

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
 Data File : VN070438.D
 Acq On : 3 Jan 2022 15:36
 Operator : JC/MD
 Sample : M5251-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Jan 04 01:33:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/04/2022
 Supervised By : Mahesh Dadoda 01/04/2022

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	1013370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1707886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1530372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	628311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	736146	50.524	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.040%			
35) Dibromofluoromethane	8.021	113	510154	49.369	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.740%			
50) Toluene-d8	10.440	98	2098730	49.717	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.440%			
62) 4-Bromofluorobenzene	12.728	95	820389	53.808	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.620%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.363	59	12127m	4.999	ug/l	
16) Acetone	4.288	43	56506m	5.974	ug/l	
17) Carbon Disulfide	4.524	76	14102m	0.501	ug/l	
25) 2-Butanone	7.345	43	26776	2.248	ug/l #	88
31) Cyclohexane	8.091	56	331614	14.423	ug/l #	87
39) Methylcyclohexane	9.459	83	191363	9.247	ug/l #	83
52) Toluene	10.505	92	42213	1.331	ug/l	97
67) Ethyl Benzene	11.843	91	4926493	82.806	ug/l	97
68) m/p-Xylenes	11.956	106	1446334	66.786	ug/l	93
69) o-Xylene	12.280	106	251732	11.686	ug/l	93
73) Isopropylbenzene	12.578	105	282520	4.842	ug/l	99
78) n-propylbenzene	12.919	91	760097	11.757	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	226385	4.842	ug/l	100
84) 1,2,4-Trimethylbenzene	13.366	105	5701429	126.631	ug/l	98
85) sec-Butylbenzene	13.501	105	53072m	0.949	ug/l	
86) p-Isopropyltoluene	13.613	119	26703	0.608	ug/l #	77
89) n-Butylbenzene	13.940	91	43153	1.178	ug/l #	66

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

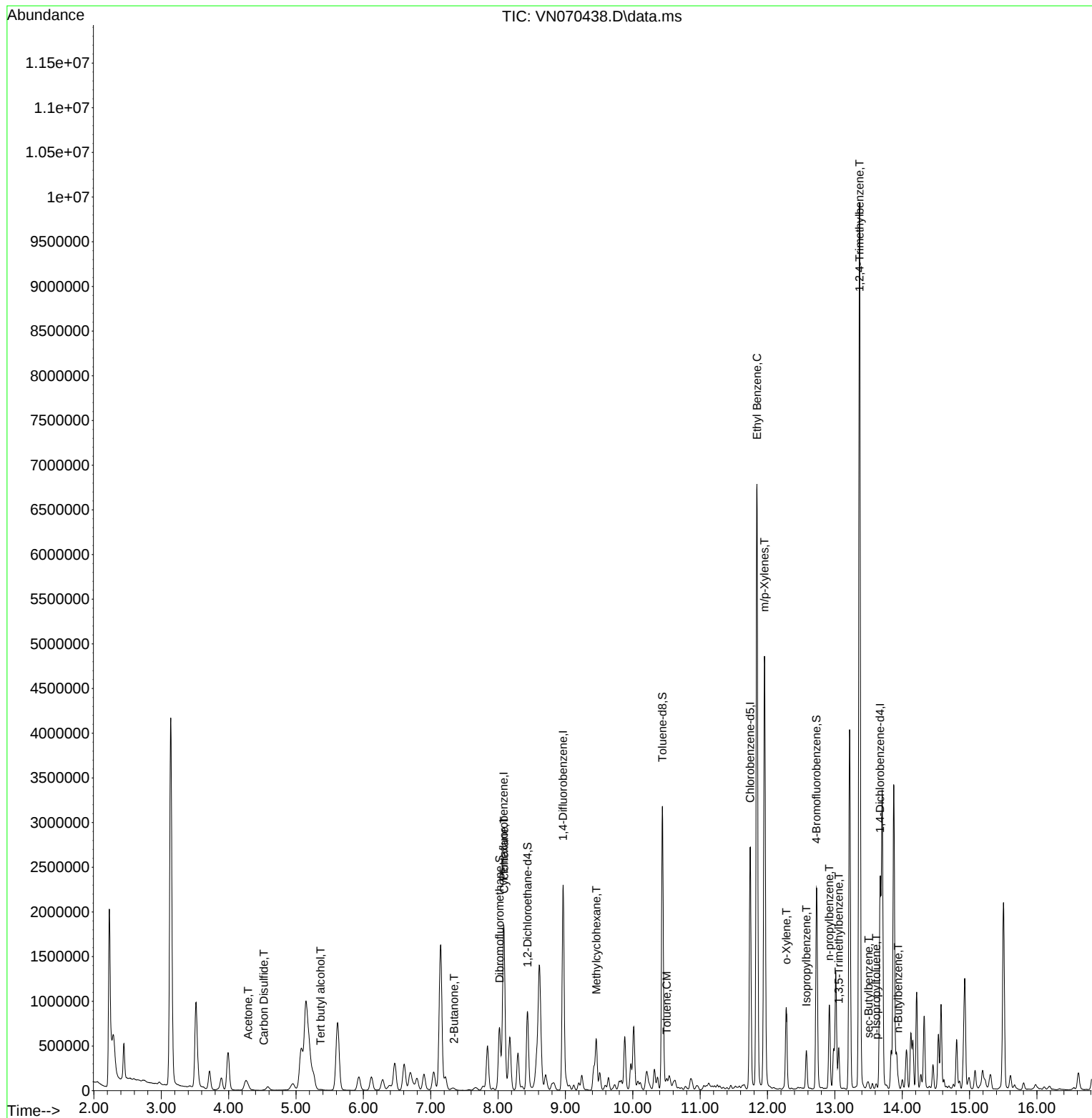
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
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APPROVED

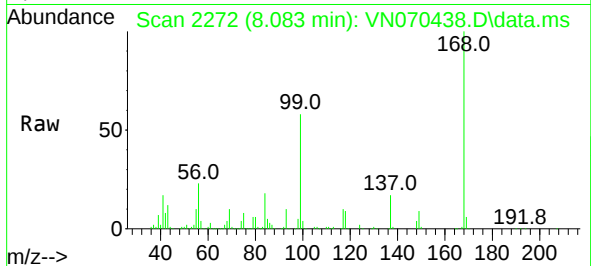
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

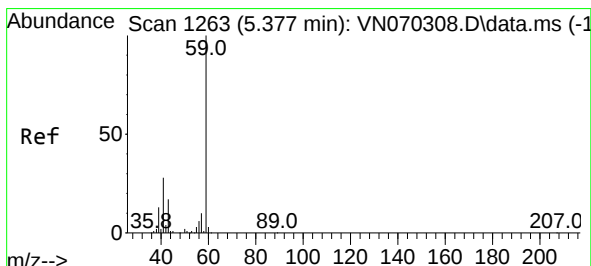
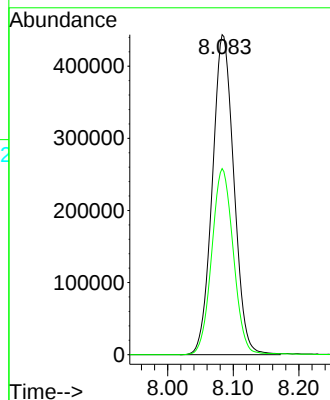
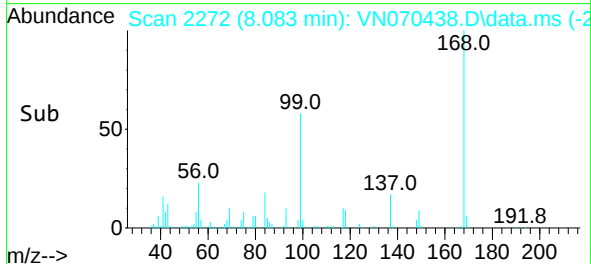
Instrument :
MSVOA_N
ClientSampleId :
MW-2



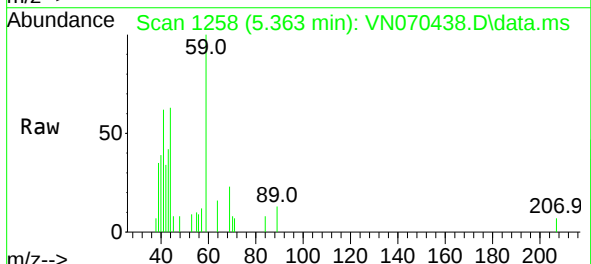
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Ion Ratio Lower Upper
168 100
99 58.1 41.3 61.9

Manual Integrations
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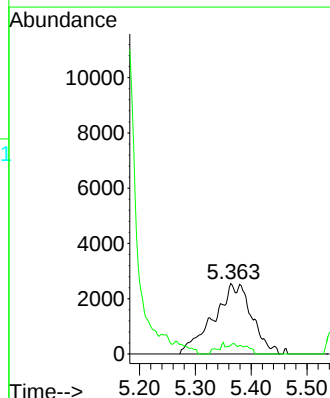
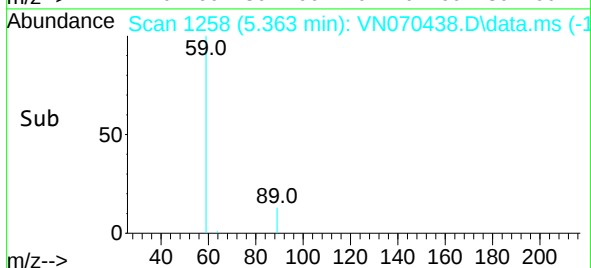
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

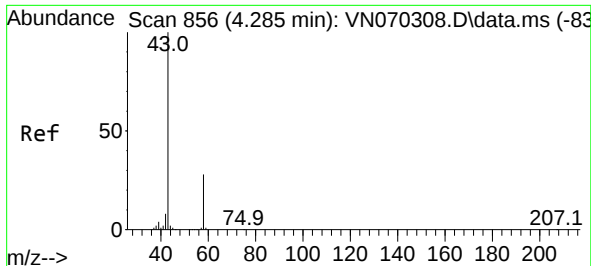


#11
Tert butyl alcohol
Concen: 4.999 ug/l m
RT: 5.363 min Scan# 1258
Delta R.T. -0.014 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36



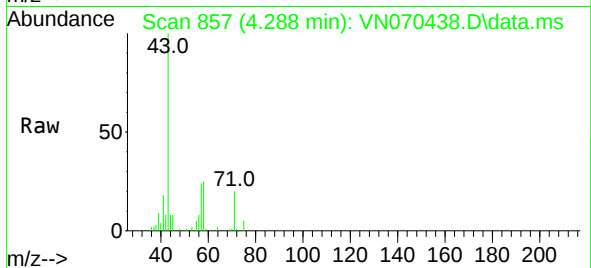
Tgt Ion: 59 Resp: 12127
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#16
Acetone
Concen: 5.974 ug/l m
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

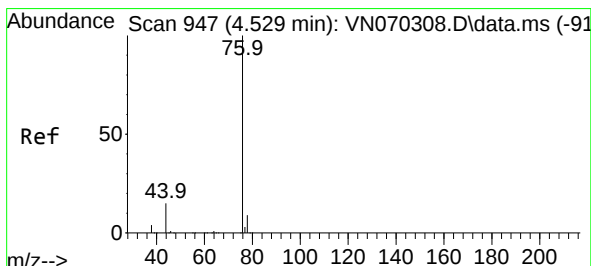
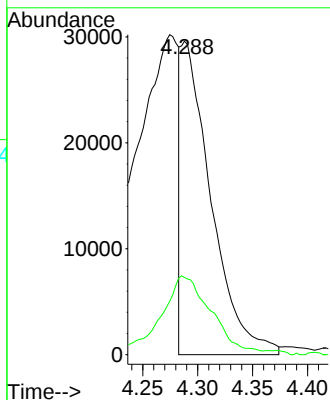
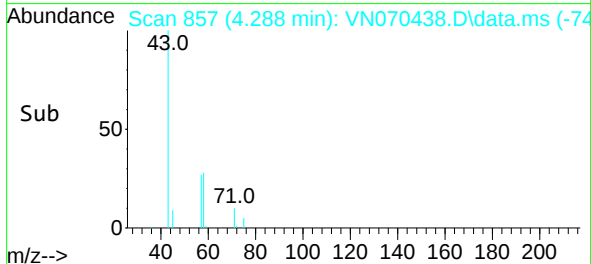
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion: 43 Resp: 56500
Ion Ratio Lower Upper
43 100
58 24.6 23.1 34.7

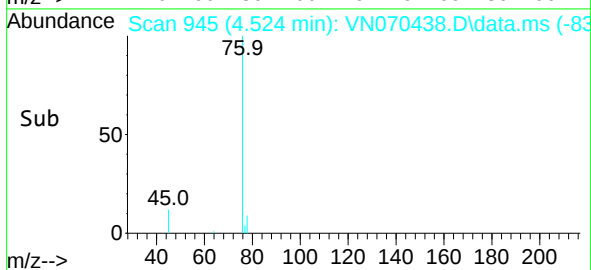
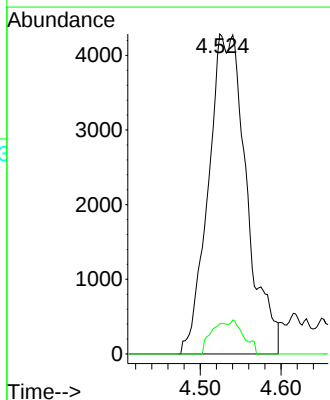
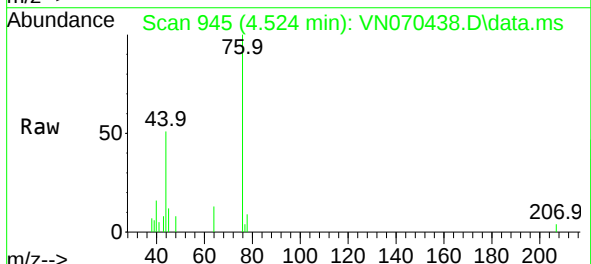
Manual Integrations
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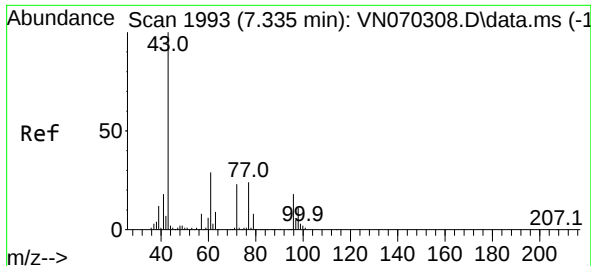
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#17
Carbon Disulfide
Concen: 0.501 ug/l m
RT: 4.524 min Scan# 945
Delta R.T. -0.005 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

Tgt Ion: 76 Resp: 14102
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3





#25

2-Butanone

Concen: 2.248 ug/l

RT: 7.345 min Scan# 1993

Delta R.T. 0.010 min

Lab File: VN070438.D

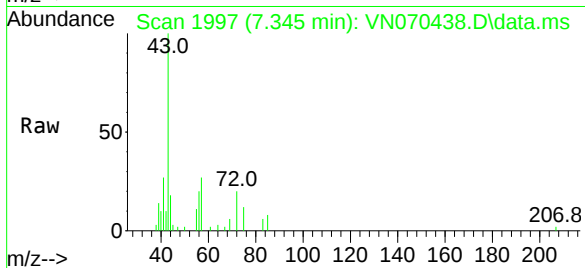
Acq: 3 Jan 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

MW-2



Tgt Ion: 43 Resp: 26770

Ion Ratio Lower Upper

43 100

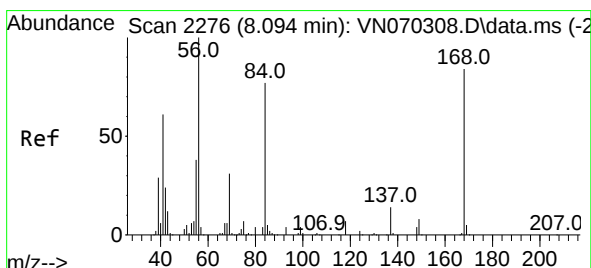
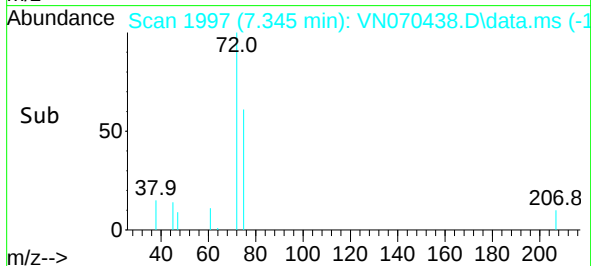
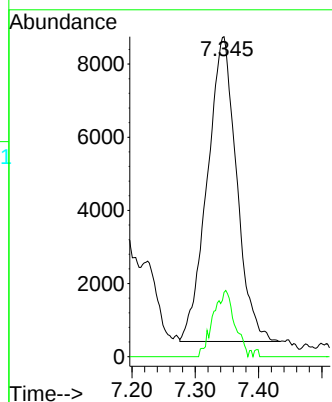
72 21.1 21.7 32.5

Manual Integrations

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Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022



#31

Cyclohexane

Concen: 14.423 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.003 min

Lab File: VN070438.D

Acq: 3 Jan 2022 15:36

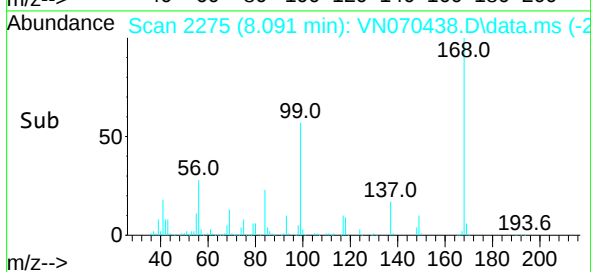
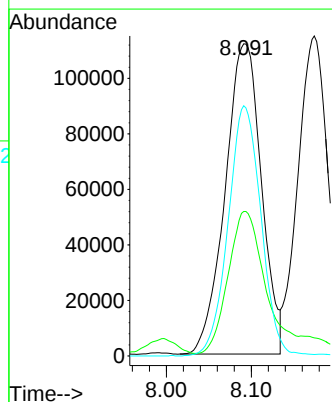
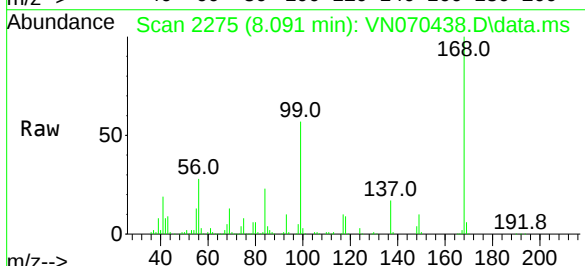
Tgt Ion: 56 Resp: 331614

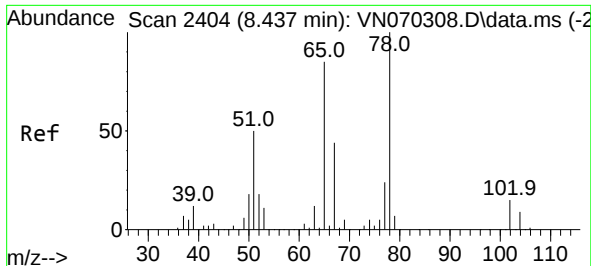
Ion Ratio Lower Upper

56 100

69 43.8 27.1 40.7

84 80.6 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 50.524 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070438.D

Acq: 3 Jan 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tgt Ion: 65 Resp: 736140

Ion Ratio Lower Upper

65 100

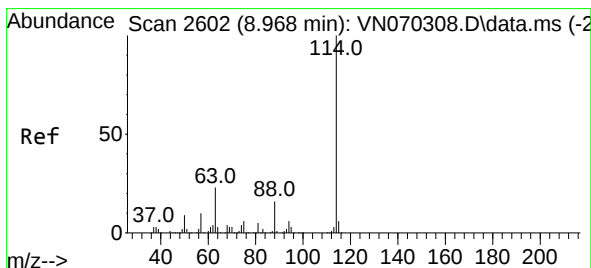
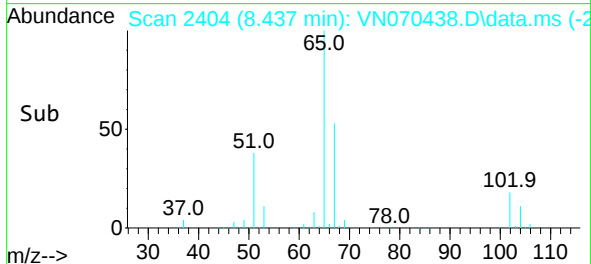
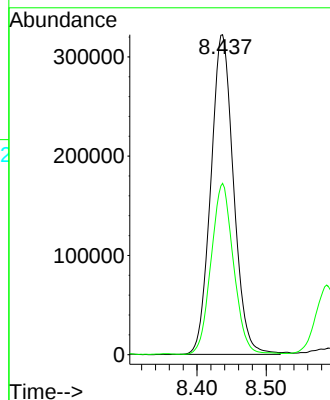
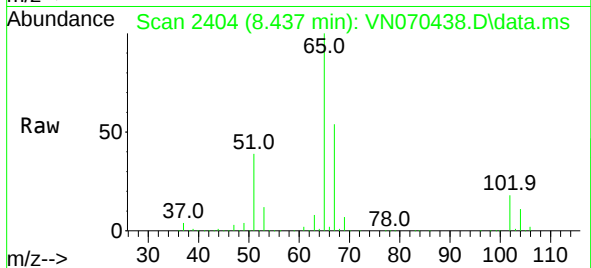
67 52.7 0.0 103.0

Manual Integrations

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Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070438.D

Acq: 3 Jan 2022 15:36

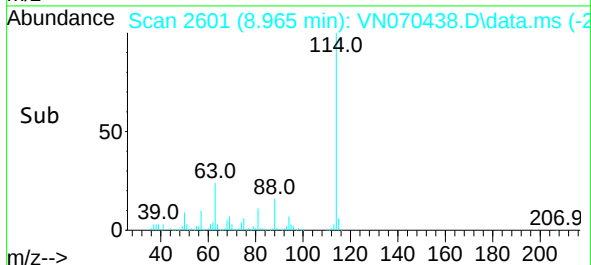
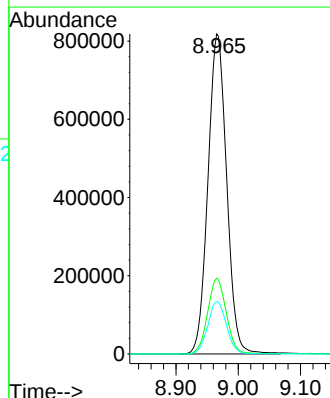
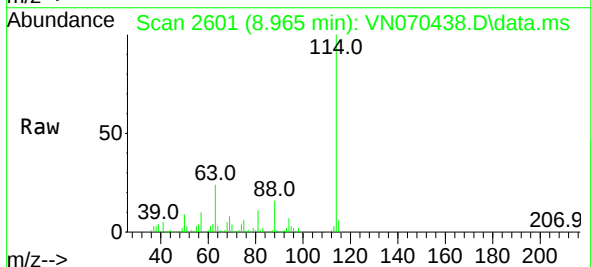
Tgt Ion:114 Resp: 1707886

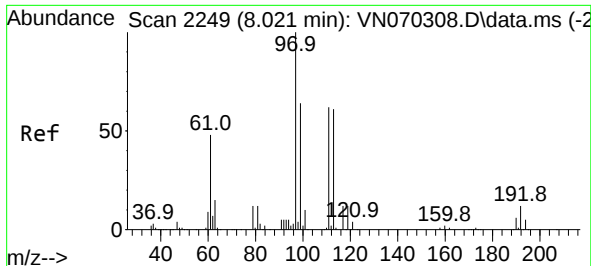
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

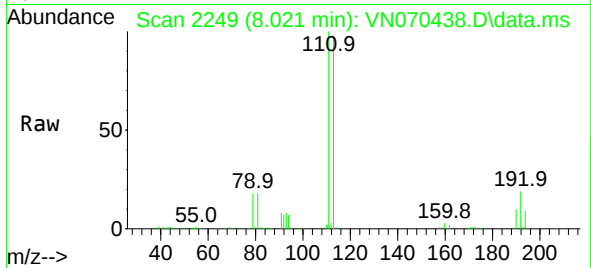
88 16.4 0.0 27.4





#35
Dibromofluoromethane
Concen: 49.369 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

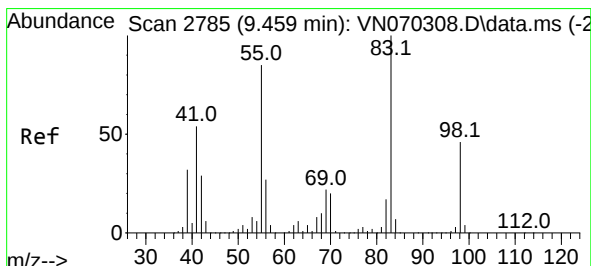
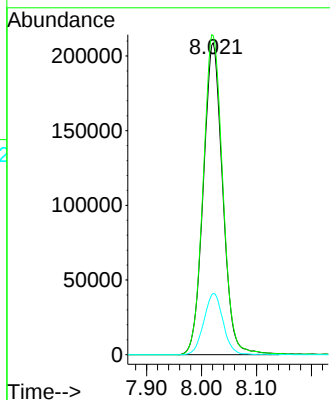
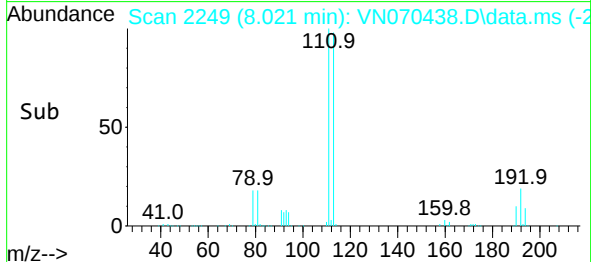
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion: 113 Resp: 510154
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 19.5 16.9 25.3

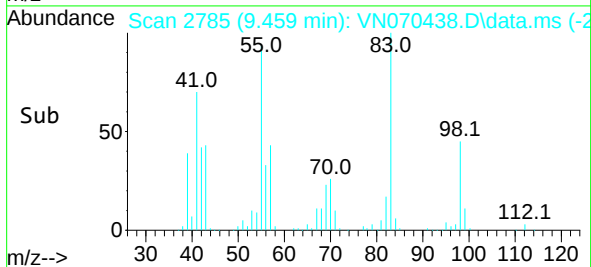
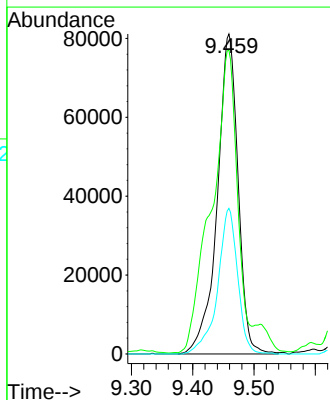
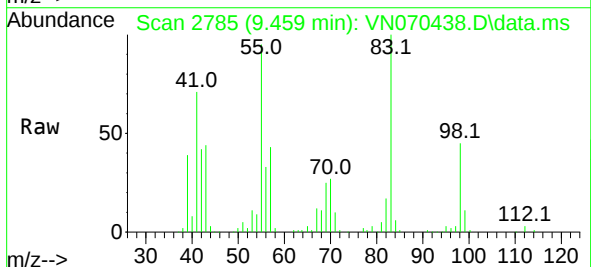
Manual Integrations
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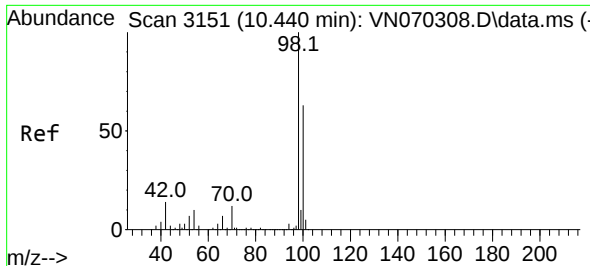
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#39
Methylcyclohexane
Concen: 9.247 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

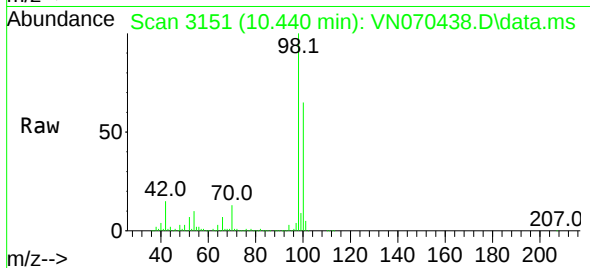
Tgt Ion: 83 Resp: 191363
Ion Ratio Lower Upper
83 100
55 94.5 58.1 87.1#
98 45.5 38.4 57.6





#50
Toluene-d8
Concen: 49.717 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

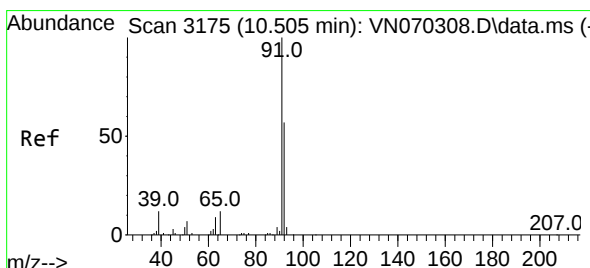
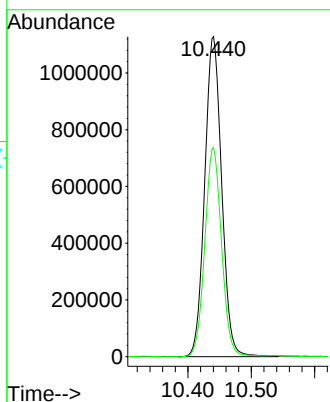
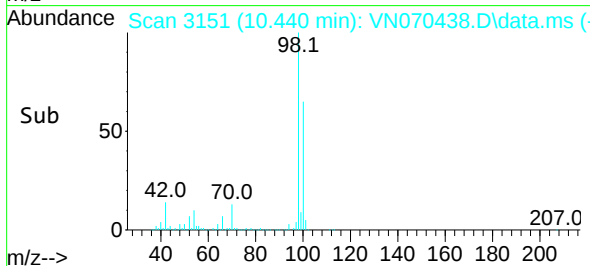
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion: 98 Resp: 2098730
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6

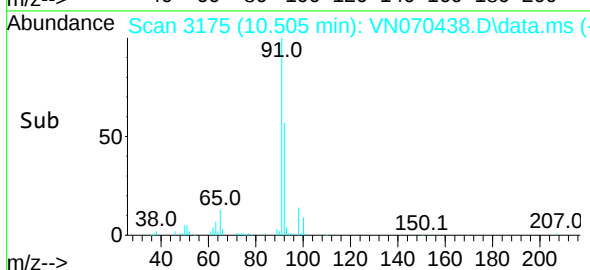
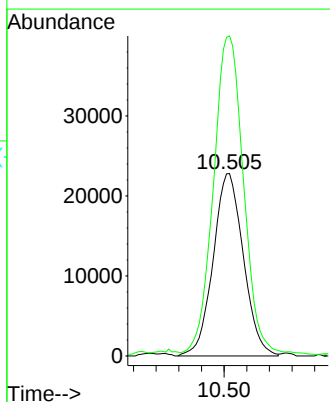
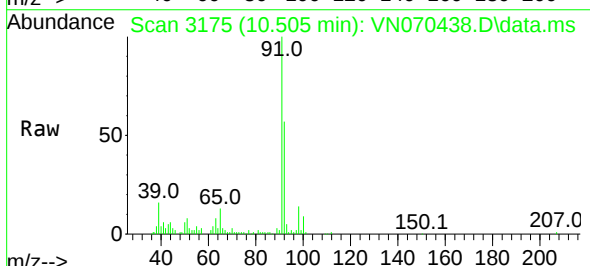
Manual Integrations
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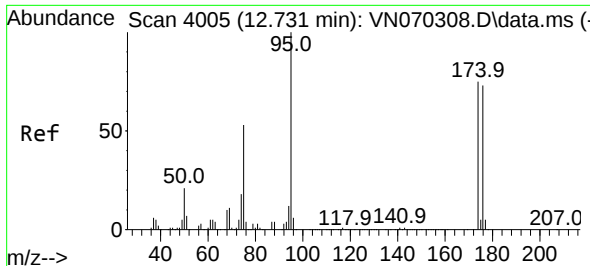
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#52
Toluene
Concen: 1.331 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

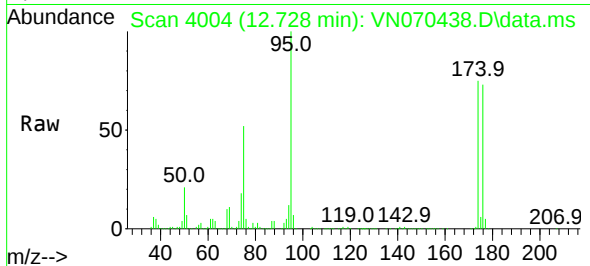
Tgt Ion: 92 Resp: 42213
Ion Ratio Lower Upper
92 100
91 173.8 142.0 213.0





#62
4-Bromofluorobenzene
Concen: 53.808 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

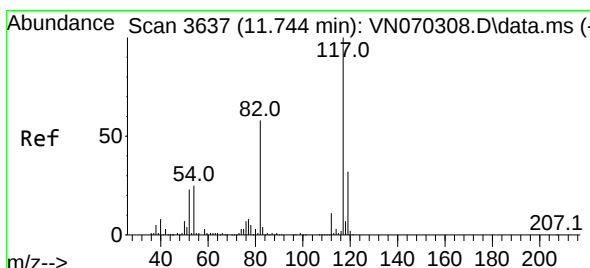
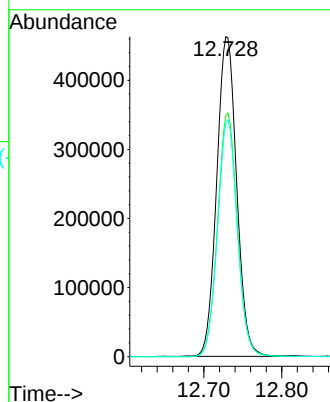
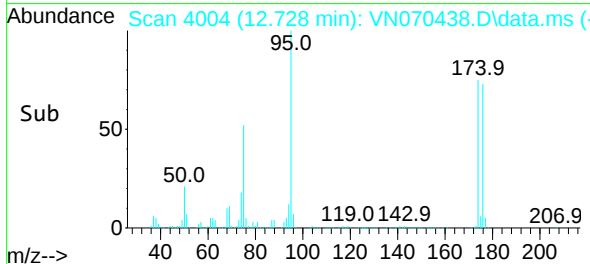
Instrument :
MSVOA_N
ClientSampleId :
MW-2



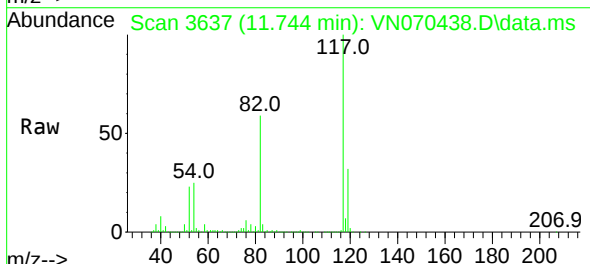
Tgt Ion: 95 Resp: 820389
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 73.2 0.0 181.4

Manual Integrations
APPROVED

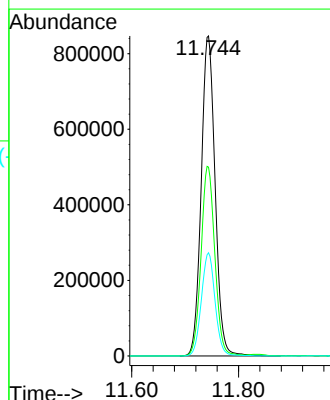
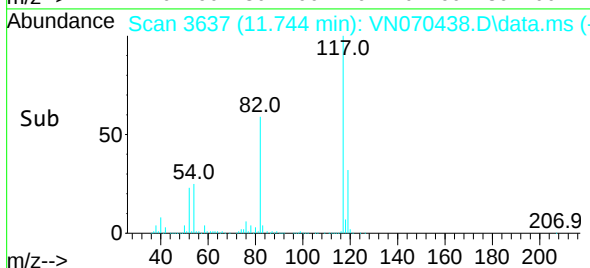
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

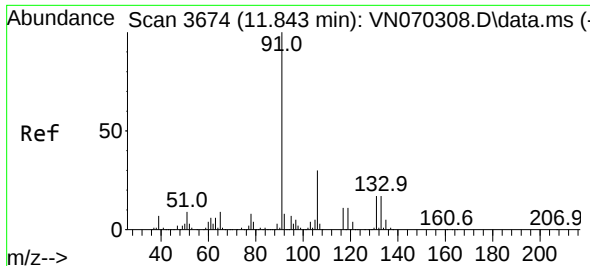


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36



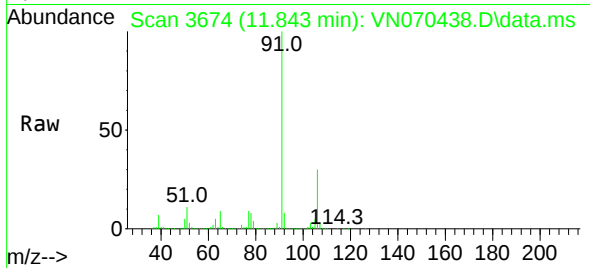
Tgt Ion:117 Resp: 1530372
Ion Ratio Lower Upper
117 100
82 58.9 42.4 63.6
119 32.2 25.4 38.2





#67
Ethyl Benzene
Concen: 82.806 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

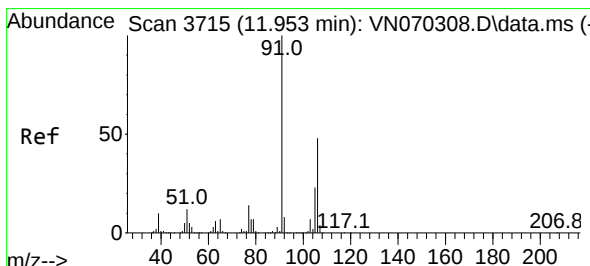
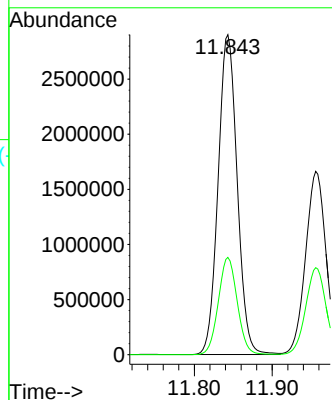
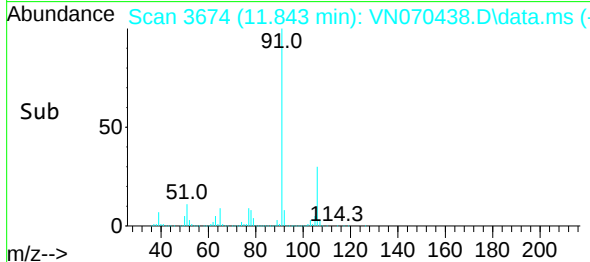
Instrument :
MSVOA_N
ClientSampleId :
MW-2



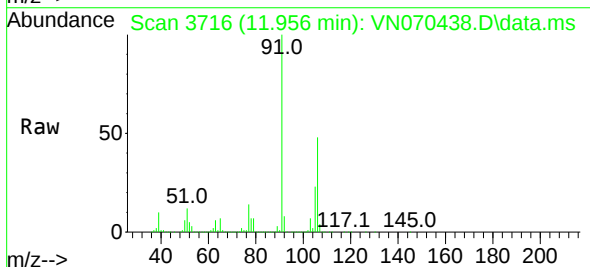
Tgt Ion: 91 Resp: 492649
Ion Ratio Lower Upper
91 100
106 30.4 25.7 38.5

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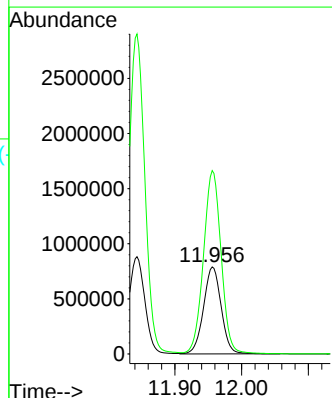
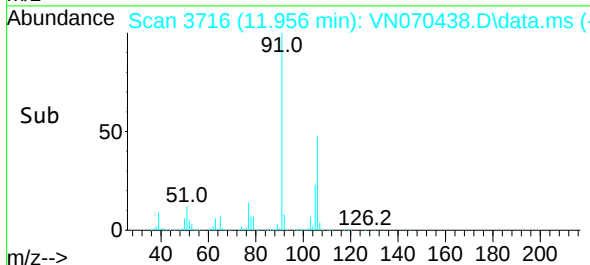
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

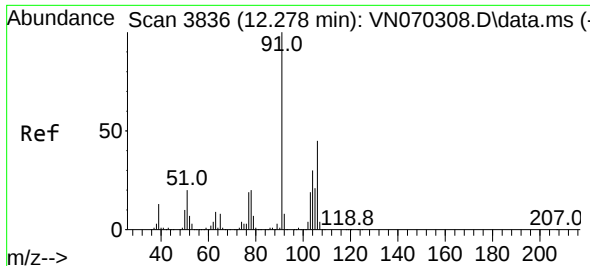


#68
m/p-Xylenes
Concen: 66.786 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.003 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36



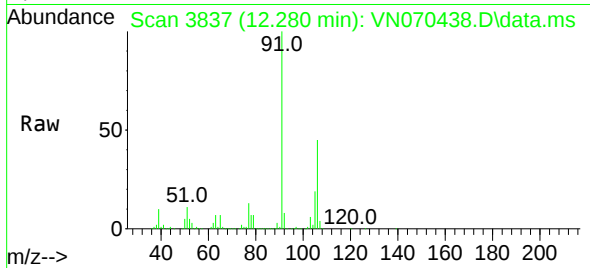
Tgt Ion:106 Resp: 1446334
Ion Ratio Lower Upper
106 100
91 211.1 160.6 240.8





#69
o-Xylene
Concen: 11.686 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

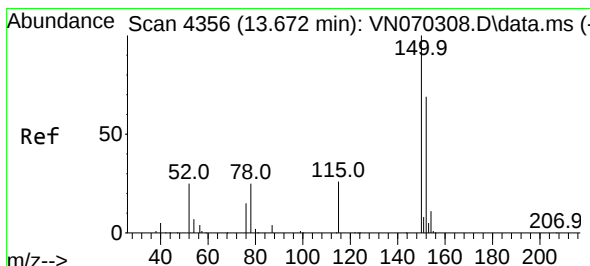
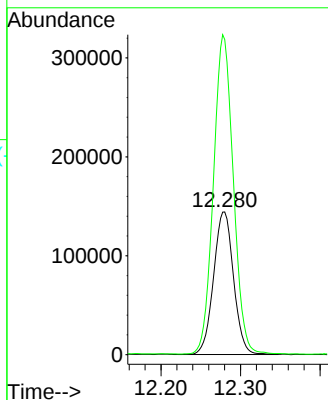
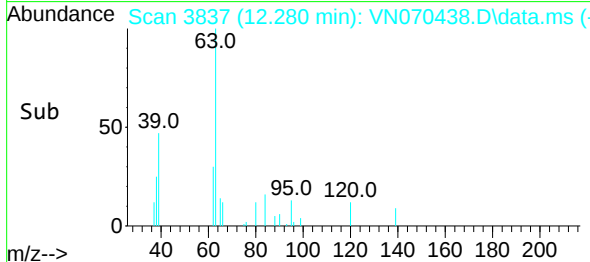
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion:106 Resp: 251732
Ion Ratio Lower Upper
106 100
91 222.7 105.8 317.3

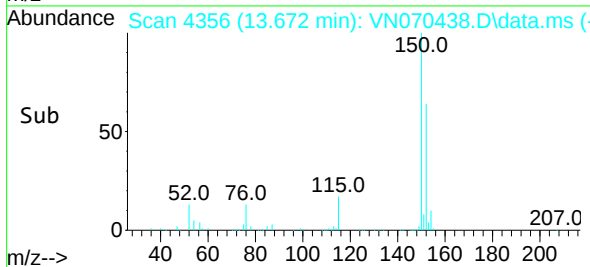
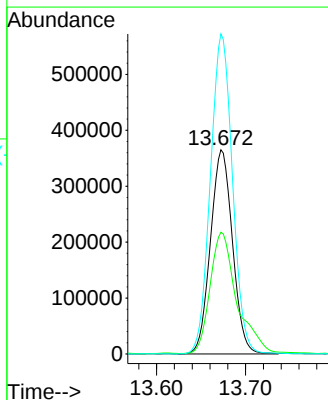
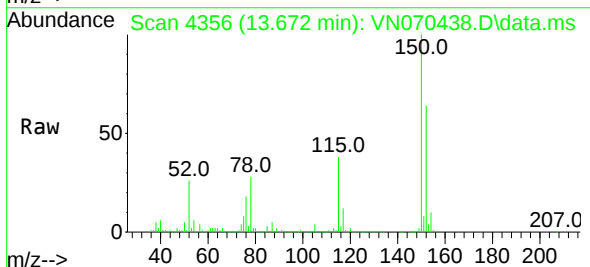
Manual Integrations
APPROVED

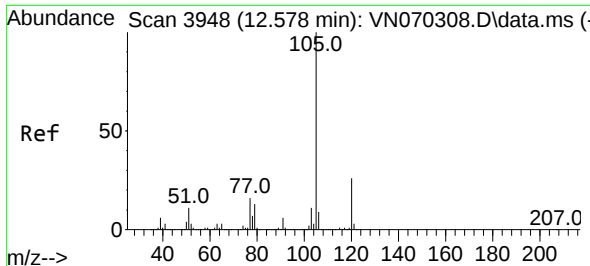
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

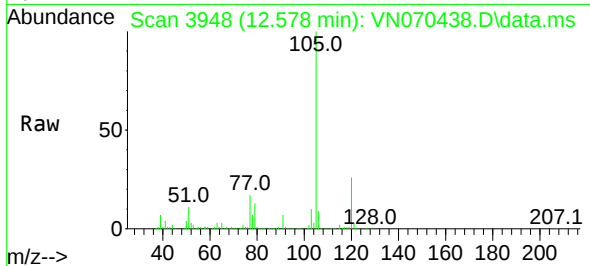
Tgt Ion:152 Resp: 628311
Ion Ratio Lower Upper
152 100
115 72.1 27.5 82.5
150 157.2 0.0 344.4





#73
Isopropylbenzene
Concen: 4.842 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

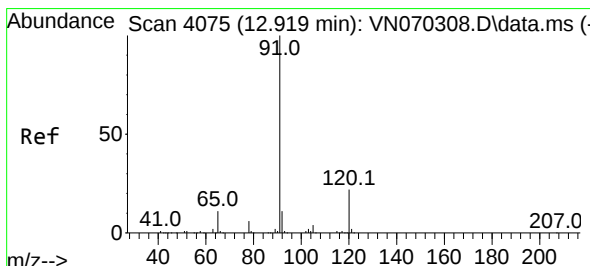
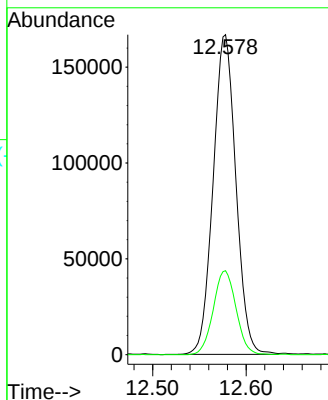
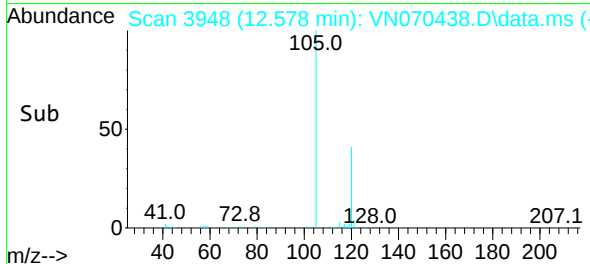
Instrument :
MSVOA_N
ClientSampleId :
MW-2



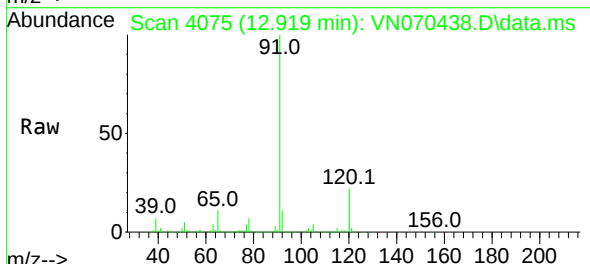
Tgt Ion:105 Resp: 282520
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.1

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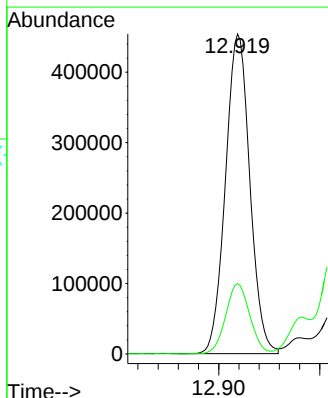
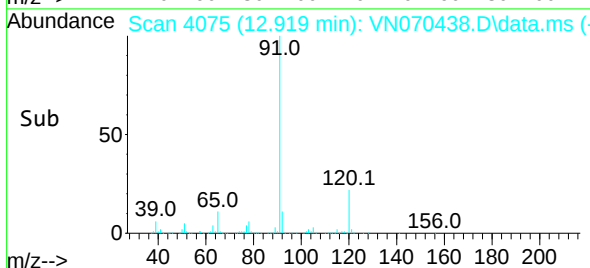
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

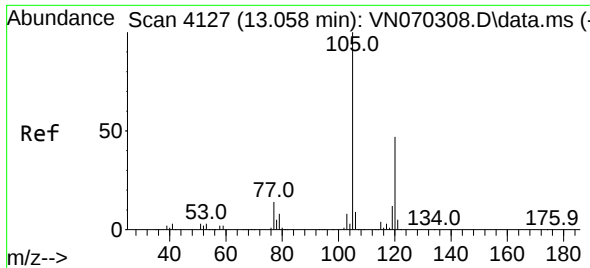


#78
n-propylbenzene
Concen: 11.757 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36



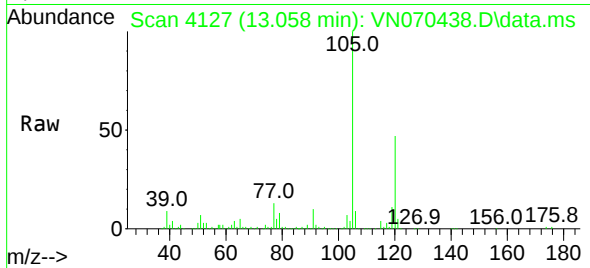
Tgt Ion: 91 Resp: 760097
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.9





#80
1,3,5-Trimethylbenzene
Concen: 4.842 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36

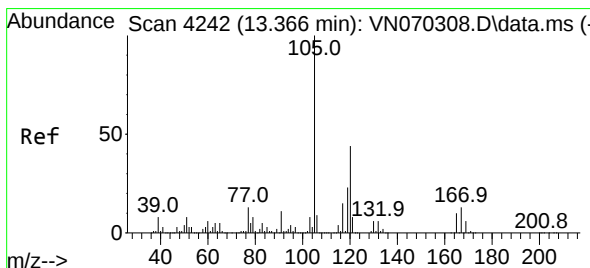
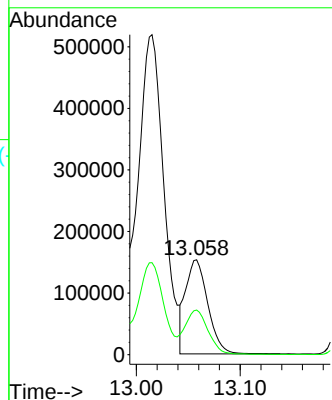
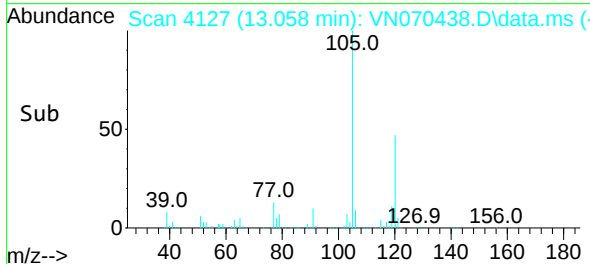
Instrument :
MSVOA_N
ClientSampleId :
MW-2



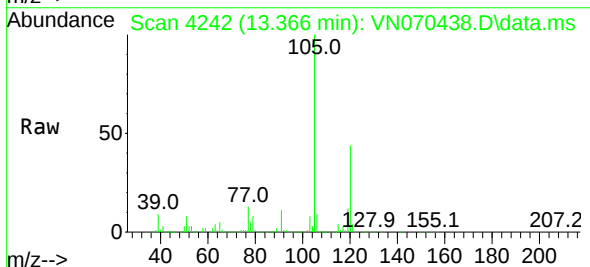
Tgt Ion:105 Resp: 22638
Ion Ratio Lower Upper
105 100
120 49.4 24.6 73.6

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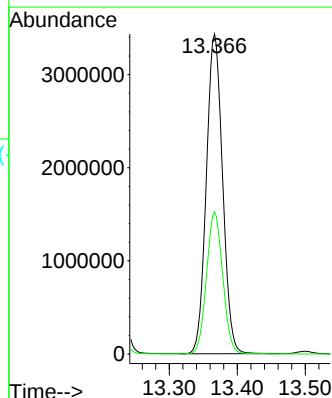
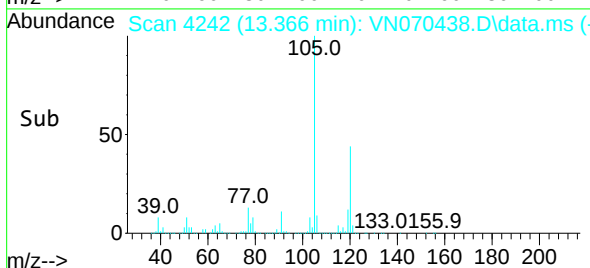
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

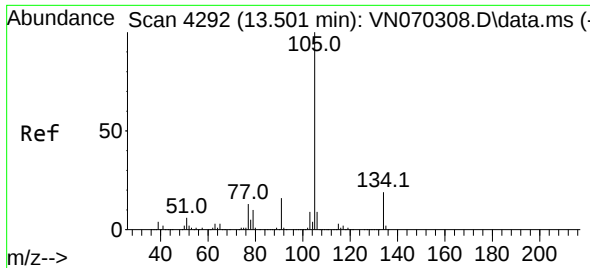


#84
1,2,4-Trimethylbenzene
Concen: 126.631 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. 0.000 min
Lab File: VN070438.D
Acq: 3 Jan 2022 15:36



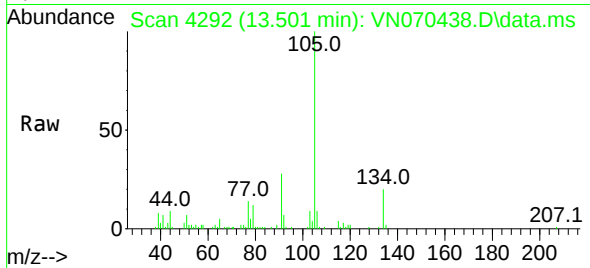
Tgt Ion:105 Resp: 5701429
Ion Ratio Lower Upper
105 100
120 44.3 22.8 68.4





#85
 sec-Butylbenzene
 Concen: 0.949 ug/l m
 RT: 13.501 min Scan# 4292
 Delta R.T. -0.000 min
 Lab File: VN070438.D
 Acq: 3 Jan 2022 15:36

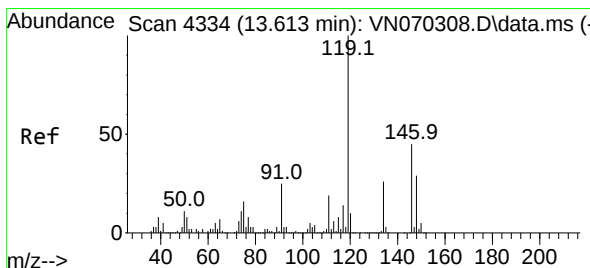
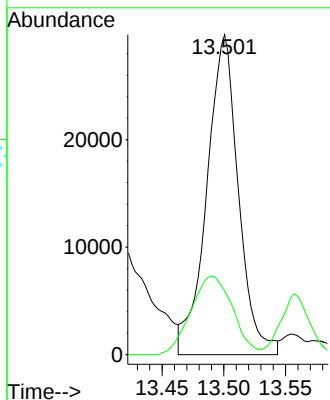
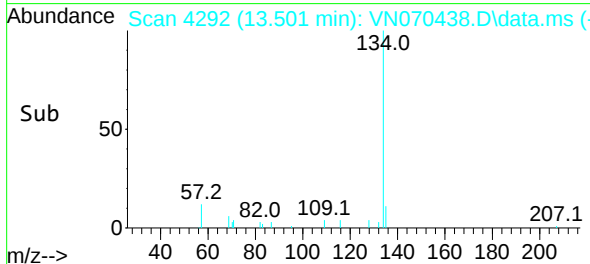
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2



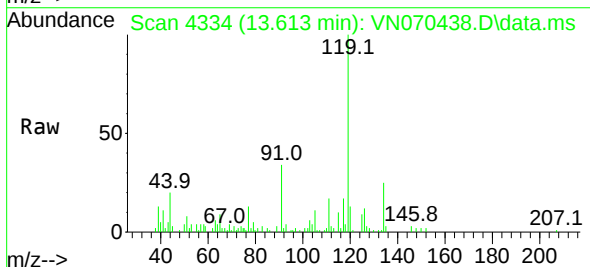
Tgt Ion:105 Resp: 53072
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

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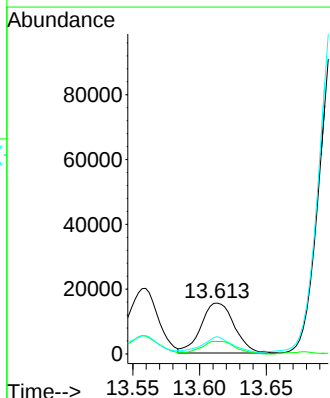
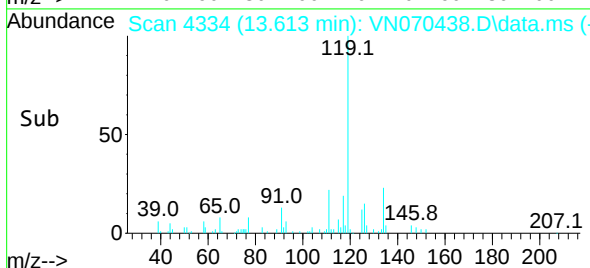
Reviewed By :John Carlone 01/04/2022
 Supervised By :Mahesh Dadoda 01/04/2022

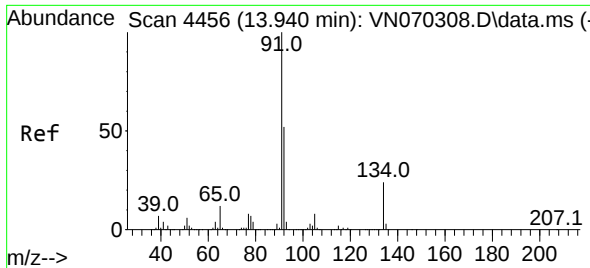


#86
 p-Isopropyltoluene
 Concen: 0.608 ug/l
 RT: 13.613 min Scan# 4334
 Delta R.T. 0.000 min
 Lab File: VN070438.D
 Acq: 3 Jan 2022 15:36



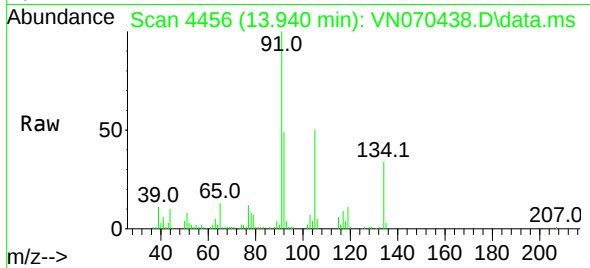
Tgt Ion:119 Resp: 26703
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.6 40.7
 91 0.0 11.4 34.1





#89
 n-Butylbenzene
 Concen: 1.178 ug/l
 RT: 13.940 min Scan# 4456
 Delta R.T. 0.000 min
 Lab File: VN070438.D
 Acq: 3 Jan 2022 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2



Tgt Ion: 91 Resp: 4315
 Ion Ratio Lower Upper
 91 100
 92 67.1 25.4 76.0
 134 0.0 13.6 40.8

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/04/2022
 Supervised By :Mahesh Dadoda 01/04/2022

