

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076099.D
 Acq On : 04 Jan 2023 22:20
 Operator : JC\MD
 Sample : 01019-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33886

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/05/2023
 Supervised By : Mahesh Dadoda 01/05/2023

Quant Time: Jan 05 01:30:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	357320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	561828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	488014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	219549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	180828	46.518	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.040%		
35) Dibromofluoromethane	8.171	113	165193	47.479	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.960%		
50) Toluene-d8	10.571	98	643508	49.467	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.940%		
62) 4-Bromofluorobenzene	12.853	95	208164	48.313	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.620%		
Target Compounds					Qvalue	
16) Acetone	4.459	43	10266	7.661	ug/l	94
19) Methyl tert-butyl Ether	5.812	73	15285	1.466	ug/l	98
22) Diisopropyl ether	6.689	45	4782	0.532	ug/l	99
39) Methylcyclohexane	9.606	83	3238	0.581	ug/l #	86
40) Benzene	8.618	78	312430	21.909	ug/l	98
52) Toluene	10.635	92	982501	105.789	ug/l	100
67) Ethyl Benzene	11.965	91	258806	15.309	ug/l	97
68) m/p-Xylenes	12.070	106	536065	80.117	ug/l	97
69) o-Xylene	12.400	106	391120	59.068	ug/l	99
73) Isopropylbenzene	12.700	105	33854	2.134	ug/l	98
78) n-propylbenzene	13.041	91	42816	2.447	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	204347	15.389	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	558986	42.434	ug/l	99
85) sec-Butylbenzene	13.617	105	9267m	0.573	ug/l	
86) p-Isopropyltoluene	13.735	119	8946	0.665	ug/l	96
89) n-Butylbenzene	14.059	91	8443m	0.775	ug/l	
95) Naphthalene	15.641	128	90884	9.453	ug/l	99

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

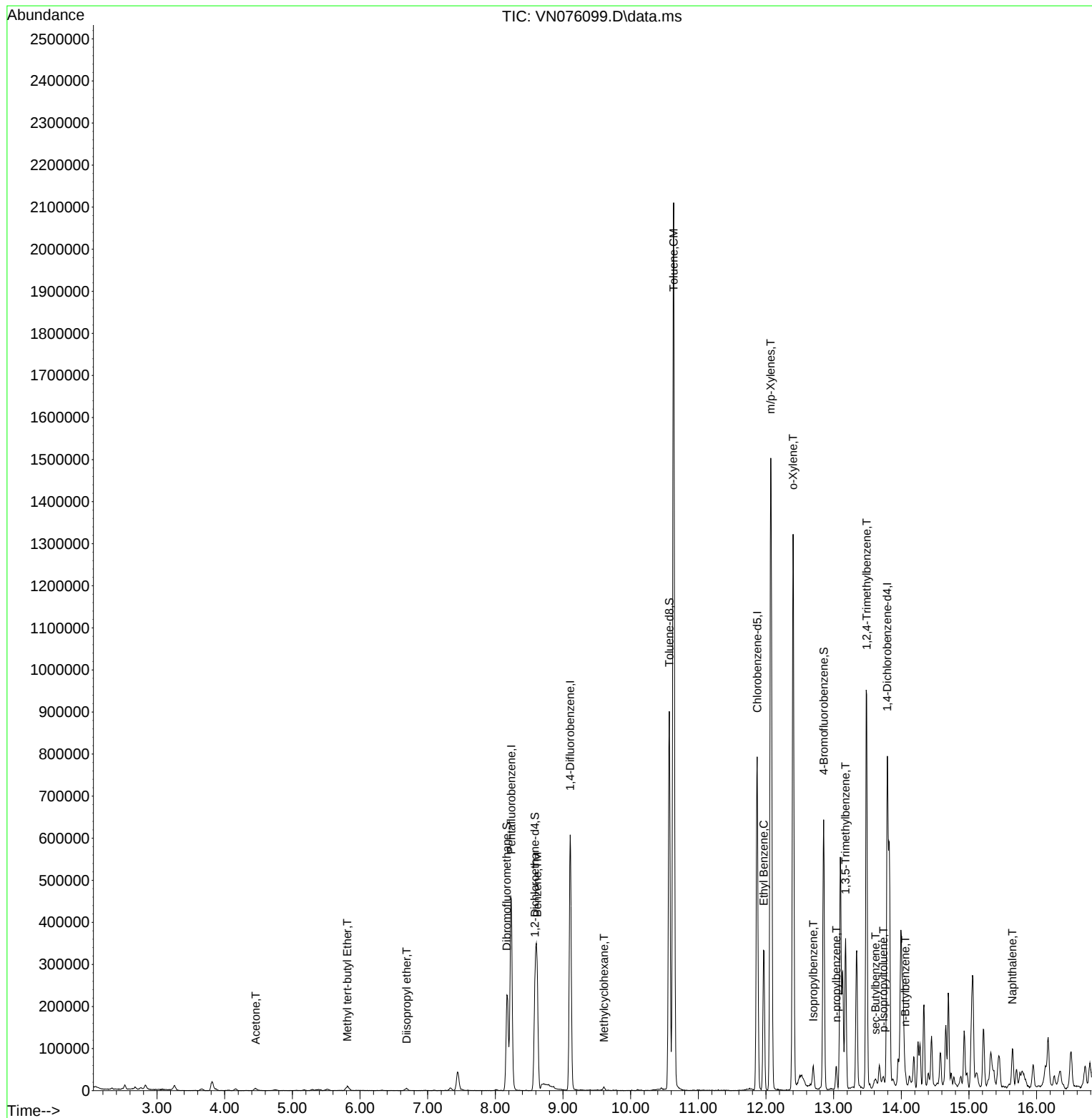
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
Data File : VN076099.D
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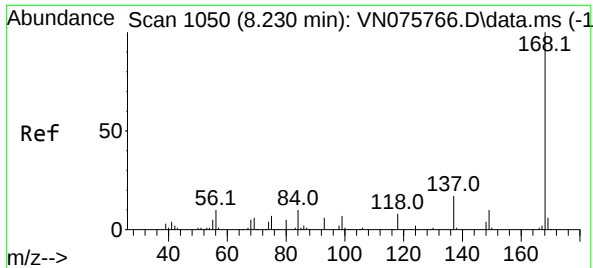
Instrument :
MSVOA_N
ClientSampleId :
33886

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Supervised By : Mahesh Dadoda 01/05/2023

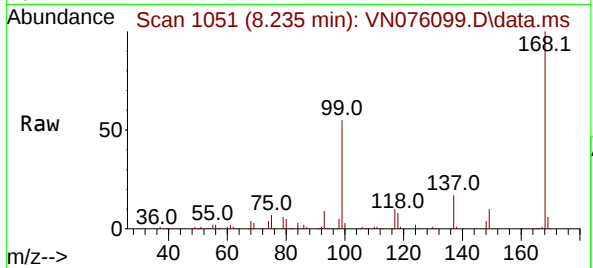
Quant Time: Jan 05 01:30:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

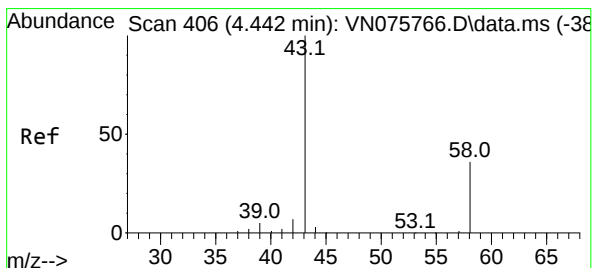
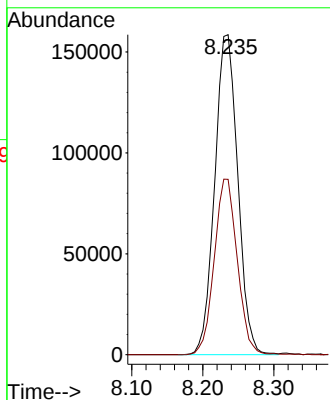
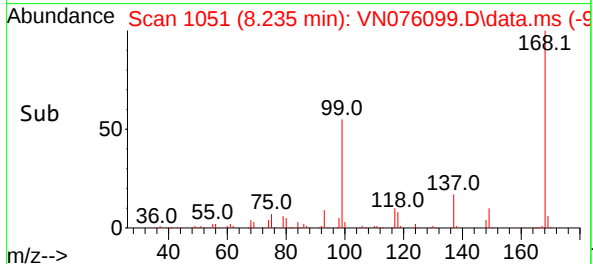
Instrument :
MSVOA_N
ClientSampleId :
33886



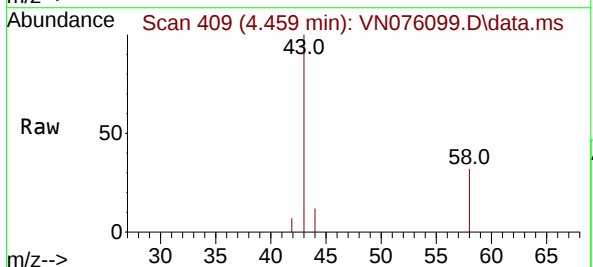
Tgt Ion:168 Resp: 357320
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4

Manual Integrations
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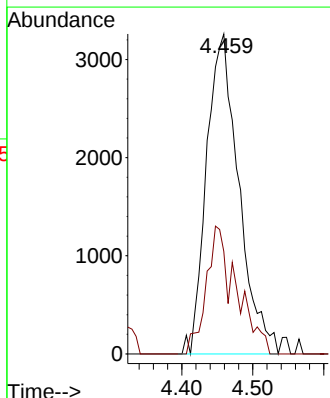
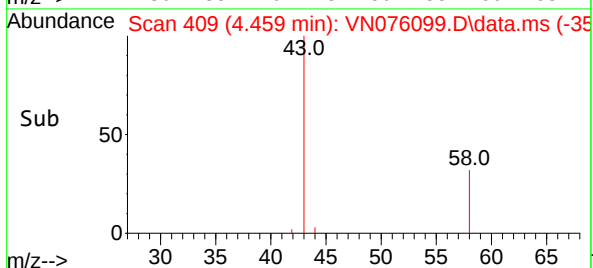
Reviewed By :John Carlone 01/05/2023
Supervised By :Mahesh Dadoda 01/05/2023

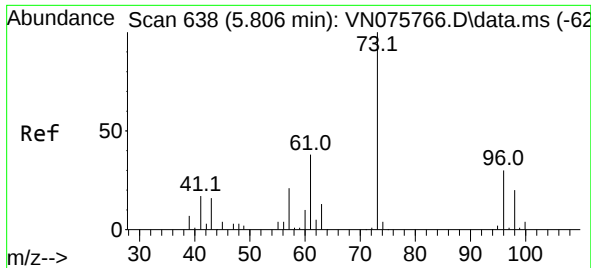


#16
Acetone
Concen: 7.661 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.018 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20



Tgt Ion: 43 Resp: 10266
Ion Ratio Lower Upper
43 100
58 32.0 28.6 43.0





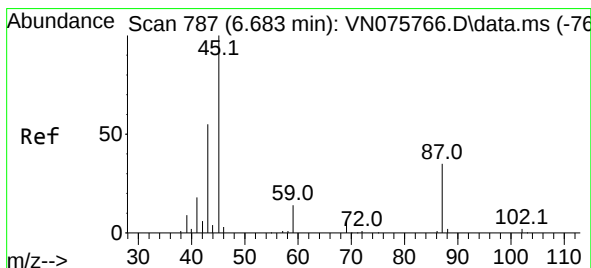
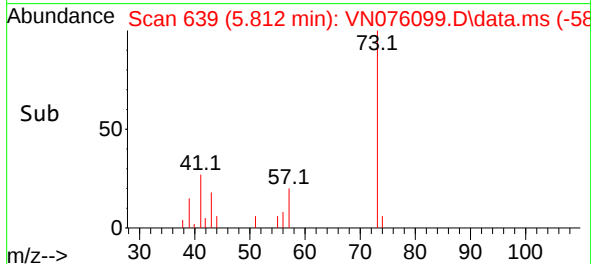
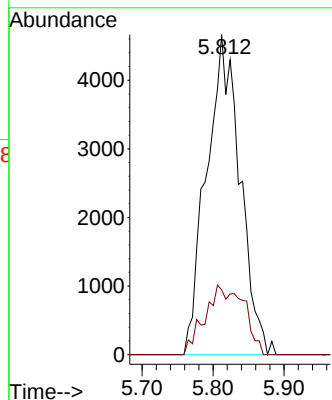
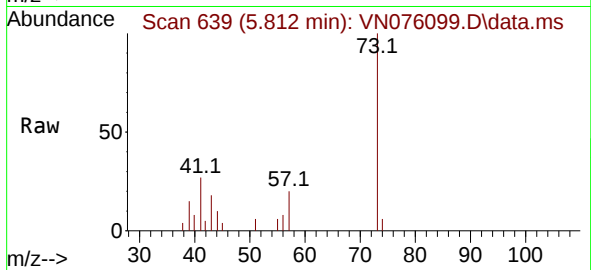
#19
Methyl tert-butyl Ether
Concen: 1.466 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

Instrument :
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ClientSampleId :
33886

Tgt Ion: 73 Resp: 1528
Ion Ratio Lower Upper
73 100
57 20.3 17.1 25.7

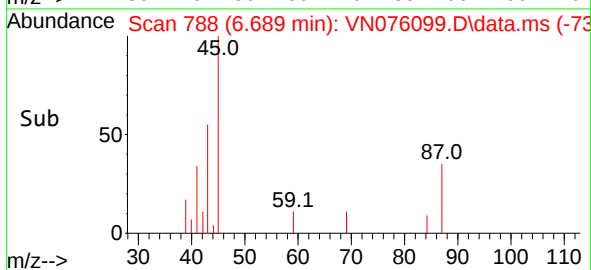
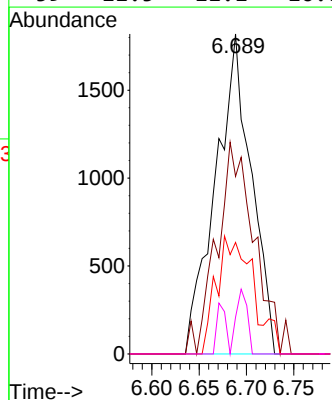
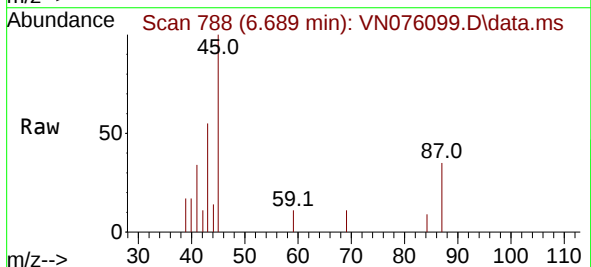
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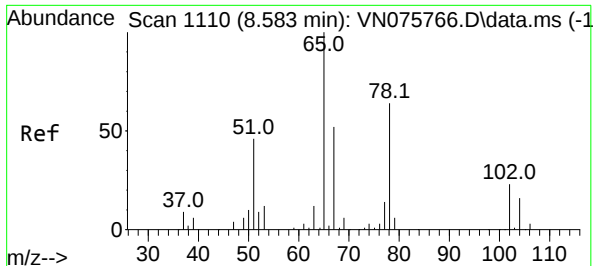
Reviewed By :John Carlone 01/05/2023
Supervised By :Mahesh Dadoda 01/05/2023



#22
Diisopropyl ether
Concen: 0.532 ug/l
RT: 6.689 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

Tgt Ion: 45 Resp: 4782
Ion Ratio Lower Upper
45 100
43 55.5 44.2 66.4
87 34.8 28.3 42.5
59 11.5 11.1 16.7





#33

1,2-Dichloroethane-d4

Concen: 46.518 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076099.D

Acq: 04 Jan 2023 22:20

Instrument :

MSVOA_N

ClientSampleId :

33886

Tgt Ion: 65 Resp: 180828

Ion Ratio Lower Upper

65 100

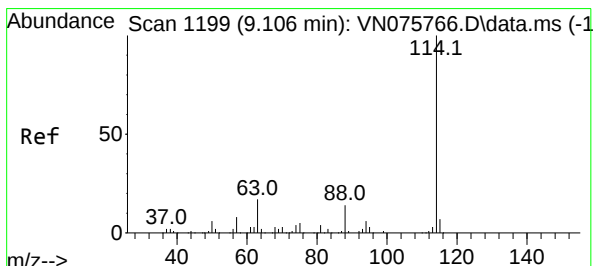
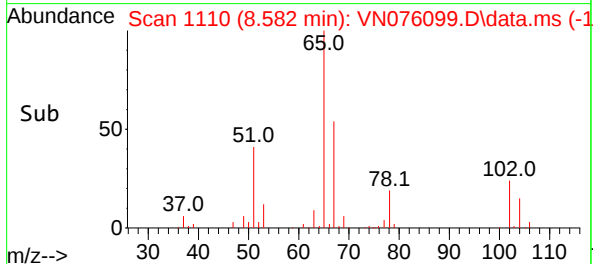
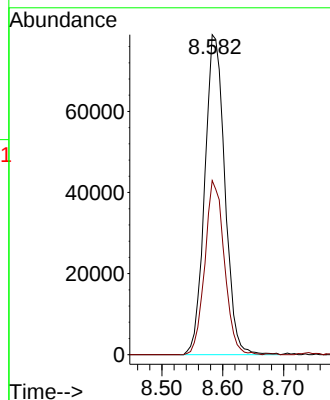
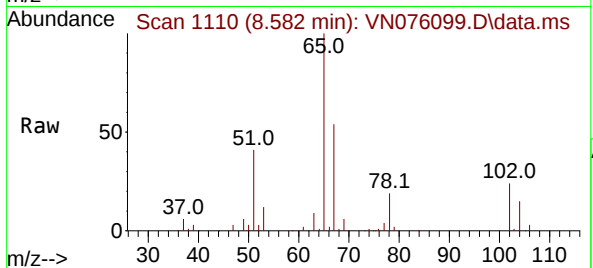
67 52.8 0.0 103.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076099.D

Acq: 04 Jan 2023 22:20

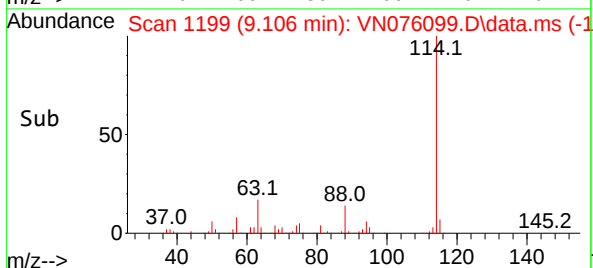
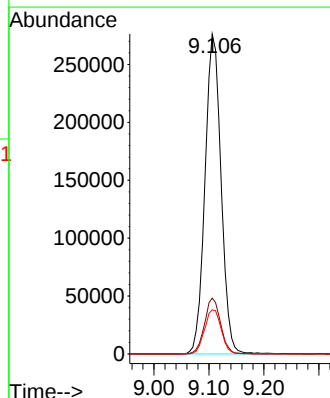
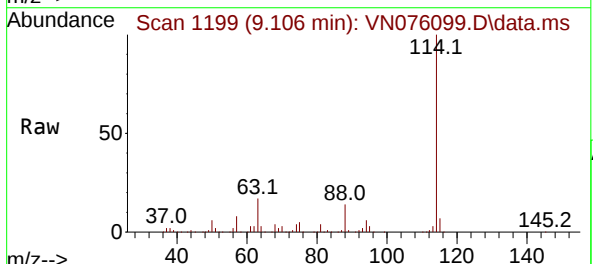
Tgt Ion:114 Resp: 561828

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

88 13.8 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.479 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076099.D

Acq: 04 Jan 2023 22:20

Instrument :

MSVOA_N

ClientSampleId :

33886

Tgt Ion:113 Resp: 16519

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.2

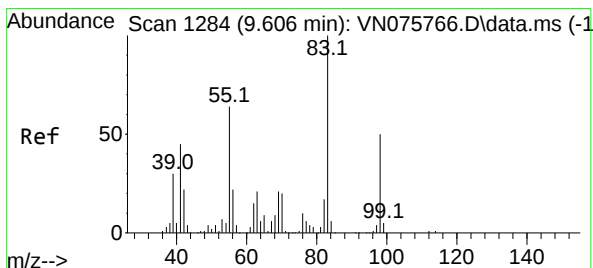
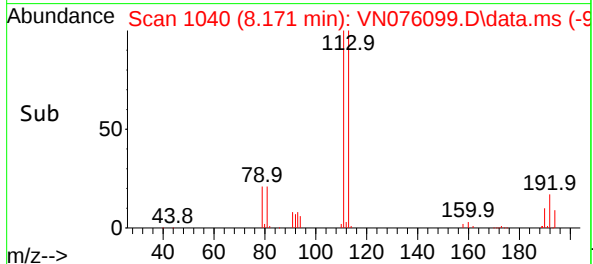
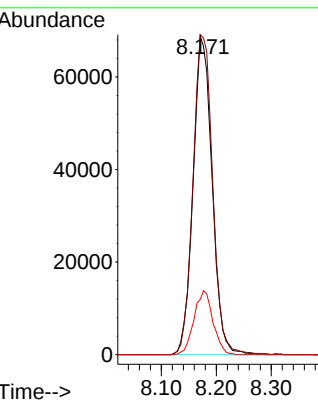
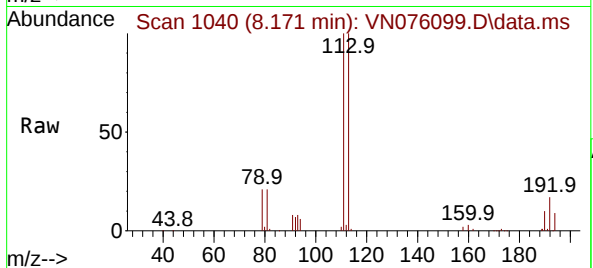
192 20.0 16.1 24.1

Manual Integrations

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Supervised By :Mahesh Dadoda 01/05/2023



#39

Methylcyclohexane

Concen: 0.581 ug/l

RT: 9.606 min Scan# 1284

Delta R.T. -0.000 min

Lab File: VN076099.D

Acq: 04 Jan 2023 22:20

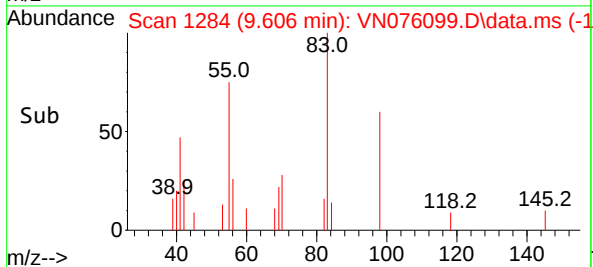
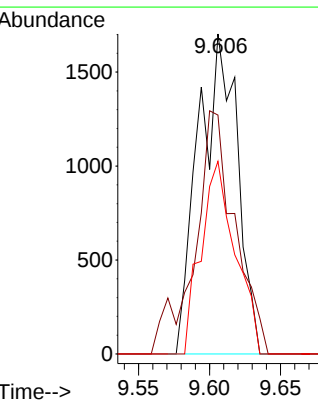
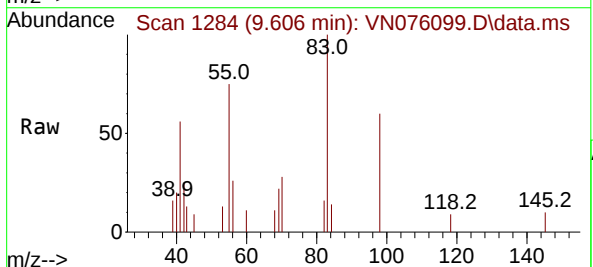
Tgt Ion: 83 Resp: 3238

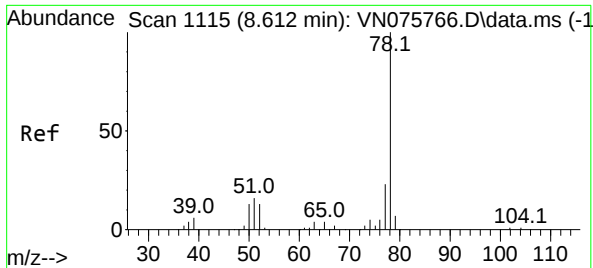
Ion Ratio Lower Upper

83 100

55 74.6 51.4 77.0

98 60.2 39.8 59.8#





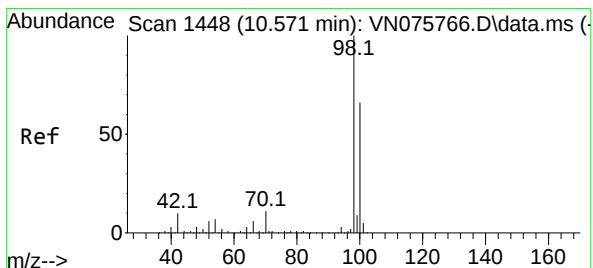
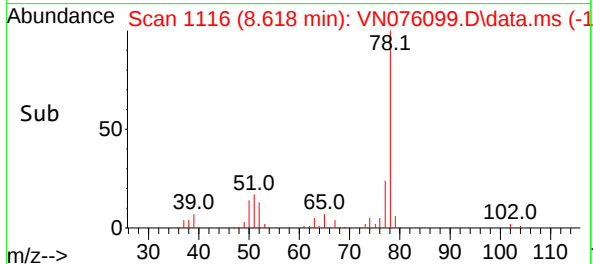
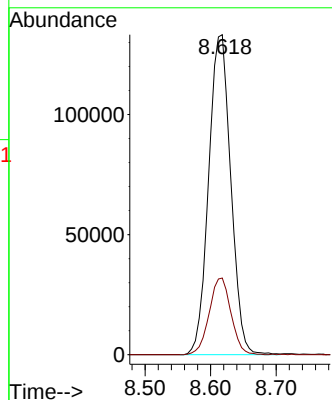
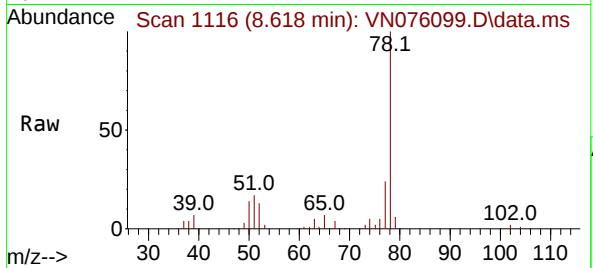
#40
Benzene
Concen: 21.909 ug/l
RT: 8.618 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

Instrument :
MSVOA_N
ClientSampleId :
33886

Tgt Ion: 78 Resp: 312430
Ion Ratio Lower Upper
78 100
77 24.0 18.5 27.7

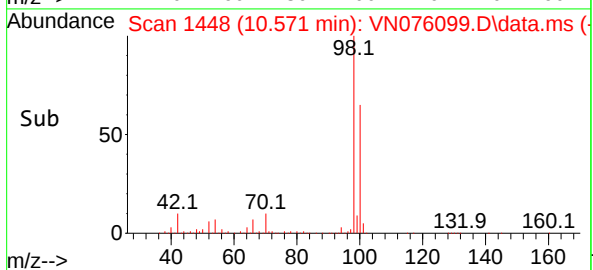
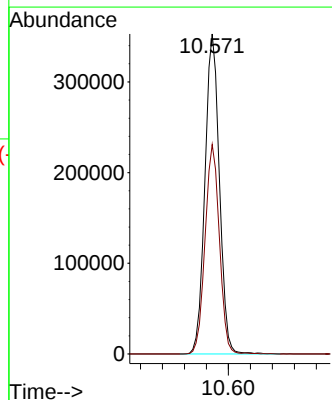
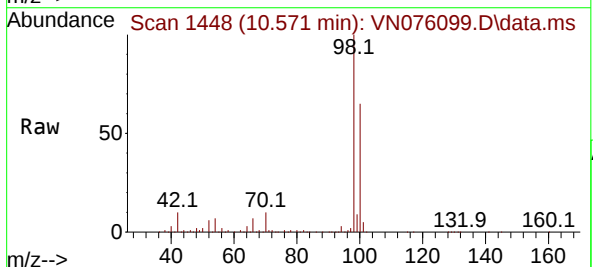
Manual Integrations
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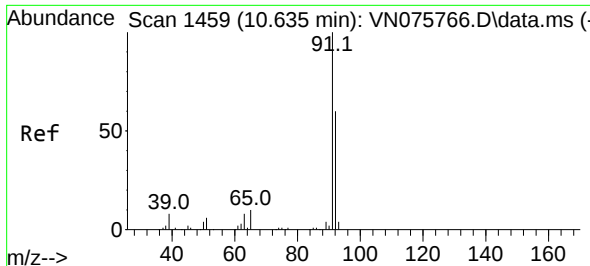
Reviewed By :John Carlone 01/05/2023
Supervised By :Mahesh Dadoda 01/05/2023



#50
Toluene-d8
Concen: 49.467 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

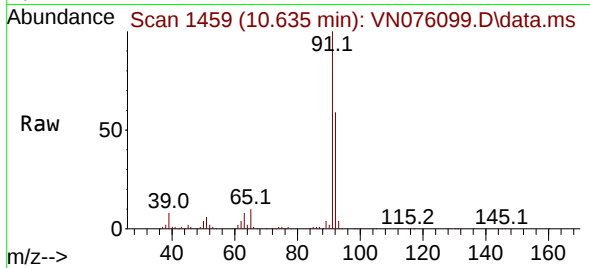
Tgt Ion: 98 Resp: 643508
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1





#52
Toluene
Concen: 105.789 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

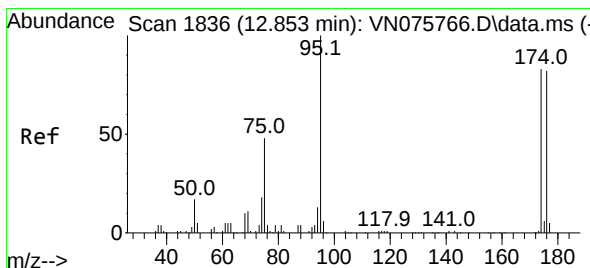
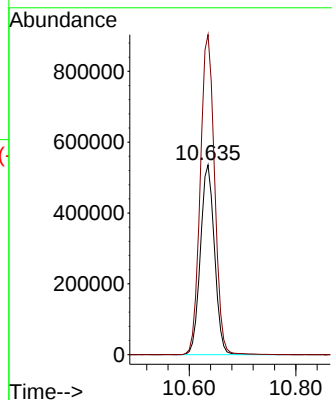
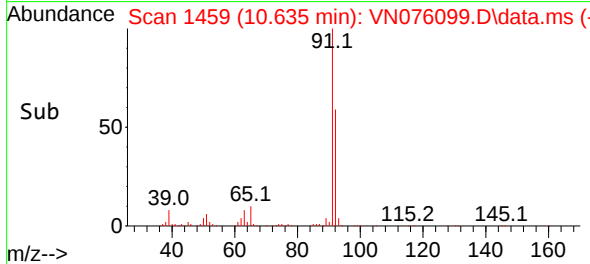
Instrument :
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ClientSampleId :
33886



Tgt Ion: 92 Resp: 98250
Ion Ratio Lower Upper
92 100
91 171.4 137.3 205.9

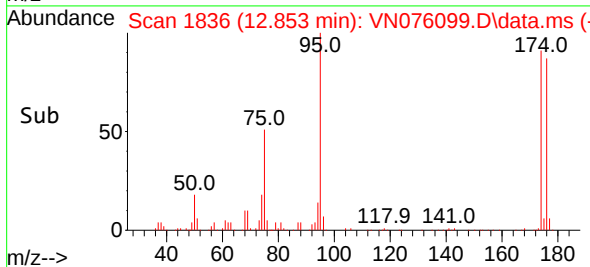
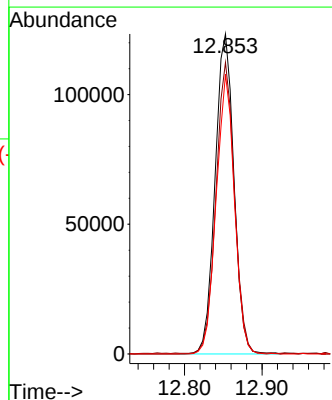
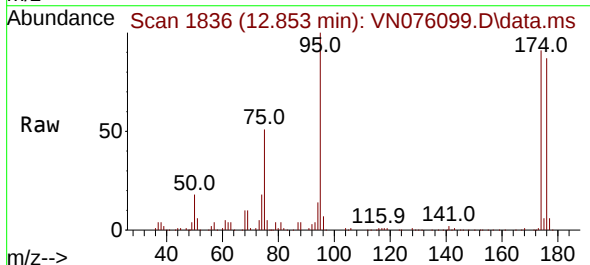
Manual Integrations
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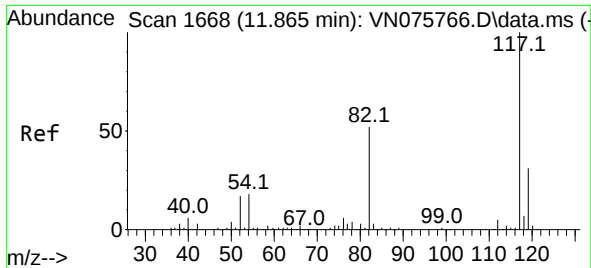
Reviewed By :John Carlone 01/05/2023
Supervised By :Mahesh Dadoda 01/05/2023



#62
4-Bromofluorobenzene
Concen: 48.313 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

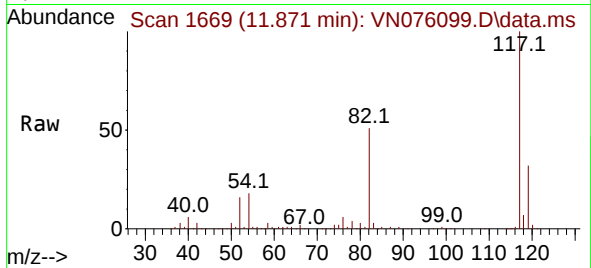
Tgt Ion: 95 Resp: 208164
Ion Ratio Lower Upper
95 100
174 89.3 0.0 171.6
176 84.6 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

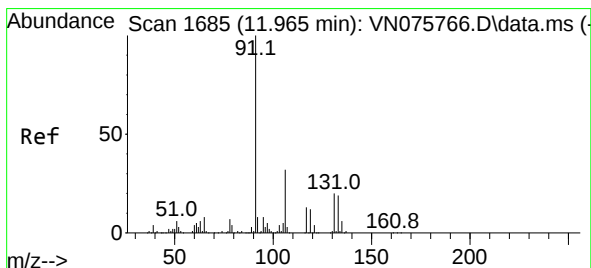
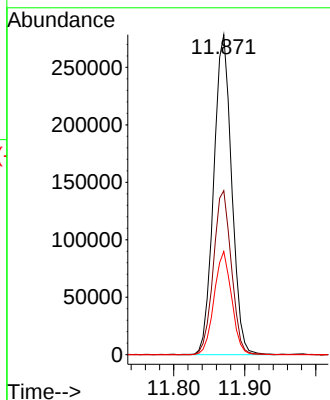
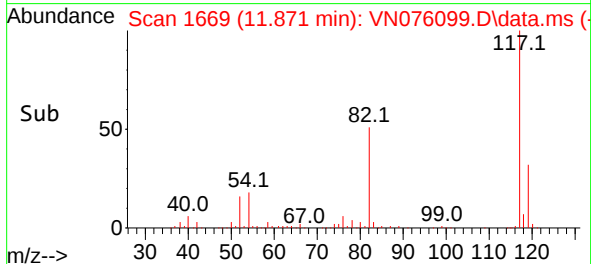
Instrument :
MSVOA_N
ClientSampleId :
33886



Tgt Ion:117 Resp: 488014
Ion Ratio Lower Upper
117 100
82 51.3 41.3 61.9
119 32.3 24.6 37.0

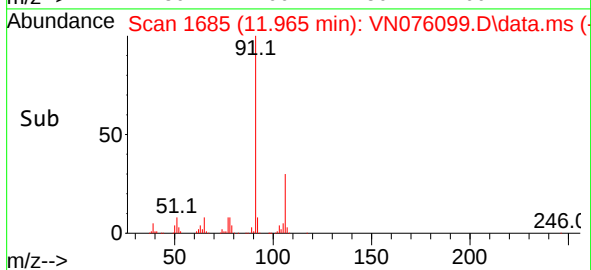
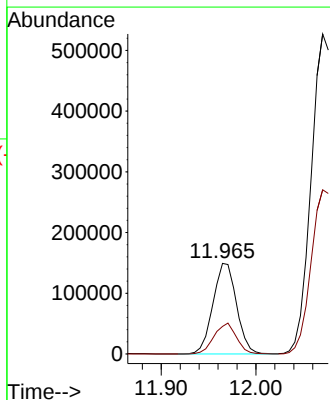
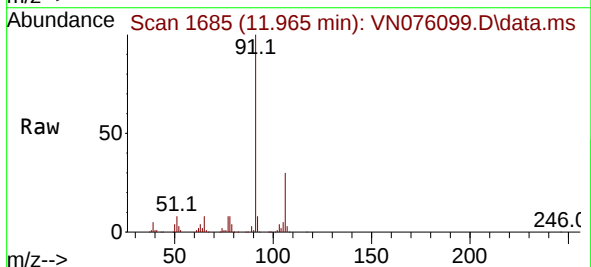
Manual Integrations
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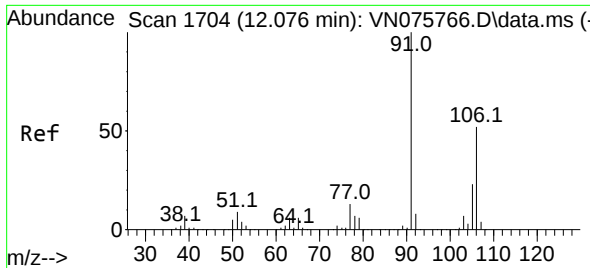
Reviewed By :John Carlone 01/05/2023
Supervised By :Mahesh Dadoda 01/05/2023



#67
Ethyl Benzene
Concen: 15.309 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

Tgt Ion: 91 Resp: 258806
Ion Ratio Lower Upper
91 100
106 30.3 25.7 38.5





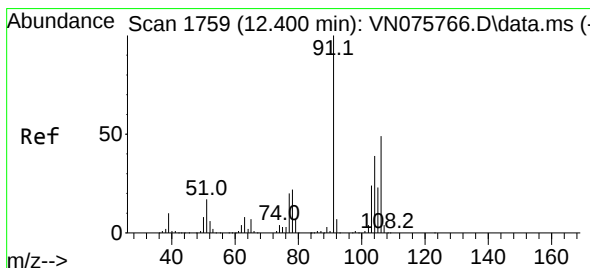
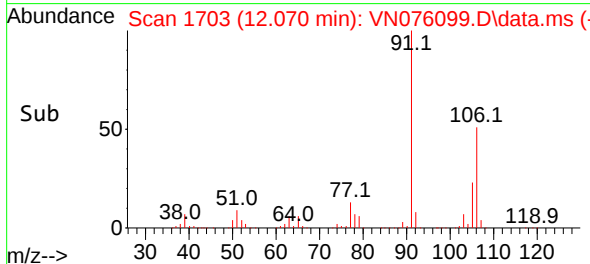
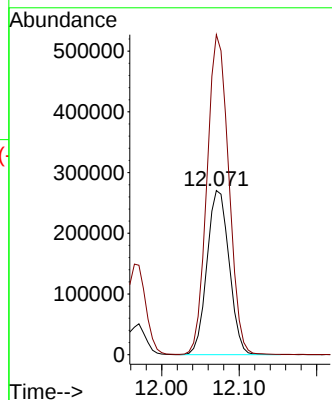
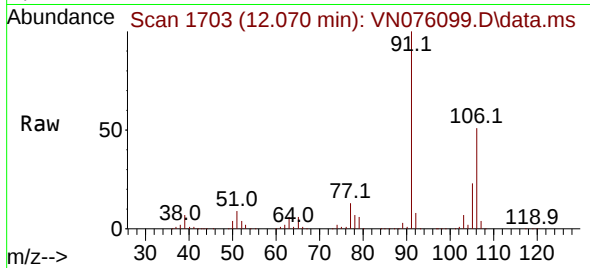
#68
m/p-Xylenes
Concen: 80.117 ug/l
RT: 12.070 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

Instrument :
MSVOA_N
ClientSampleId :
33886

Tgt Ion:106 Resp: 53606
Ion Ratio Lower Upper
106 100
91 191.7 156.6 235.0

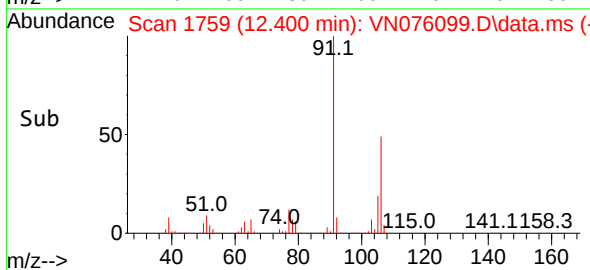
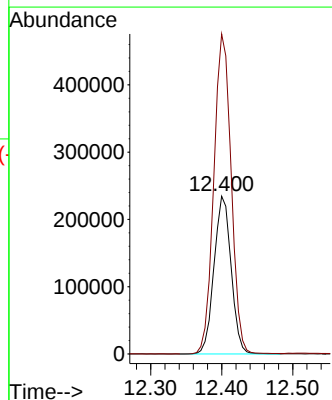
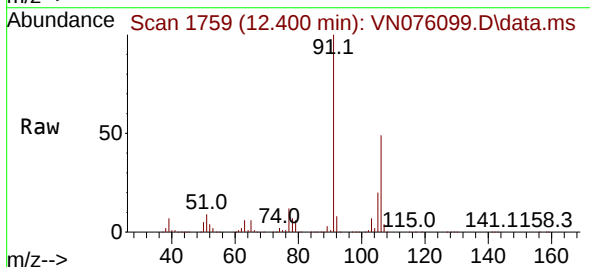
Manual Integrations
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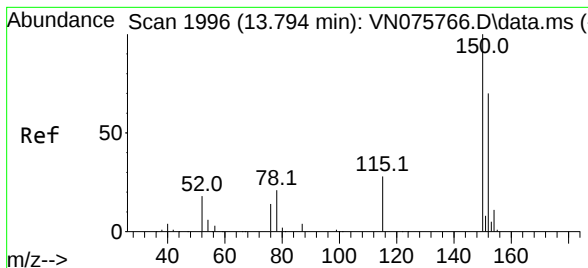
Reviewed By :John Carlone 01/05/2023
Supervised By :Mahesh Dadoda 01/05/2023



#69
o-Xylene
Concen: 59.068 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

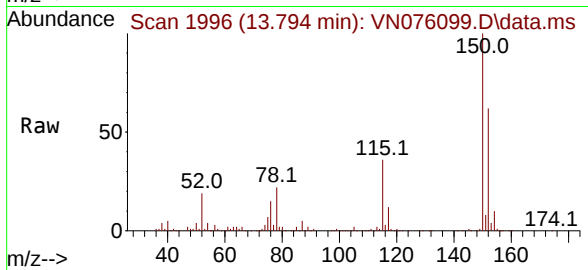
Tgt Ion:106 Resp: 391120
Ion Ratio Lower Upper
106 100
91 206.1 103.8 311.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

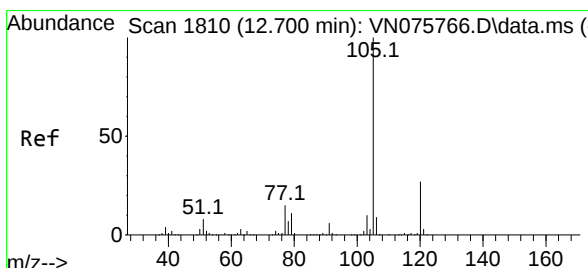
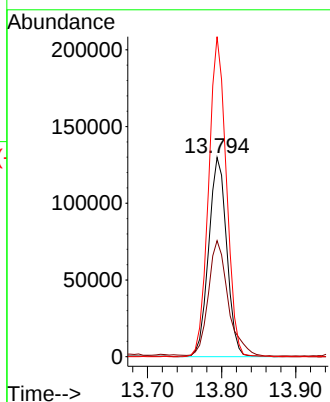
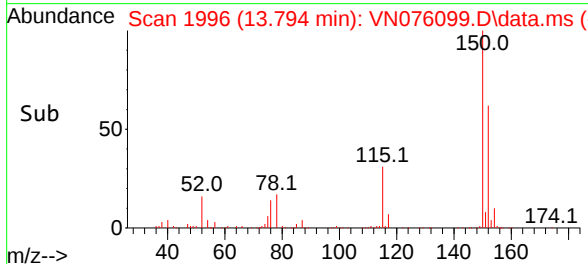
Instrument :
MSVOA_N
ClientSampleId :
33886



Tgt Ion:152 Resp: 219549
Ion Ratio Lower Upper
152 100
115 63.4 29.1 87.4
150 157.8 0.0 347.0

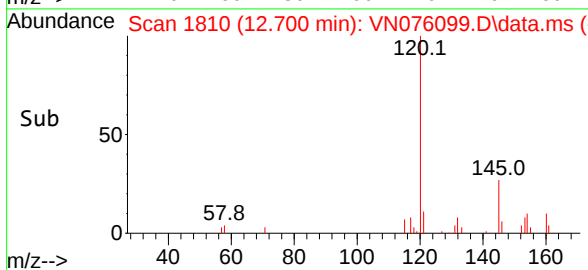
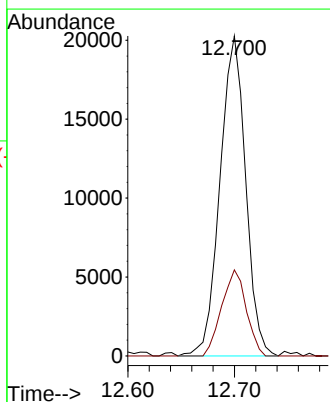
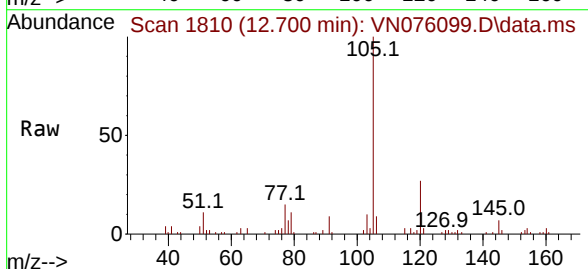
Manual Integrations
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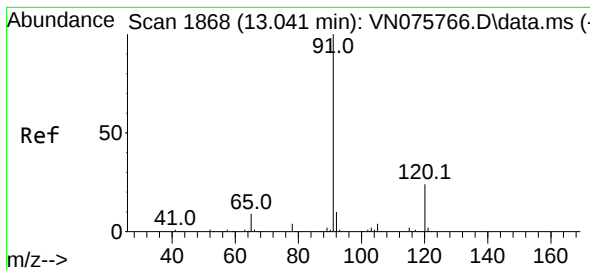
Reviewed By :John Carlone 01/05/2023
Supervised By :Mahesh Dadoda 01/05/2023



#73
Isopropylbenzene
Concen: 2.134 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

Tgt Ion:105 Resp: 33854
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.2





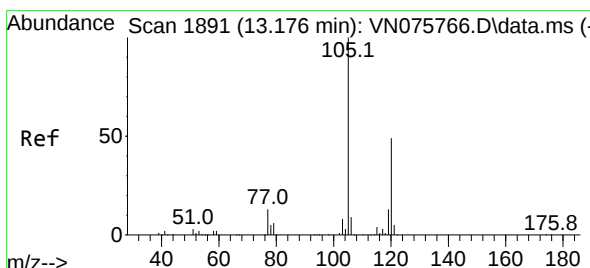
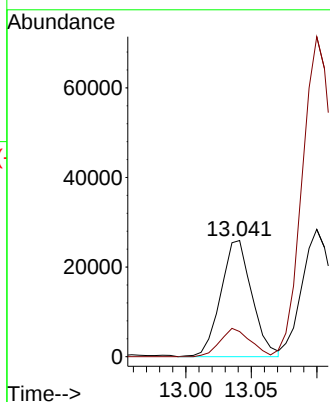
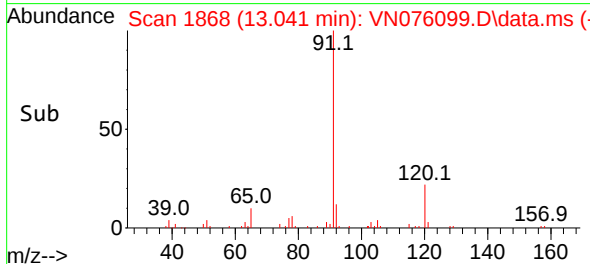
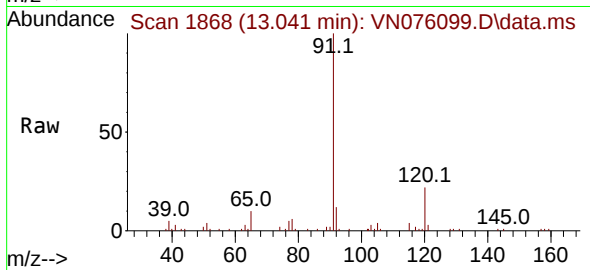
#78
n-propylbenzene
Concen: 2.447 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

Instrument :
MSVOA_N
ClientSampleId :
33886

Tgt Ion: 91 Resp: 42810
Ion Ratio Lower Upper
91 100
120 23.7 12.0 36.1

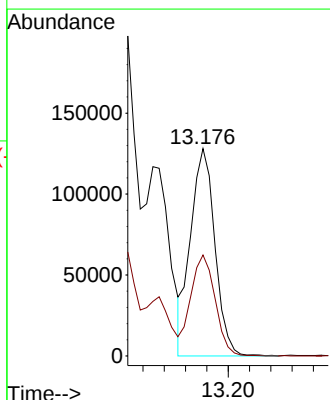
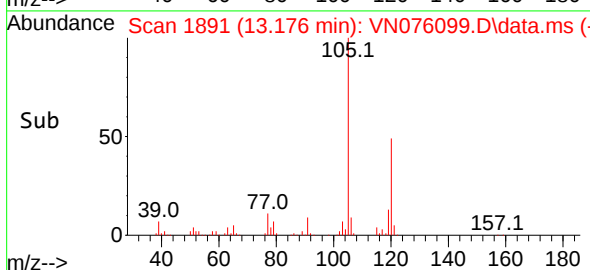
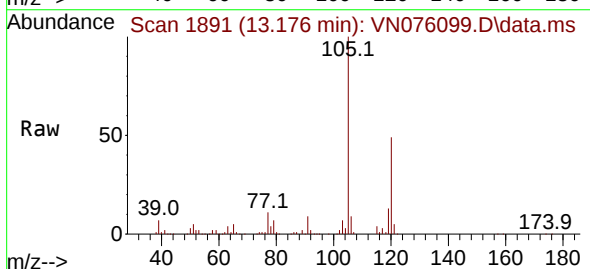
Manual Integrations
APPROVED

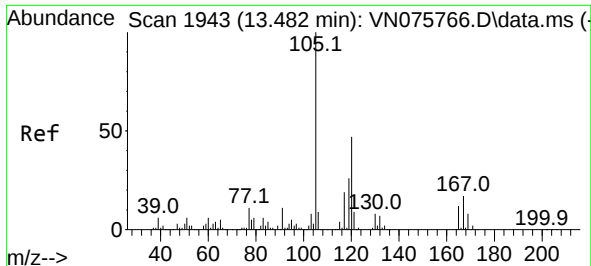
Reviewed By :John Carlone 01/05/2023
Supervised By :Mahesh Dadoda 01/05/2023



#80
1,3,5-Trimethylbenzene
Concen: 15.389 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

Tgt Ion:105 Resp: 204347
Ion Ratio Lower Upper
105 100
120 48.8 24.7 74.1





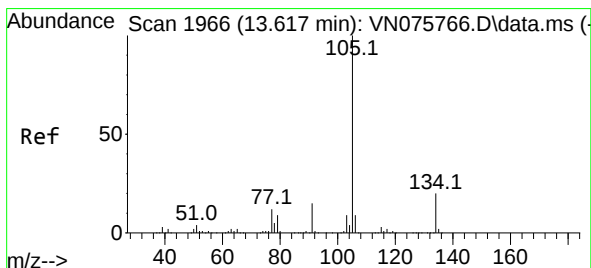
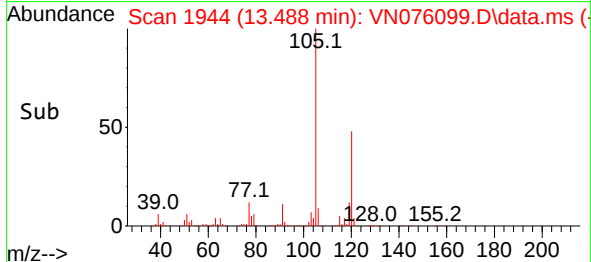
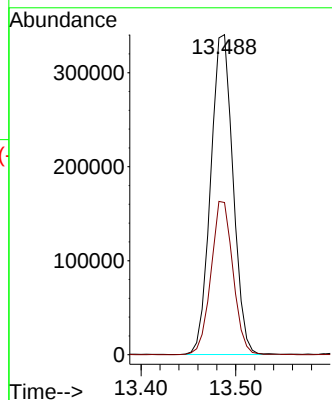
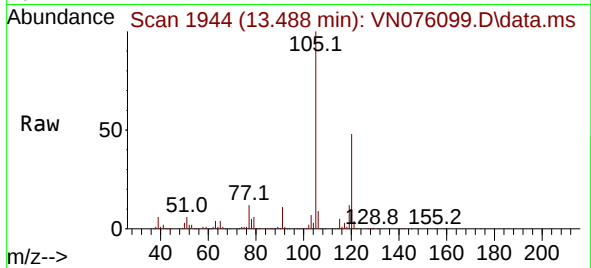
#84
1,2,4-Trimethylbenzene
Concen: 42.434 ug/l
RT: 13.488 min Scan# 1943
Delta R.T. 0.006 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

Instrument :
MSVOA_N
ClientSampleId :
33886

Tgt Ion:105 Resp: 55898
Ion Ratio Lower Upper
105 100
120 47.2 23.3 69.8

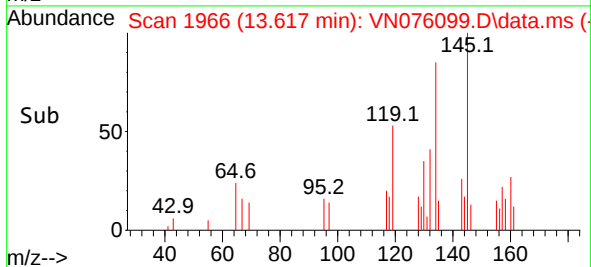
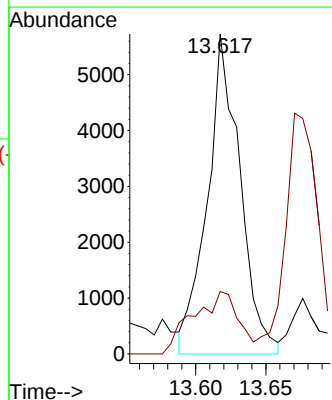
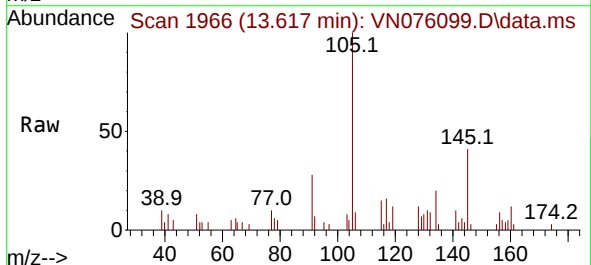
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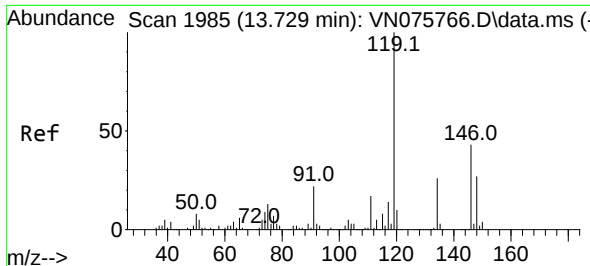
Reviewed By :John Carlone 01/05/2023
Supervised By :Mahesh Dadoda 01/05/2023



#85
sec-Butylbenzene
Concen: 0.573 ug/l m
RT: 13.617 min Scan# 1966
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

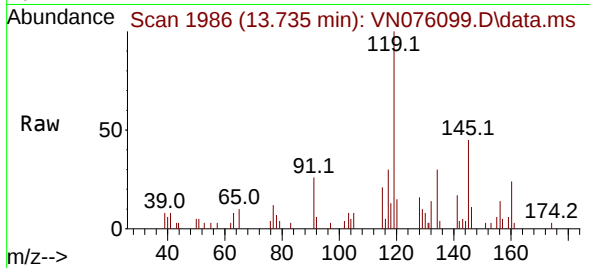
Tgt Ion:105 Resp: 9267
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#





#86
p-Isopropyltoluene
Concen: 0.665 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

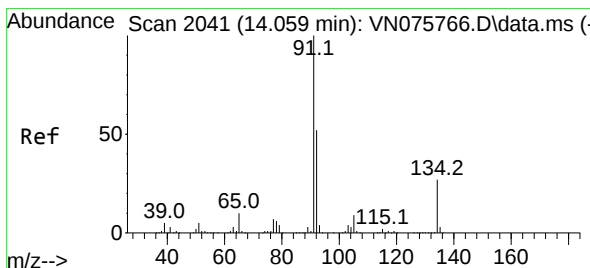
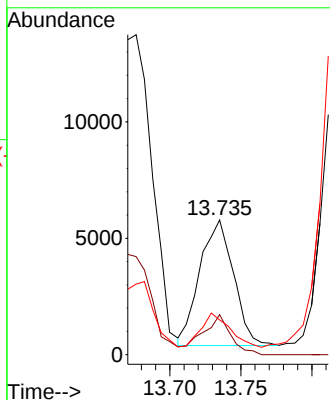
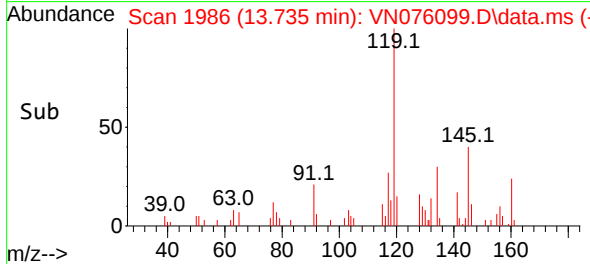
Instrument :
MSVOA_N
ClientSampleId :
33886



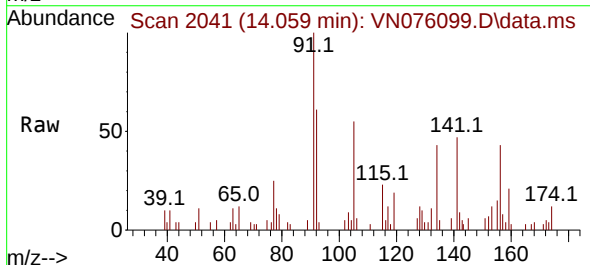
Tgt Ion: 119 Resp: 8940
Ion Ratio Lower Upper
119 100
134 26.9 13.0 39.0
91 25.1 11.2 33.6

Manual Integrations
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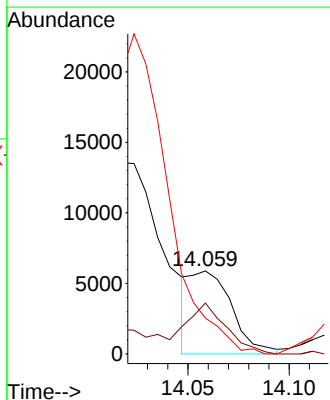
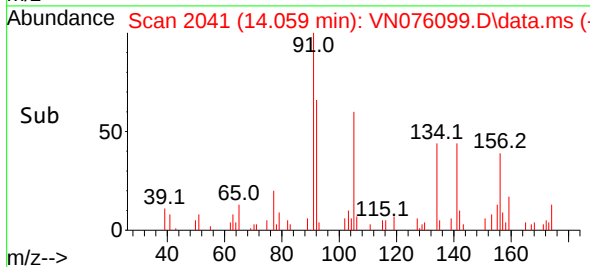
Reviewed By :John Carlone 01/05/2023
Supervised By :Mahesh Dadoda 01/05/2023

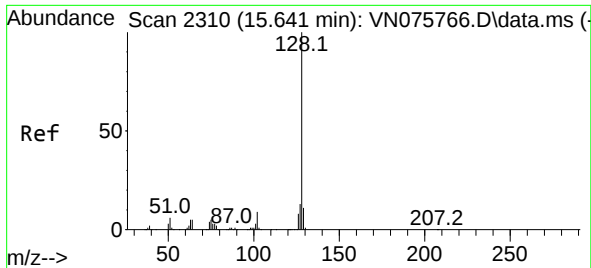


#89
n-Butylbenzene
Concen: 0.775 ug/l m
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20



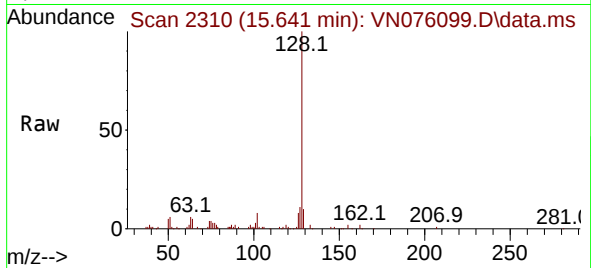
Tgt Ion: 91 Resp: 8443
Ion Ratio Lower Upper
91 100
92 119.0 26.4 79.2#
134 349.8 13.4 40.2#





#95
Naphthalene
Concen: 9.453 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076099.D
Acq: 04 Jan 2023 22:20

Instrument :
MSVOA_N
ClientSampleId :
33886



Tgt Ion:128 Resp: 90884
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.1 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 01/05/2023
Supervised By :Mahesh Dadoda 01/05/2023

