

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087107.D
 Acq On : 19 Jun 2025 13:38
 Operator : JC\MD
 Sample : Q2333-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-08

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 01:24:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	260611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	524185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	470225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	201938	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.583	65	182621	52.338	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.680%	
35) Dibromofluoromethane	8.177	113	159633	51.388	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.780%	
50) Toluene-d8	10.565	98	650422	52.890	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.780%	
62) 4-Bromofluorobenzene	12.847	95	215504	47.167	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.340%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.548	59	18017	19.030	ug/l	96
25) 2-Butanone	7.494	43	7336	2.439	ug/l	# 88
31) Cyclohexane	8.265	56	180028	31.811	ug/l	91
39) Methylcyclohexane	9.606	83	130866	20.636	ug/l	95
40) Benzene	8.612	78	1339654	88.504	ug/l	100
52) Toluene	10.630	92	203519	22.001	ug/l	99
67) Ethyl Benzene	11.965	91	9306781	520.985	ug/l	98
68) m/p-Xylenes	12.076	106	8208444	1200.368	ug/l	94
69) o-Xylene	12.394	106	3736770	570.561	ug/l	96
73) Isopropylbenzene	12.694	105	560609	38.107	ug/l	99
78) n-propylbenzene	13.035	91	1423219	79.606	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	564715	46.494	ug/l	87
84) 1,2,4-Trimethylbenzene	13.482	105	10846826	890.576	ug/l	98
85) sec-Butylbenzene	13.618	105	58641m	3.632	ug/l	
86) p-Isopropyltoluene	13.729	119	37682m	2.823	ug/l	
89) n-Butylbenzene	14.053	91	44551m	3.446	ug/l	
95) Naphthalene	15.635	128	5267267	347.493	ug/l	100

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

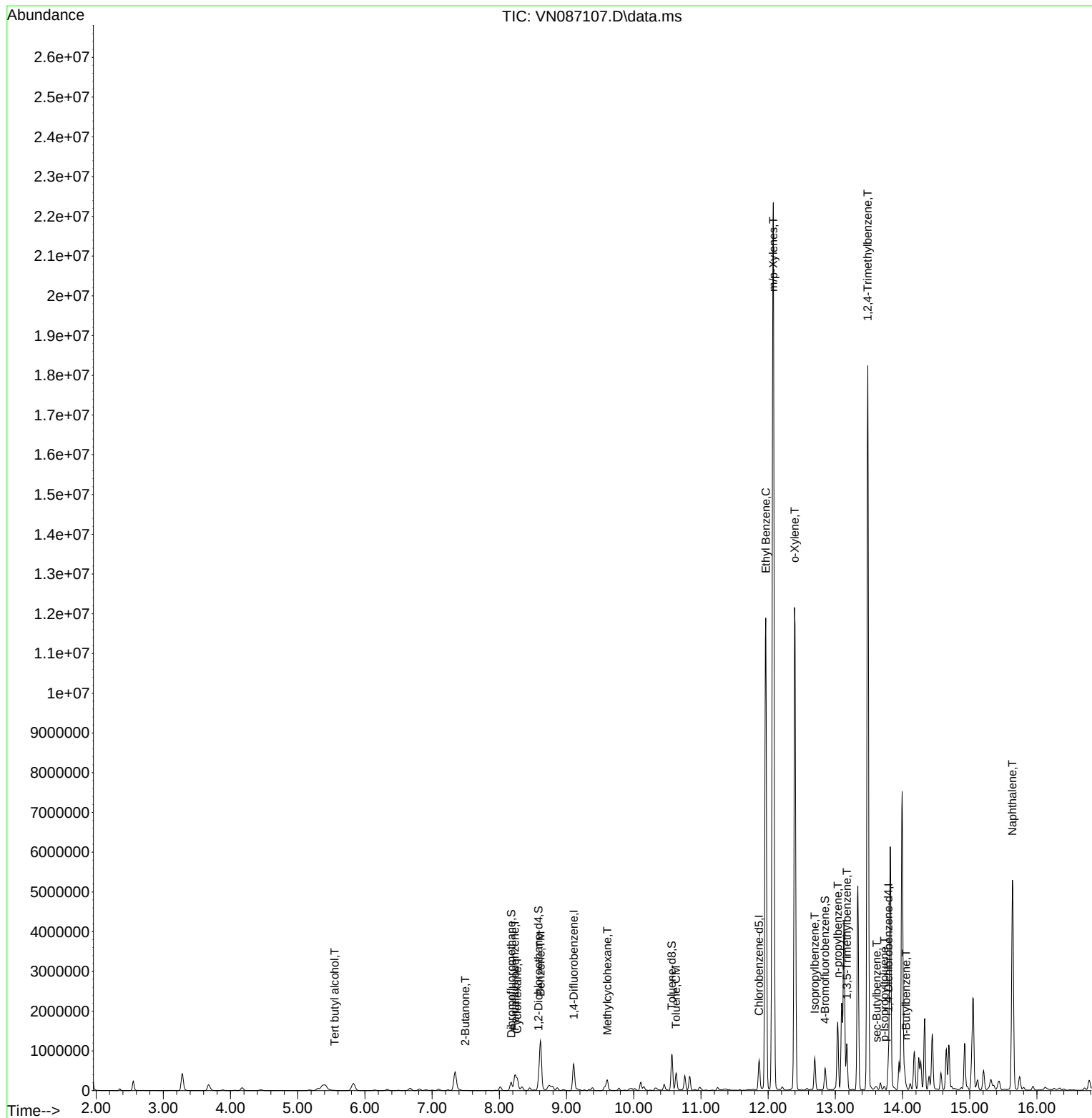
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
Data File : VN087107.D
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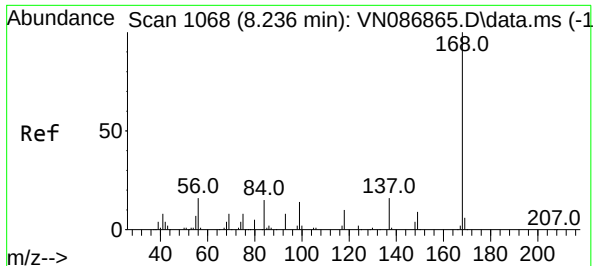
Instrument :
MSVOA_N
ClientSampleId :
MW-08

Quant Time: Jun 20 01:24:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

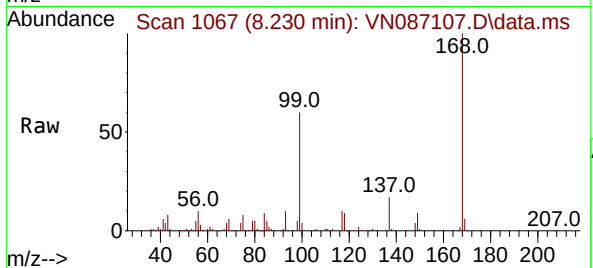
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

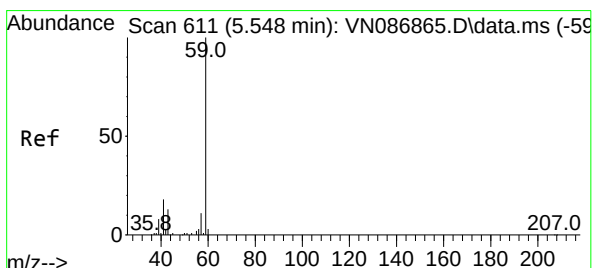
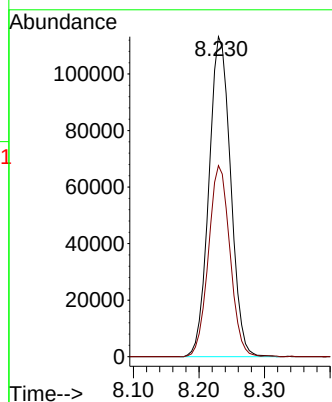
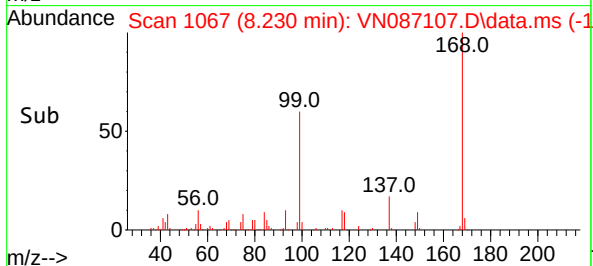
Instrument :
MSVOA_N
ClientSampleId :
MW-08



Tgt Ion:168 Resp: 26061
Ion Ratio Lower Upper
168 100
99 59.7 49.1 73.7

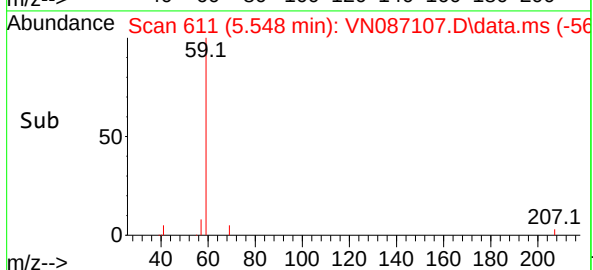
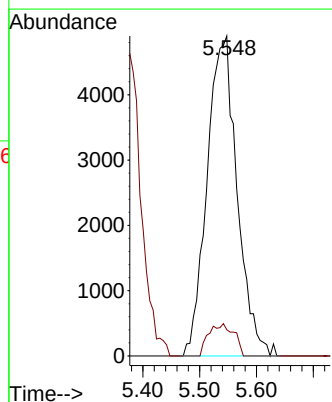
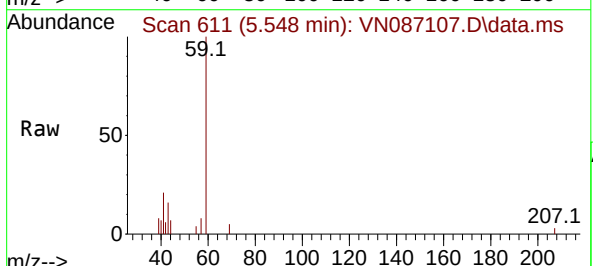
Manual Integrations
APPROVED

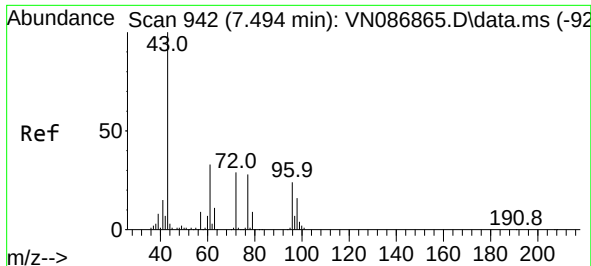
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#11
Tert butyl alcohol
Concen: 19.030 ug/l
RT: 5.548 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

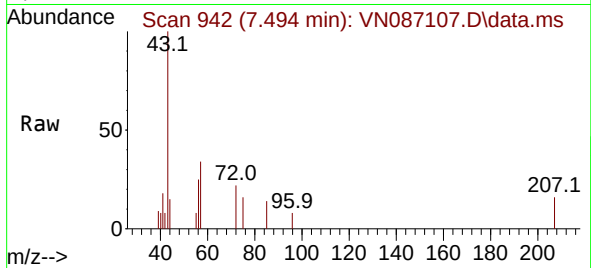
Tgt Ion: 59 Resp: 18017
Ion Ratio Lower Upper
59 100
57 8.5 8.1 12.1





#25
2-Butanone
Concen: 2.439 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

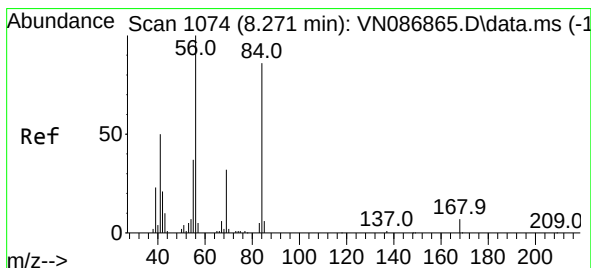
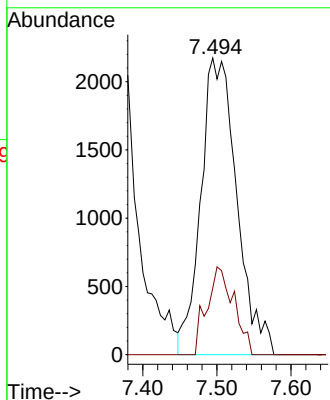
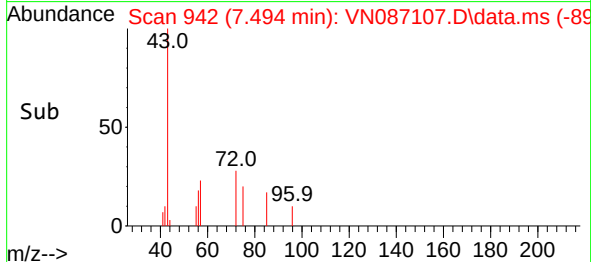
Instrument :
MSVOA_N
ClientSampleId :
MW-08



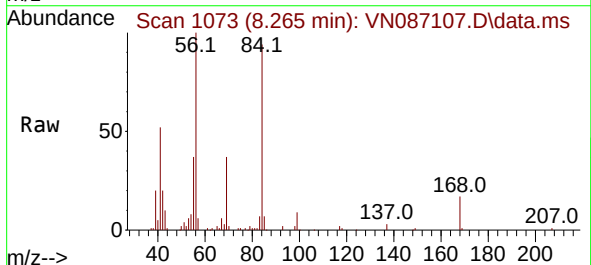
Tgt Ion: 43 Resp: 7330
Ion Ratio Lower Upper
43 100
72 22.5 23.0 34.6

Manual Integrations
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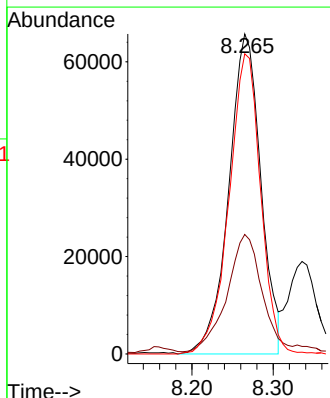
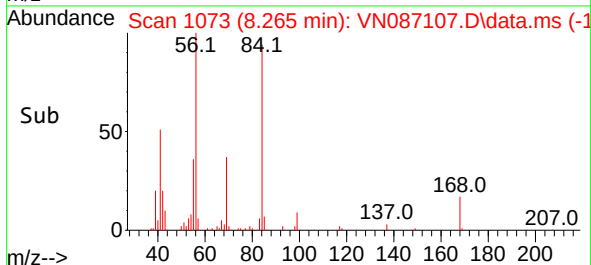
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

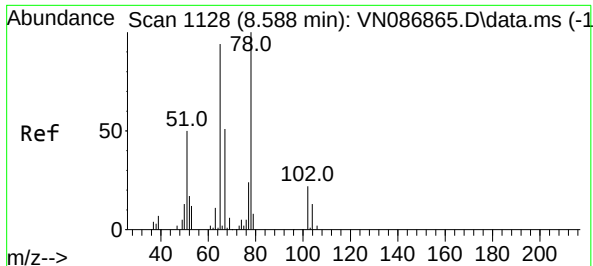


#31
Cyclohexane
Concen: 31.811 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.006 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38



Tgt Ion: 56 Resp: 180028
Ion Ratio Lower Upper
56 100
69 36.6 25.4 38.0
84 93.8 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 52.338 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087107.D

Acq: 19 Jun 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

MW-08

Tgt Ion: 65 Resp: 18262

Ion Ratio Lower Upper

65 100

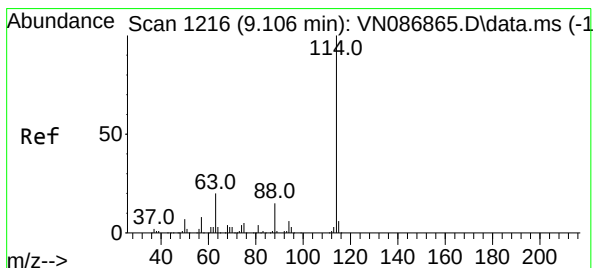
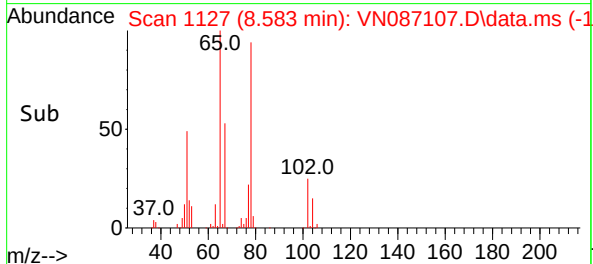
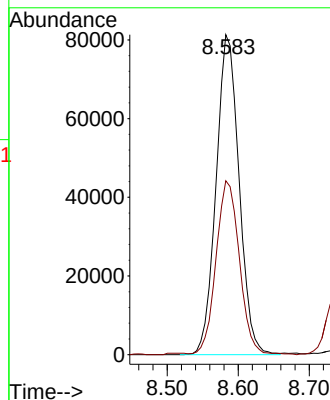
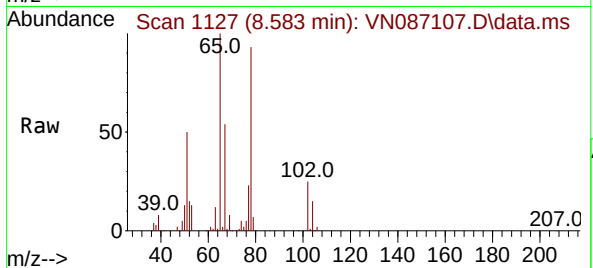
67 55.4 0.0 105.6

Manual Integrations

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Supervised By :Mahesh Dadoda 06/21/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087107.D

Acq: 19 Jun 2025 13:38

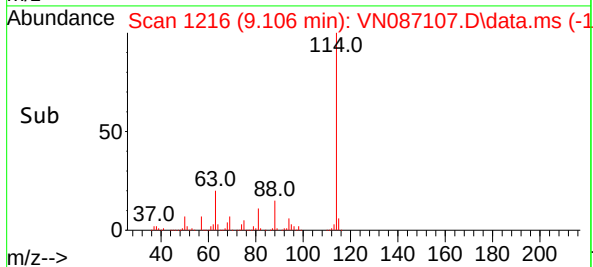
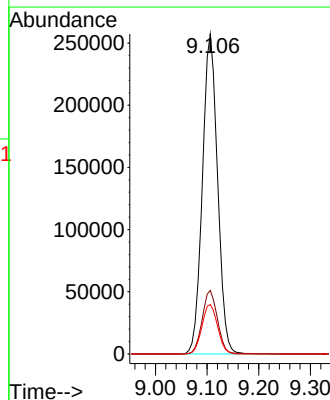
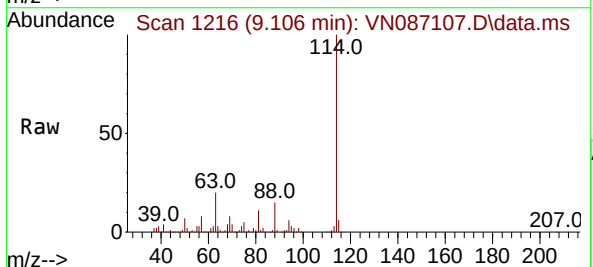
Tgt Ion:114 Resp: 524185

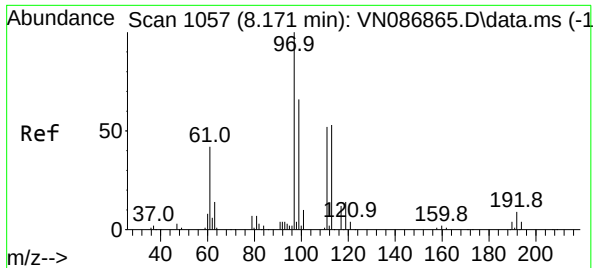
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

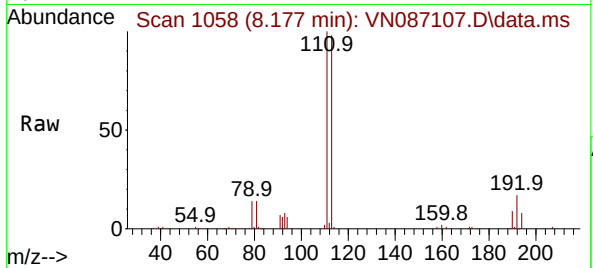
88 15.5 0.0 30.2





#35
Dibromofluoromethane
Concen: 51.388 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

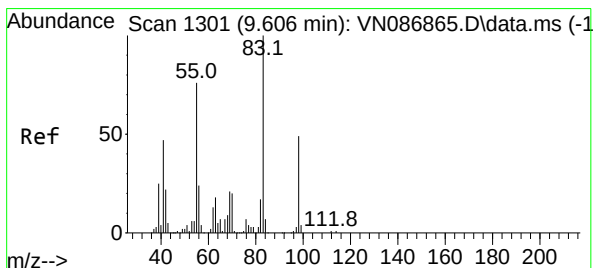
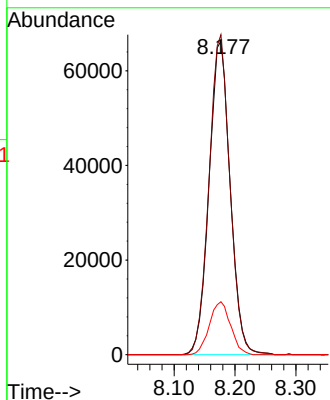
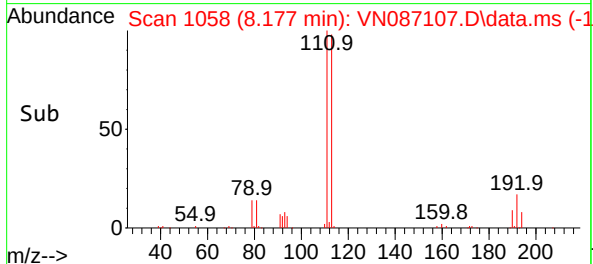
Instrument :
MSVOA_N
ClientSampleId :
MW-08



Tgt Ion: 113 Resp: 15963
Ion Ratio Lower Upper
113 100
111 101.1 84.2 126.2
192 17.0 14.2 21.4

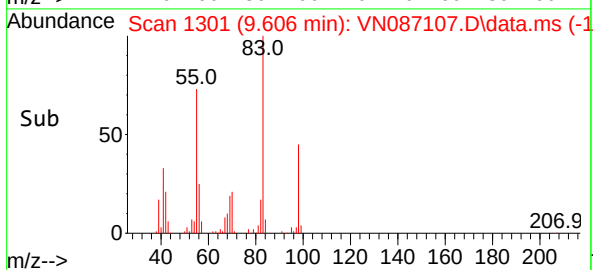
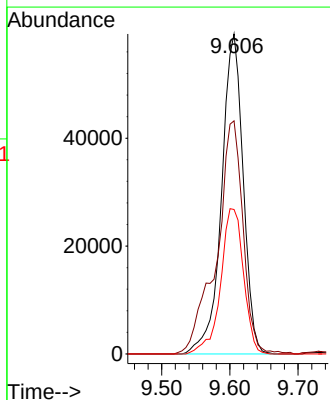
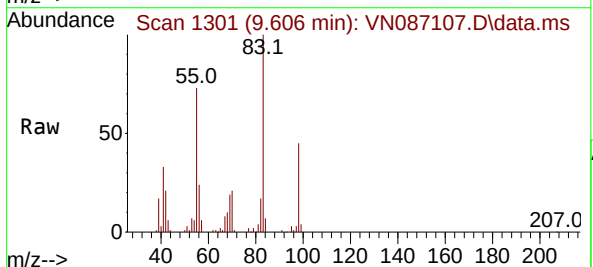
Manual Integrations
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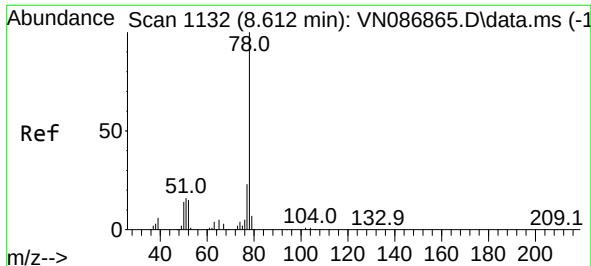
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#39
Methylcyclohexane
Concen: 20.636 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

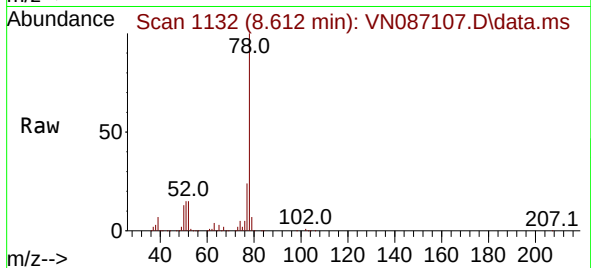
Tgt Ion: 83 Resp: 130866
Ion Ratio Lower Upper
83 100
55 72.4 61.0 91.6
98 45.2 38.9 58.3





#40
Benzene
Concen: 88.504 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

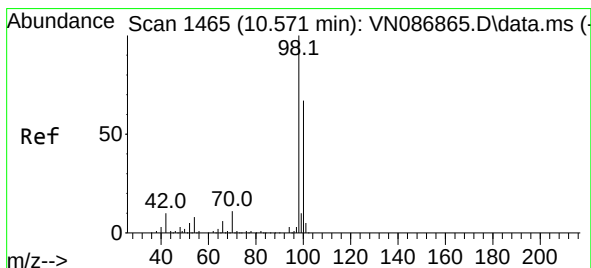
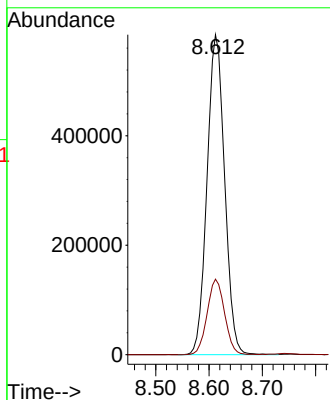
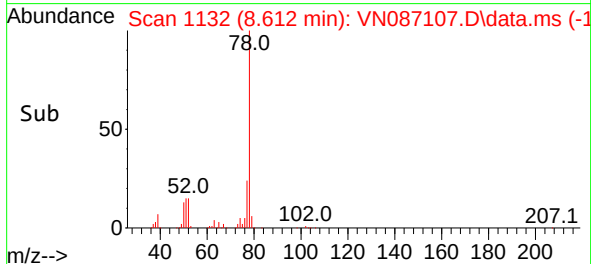
Instrument :
MSVOA_N
ClientSampleId :
MW-08



Tgt Ion: 78 Resp: 1339654
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1

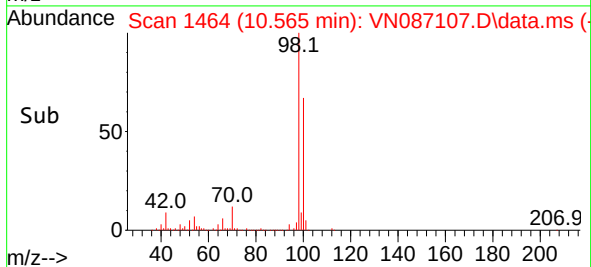
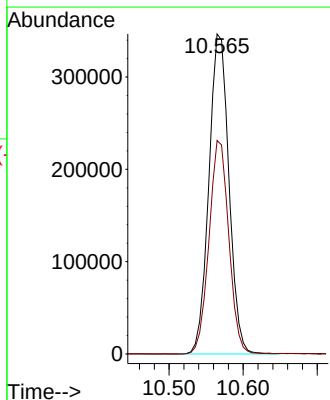
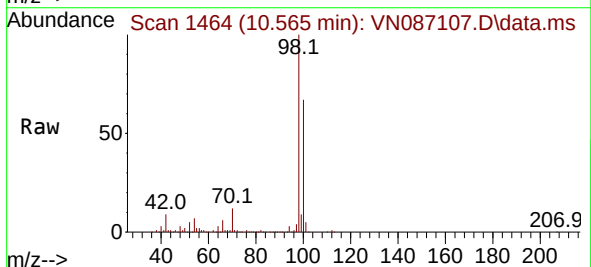
Manual Integrations
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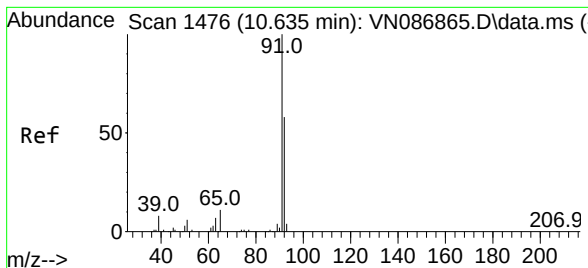
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#50
Toluene-d8
Concen: 52.890 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

Tgt Ion: 98 Resp: 650422
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0





#52

Toluene

Concen: 22.001 ug/l

RT: 10.630 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VN087107.D

Acq: 19 Jun 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

MW-08

Tgt Ion: 92 Resp: 203519

Ion Ratio Lower Upper

92 100

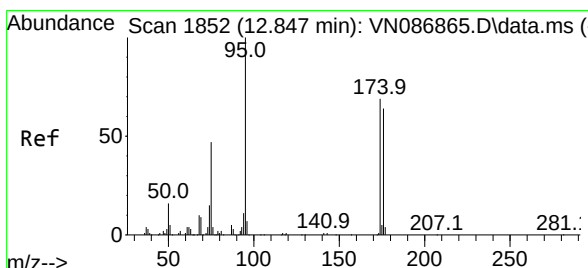
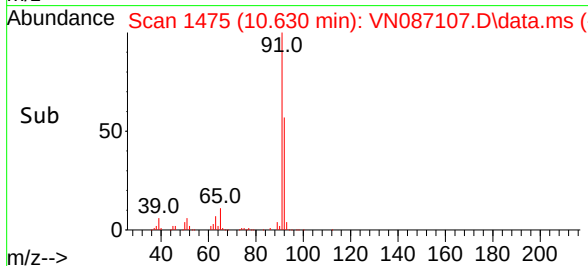
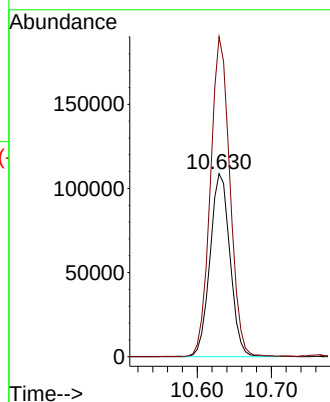
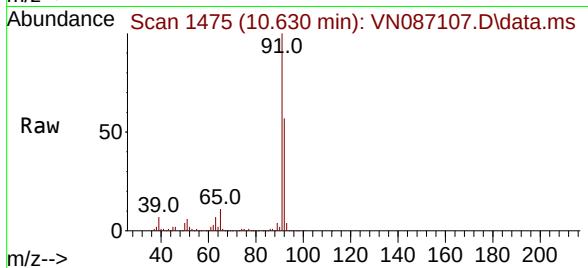
91 171.5 136.5 204.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/20/2025

Supervised By :Mahesh Dadoda 06/21/2025



#62

4-Bromofluorobenzene

Concen: 47.167 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN087107.D

Acq: 19 Jun 2025 13:38

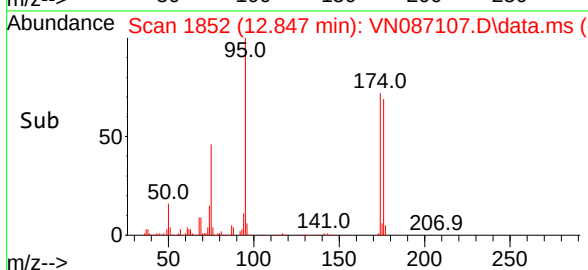
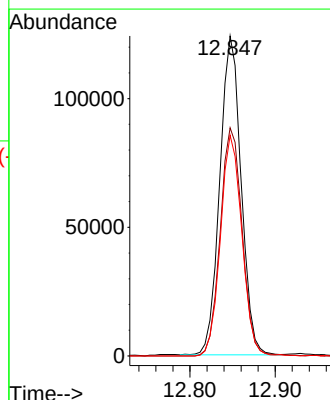
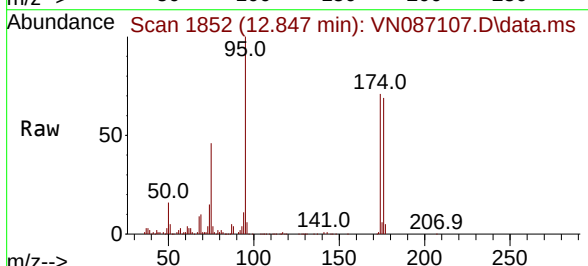
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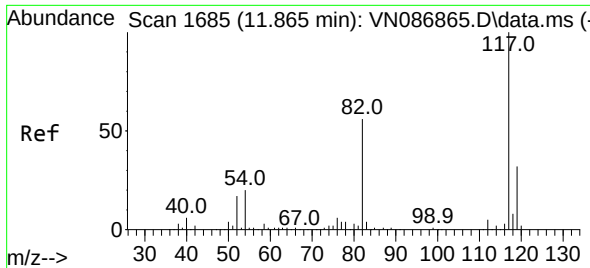
Ion Ratio Lower Upper

95 100

174 73.4 0.0 141.8

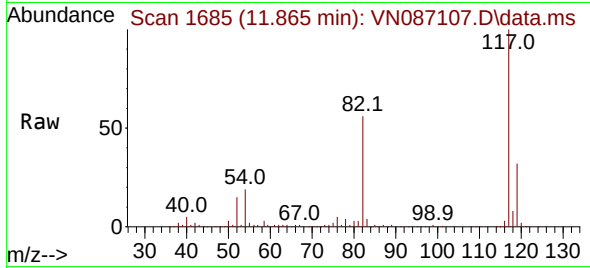
176 69.4 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

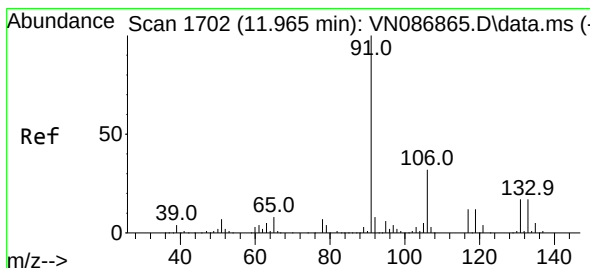
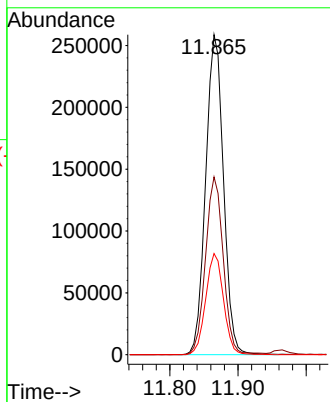
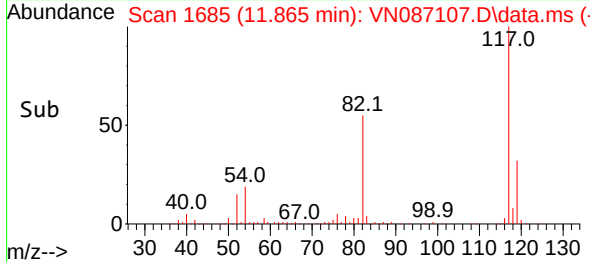
Instrument :
MSVOA_N
ClientSampleId :
MW-08



Tgt Ion:117 Resp: 470225
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 31.6 25.5 38.3

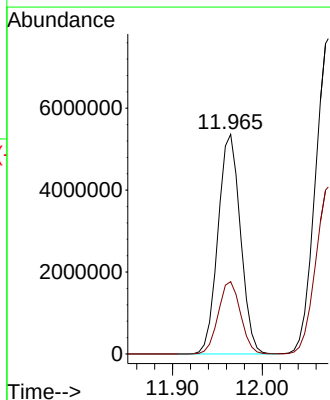
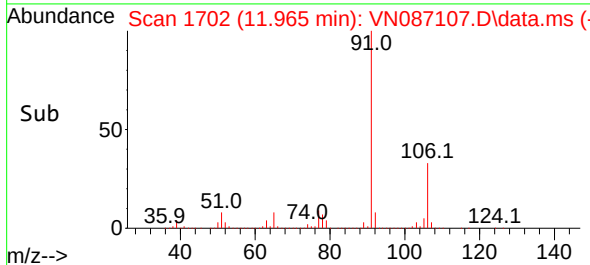
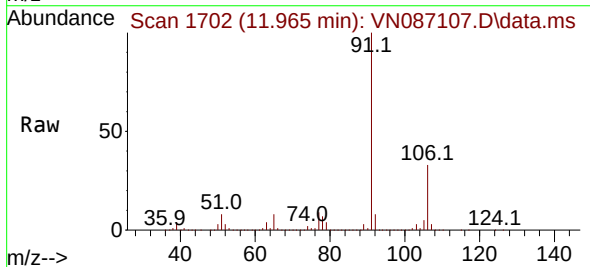
Manual Integrations
APPROVED

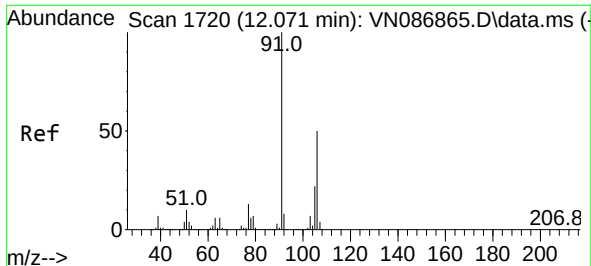
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#67
Ethyl Benzene
Concen: 520.985 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

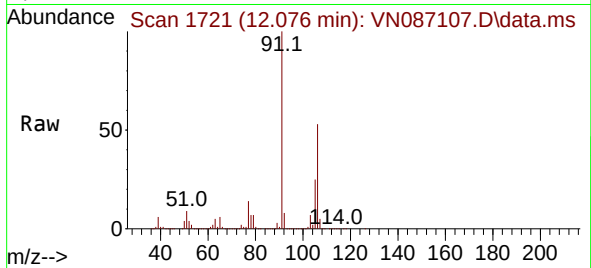
Tgt Ion: 91 Resp: 9306781
Ion Ratio Lower Upper
91 100
106 32.9 25.4 38.2





#68
m/p-Xylenes
Concen: 1200.368 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

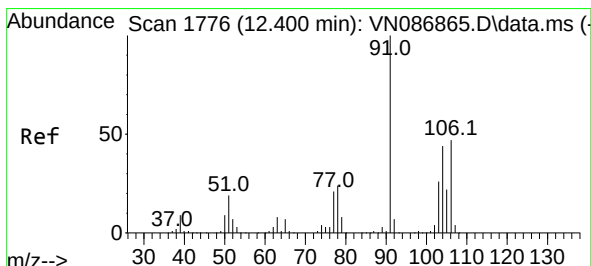
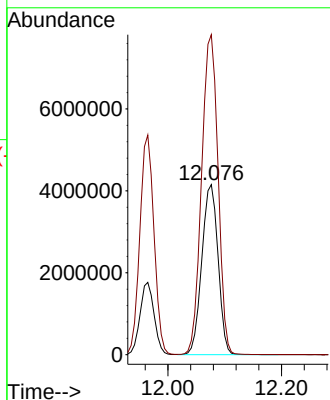
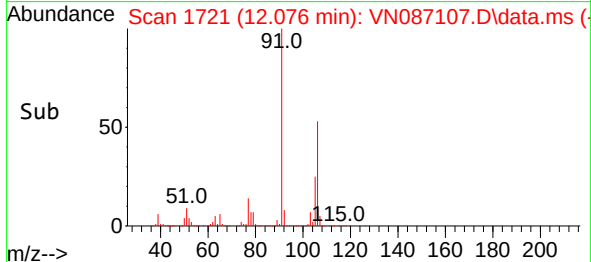
Instrument :
MSVOA_N
ClientSampleId :
MW-08



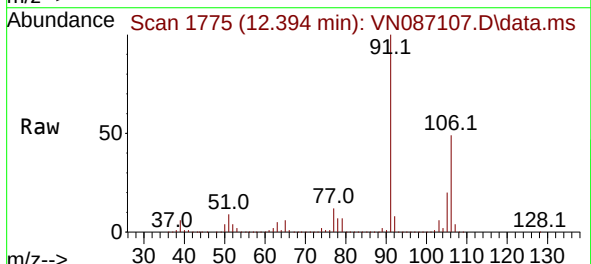
Tgt Ion:106 Resp: 820844
Ion Ratio Lower Upper
106 100
91 190.7 159.4 239.0

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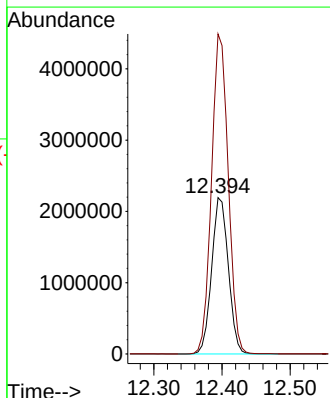
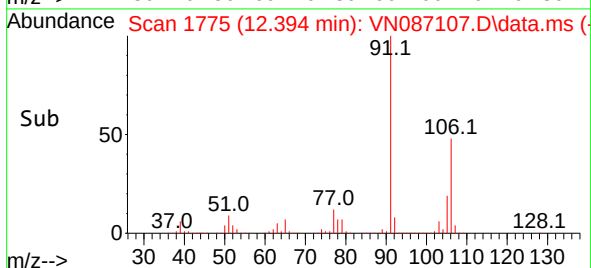
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

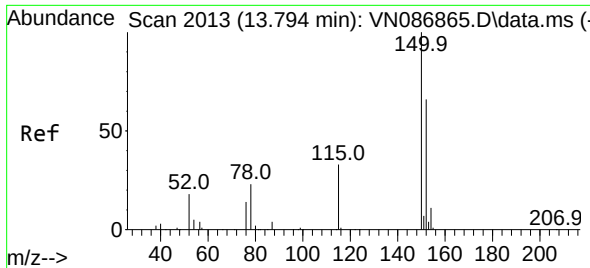


#69
o-Xylene
Concen: 570.561 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38



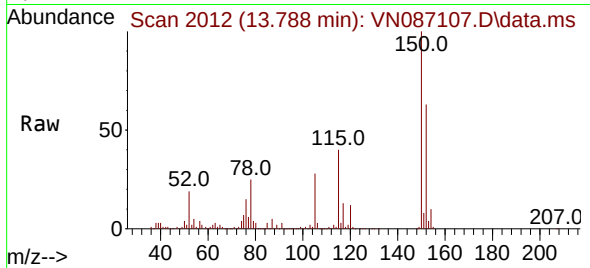
Tgt Ion:106 Resp: 3736770
Ion Ratio Lower Upper
106 100
91 205.3 106.1 318.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

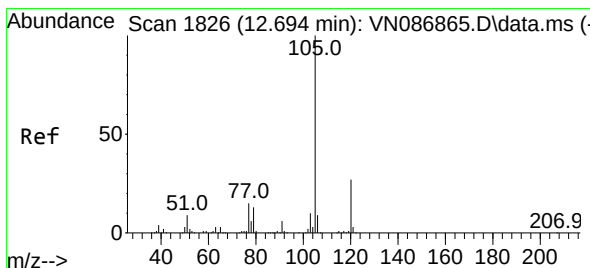
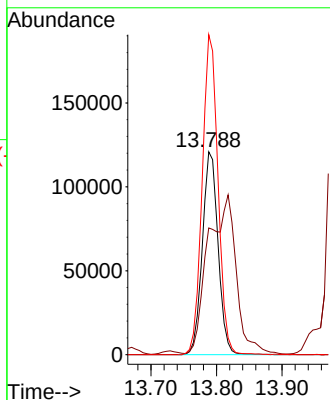
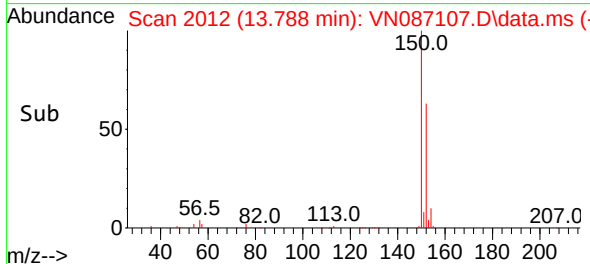
Instrument :
MSVOA_N
ClientSampleId :
MW-08



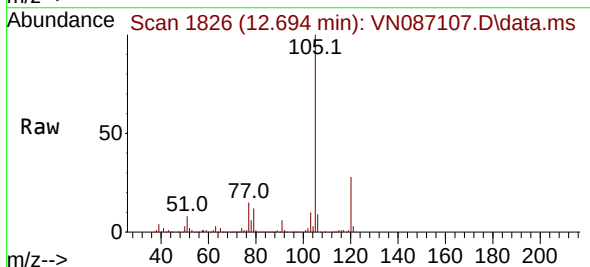
Tgt Ion:152 Resp: 201938
Ion Ratio Lower Upper
152 100
115 0.0 30.1 90.5
150 158.4 0.0 345.0

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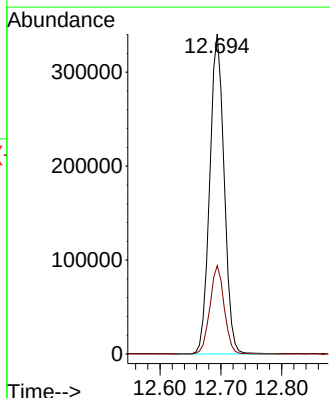
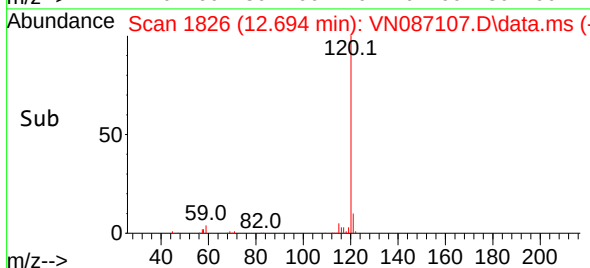
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

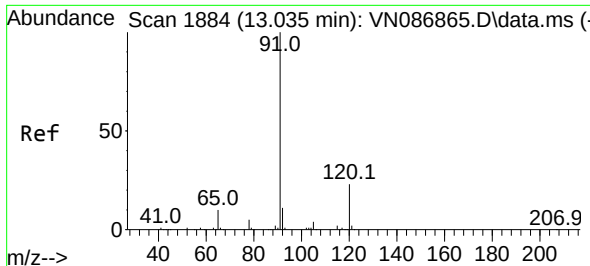


#73
Isopropylbenzene
Concen: 38.107 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38



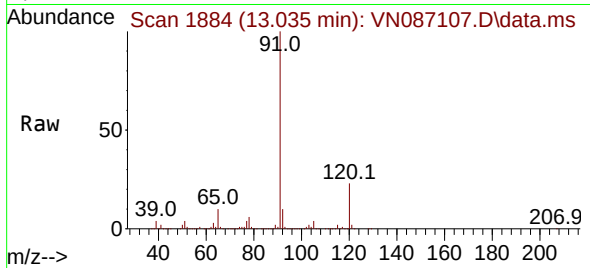
Tgt Ion:105 Resp: 560609
Ion Ratio Lower Upper
105 100
120 27.2 13.5 40.4





#78
n-propylbenzene
Concen: 79.606 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

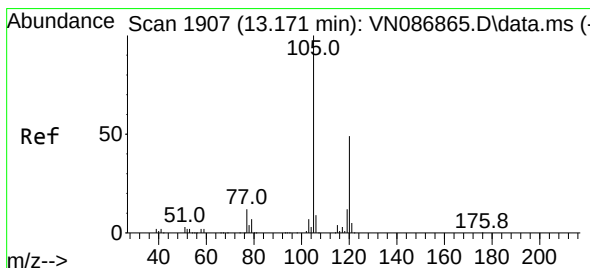
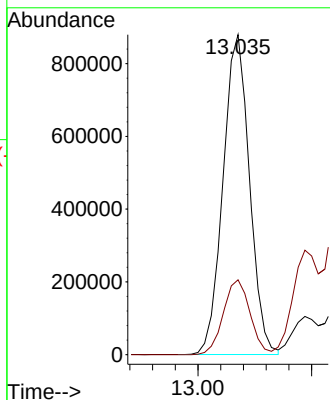
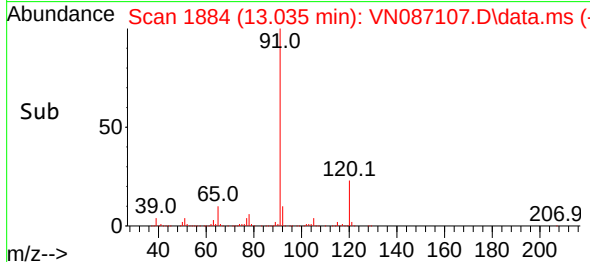
Instrument :
MSVOA_N
ClientSampleId :
MW-08



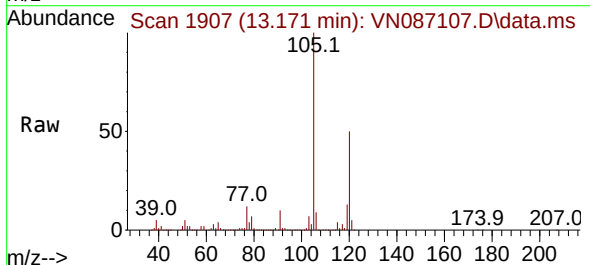
Tgt Ion: 91 Resp: 1423219
Ion Ratio Lower Upper
91 100
120 23.6 11.4 34.2

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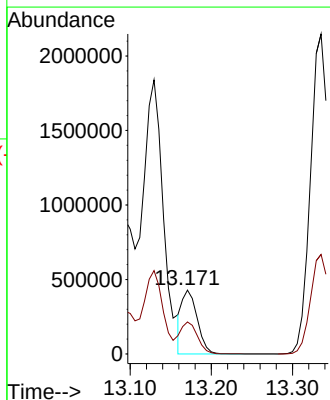
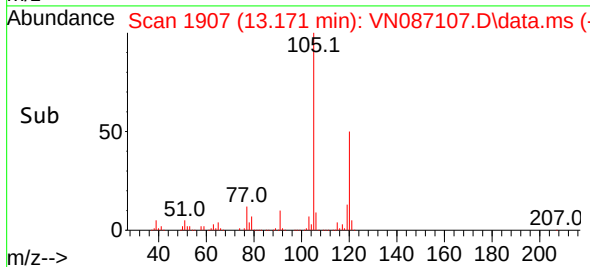
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

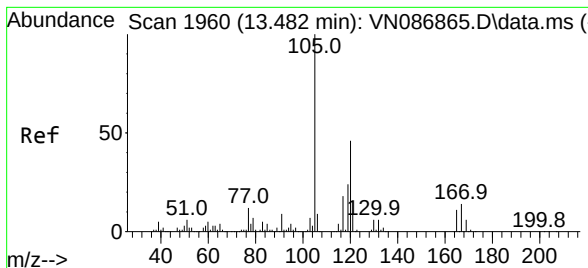


#80
1,3,5-Trimethylbenzene
Concen: 46.494 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38



Tgt Ion:105 Resp: 564715
Ion Ratio Lower Upper
105 100
120 58.6 24.9 74.6





#84

1,2,4-Trimethylbenzene

Concen: 890.576 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN087107.D

Acq: 19 Jun 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

MW-08

Tgt Ion:105 Resp:1084682

Ion Ratio Lower Upper

105 100

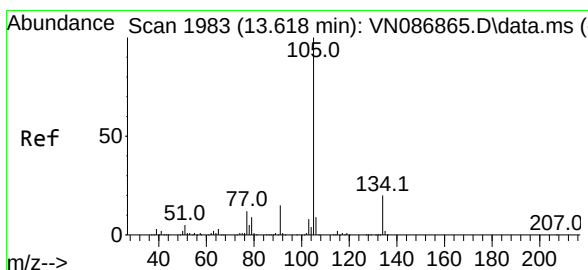
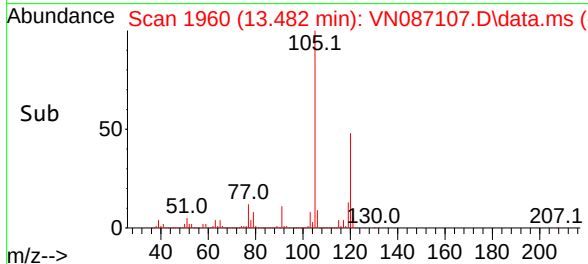
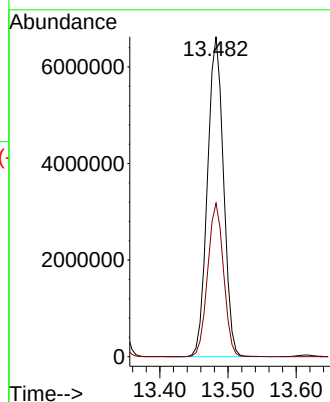
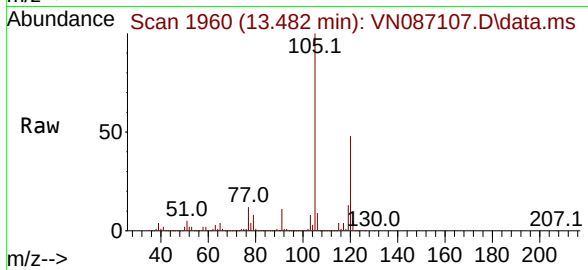
120 47.5 23.2 69.6

Manual Integrations

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Reviewed By :John Carlone 06/20/2025

Supervised By :Mahesh Dadoda 06/21/2025



#85

sec-Butylbenzene

Concen: 3.632 ug/l m

RT: 13.618 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VN087107.D

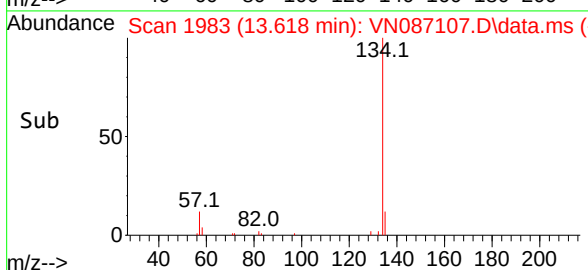
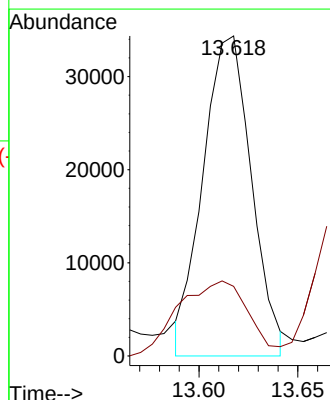
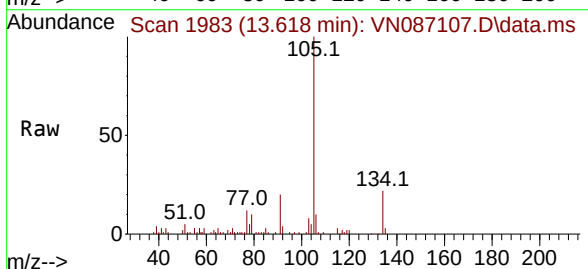
Acq: 19 Jun 2025 13:38

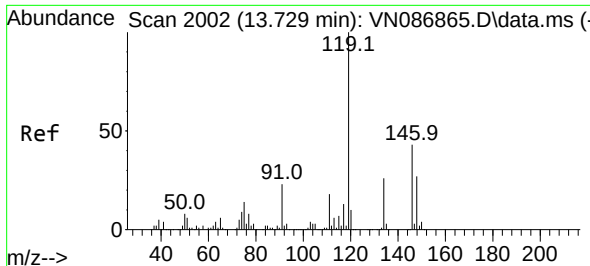
Tgt Ion:105 Resp: 58641

Ion Ratio Lower Upper

105 100

134 0.0 10.0 30.0#





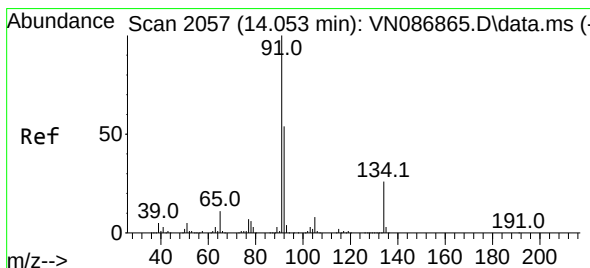
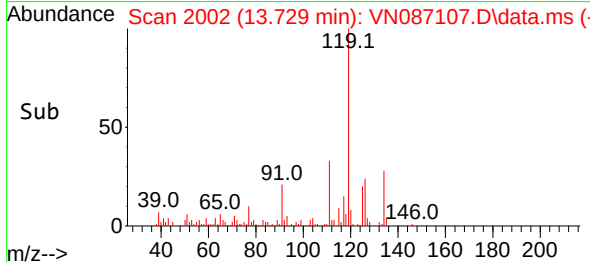
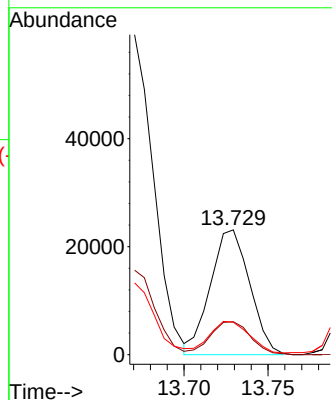
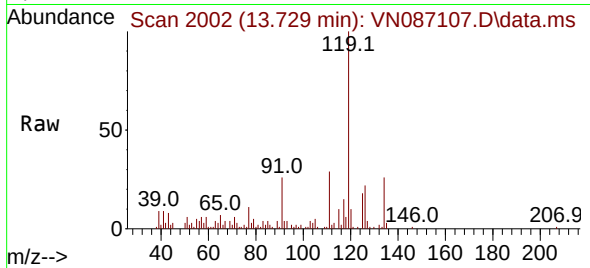
#86
p-Isopropyltoluene
Concen: 2.823 ug/l m
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

Instrument :
MSVOA_N
ClientSampleId :
MW-08

Tgt Ion: 119 Resp: 3768
Ion Ratio Lower Upper
119 100
134 69.4 13.5 40.4#
91 0.0 11.5 34.4#

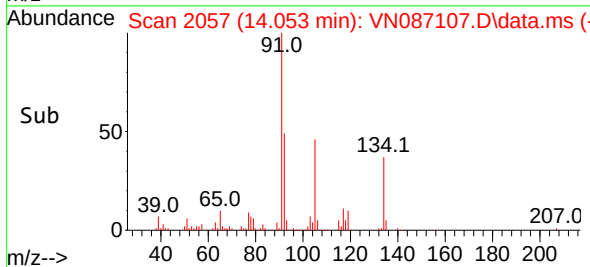
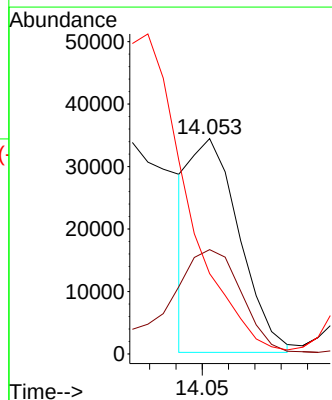
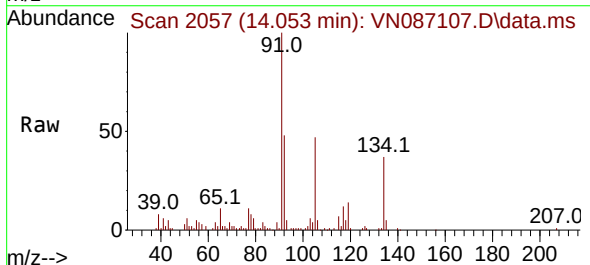
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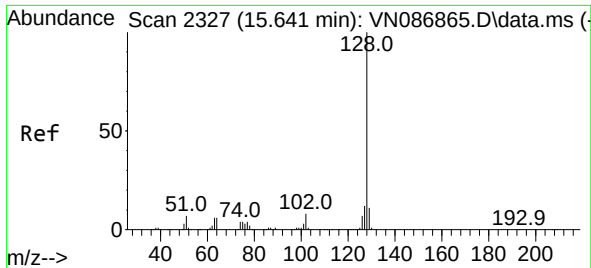
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#89
n-Butylbenzene
Concen: 3.446 ug/l m
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

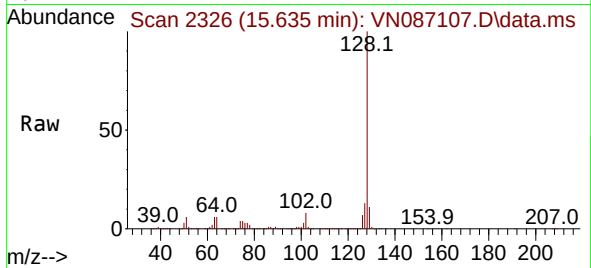
Tgt Ion: 91 Resp: 44551
Ion Ratio Lower Upper
91 100
92 160.2 27.5 82.4#
134 0.0 13.0 39.0#





#95
Naphthalene
Concen: 347.493 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN087107.D
Acq: 19 Jun 2025 13:38

Instrument :
MSVOA_N
ClientSampleId :
MW-08



Tgt Ion:128 Resp: 526726
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.0 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

