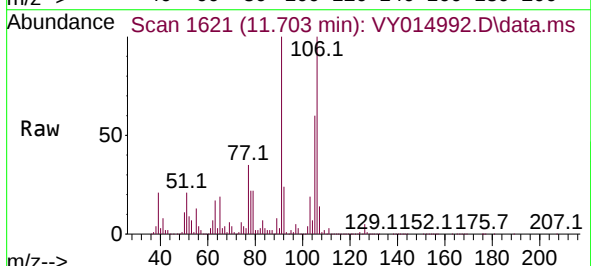
Manual Integrations
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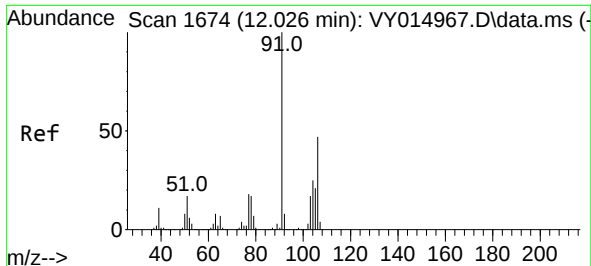
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023



#68
m/p-Xylenes
Concen: 22690.418 ug/l m
RT: 11.703 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion:106 Resp:47195248
Ion Ratio Lower Upper
106 100
91 3.2 166.1 249.1#





#69

o-Xylene

Concen: 2581.028 ug/l

RT: 12.050 min Scan# 1

Delta R.T. 0.024 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

Tgt Ion:106 Resp: 525307

Ion Ratio Lower Upper

106 100

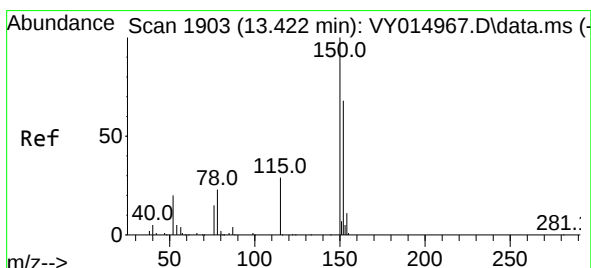
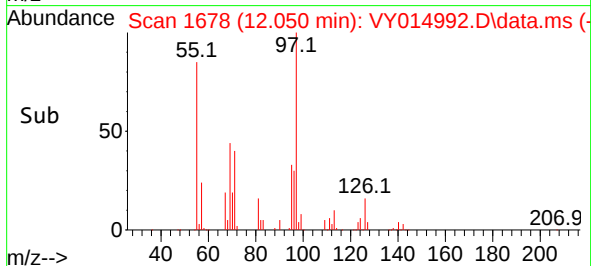
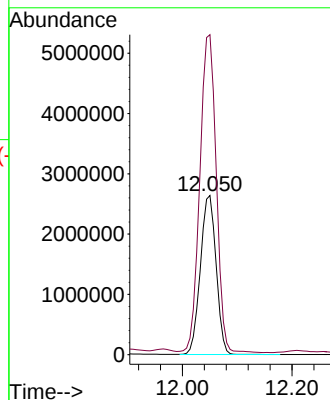
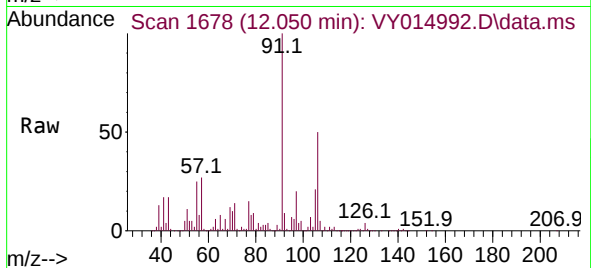
91 209.0 108.1 324.3

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 08/09/2023

Supervised By :Semsettin Yesilyurt 08/09/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

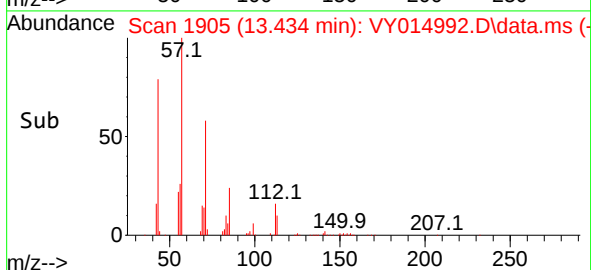
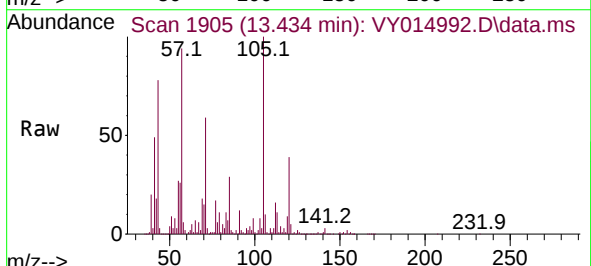
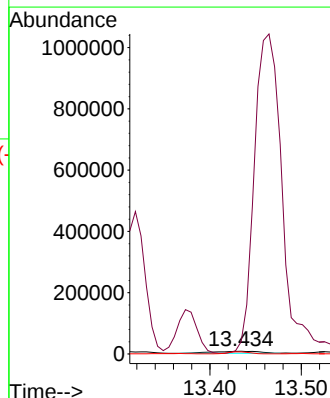
Tgt Ion:152 Resp: 24349

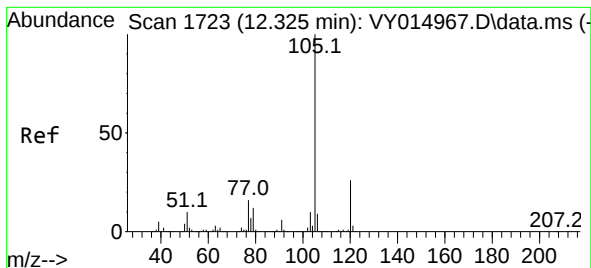
Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 47.3 0.0 348.8





#73

Isopropylbenzene

Concen: 15474.582 ug/l m

RT: 12.331 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

Tgt Ion:105 Resp:2532854

Ion Ratio Lower Upper

105 100

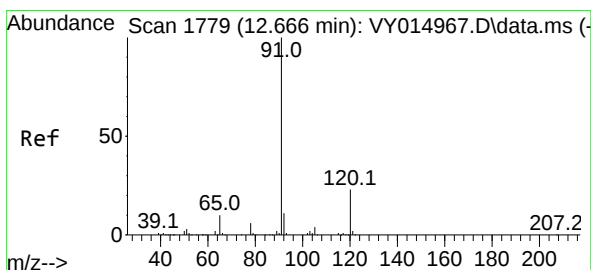
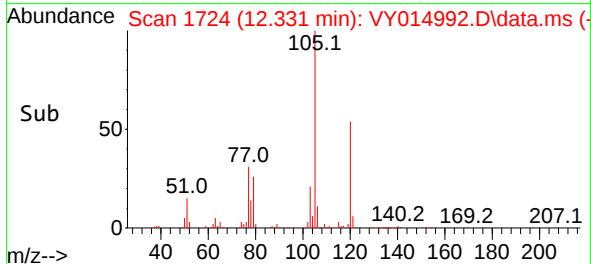
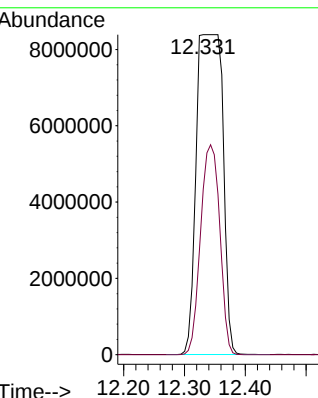
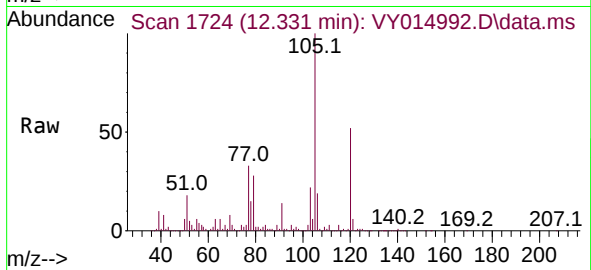
120 0.0 13.3 39.9

Manual Integrations

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Reviewed By :Romaben Patel 08/09/2023

Supervised By :Semsettin Yesilyurt 08/09/2023



#78

n-propylbenzene

Concen: 17340.513 ug/l m

RT: 12.660 min Scan# 1778

Delta R.T. -0.006 min

Lab File: VY014992.D

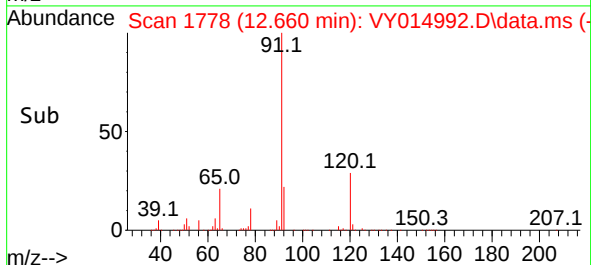
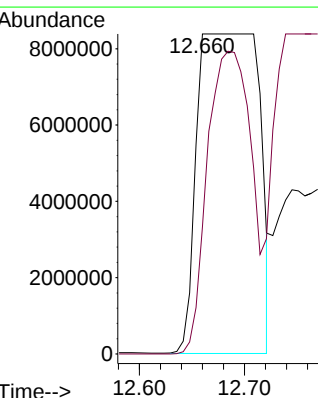
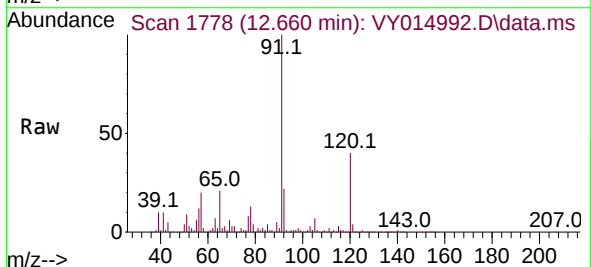
Acq: 08 Aug 2023 17:57

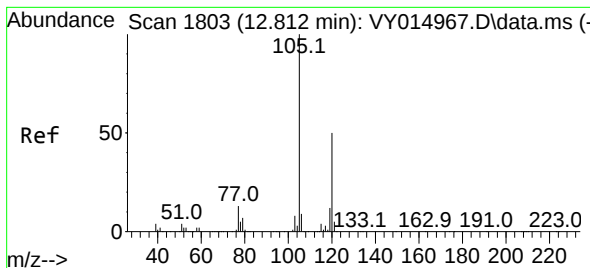
Tgt Ion: 91 Resp:33947077

Ion Ratio Lower Upper

91 100

120 8.3 11.5 34.4#





#80

1,3,5-Trimethylbenzene

Concen: 15493.377 ug/l m

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

Tgt Ion:105 Resp:2089784

Ion Ratio Lower Upper

105 100

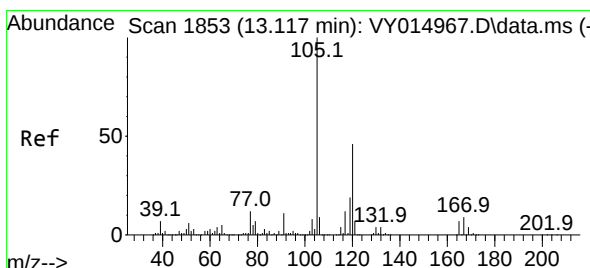
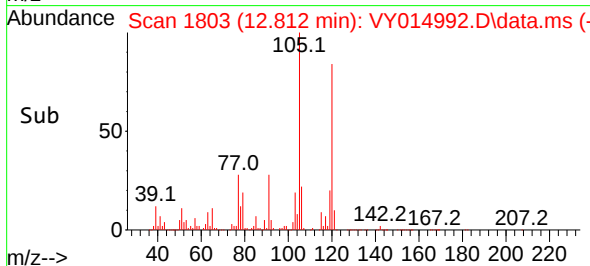
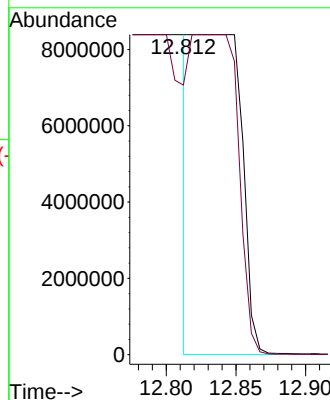
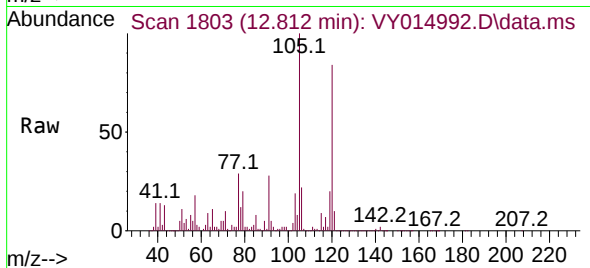
120 13.5 23.9 71.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 08/09/2023

Supervised By :Semsettin Yesilyurt 08/09/2023



#84

1,2,4-Trimethylbenzene

Concen: 26516.513 ug/l m

RT: 13.111 min Scan# 1852

Delta R.T. -0.006 min

Lab File: VY014992.D

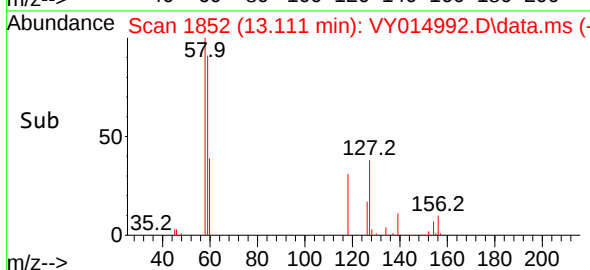
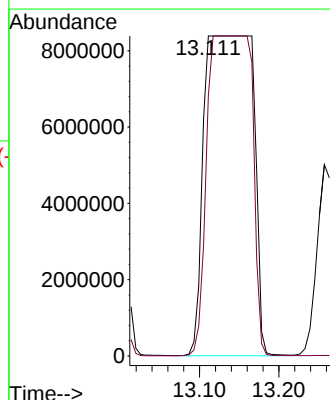
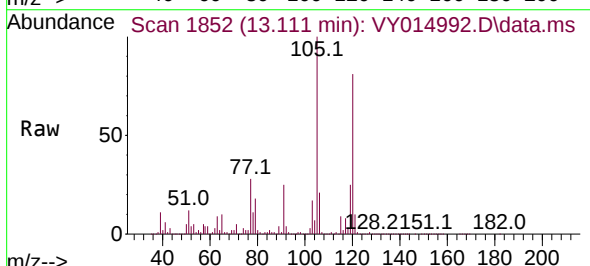
Acq: 08 Aug 2023 17:57

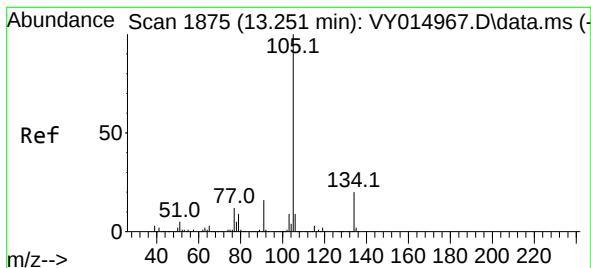
Tgt Ion:105 Resp:35834020

Ion Ratio Lower Upper

105 100

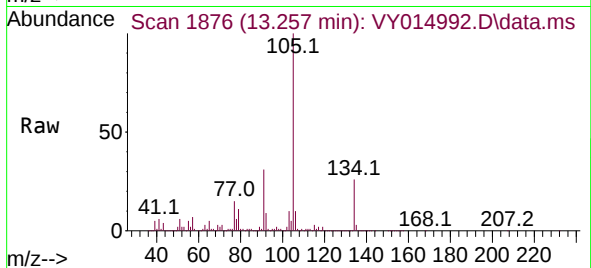
120 0.0 22.2 66.6





#85
 sec-Butylbenzene
 Concen: 4184.539 ug/l
 RT: 13.257 min Scan# 1876
 Delta R.T. 0.006 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

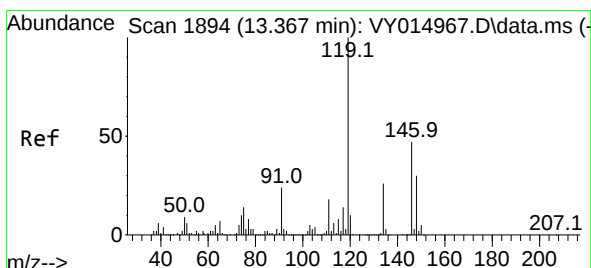
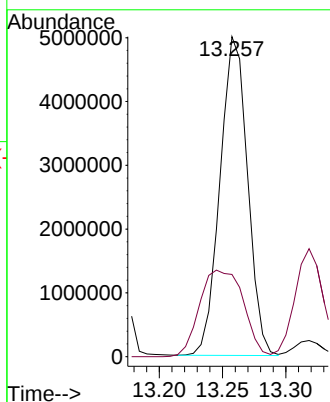
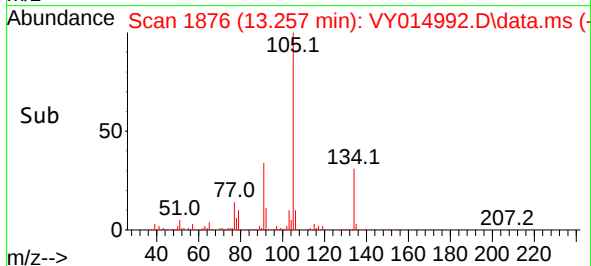
Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-09



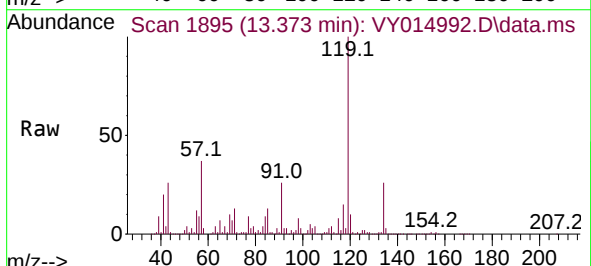
Tgt Ion:105 Resp: 7577994
 Ion Ratio Lower Upper
 105 100
 134 43.1 10.2 30.6

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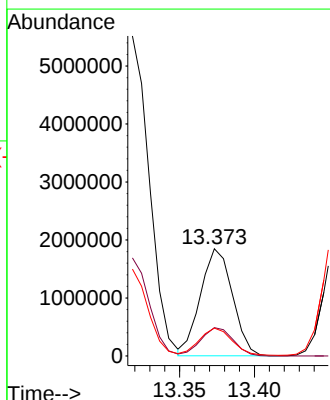
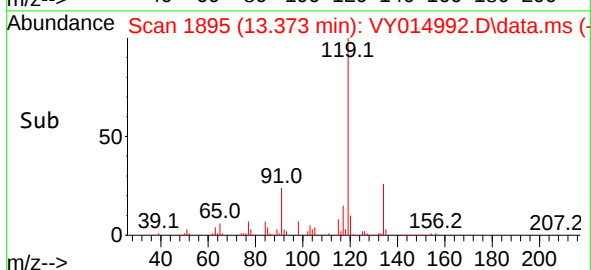
Reviewed By :Romaben Patel 08/09/2023
 Supervised By :Semsettin Yesilyurt 08/09/2023

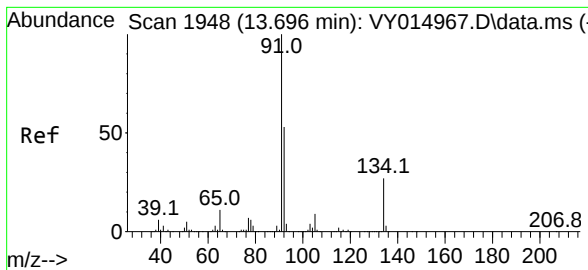


#86
 p-Isopropyltoluene
 Concen: 1840.510 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57



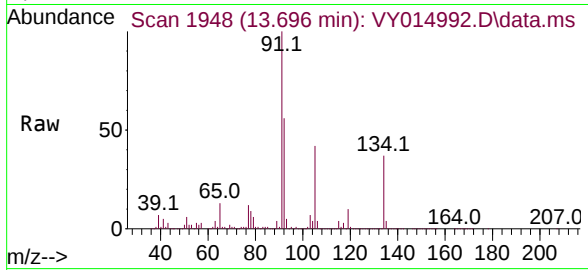
Tgt Ion:119 Resp: 2758974
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 25.5 12.4 37.4





#89
 n-Butylbenzene
 Concen: 5150.746 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. -0.000 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

Instrument : MSVOA_Y
 ClientSampleId : MW-09



Tgt Ion: 91 Resp: 7254549

Ion	Ratio	Lower	Upper
91	100		
92	71.0	25.4	76.0
134	0.0	12.6	37.6

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/09/2023
 Supervised By :Semsettin Yesilyurt 08/09/2023

