

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087111.D
 Acq On : 19 Jun 2025 15:03
 Operator : JC\MD
 Sample : Q2333-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Manual Integrations
 APPROVED

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

Quant Time: Jun 20 01:26:04 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	189269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	379701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	338791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153356	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	133053	52.505	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.020%			
35) Dibromofluoromethane	8.177	113	115113	51.157	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.320%			
50) Toluene-d8	10.565	98	462487	51.919	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.840%			
62) 4-Bromofluorobenzene	12.847	95	161074	48.669	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.340%			
Target Compounds					Qvalue	
6) Chloroethane	3.159	64	4460	2.747	ug/l	98
16) Acetone	4.453	43	61661	45.884	ug/l	100
25) 2-Butanone	7.500	43	28998	13.275	ug/l	92
31) Cyclohexane	8.271	56	150224	36.550	ug/l	91
39) Methylcyclohexane	9.606	83	86788	18.893	ug/l	97
40) Benzene	8.612	78	2159953	196.995	ug/l	99
52) Toluene	10.630	92	388686	58.007	ug/l	100
67) Ethyl Benzene	11.965	91	9435127	733.073	ug/l	97
68) m/p-Xylenes	12.076	106	1831713	371.779	ug/l	97
69) o-Xylene	12.394	106	824044	174.635	ug/l	97
73) Isopropylbenzene	12.694	105	263132	23.553	ug/l	99
78) n-propylbenzene	13.035	91	666280	49.074	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	41419m	4.490	ug/l	
84) 1,2,4-Trimethylbenzene	13.482	105	4427688	478.699	ug/l	99
85) sec-Butylbenzene	13.618	105	30455m	2.484	ug/l	
86) p-Isopropyltoluene	13.723	119	25694	2.535	ug/l	# 78
89) n-Butylbenzene	14.053	91	30245m	3.081	ug/l	
95) Naphthalene	15.635	128	1599639	138.963	ug/l	100

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

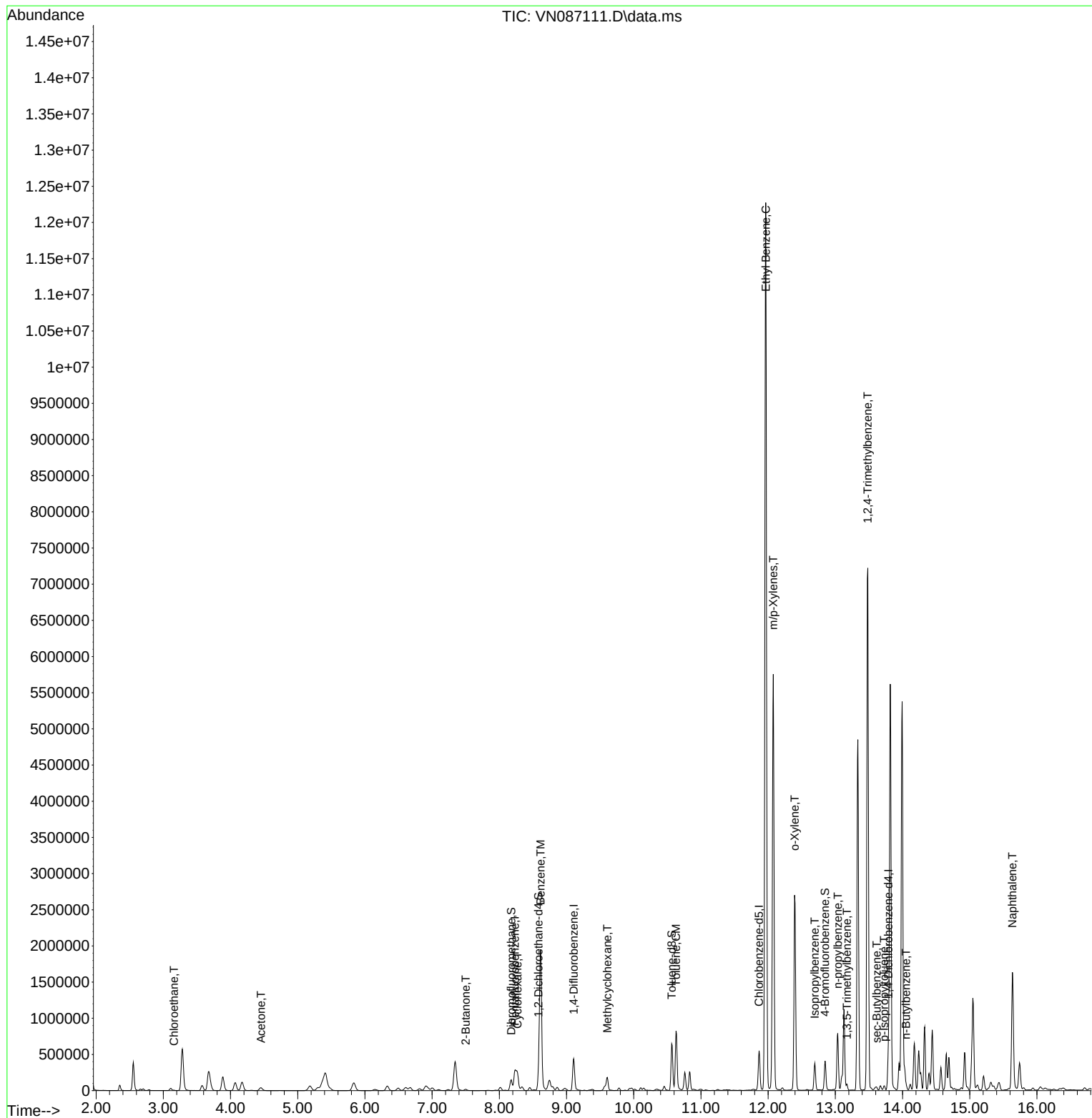
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
Data File : VN087111.D
Acq On : 19 Jun 2025 15:03
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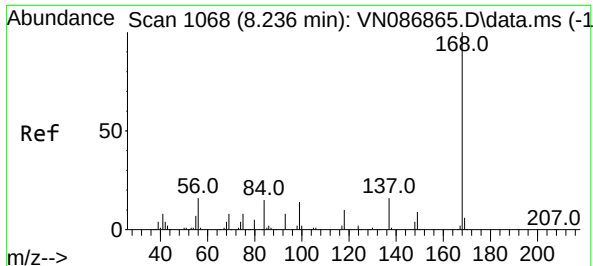
Instrument :
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Supervised By : Mahesh Dadoda 06/21/2025

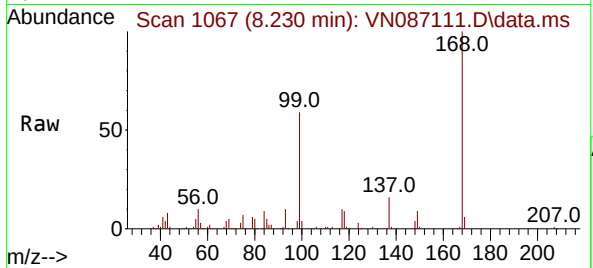
Quant Time: Jun 20 01:26:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

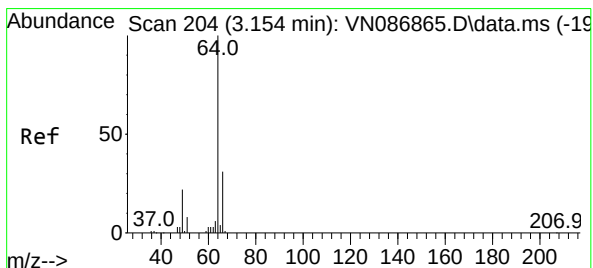
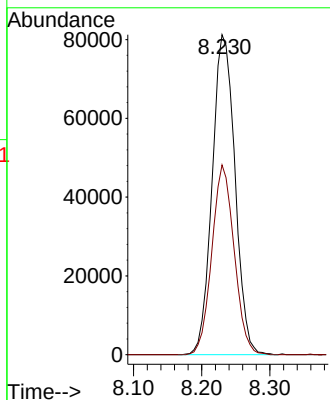
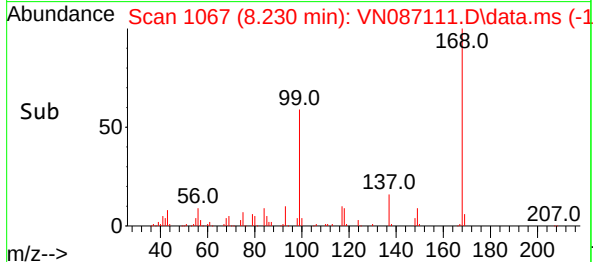
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:168 Resp: 189269
Ion Ratio Lower Upper
168 100
99 59.3 49.1 73.7

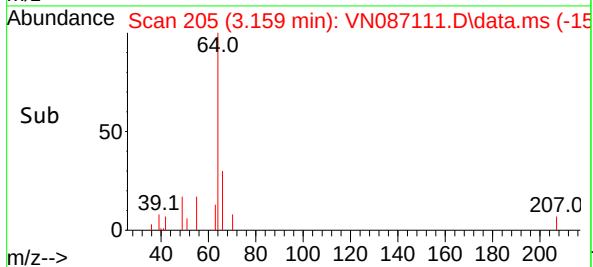
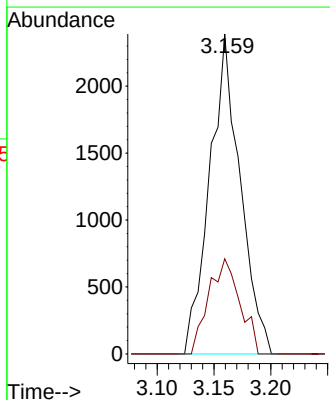
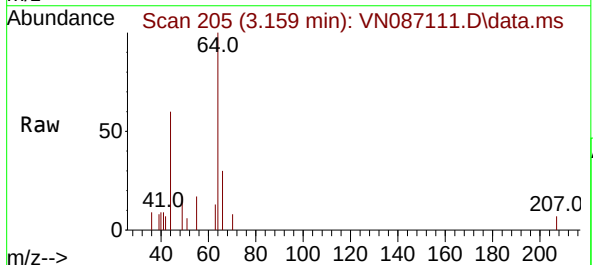
Manual Integrations
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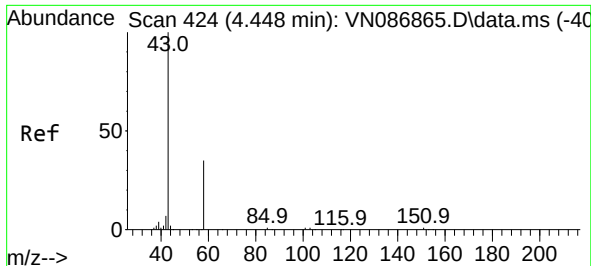
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#6
Chloroethane
Concen: 2.747 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion: 64 Resp: 4460
Ion Ratio Lower Upper
64 100
66 29.7 24.6 36.8





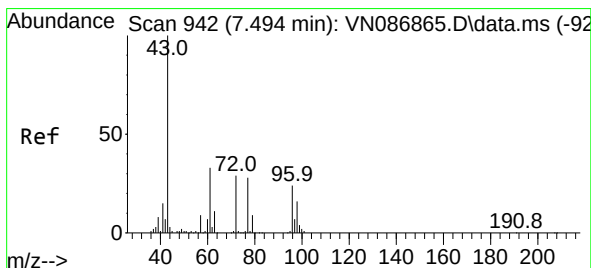
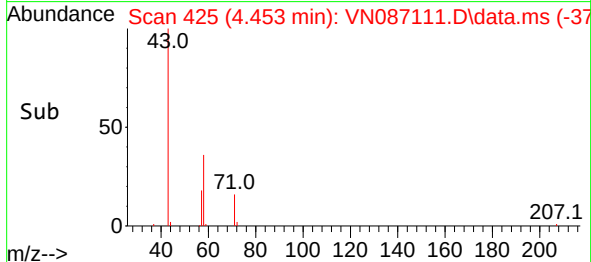
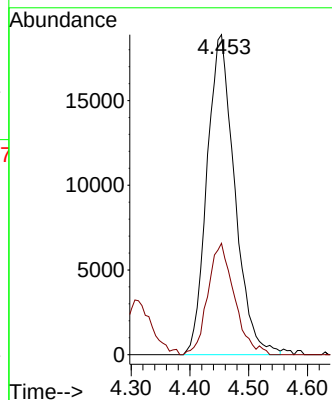
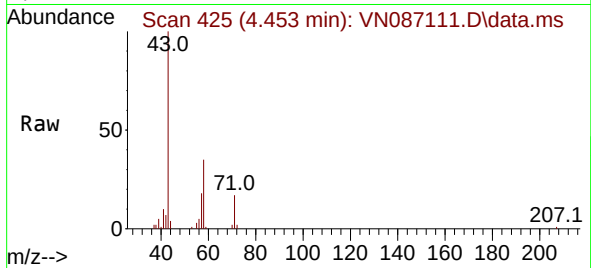
#16
Acetone
Concen: 45.884 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion: 43 Resp: 6166
Ion Ratio Lower Upper
43 100
58 34.8 28.0 42.0

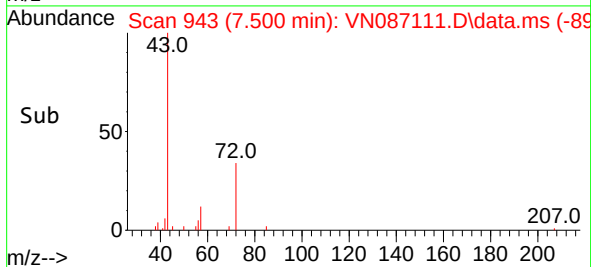
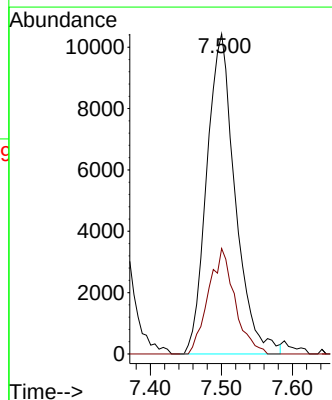
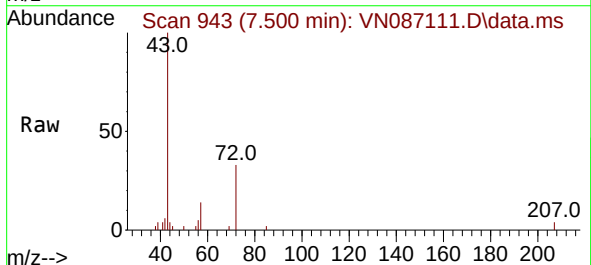
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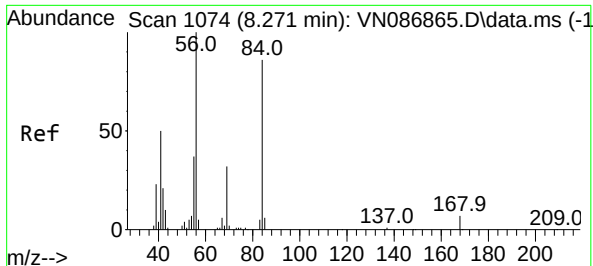
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#25
2-Butanone
Concen: 13.275 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

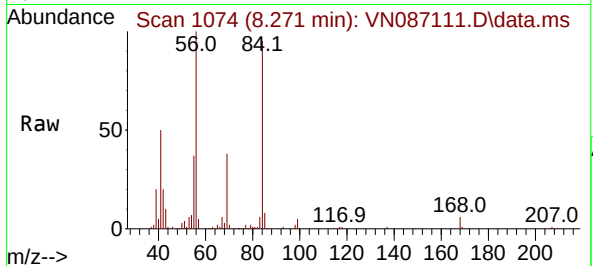
Tgt Ion: 43 Resp: 28998
Ion Ratio Lower Upper
43 100
72 33.0 23.0 34.6





#31
Cyclohexane
Concen: 36.550 ug/l
RT: 8.271 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

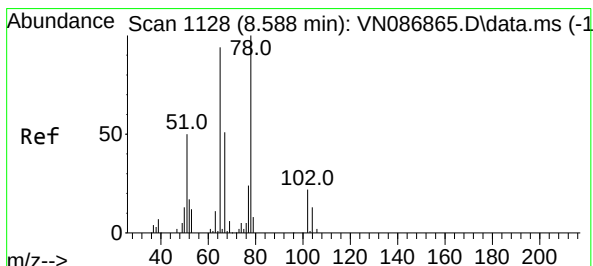
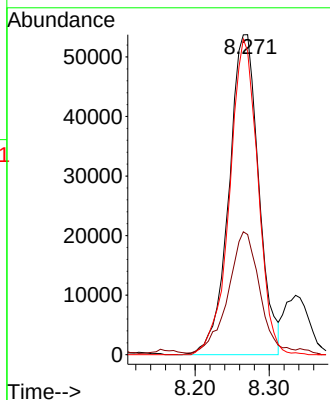
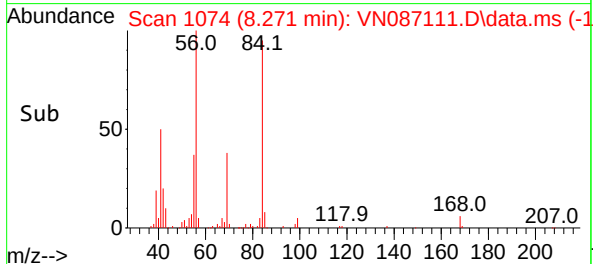
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion: 56 Resp: 150224
Ion Ratio Lower Upper
56 100
69 36.7 25.4 38.0
84 94.8 68.8 103.2

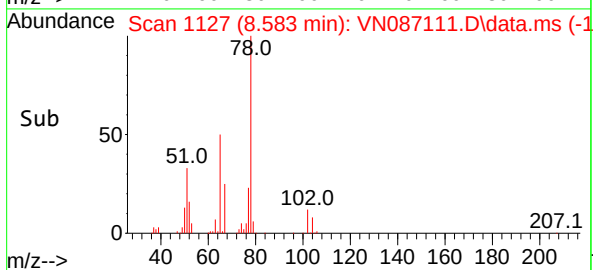
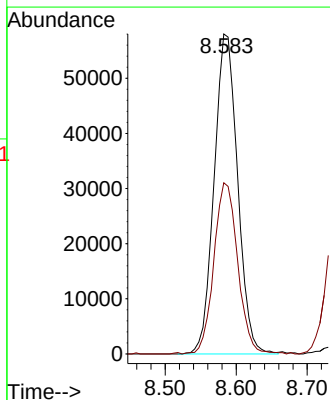
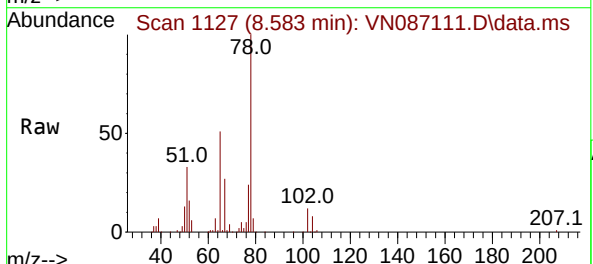
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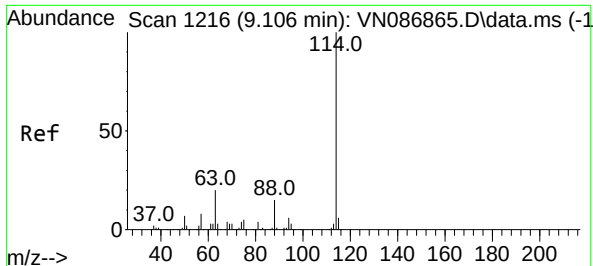
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#33
1,2-Dichloroethane-d4
Concen: 52.505 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

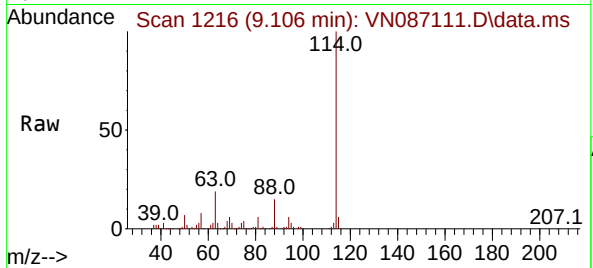
Tgt Ion: 65 Resp: 133053
Ion Ratio Lower Upper
65 100
67 54.3 0.0 105.6





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

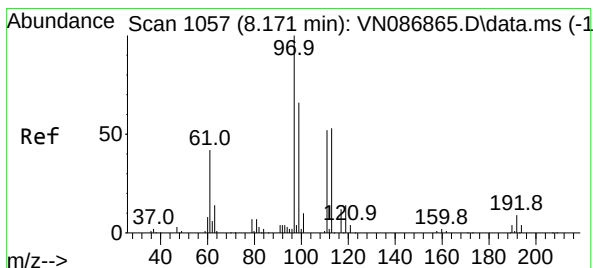
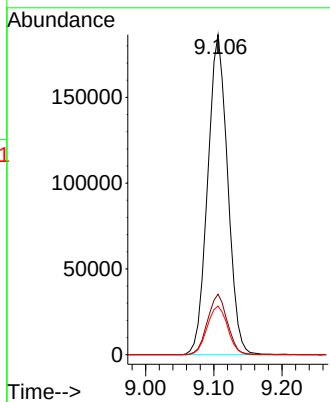
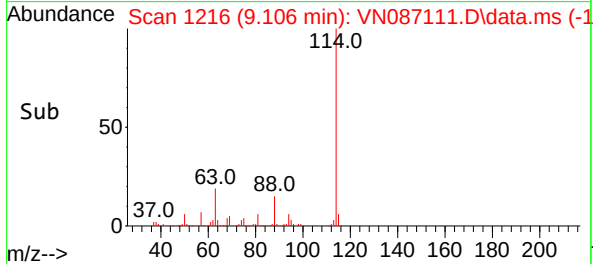
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:114 Resp: 37970
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.6
88 15.2 0.0 30.2

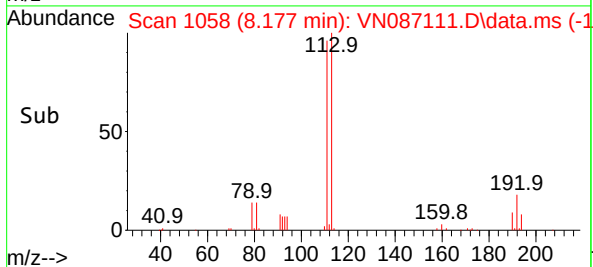
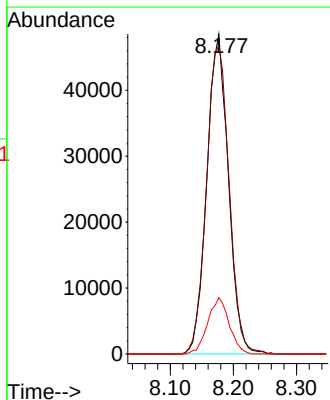
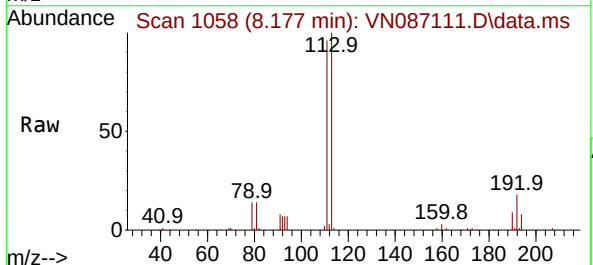
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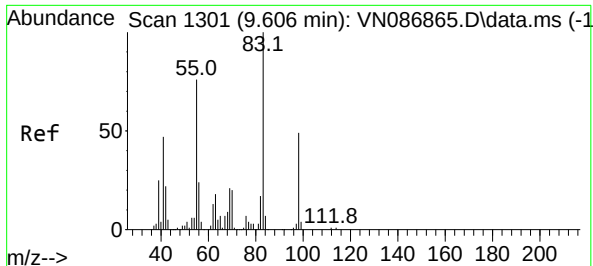
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#35
Dibromofluoromethane
Concen: 51.157 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion:113 Resp: 115113
Ion Ratio Lower Upper
113 100
111 101.6 84.2 126.2
192 17.5 14.2 21.4





#39

Methylcyclohexane

Concen: 18.893 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-12

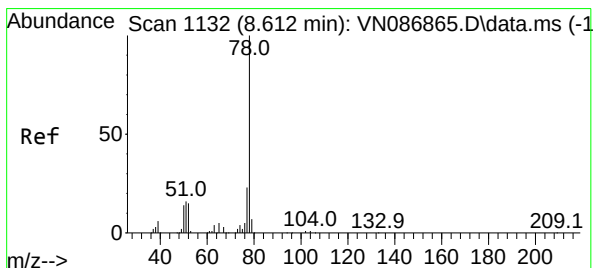
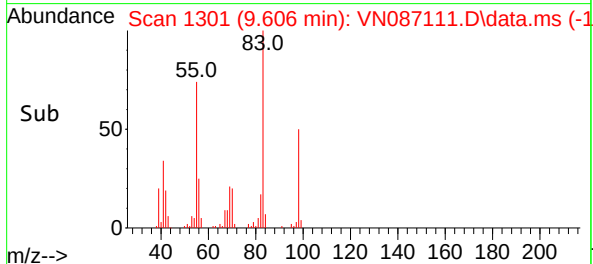
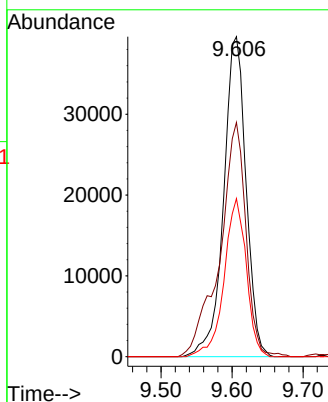
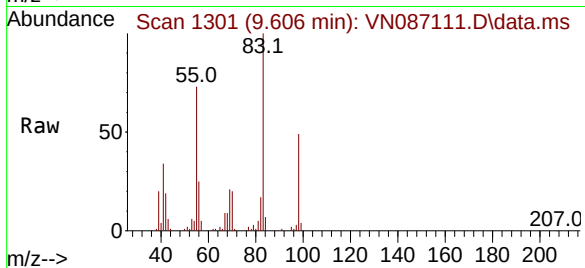
Tgt Ion: 83	Resp: 8678
Ion Ratio	Lower Upper
83	100
55	73.2 61.0 91.6
98	49.4 38.9 58.3

Manual Integrations

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Supervised By :Mahesh Dadoda 06/21/2025



#40

Benzene

Concen: 196.995 ug/l

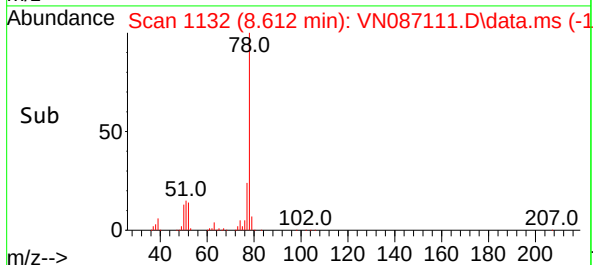
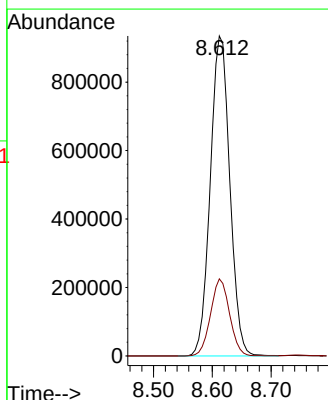
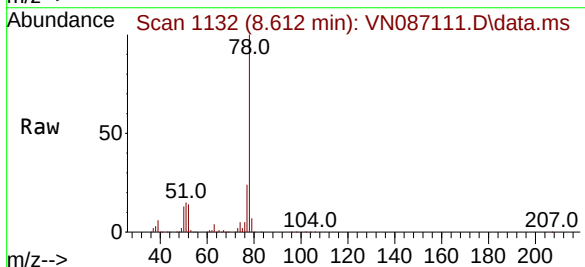
RT: 8.612 min Scan# 1132

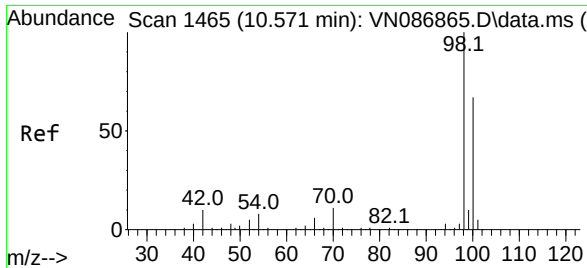
Delta R.T. -0.000 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

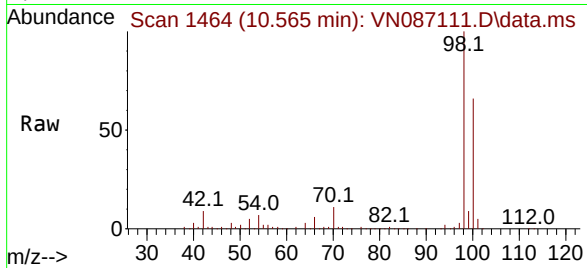
Tgt Ion: 78	Resp: 2159953
Ion Ratio	Lower Upper
78	100
77	24.1 18.7 28.1





#50
Toluene-d8
Concen: 51.919 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

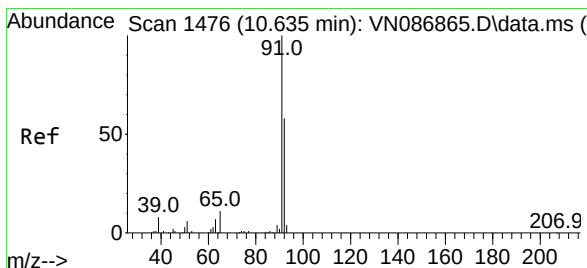
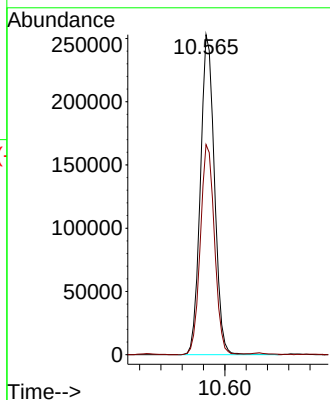
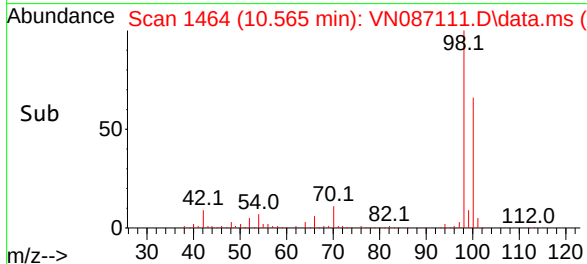
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion: 98 Resp: 46248
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0

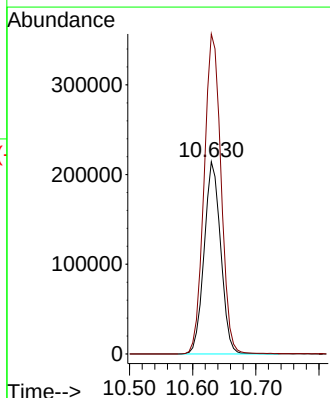
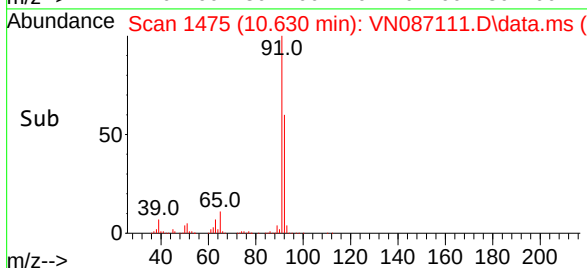
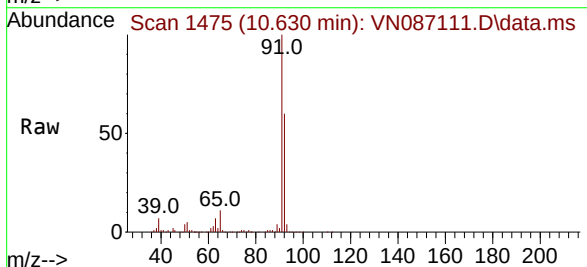
Manual Integrations
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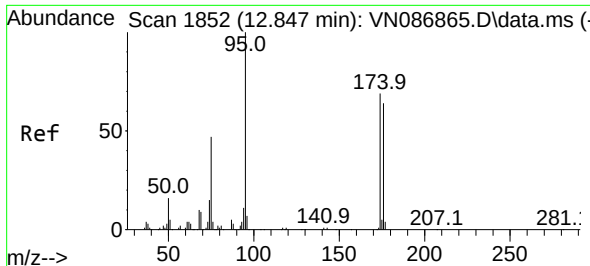
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#52
Toluene
Concen: 58.007 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

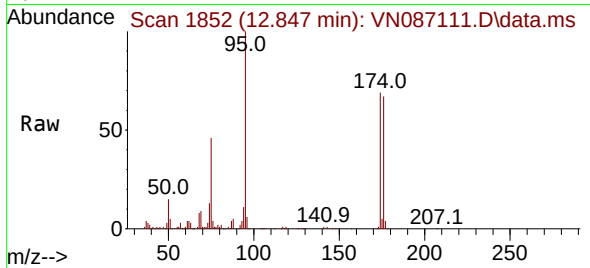
Tgt Ion: 92 Resp: 388686
Ion Ratio Lower Upper
92 100
91 171.0 136.5 204.7





#62
4-Bromofluorobenzene
Concen: 48.669 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

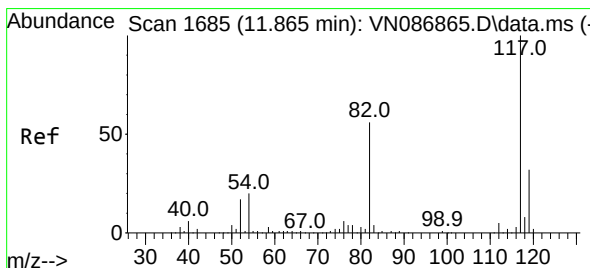
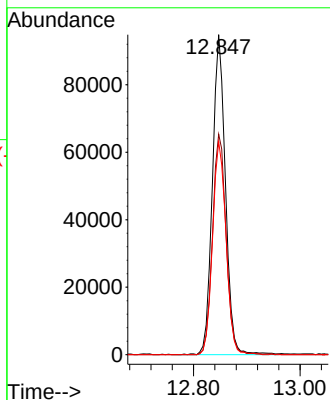
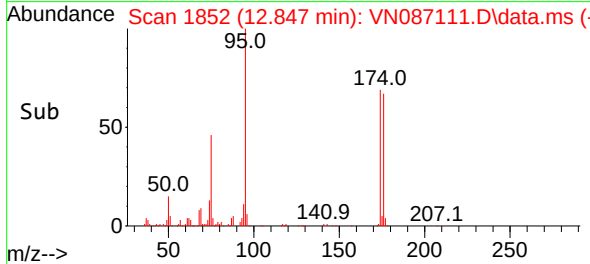
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MW-12



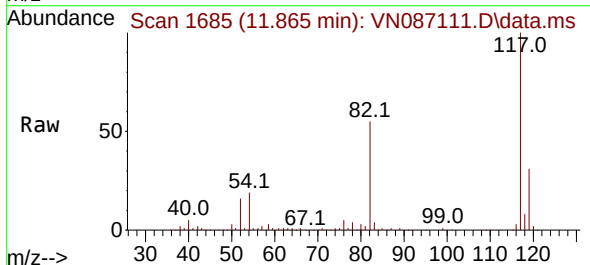
Tgt Ion: 95 Resp: 161074
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.8
176 68.7 0.0 132.6

Manual Integrations
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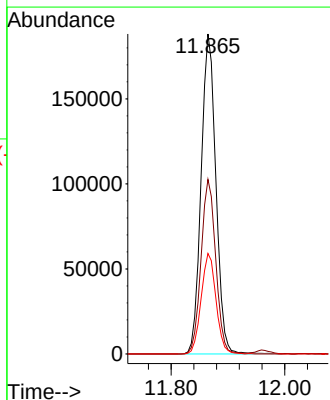
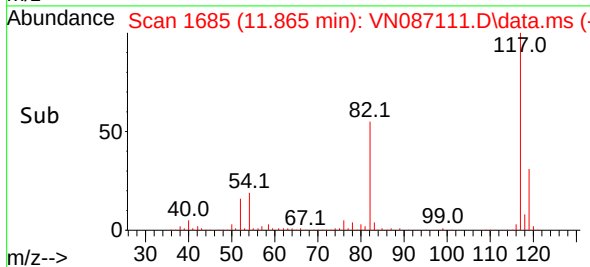
Reviewed By :John Carlone 06/20/2025
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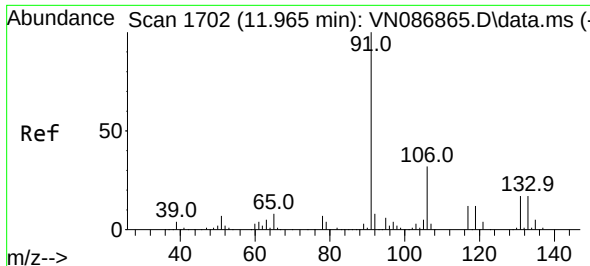


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03



Tgt Ion:117 Resp: 338791
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 31.4 25.5 38.3





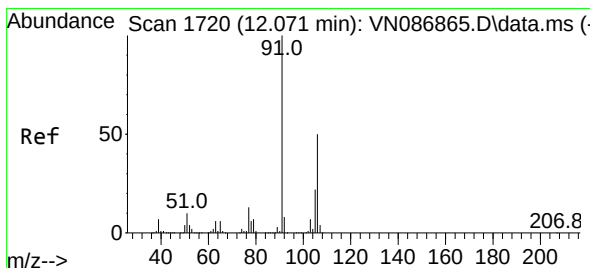
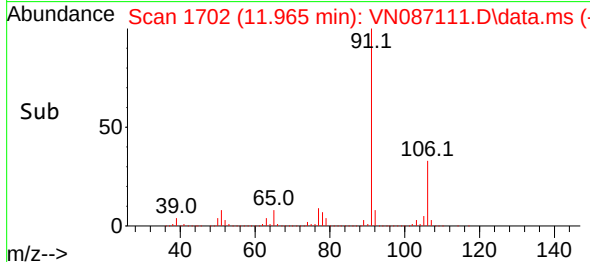
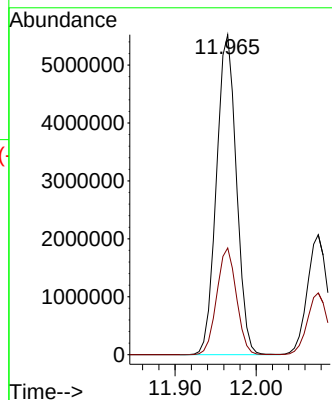
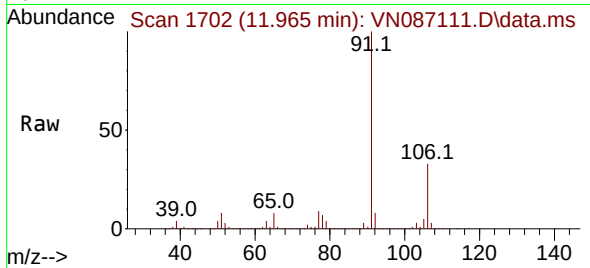
#67
Ethyl Benzene
Concen: 733.073 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion: 91 Resp: 943512
Ion Ratio Lower Upper
91 100
106 33.4 25.4 38.2

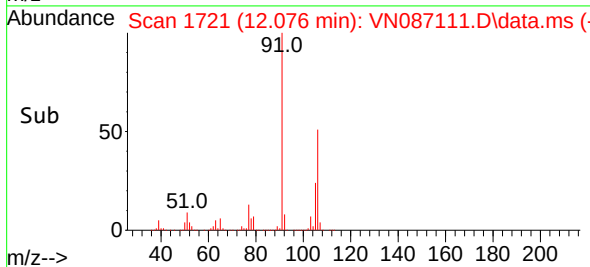
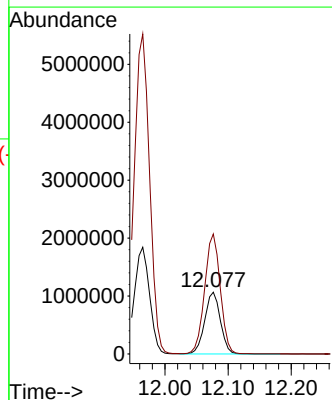
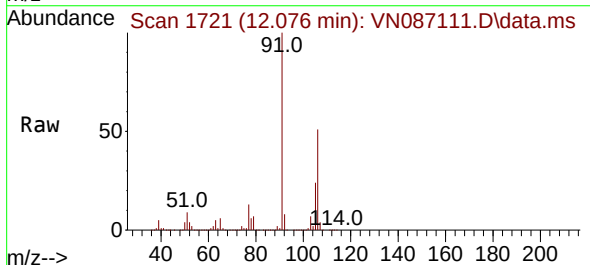
Manual Integrations
APPROVED

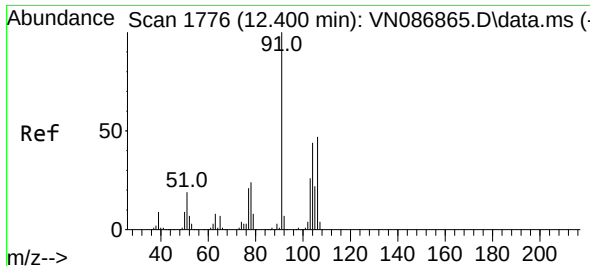
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#68
m/p-Xylenes
Concen: 371.779 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion:106 Resp: 1831713
Ion Ratio Lower Upper
106 100
91 194.4 159.4 239.0





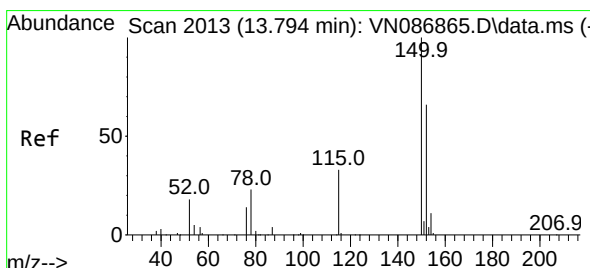
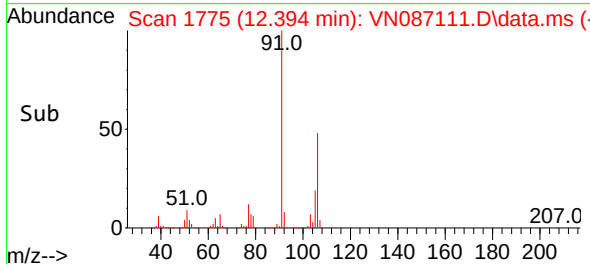
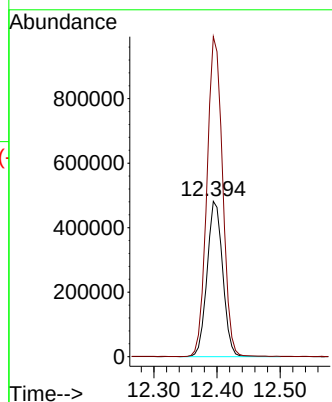
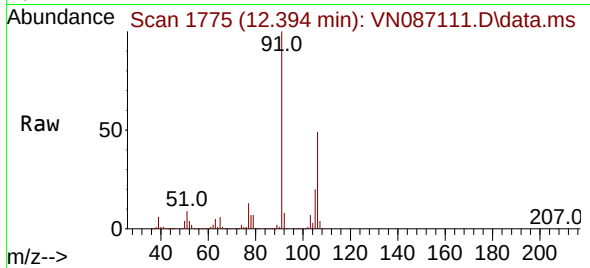
#69
o-Xylene
Concen: 174.635 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion:106 Resp: 824044
Ion Ratio Lower Upper
106 100
91 206.9 106.1 318.1

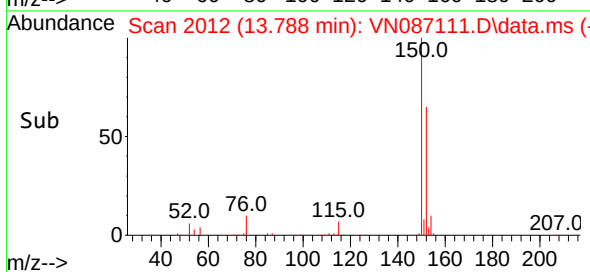
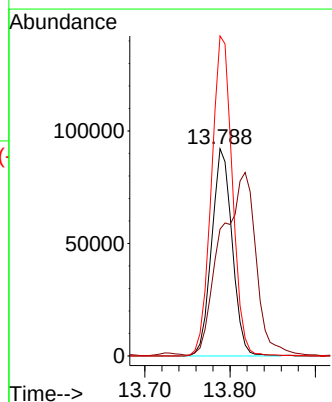
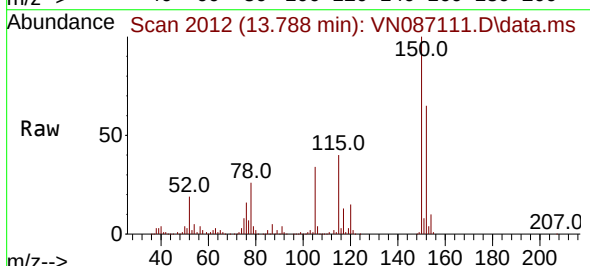
Manual Integrations
APPROVED

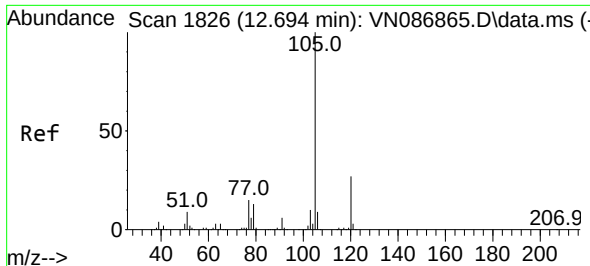
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

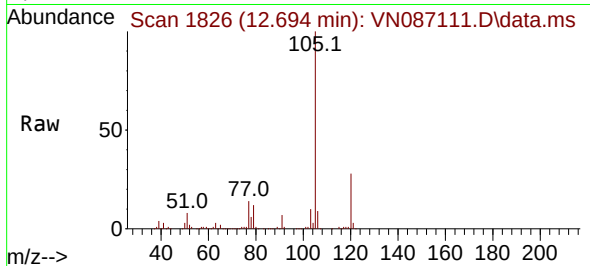
Tgt Ion:152 Resp: 153356
Ion Ratio Lower Upper
152 100
115 0.0 30.1 90.5#
150 158.2 0.0 345.0





#73
Isopropylbenzene
Concen: 23.553 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

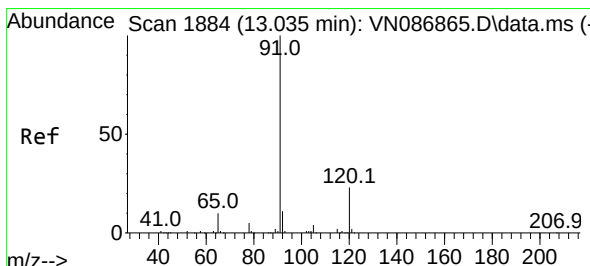
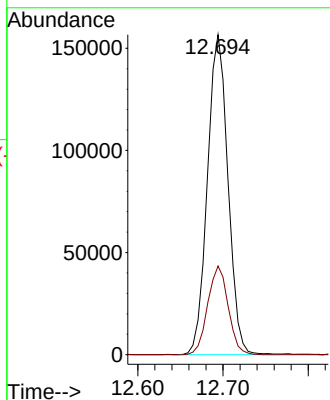
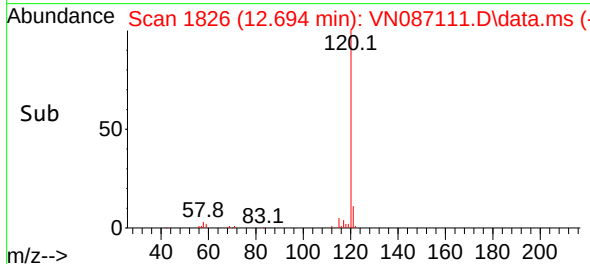
Instrument :
MSVOA_N
ClientSampleId :
MW-12



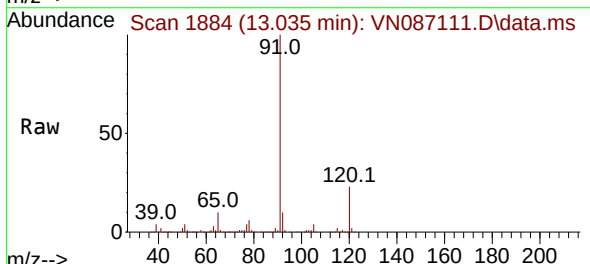
Tgt Ion:105 Resp: 26313
Ion Ratio Lower Upper
105 100
120 27.5 13.5 40.4

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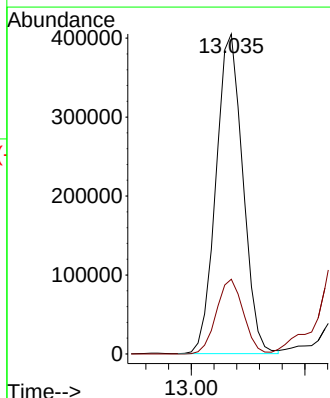
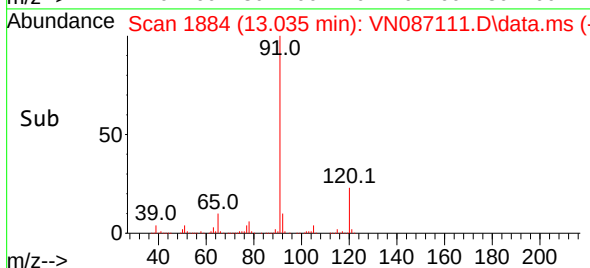
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

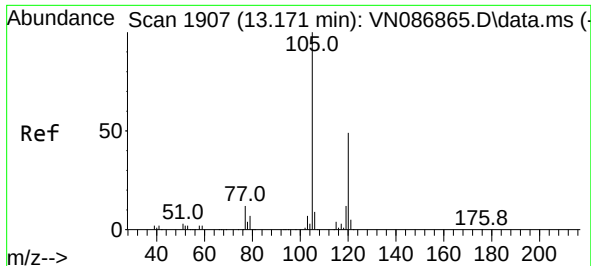


#78
n-propylbenzene
Concen: 49.074 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03



Tgt Ion: 91 Resp: 666280
Ion Ratio Lower Upper
91 100
120 23.5 11.4 34.2





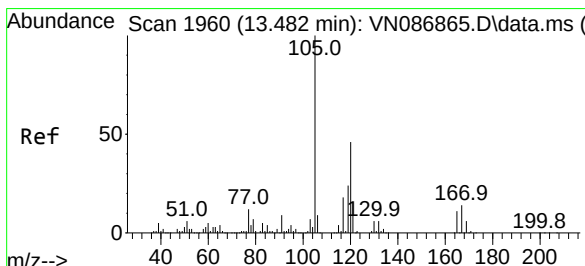
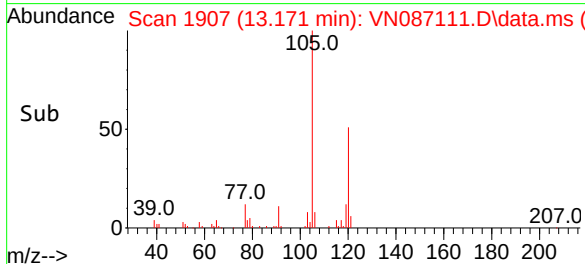
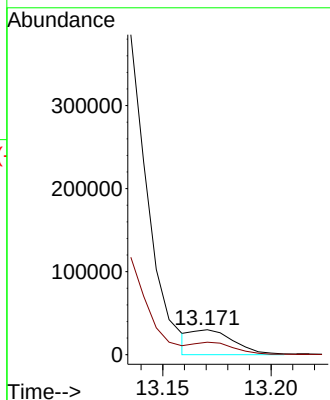
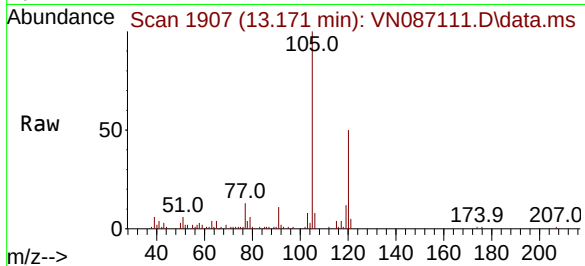
#80
1,3,5-Trimethylbenzene
Concen: 4.490 ug/l m
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion:105 Resp: 41419
Ion Ratio Lower Upper
105 100
120 622.8 24.9 74.6

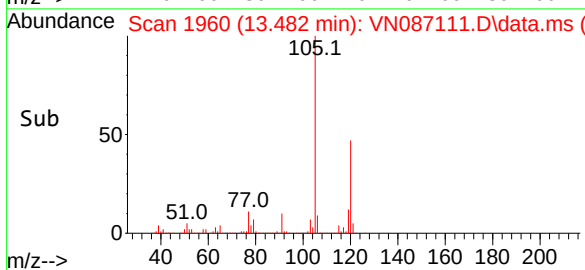
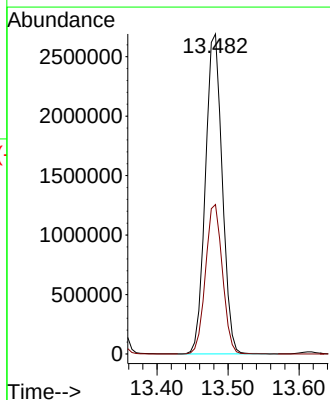
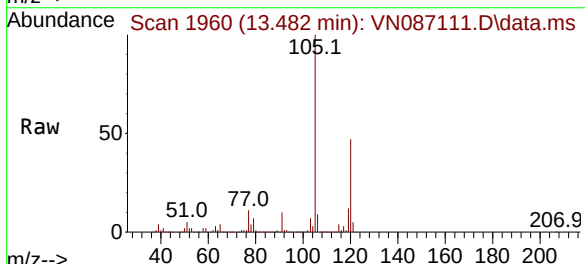
Manual Integrations
APPROVED

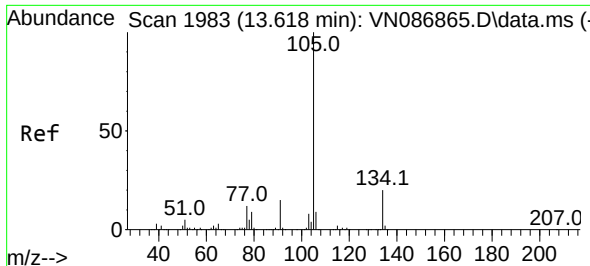
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#84
1,2,4-Trimethylbenzene
Concen: 478.699 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN087111.D
Acq: 19 Jun 2025 15:03

Tgt Ion:105 Resp: 4427688
Ion Ratio Lower Upper
105 100
120 46.9 23.2 69.6





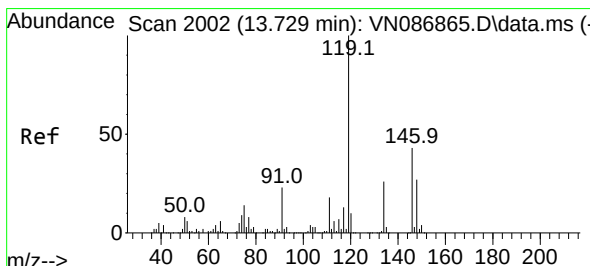
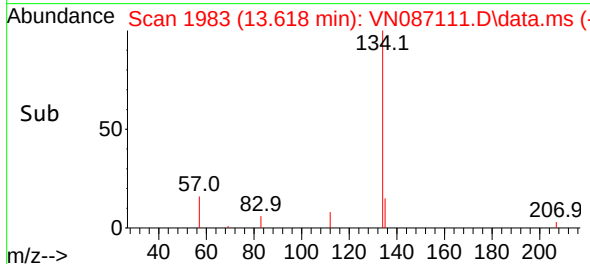
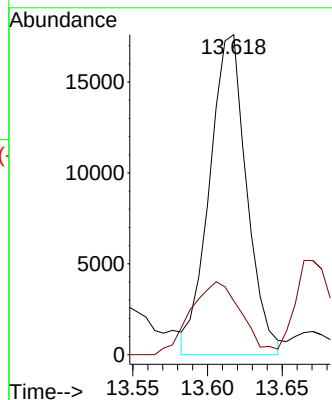
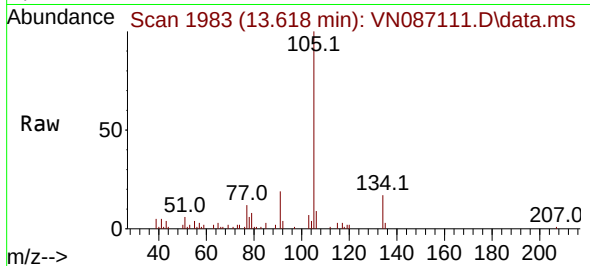
#85
 sec-Butylbenzene
 Concen: 2.484 ug/l m
 RT: 13.618 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN087111.D
 Acq: 19 Jun 2025 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Tgt Ion:105 Resp: 3045
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 30.0

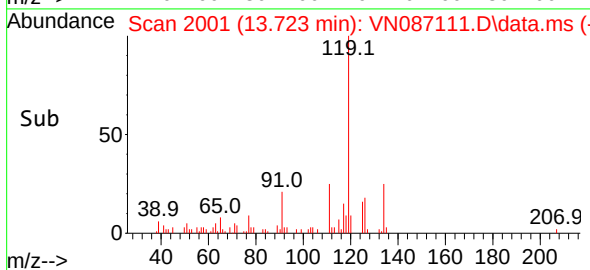
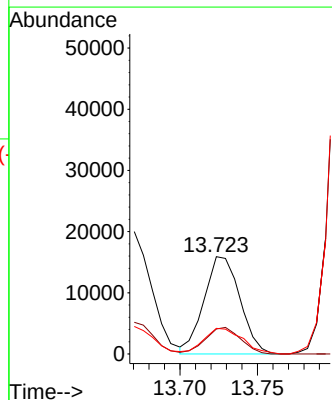
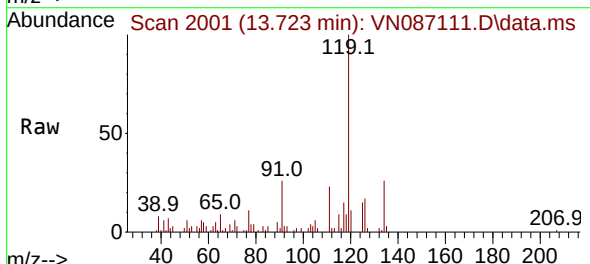
Manual Integrations
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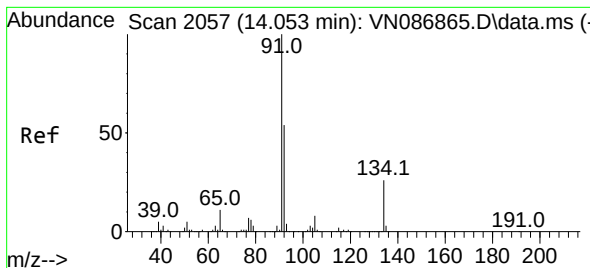
Reviewed By :John Carlone 06/20/2025
 Supervised By :Mahesh Dadoda 06/21/2025



#86
 p-Isopropyltoluene
 Concen: 2.535 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN087111.D
 Acq: 19 Jun 2025 15:03

Tgt Ion:119 Resp: 25694
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.4
 91 0.0 11.5 34.4





#89

n-Butylbenzene

Concen: 3.081 ug/l m

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-12

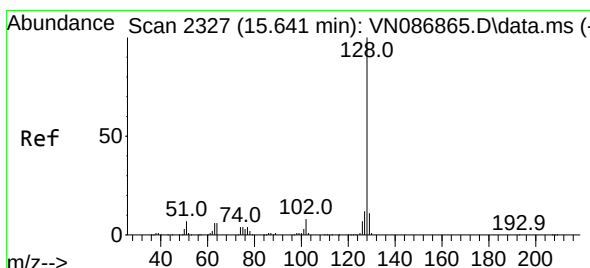
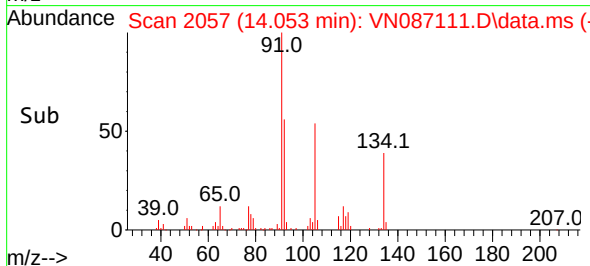
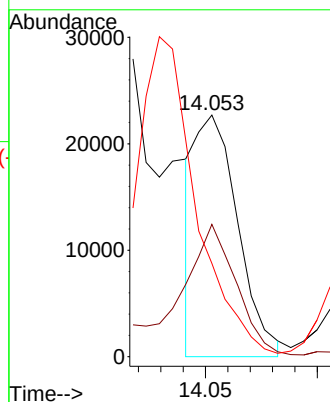
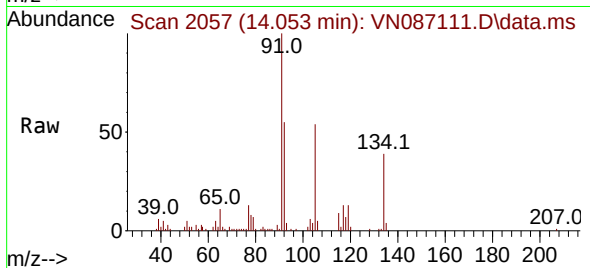
Tgt Ion:	91	Resp:	3024
Ion	Ratio	Lower	Upper
91	100		
92	166.4	27.5	82.4
134	0.0	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/20/2025

Supervised By :Mahesh Dadoda 06/21/2025



#95

Naphthalene

Concen: 138.963 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN087111.D

Acq: 19 Jun 2025 15:03

Tgt Ion:	128	Resp:	1599639
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2

