

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086936.D
 Acq On : 10 Jun 2025 17:52
 Operator : JC\MD
 Sample : Q2202-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-20250603

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:59:07 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	8.229	168	311388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	590517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	527900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	243200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	205090	49.192	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.380%		
35) Dibromofluoromethane	8.177	113	173546	49.591	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.180%		
50) Toluene-d8	10.570	98	728513	52.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.180%		
62) 4-Bromofluorobenzene	12.847	95	258496	50.222	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.440%		
Target Compounds					Qvalue	
16) Acetone	4.459	43	7399	3.347	ug/l	97
17) Carbon Disulfide	4.912	76	187329m	19.540	ug/l	
19) Methyl tert-butyl Ether	5.818	73	14936	1.190	ug/l	100
39) Methylcyclohexane	9.606	83	132500	18.546	ug/l	97
40) Benzene	8.612	78	69965	4.103	ug/l	98
44) Trichloroethene	9.353	130	2285	0.565	ug/l	82
52) Toluene	10.629	92	19587	1.880	ug/l	98
67) Ethyl Benzene	11.965	91	4773607	238.027	ug/l	99
68) m/p-Xylenes	12.076	106	100615	13.106	ug/l	98
69) o-Xylene	12.394	106	99311	13.507	ug/l	99
73) Isopropylbenzene	12.694	105	1163525	65.671	ug/l	100
78) n-propylbenzene	13.035	91	1581524	73.453	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	382032	26.117	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	3488227	237.809	ug/l	99
85) sec-Butylbenzene	13.617	105	61249m	3.150	ug/l	
86) p-Isopropyltoluene	13.729	119	99906m	6.215	ug/l	
89) n-Butylbenzene	14.053	91	68270m	4.385	ug/l	

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

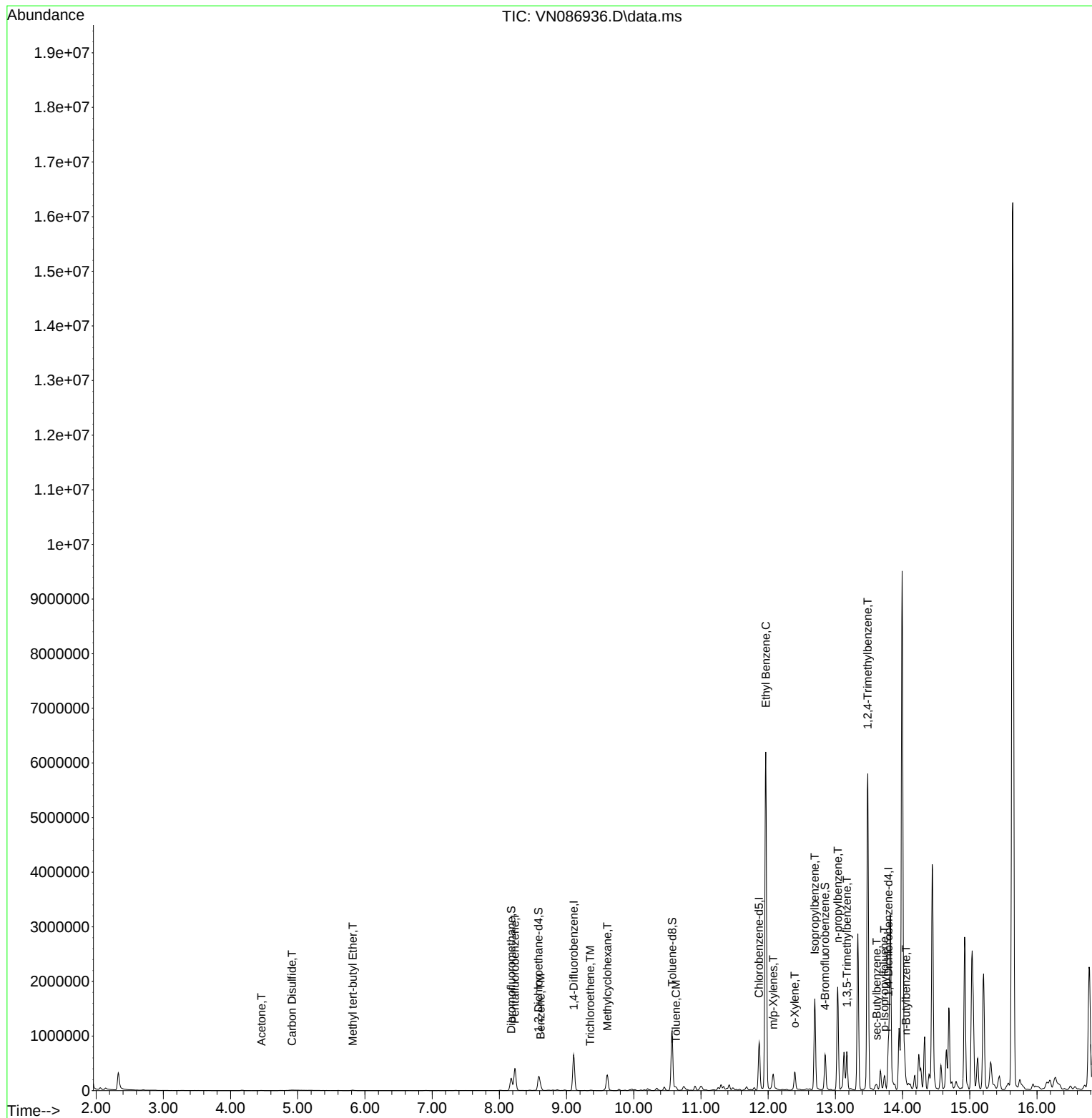
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
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Operator : JC\MD
Sample : Q2202-03
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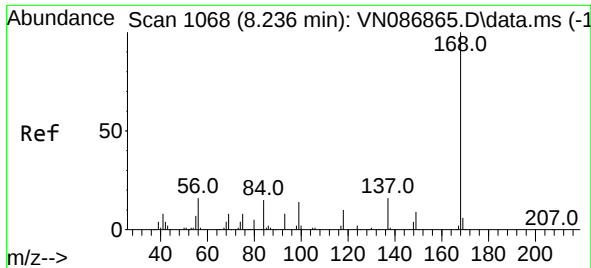
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Quant Time: Jun 11 01:59:07 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

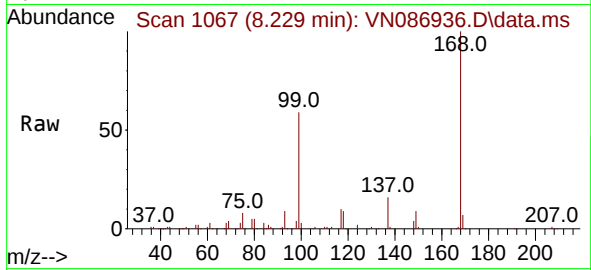
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

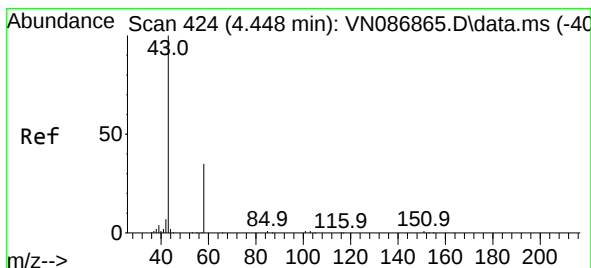
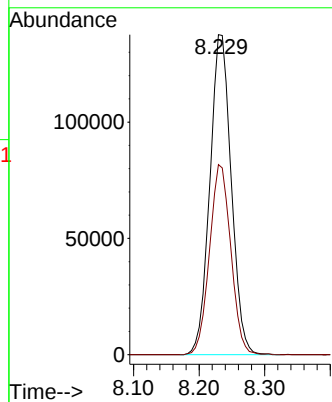
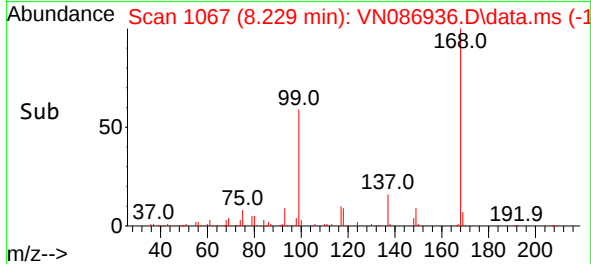
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



Tgt Ion:168 Resp: 31138
Ion Ratio Lower Upper
168 100
99 59.4 49.1 73.7

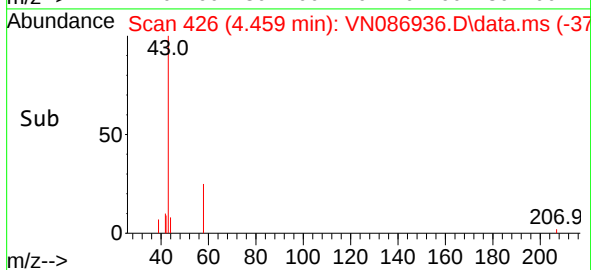
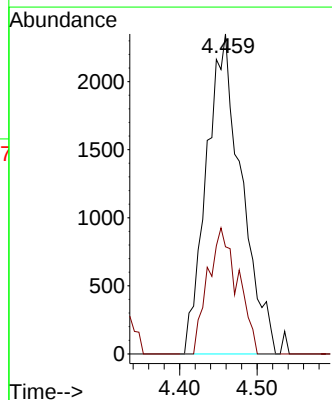
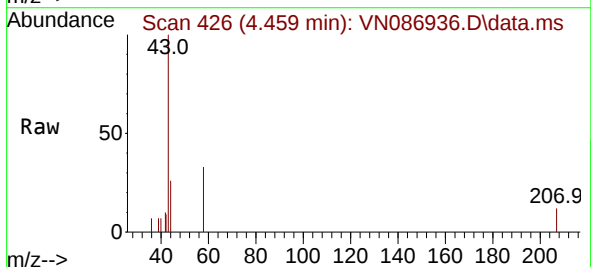
Manual Integrations
APPROVED

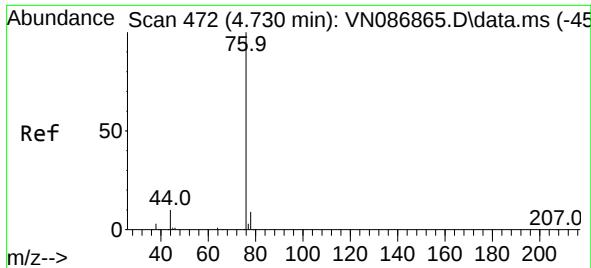
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#16
Acetone
Concen: 3.347 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

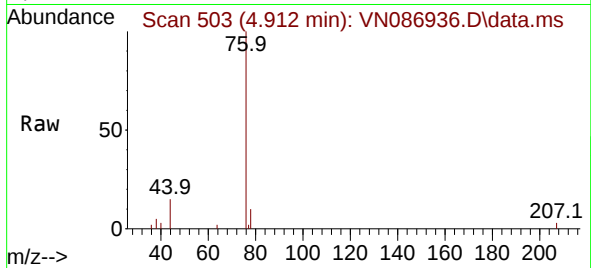
Tgt Ion: 43 Resp: 7399
Ion Ratio Lower Upper
43 100
58 33.5 28.0 42.0





#17
Carbon Disulfide
Concen: 19.540 ug/l m
RT: 4.912 min Scan# 503
Delta R.T. 0.182 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

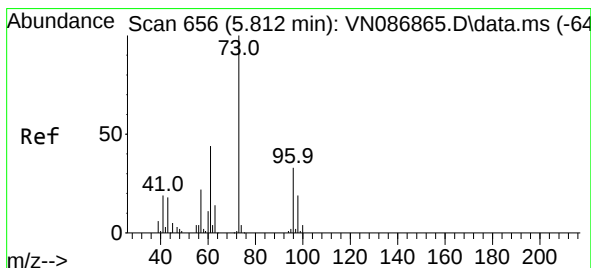
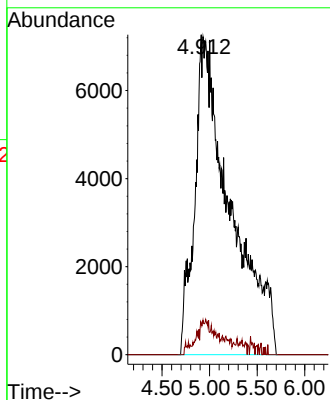
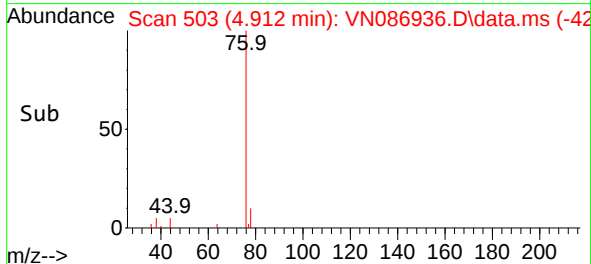
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



Tgt Ion: 76 Resp: 187329
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9

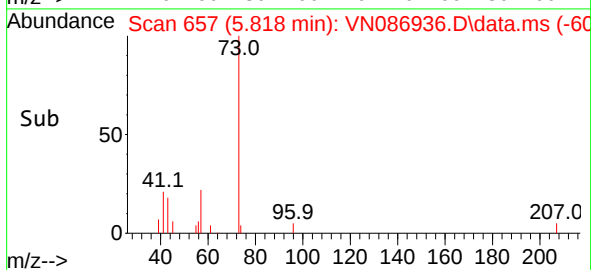
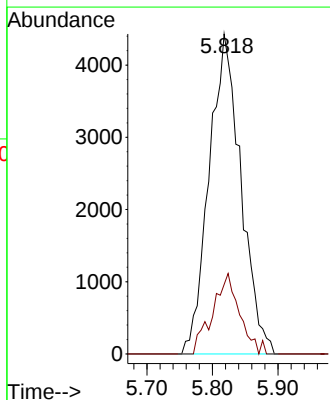
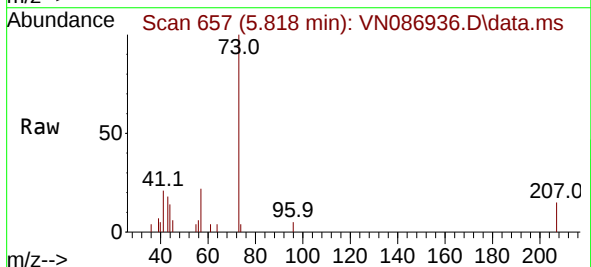
Manual Integrations
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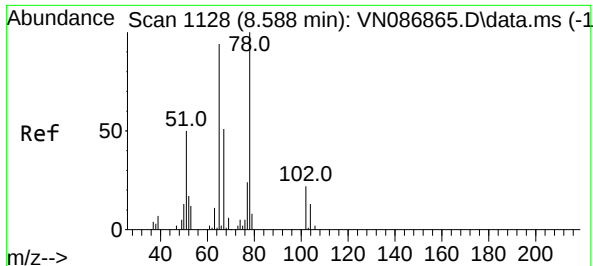
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#19
Methyl tert-butyl Ether
Concen: 1.190 ug/l
RT: 5.818 min Scan# 657
Delta R.T. 0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

Tgt Ion: 73 Resp: 14936
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2





#33

1,2-Dichloroethane-d4

Concen: 49.192 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN086936.D

Acq: 10 Jun 2025 17:52

Instrument :

MSVOA_N

ClientSampleId :

MW-12-20250603

Tgt Ion: 65 Resp: 205090

Ion Ratio Lower Upper

65 100

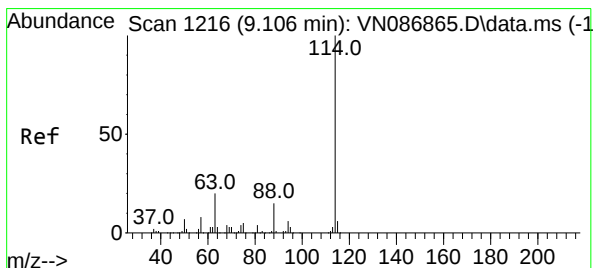
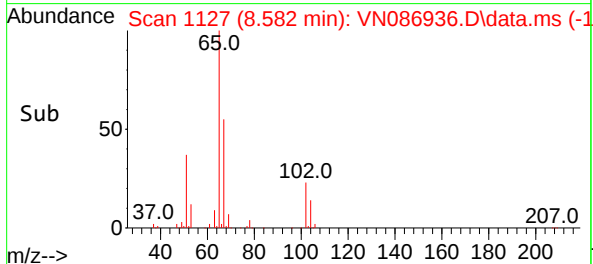
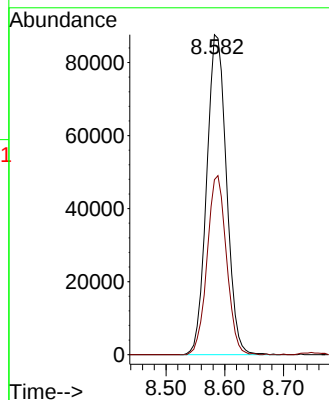
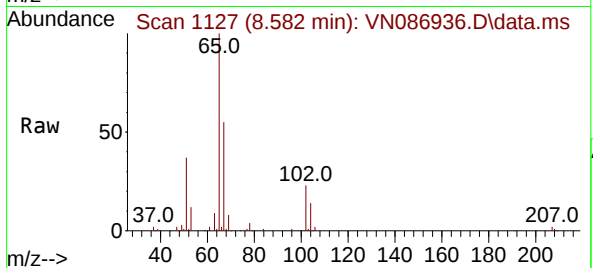
67 54.7 0.0 105.6

Manual Integrations

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Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086936.D

Acq: 10 Jun 2025 17:52

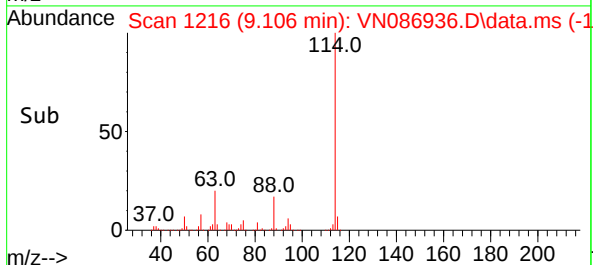
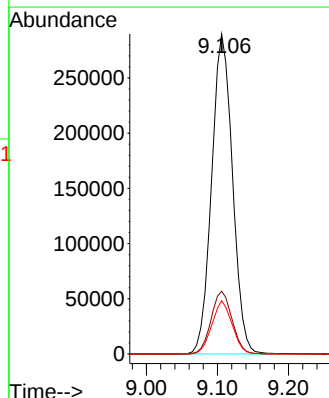
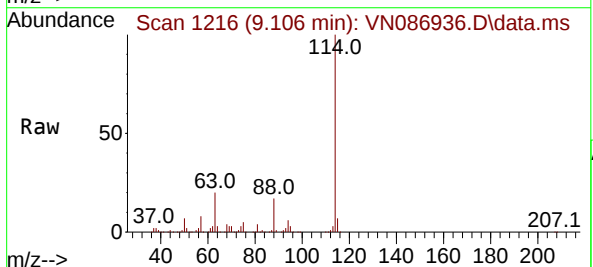
Tgt Ion:114 Resp: 590517

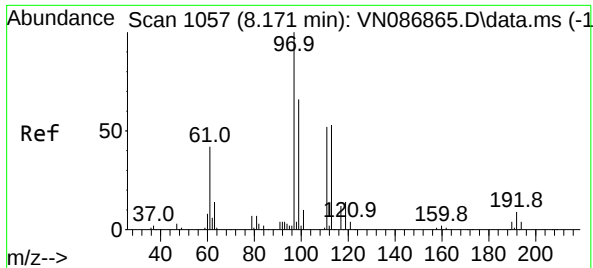
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

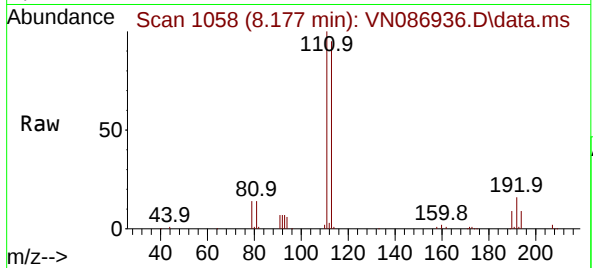
88 16.7 0.0 30.2





#35
Dibromofluoromethane
Concen: 49.591 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

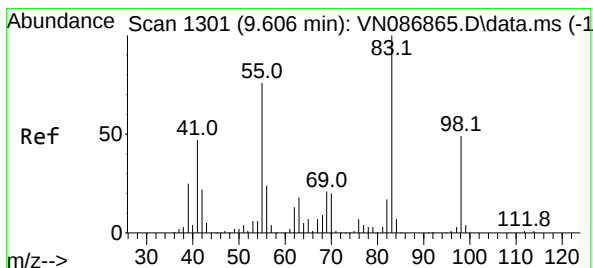
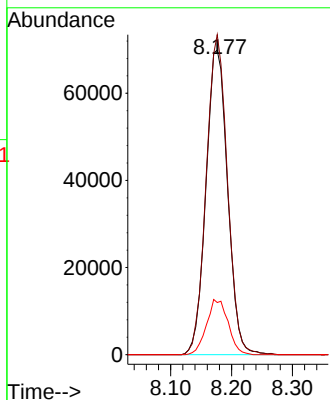
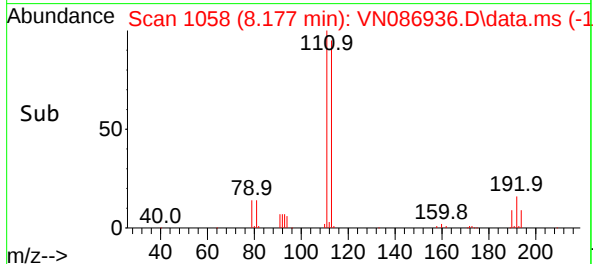
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



Tgt Ion: 113 Resp: 173540
Ion Ratio Lower Upper
113 100
111 102.3 84.2 126.2
192 18.0 14.2 21.4

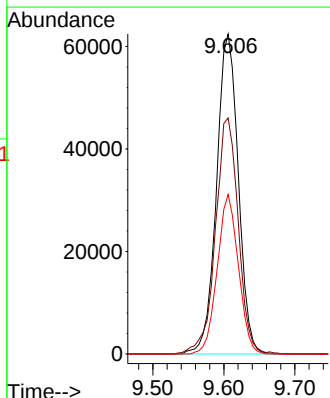
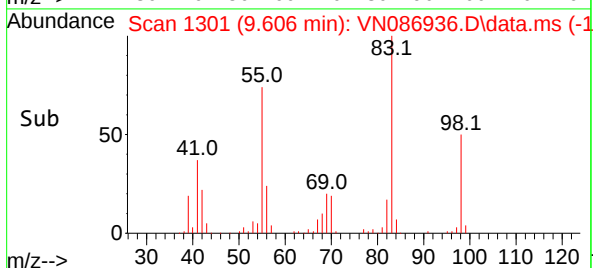
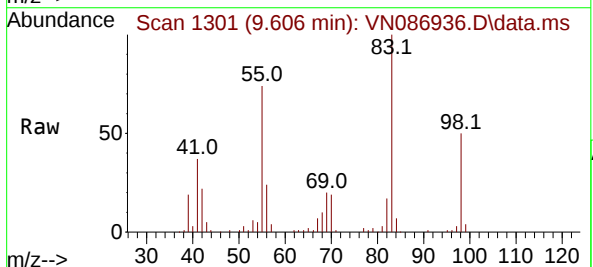
Manual Integrations
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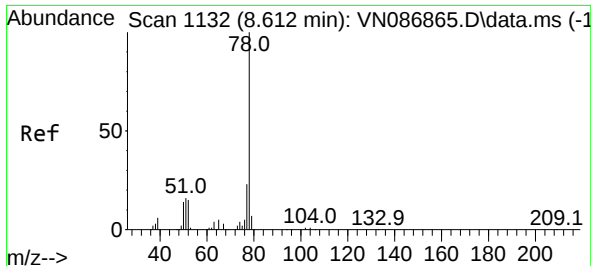
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#39
Methylcyclohexane
Concen: 18.546 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

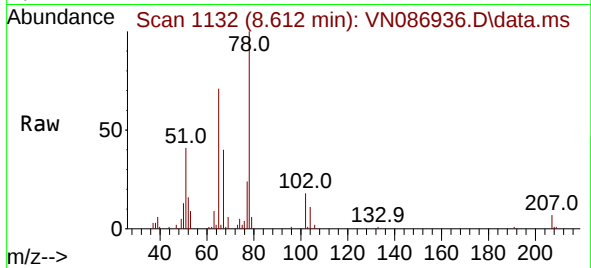
Tgt Ion: 83 Resp: 132500
Ion Ratio Lower Upper
83 100
55 73.5 61.0 91.6
98 49.9 38.9 58.3





#40
Benzene
Concen: 4.103 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

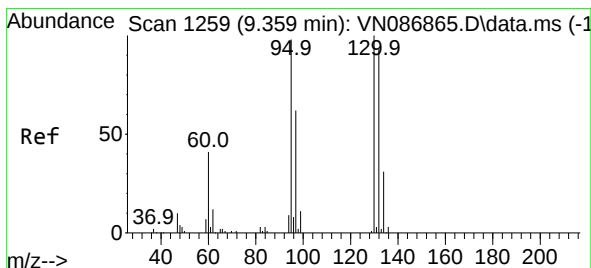
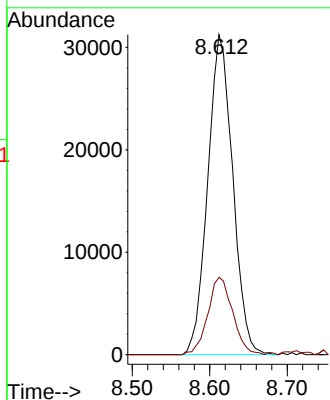
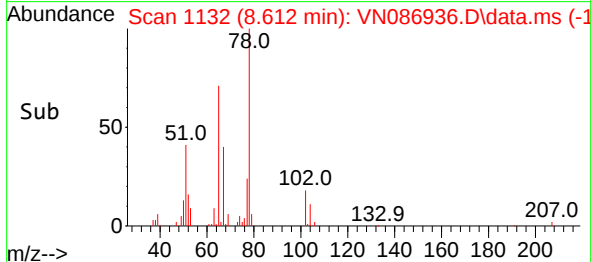
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



Tgt Ion: 78 Resp: 6996
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1

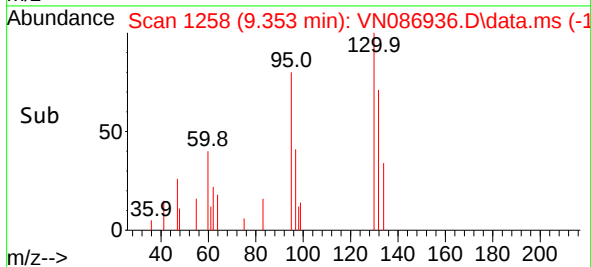
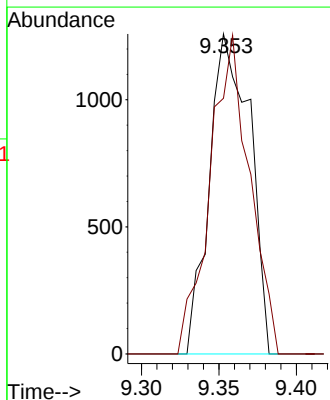
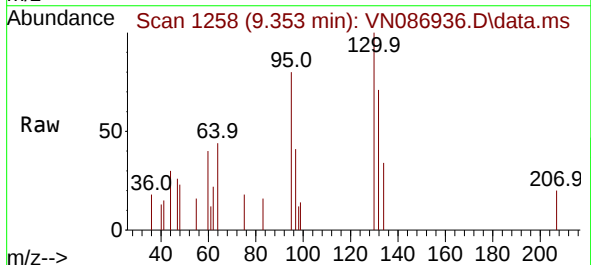
Manual Integrations
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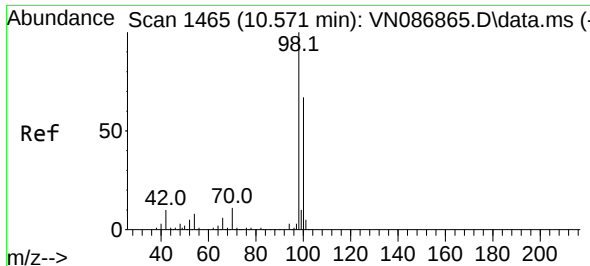
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#44
Trichloroethene
Concen: 0.565 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

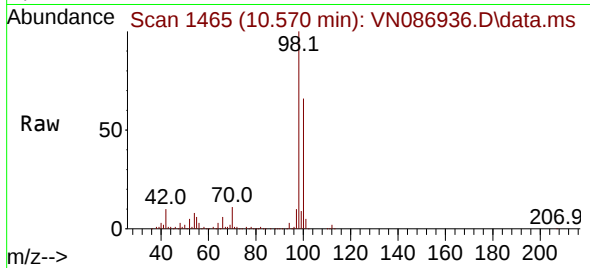
Tgt Ion:130 Resp: 2285
Ion Ratio Lower Upper
130 100
95 79.9 0.0 196.2





#50
Toluene-d8
Concen: 52.586 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

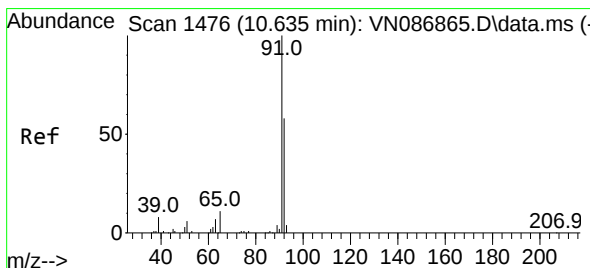
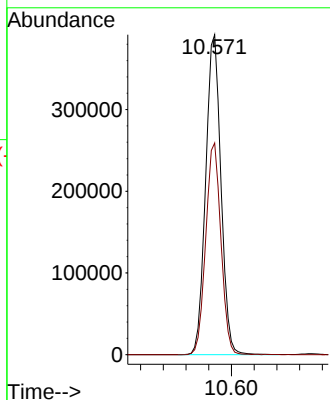
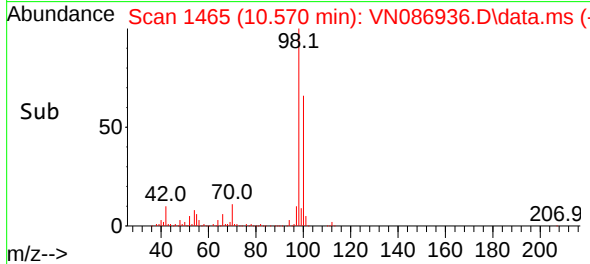
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MW-12-20250603



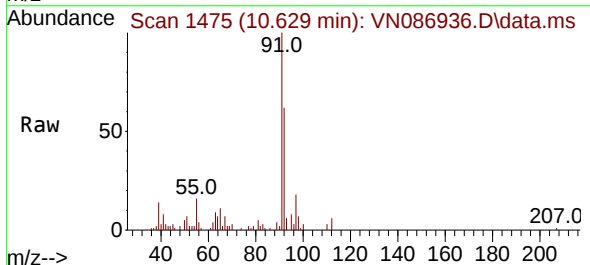
Tgt Ion: 98 Resp: 72851
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0

Manual Integrations
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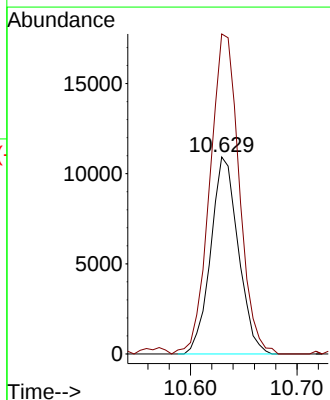
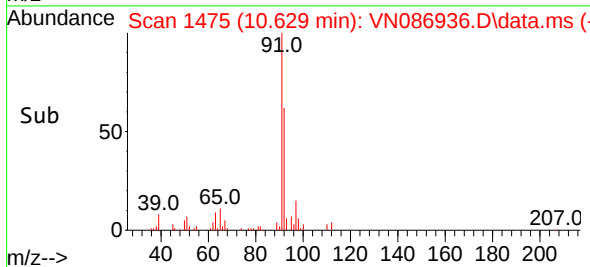
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

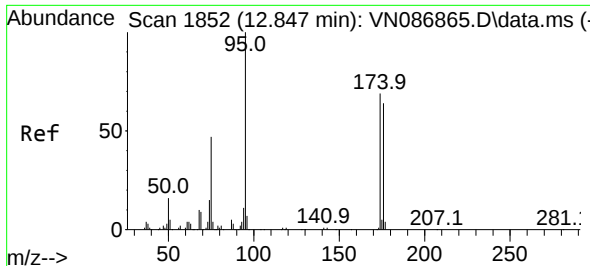


#52
Toluene
Concen: 1.880 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52



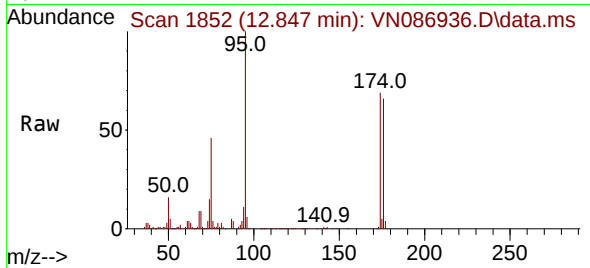
Tgt Ion: 92 Resp: 19587
Ion Ratio Lower Upper
92 100
91 173.2 136.5 204.7





#62
4-Bromofluorobenzene
Concen: 50.222 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

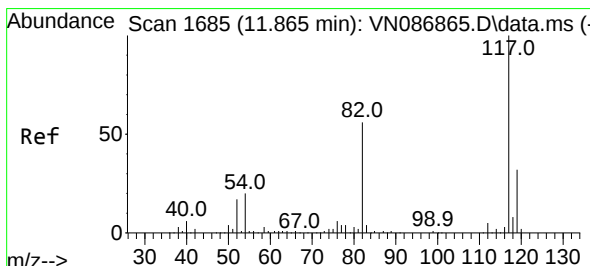
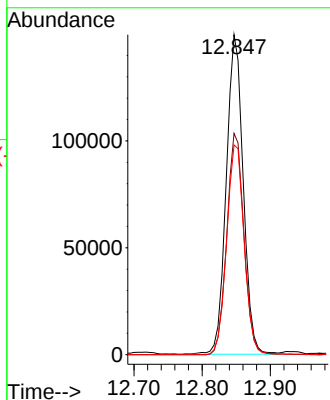
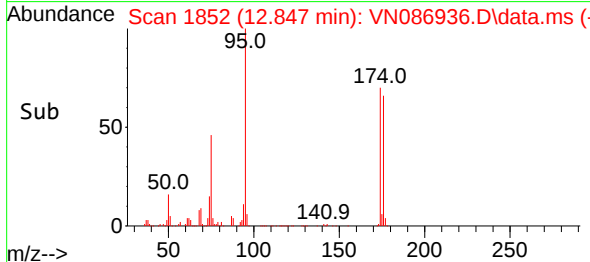
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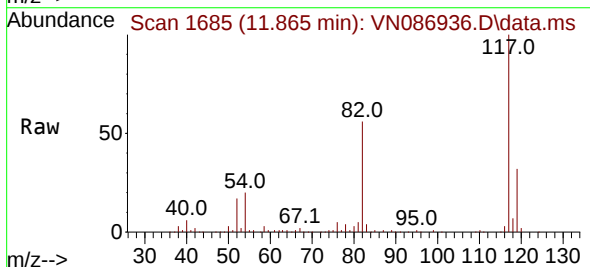
Tgt Ion: 95 Resp: 258490
Ion Ratio Lower Upper
95 100
174 70.2 0.0 141.8
176 67.5 0.0 132.6

Manual Integrations
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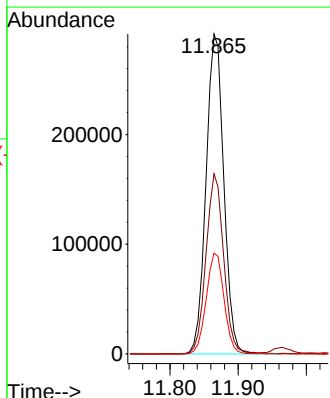
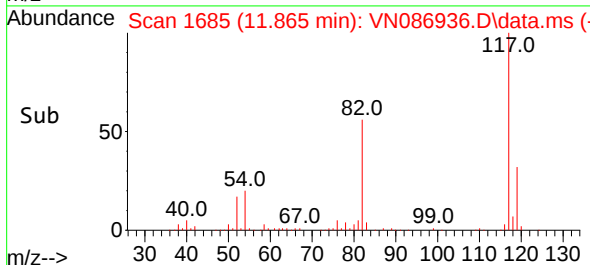
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

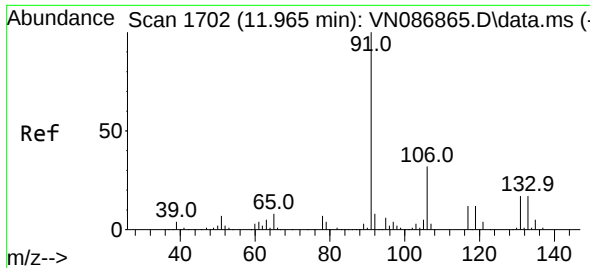


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52



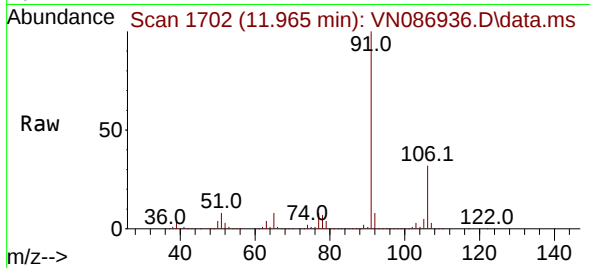
Tgt Ion:117 Resp: 527900
Ion Ratio Lower Upper
117 100
82 56.2 44.6 67.0
119 31.6 25.5 38.3





#67
Ethyl Benzene
Concen: 238.027 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

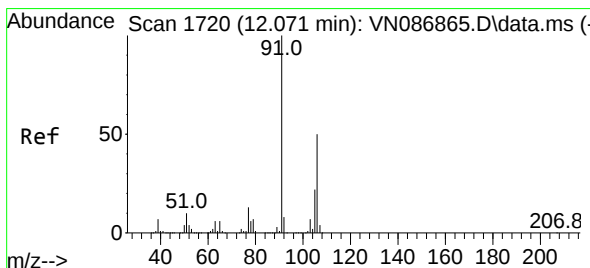
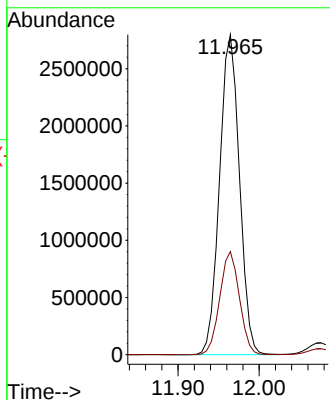
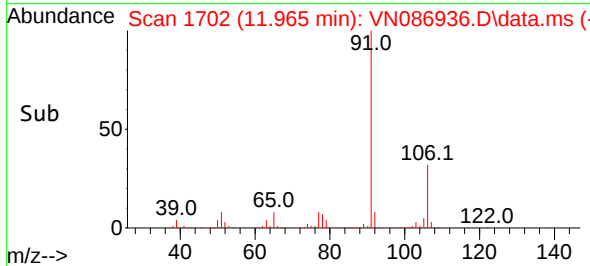
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



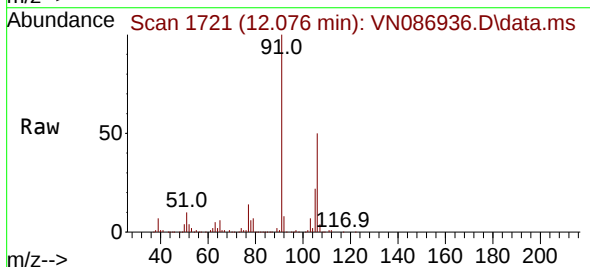
Tgt Ion: 91 Resp: 477360
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2

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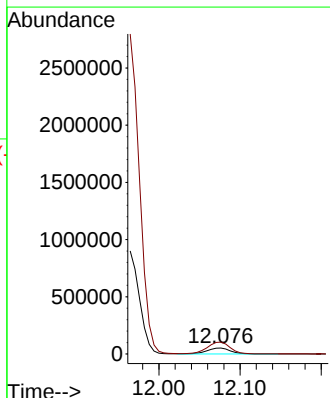
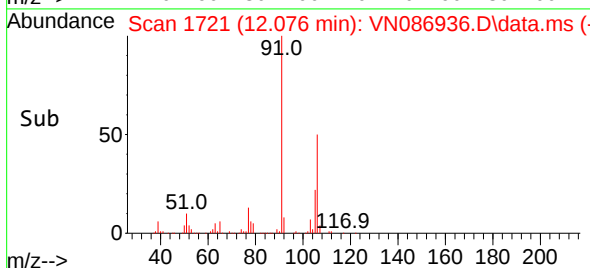
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

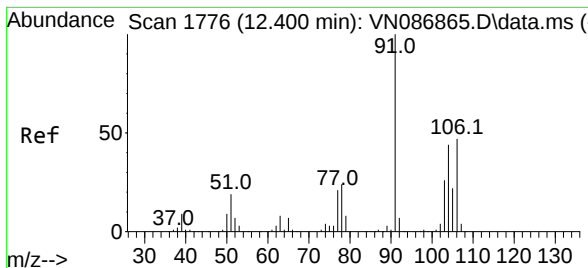


#68
m/p-Xylenes
Concen: 13.106 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52



Tgt Ion:106 Resp: 100615
Ion Ratio Lower Upper
106 100
91 202.3 159.4 239.0





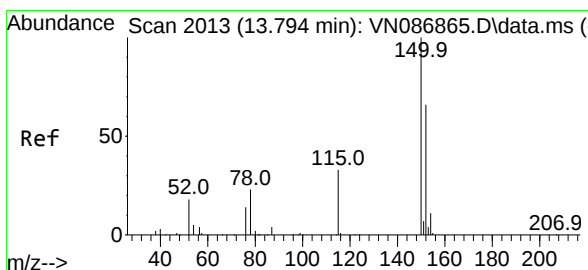
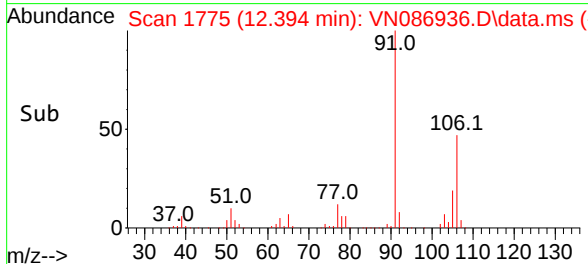
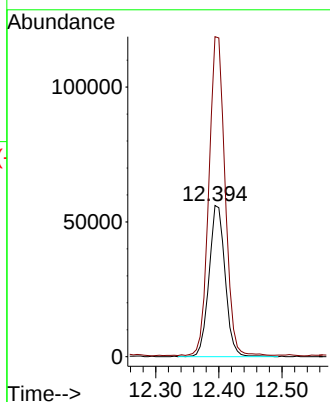
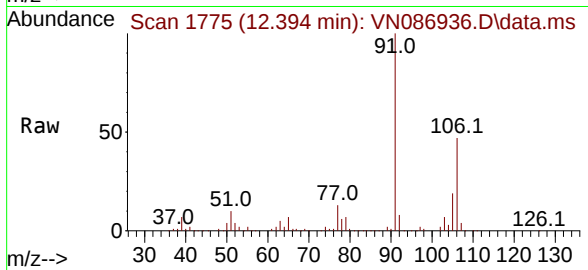
#69
o-Xylene
Concen: 13.507 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Tgt Ion:106 Resp: 9931
Ion Ratio Lower Upper
106 100
91 210.8 106.1 318.1

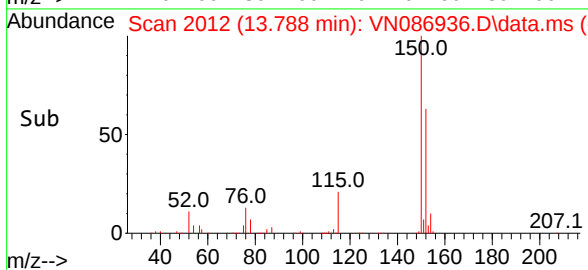
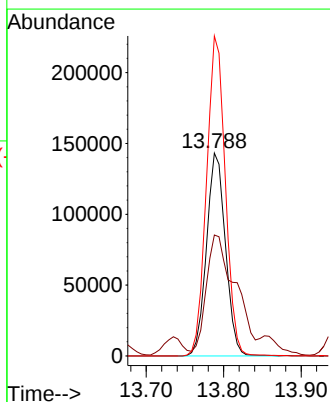
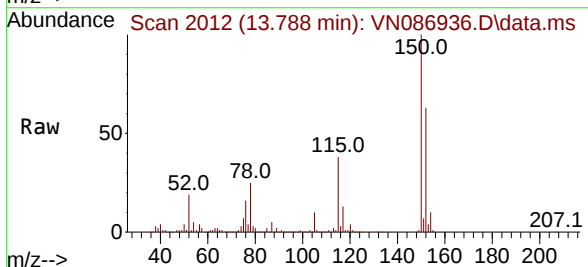
Manual Integrations
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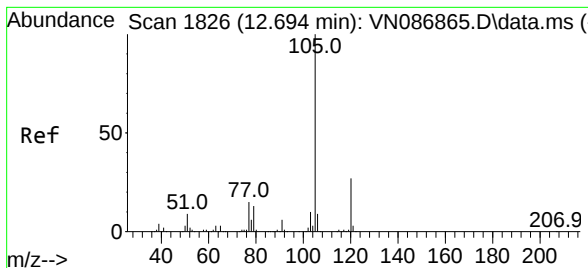
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

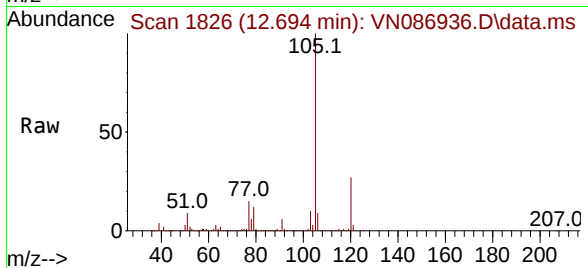
Tgt Ion:152 Resp: 243200
Ion Ratio Lower Upper
152 100
115 86.7 30.1 90.5
150 156.4 0.0 345.0





#73
Isopropylbenzene
Concen: 65.671 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

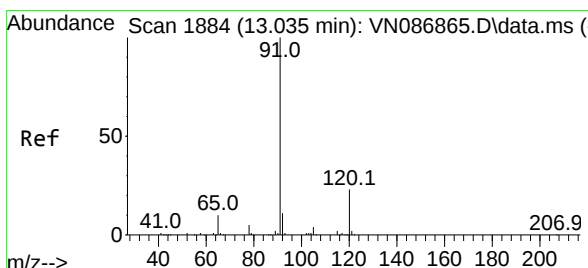
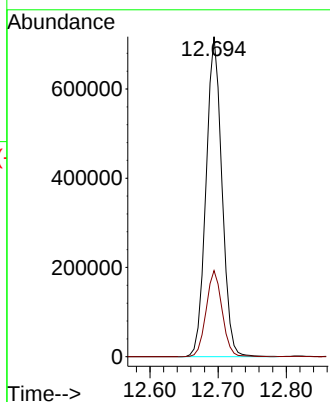
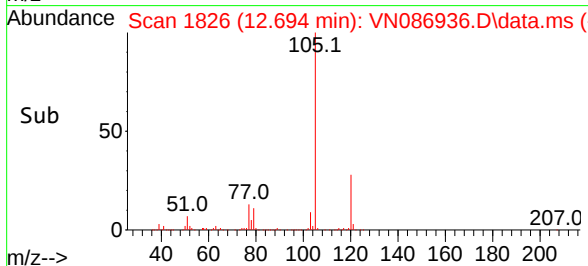
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



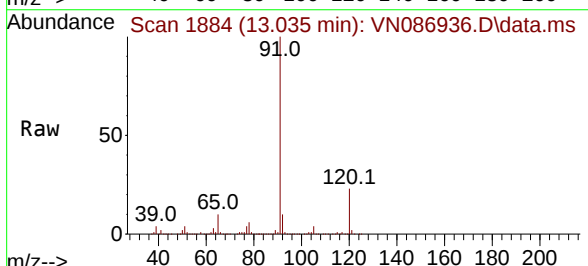
Tgt Ion:105 Resp: 116352
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4

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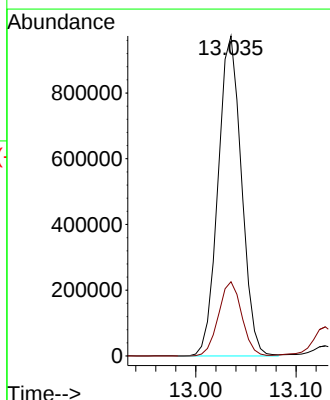
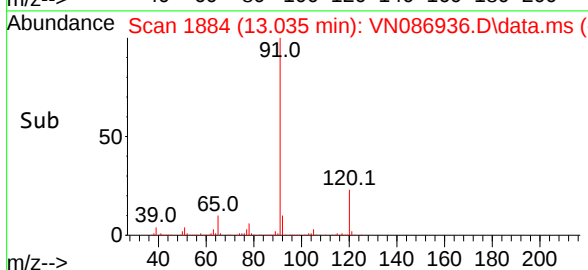
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

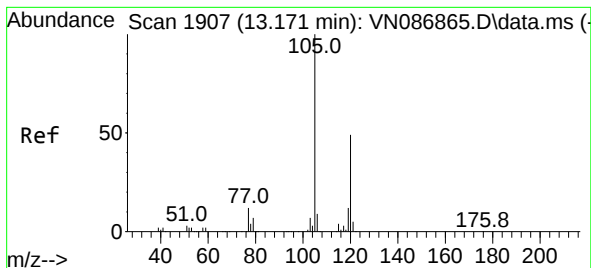


#78
n-propylbenzene
Concen: 73.453 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52



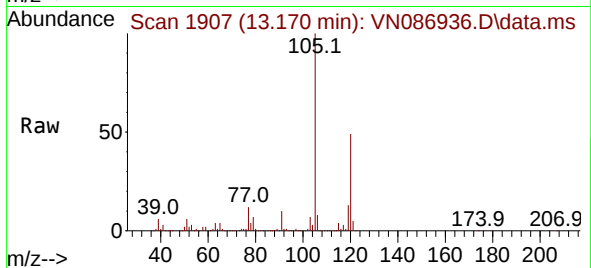
Tgt Ion: 91 Resp: 1581524
Ion Ratio Lower Upper
91 100
120 23.0 11.4 34.2





#80
1,3,5-Trimethylbenzene
Concen: 26.117 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

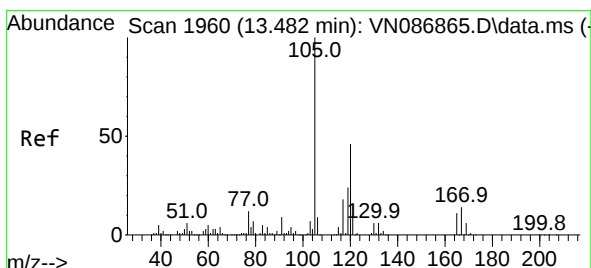
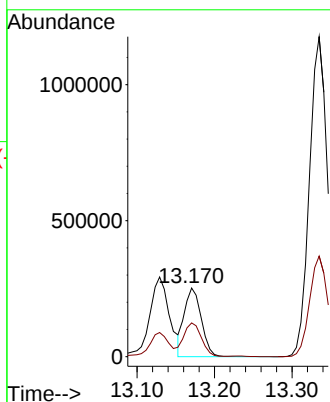
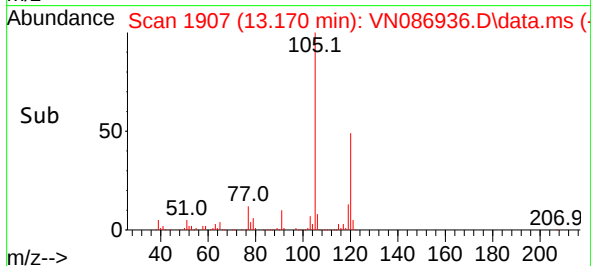
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



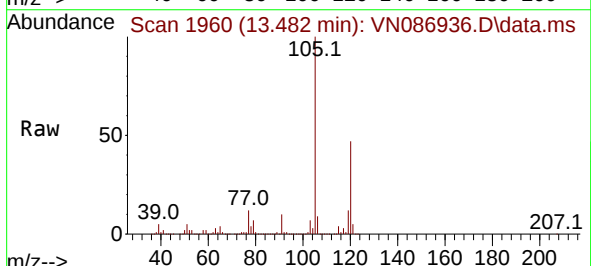
Tgt Ion:105 Resp: 382032
Ion Ratio Lower Upper
105 100
120 52.5 24.9 74.6

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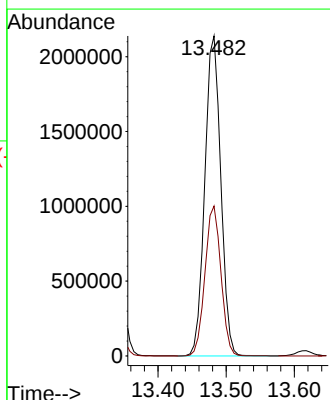
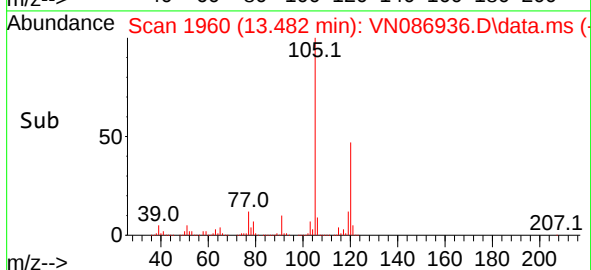
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

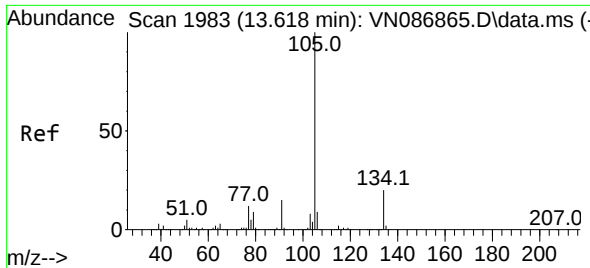


#84
1,2,4-Trimethylbenzene
Concen: 237.809 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52



Tgt Ion:105 Resp: 3488227
Ion Ratio Lower Upper
105 100
120 46.9 23.2 69.6





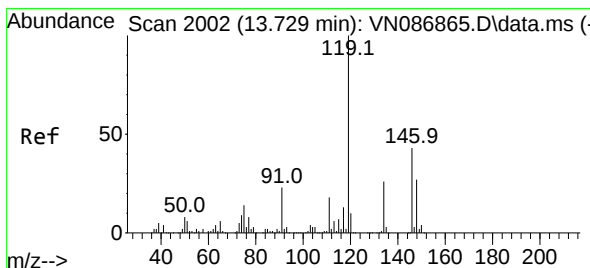
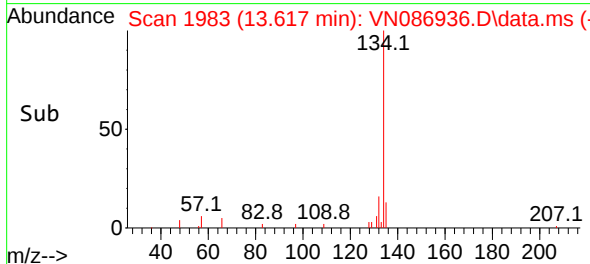
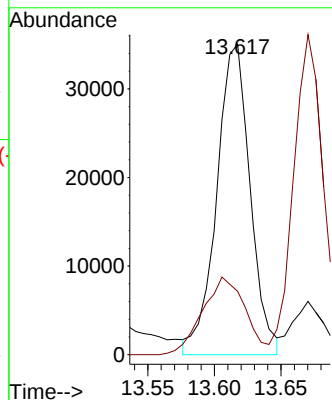
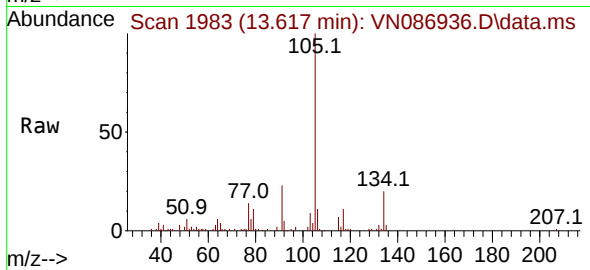
#85
 sec-Butylbenzene
 Concen: 3.150 ug/l m
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN086936.D
 Acq: 10 Jun 2025 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-20250603

Tgt Ion:105 Resp: 61249
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 30.0#

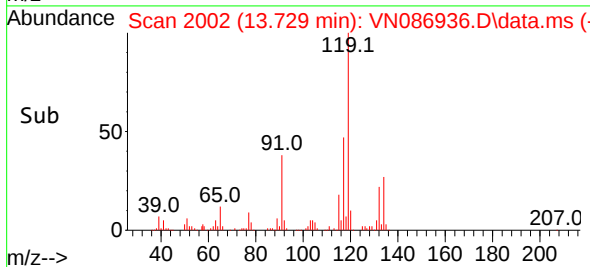
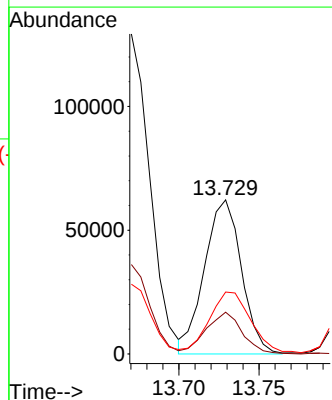
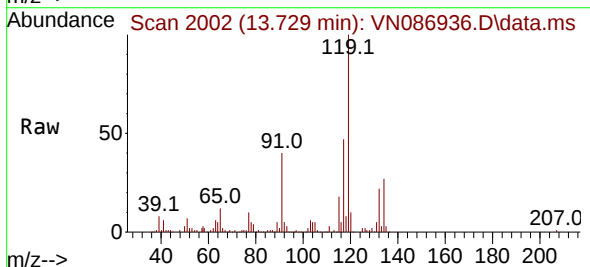
Manual Integrations
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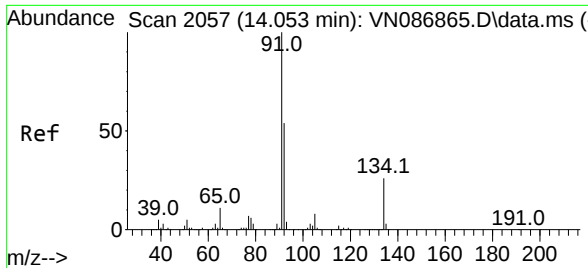
Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025



#86
 p-Isopropyltoluene
 Concen: 6.215 ug/l m
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN086936.D
 Acq: 10 Jun 2025 17:52

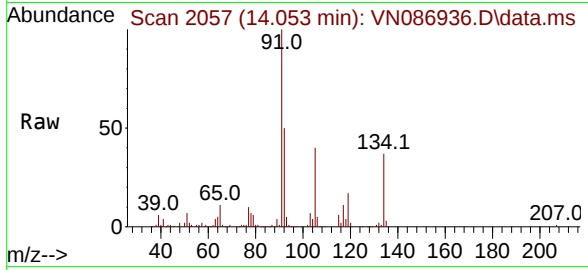
Tgt Ion:119 Resp: 99906
 Ion Ratio Lower Upper
 119 100
 134 55.7 13.5 40.4#
 91 42.8 11.5 34.4#





#89
 n-Butylbenzene
 Concen: 4.385 ug/l m
 RT: 14.053 min Scan# 2057
 Delta R.T. -0.000 min
 Lab File: VN086936.D
 Acq: 10 Jun 2025 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-20250603



Tgt Ion:	91	Resp:	68270
Ion	Ratio	Lower	Upper
91	100		
92	128.4	27.5	82.4
134	0.0	13.0	39.0

Manual Integrations
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Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025

