

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087013.D
 Acq On : 13 Jun 2025 19:29
 Operator : JC\MD
 Sample : Q2268-08DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3-20250605DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/16/2025
 Supervised By : Mahesh Dadoda 06/16/2025

Quant Time: Jun 14 00:34:41 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	8.236	168	277230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	560539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	507575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	242990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	199612	53.778	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.560%			
35) Dibromofluoromethane	8.177	113	169384	50.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.980%			
50) Toluene-d8	10.571	98	688735	52.373	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.740%			
62) 4-Bromofluorobenzene	12.847	95	250017	51.172	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.340%			
Target Compounds					Qvalue	
39) Methylcyclohexane	9.606	83	3526	0.520	ug/l	90
52) Toluene	10.630	92	116427	11.770	ug/l	98
67) Ethyl Benzene	11.965	91	761762	39.505	ug/l	100
68) m/p-Xylenes	12.071	106	863174	116.939	ug/l	99
69) o-Xylene	12.400	106	250807	35.477	ug/l	99
73) Isopropylbenzene	12.694	105	36503	2.062	ug/l	98
78) n-propylbenzene	13.035	91	96366	4.480	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	158077	10.816	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	891372	60.821	ug/l	99
89) n-Butylbenzene	14.053	91	5296m	0.340	ug/l	

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

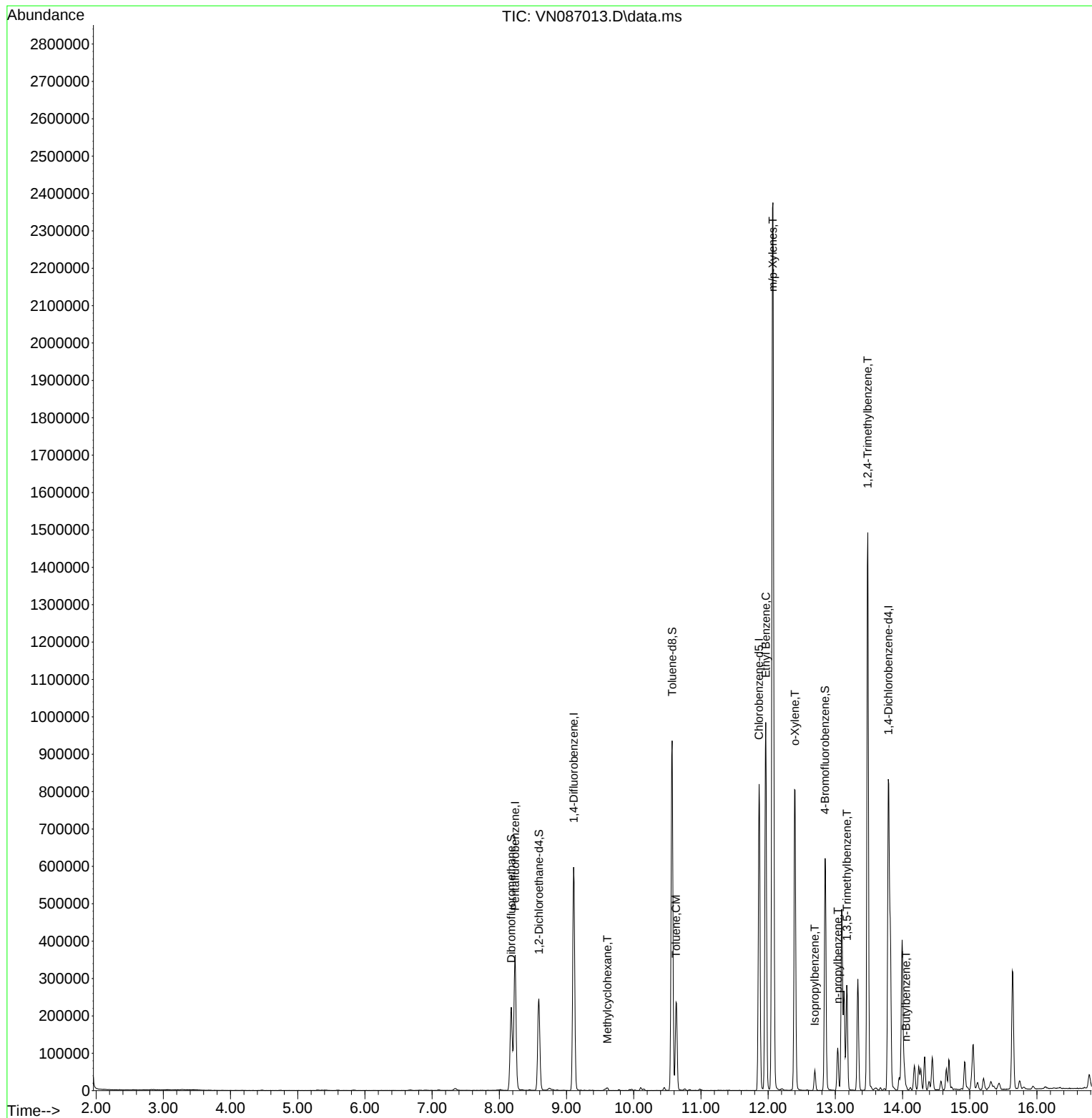
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087013.D
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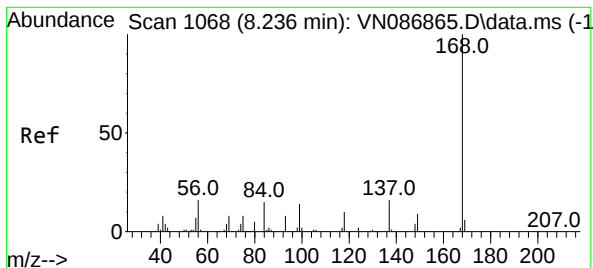
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605DL

Quant Time: Jun 14 00:34:41 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

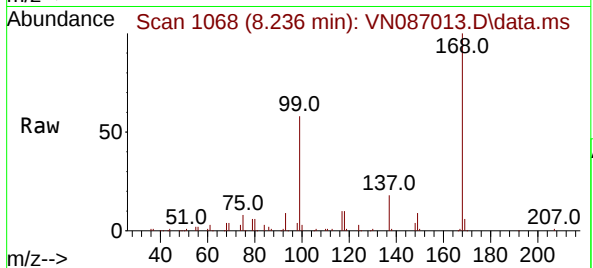
Reviewed By : John Carlone 06/16/2025
Supervised By : Mahesh Dadoda 06/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN087013.D
Acq: 13 Jun 2025 19:29

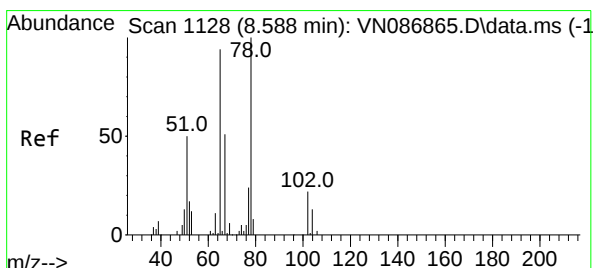
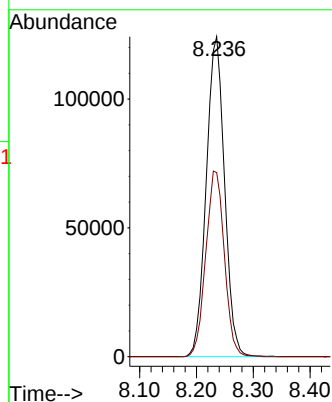
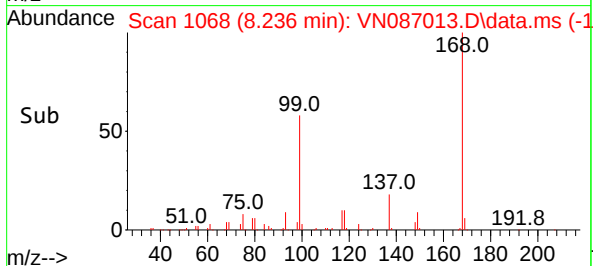
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605DL



Tgt Ion:168 Resp: 277230
Ion Ratio Lower Upper
168 100
99 57.6 49.1 73.7

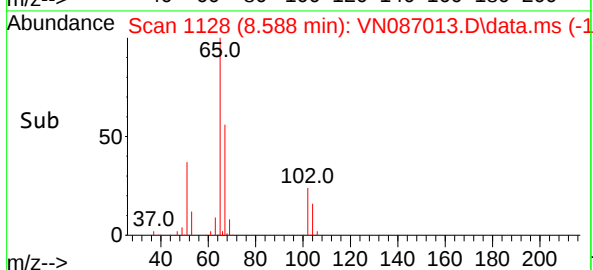
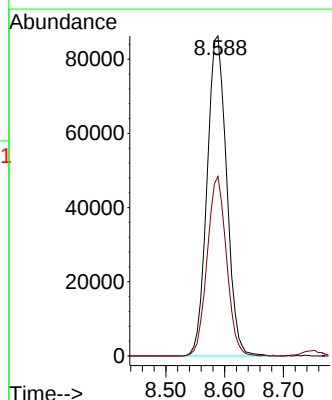
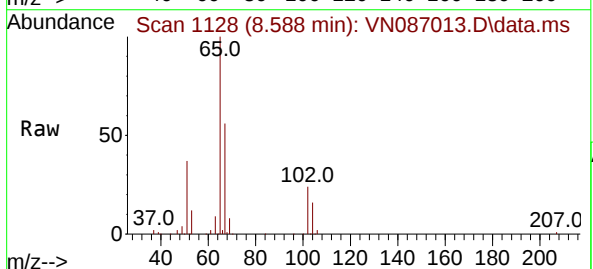
Manual Integrations
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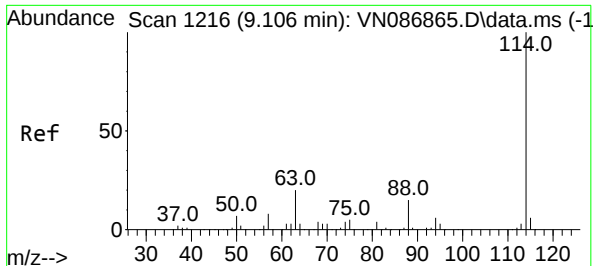
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#33
1,2-Dichloroethane-d4
Concen: 53.778 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087013.D
Acq: 13 Jun 2025 19:29

Tgt Ion: 65 Resp: 199612
Ion Ratio Lower Upper
65 100
67 55.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087013.D

Acq: 13 Jun 2025 19:29

Instrument :

MSVOA_N

ClientSampleId :

MW-3-20250605DL

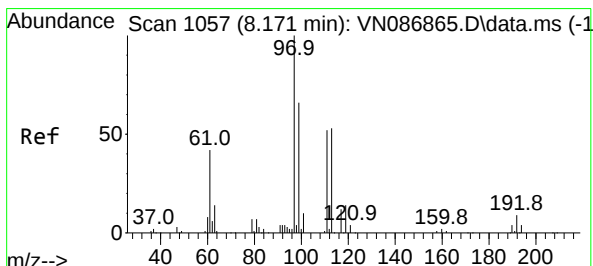
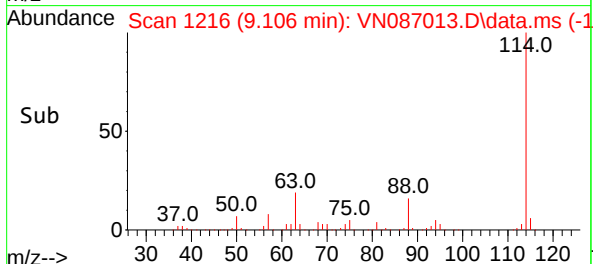
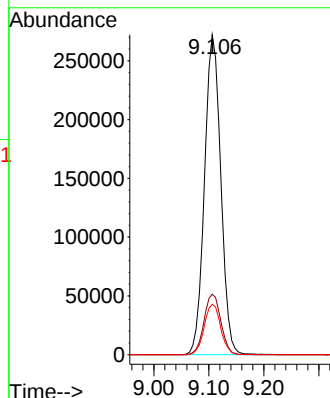
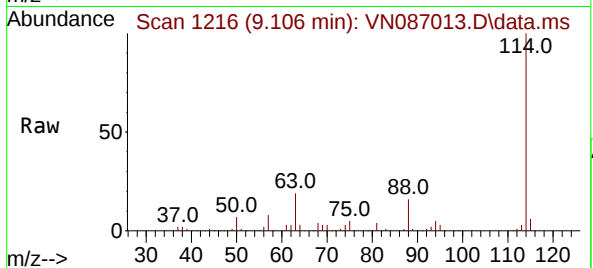
Tgt Ion:	114	Resp:	560539
Ion Ratio	Lower	Upper	
114	100		
63	18.9	0.0	39.6
88	15.7	0.0	30.2

Manual Integrations

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#35

Dibromofluoromethane

Concen: 50.990 ug/l

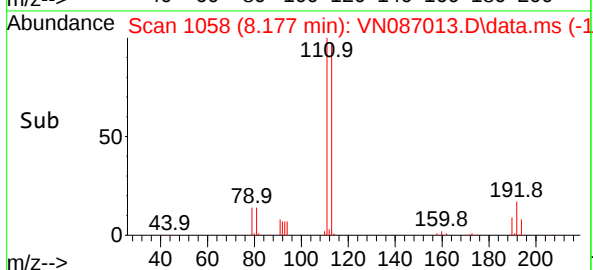
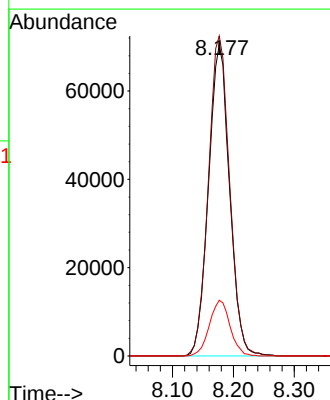
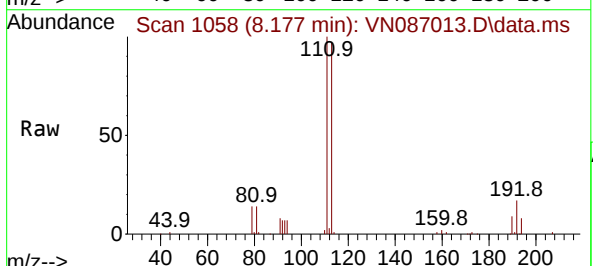
RT: 8.177 min Scan# 1058

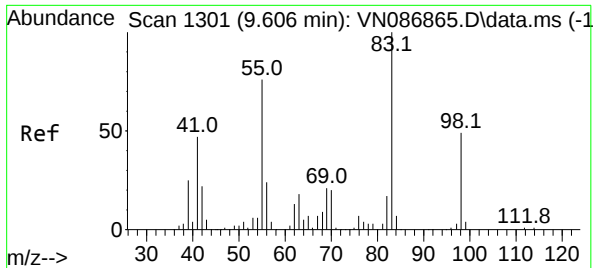
Delta R.T. 0.006 min

Lab File: VN087013.D

Acq: 13 Jun 2025 19:29

Tgt Ion:	113	Resp:	169384
Ion Ratio	Lower	Upper	
113	100		
111	103.6	84.2	126.2
192	17.6	14.2	21.4





#39

Methylcyclohexane

Concen: 0.520 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN087013.D

Acq: 13 Jun 2025 19:29

Instrument :

MSVOA_N

ClientSampleId :

MW-3-20250605DL

Tgt Ion: 83 Resp: 3520

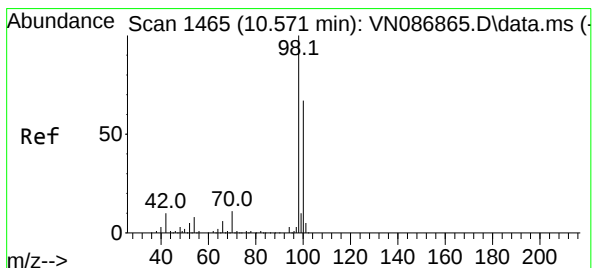
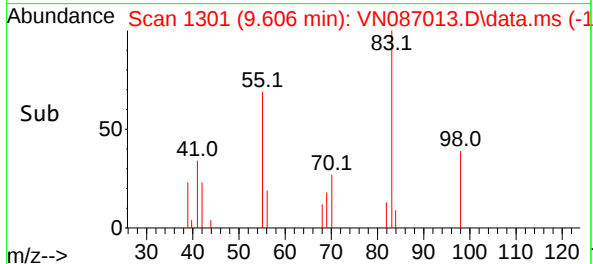
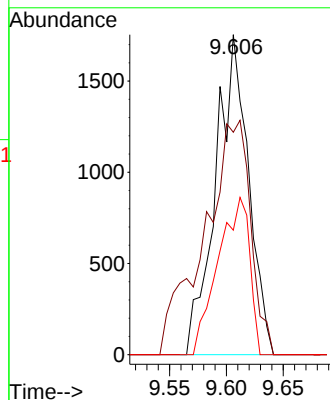
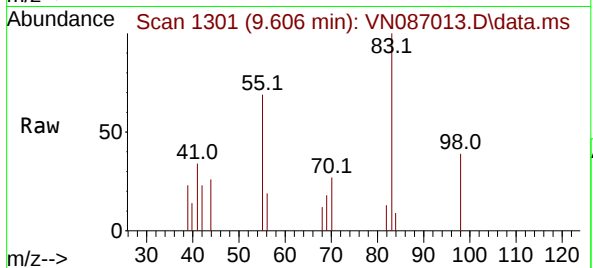
Ion	Ratio	Lower	Upper
83	100		
55	69.5	61.0	91.6
98	38.9	38.9	58.3

Manual Integrations

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Supervised By :Mahesh Dadoda 06/16/2025



#50

Toluene-d8

Concen: 52.373 ug/l

RT: 10.571 min Scan# 1465

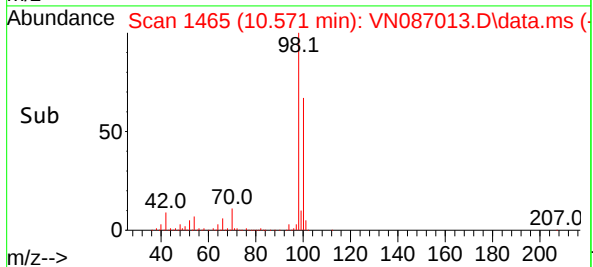
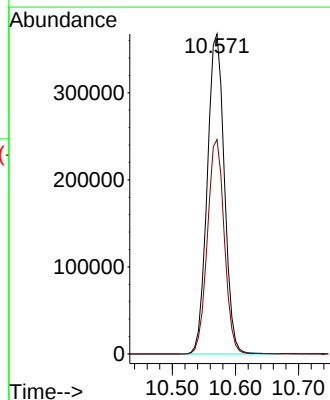
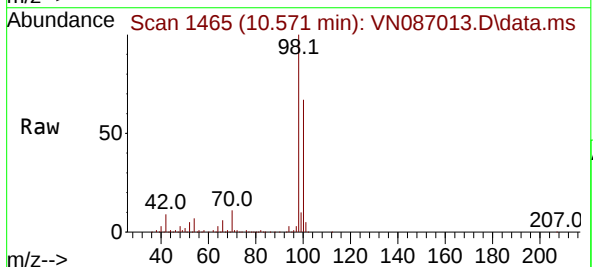
Delta R.T. 0.000 min

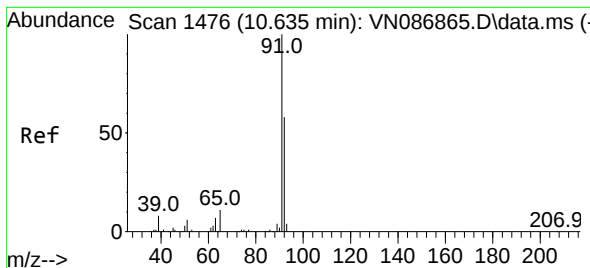
Lab File: VN087013.D

Acq: 13 Jun 2025 19:29

Tgt Ion: 98 Resp: 688735

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.4	80.0





#52

Toluene

Concen: 11.770 ug/l

RT: 10.630 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VN087013.D

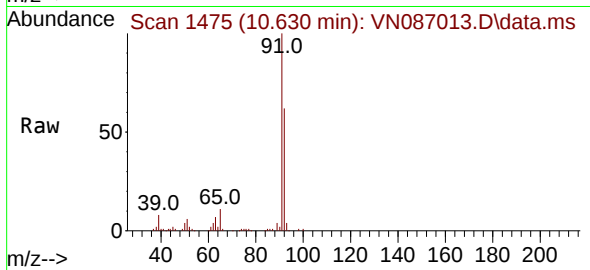
Acq: 13 Jun 2025 19:29

Instrument :

MSVOA_N

ClientSampleId :

MW-3-20250605DL



Tgt Ion: 92 Resp: 11642

Ion Ratio Lower Upper

92 100

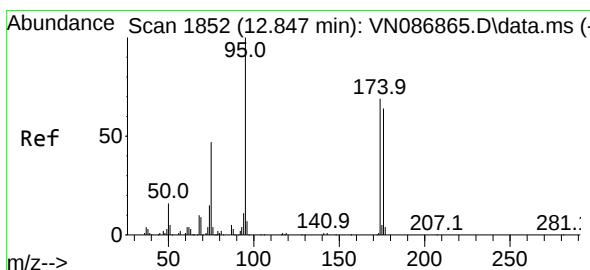
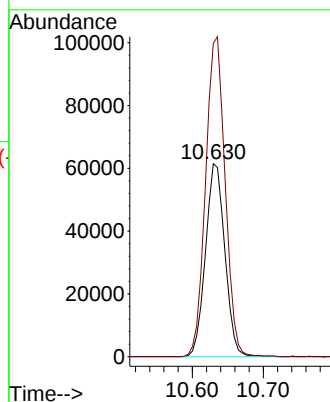
91 167.5 136.5 204.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/16/2025

Supervised By :Mahesh Dadoda 06/16/2025



#62

4-Bromofluorobenzene

Concen: 51.172 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN087013.D

Acq: 13 Jun 2025 19:29

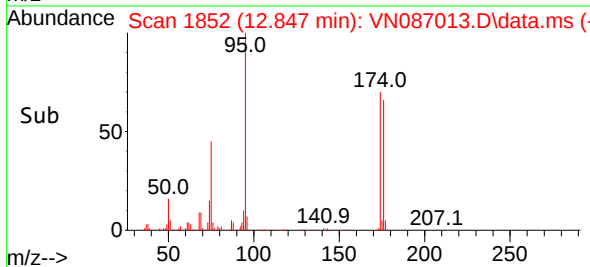
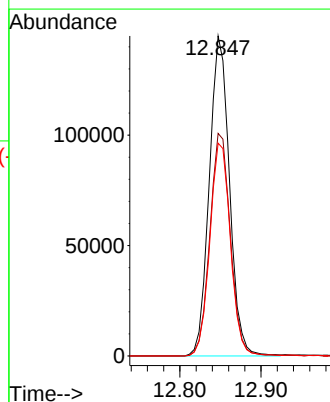
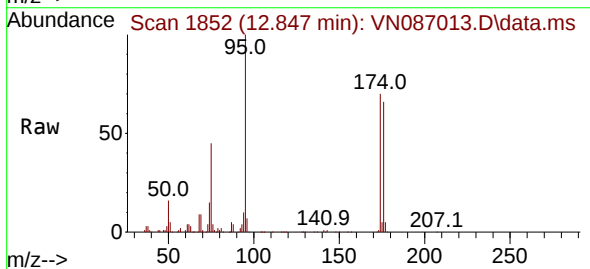
Tgt Ion: 95 Resp: 250017

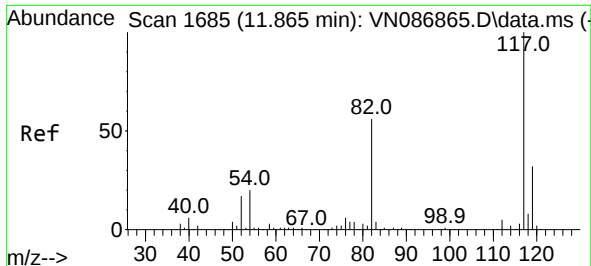
Ion Ratio Lower Upper

95 100

174 71.2 0.0 141.8

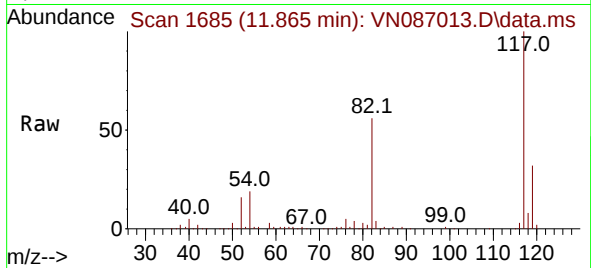
176 67.7 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087013.D
Acq: 13 Jun 2025 19:29

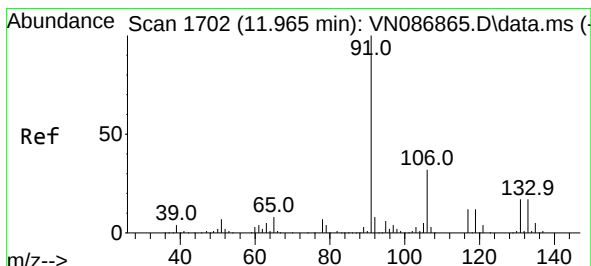
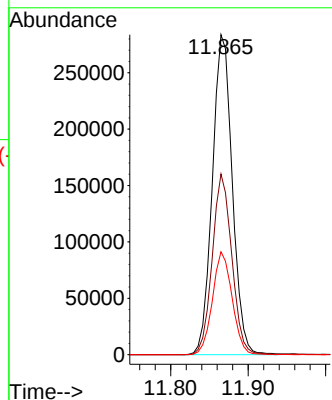
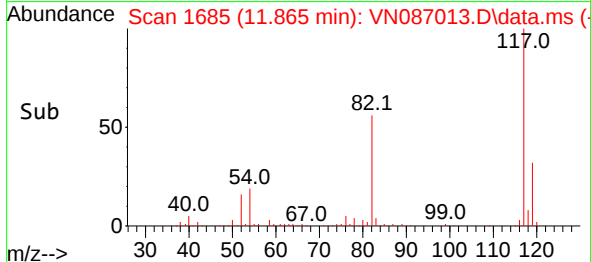
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605DL



Tgt Ion: 117 Resp: 50757
Ion Ratio Lower Upper
117 100
82 56.4 44.6 67.0
119 32.1 25.5 38.3

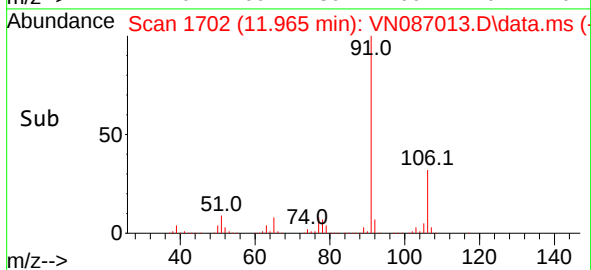
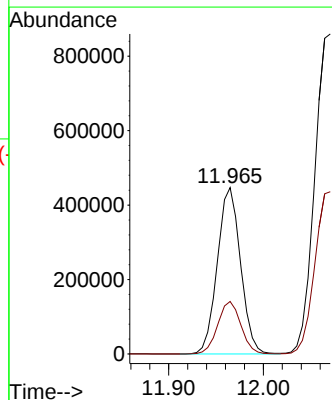
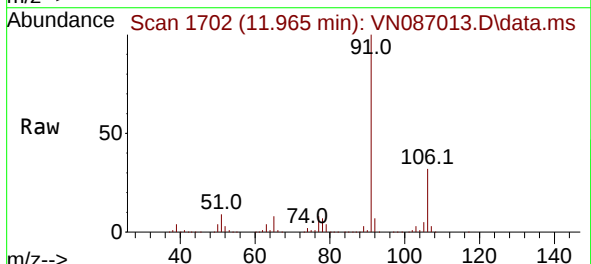
Manual Integrations
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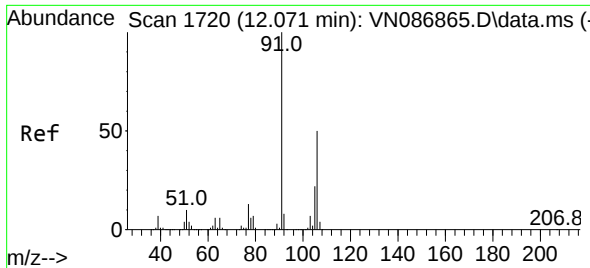
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#67
Ethyl Benzene
Concen: 39.505 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN087013.D
Acq: 13 Jun 2025 19:29

Tgt Ion: 91 Resp: 761762
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2





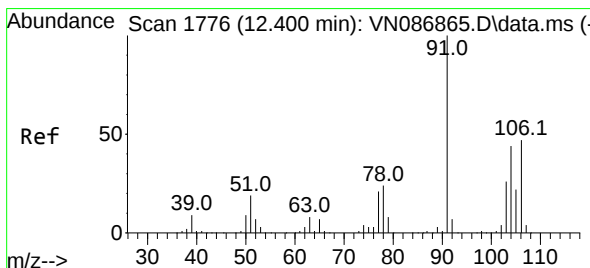
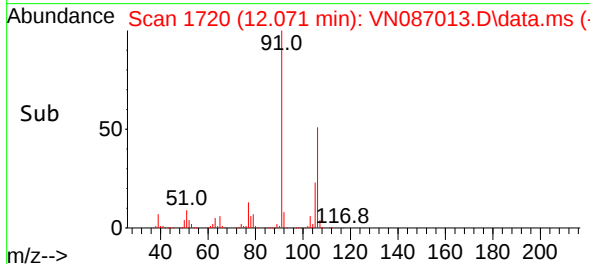
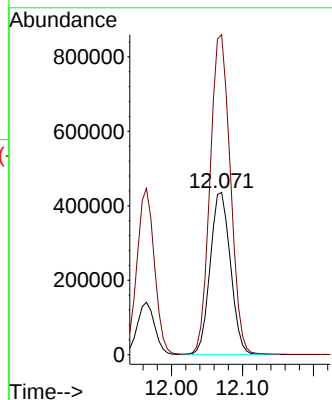
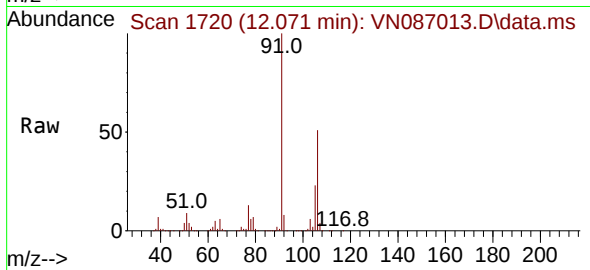
#68
m/p-Xylenes
Concen: 116.939 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN087013.D
Acq: 13 Jun 2025 19:29

Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605DL

Tgt Ion:106 Resp: 863174
Ion Ratio Lower Upper
106 100
91 197.9 159.4 239.0

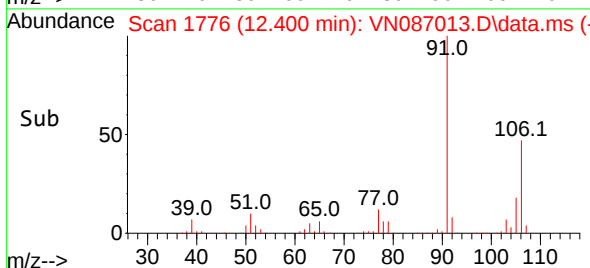
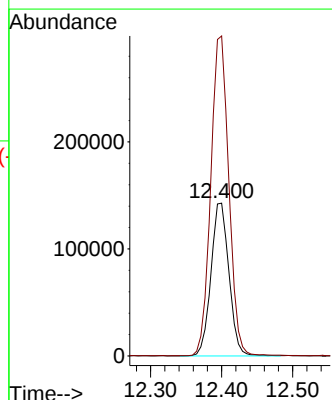
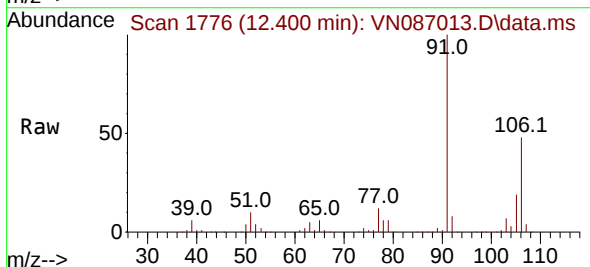
Manual Integrations
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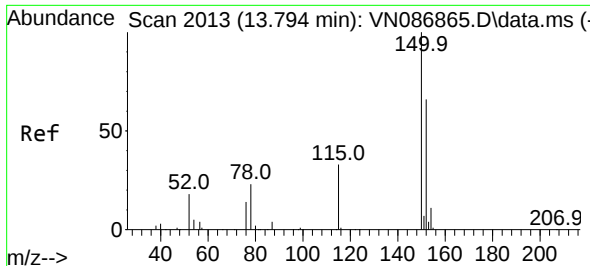
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#69
o-Xylene
Concen: 35.477 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN087013.D
Acq: 13 Jun 2025 19:29

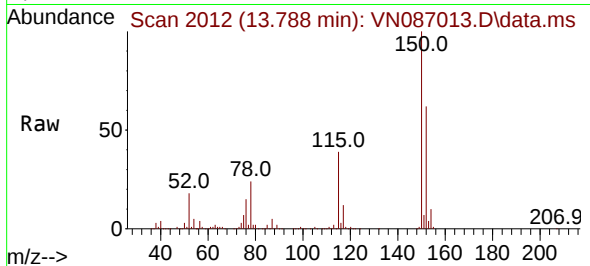
Tgt Ion:106 Resp: 250807
Ion Ratio Lower Upper
106 100
91 210.0 106.1 318.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN087013.D
Acq: 13 Jun 2025 19:29

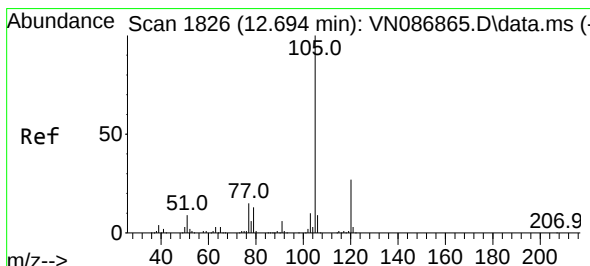
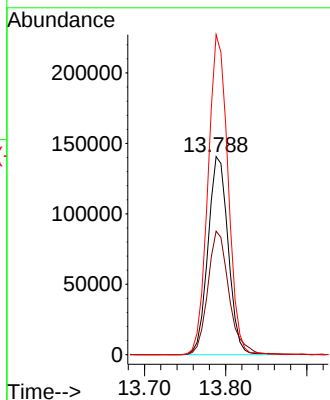
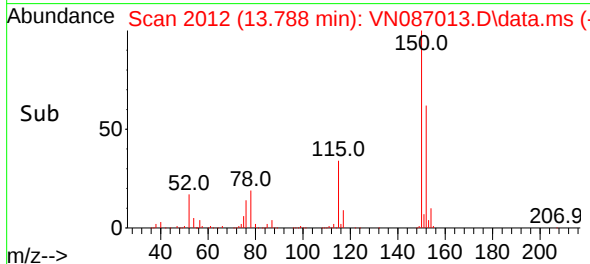
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605DL



Tgt Ion:152 Resp: 242990
Ion Ratio Lower Upper
152 100
115 65.8 30.1 90.5
150 160.4 0.0 345.0

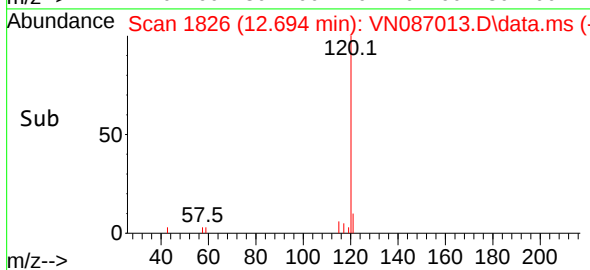
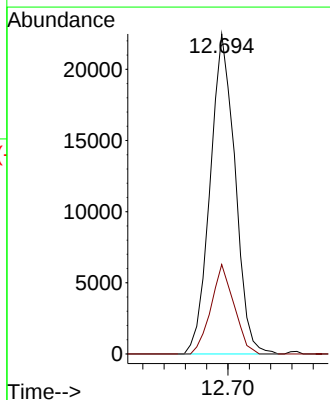
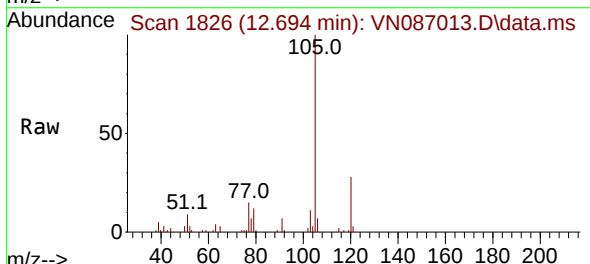
Manual Integrations
APPROVED

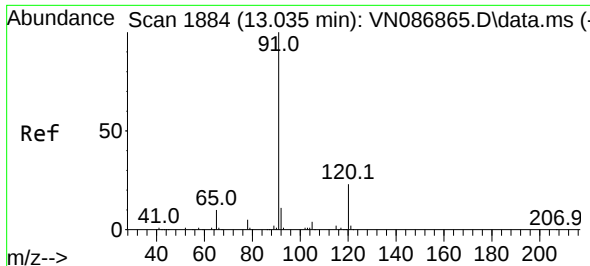
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#73
Isopropylbenzene
Concen: 2.062 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN087013.D
Acq: 13 Jun 2025 19:29

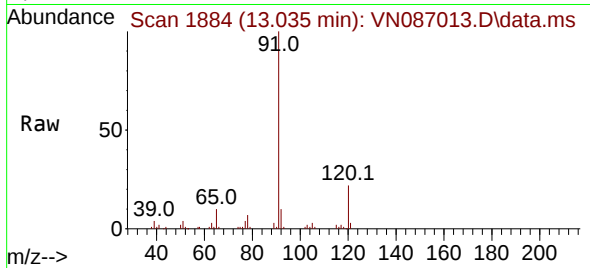
Tgt Ion:105 Resp: 36503
Ion Ratio Lower Upper
105 100
120 25.9 13.5 40.4





#78
n-propylbenzene
Concen: 4.480 ug/l
RT: 13.035 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087013.D
Acq: 13 Jun 2025 19:29

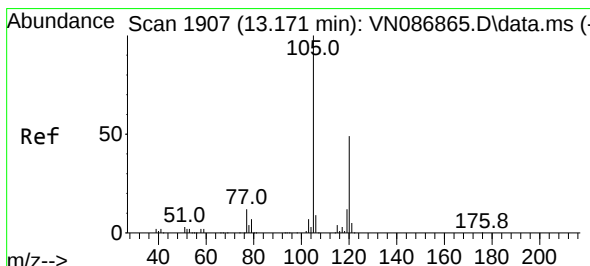
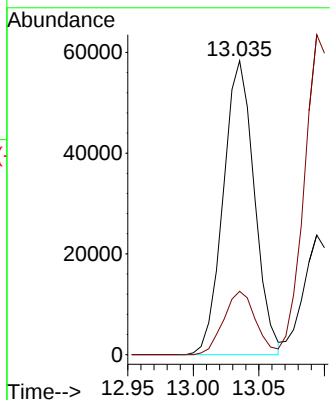
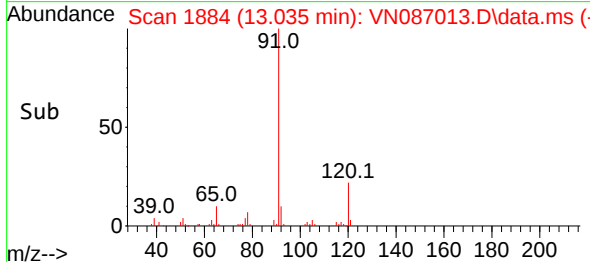
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605DL



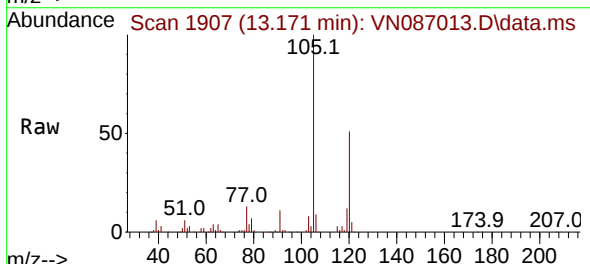
Tgt Ion: 91 Resp: 9636
Ion Ratio Lower Upper
91 100
120 22.3 11.4 34.2

Manual Integrations
APPROVED

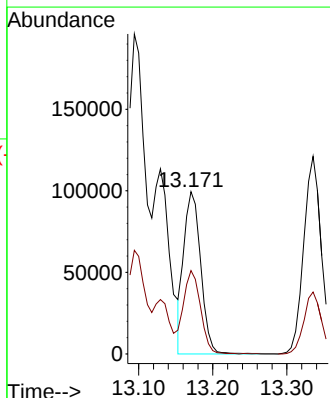
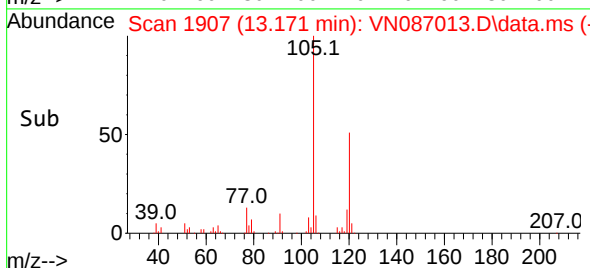
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

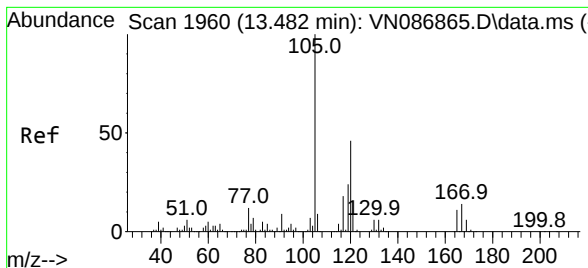


#80
1,3,5-Trimethylbenzene
Concen: 10.816 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN087013.D
Acq: 13 Jun 2025 19:29



Tgt Ion:105 Resp: 158077
Ion Ratio Lower Upper
105 100
120 53.4 24.9 74.6





#84

1,2,4-Trimethylbenzene

Concen: 60.821 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN087013.D

Acq: 13 Jun 2025 19:29

Instrument :

MSVOA_N

ClientSampleId :

MW-3-20250605DL

Tgt Ion:105 Resp: 891372

Ion Ratio Lower Upper

105 100

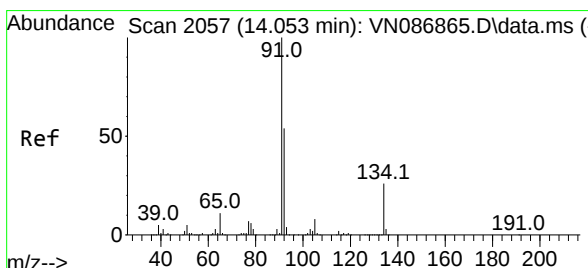
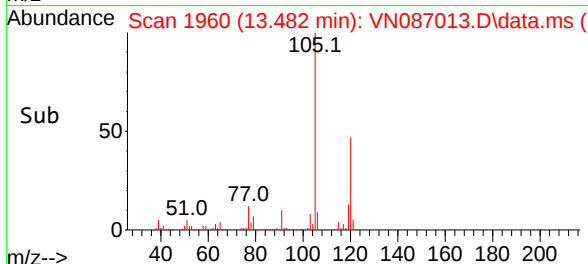
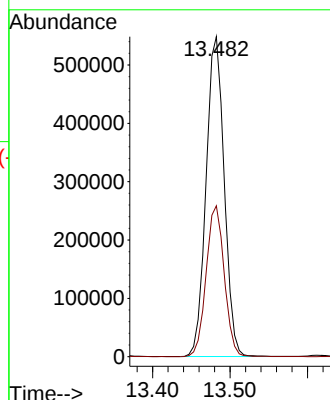
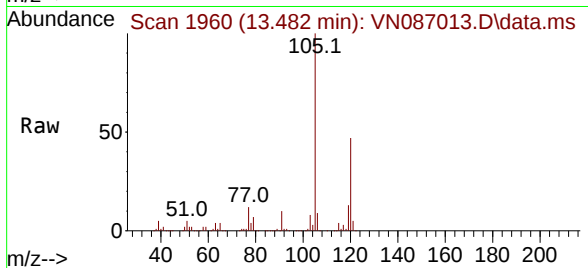
120 47.1 23.2 69.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/16/2025

Supervised By :Mahesh Dadoda 06/16/2025



#89

n-Butylbenzene

Concen: 0.340 ug/l m

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN087013.D

Acq: 13 Jun 2025 19:29

Tgt Ion: 91 Resp: 5296

Ion Ratio Lower Upper

91 100

92 89.0 27.5 82.4#

134 0.0 13.0 39.0#

