

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
 Data File : VN087158.D
 Acq On : 24 Jun 2025 15:49
 Operator : JC\MD
 Sample : Q2401-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/25/2025

Quant Time: Jun 25 04:20:17 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)

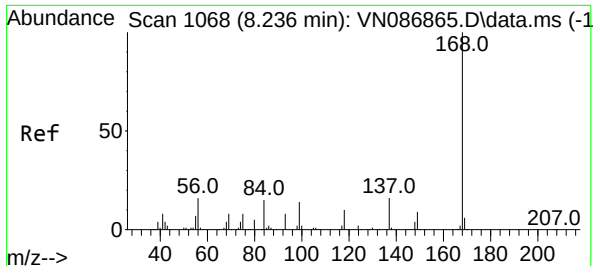
Internal Standards						
1) Pentafluorobenzene	8.235	168	157438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	132073	62.656	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.320%#			
35) Dibromofluoromethane	8.177	113	102705	52.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.900%			
50) Toluene-d8	10.571	98	391918	51.043	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.080%			
62) 4-Bromofluorobenzene	12.847	95	140345	49.197	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.400%			
Target Compounds					Qvalue	
31) Cyclohexane	8.265	56	30291	8.860	ug/l	96
39) Methylcyclohexane	9.606	83	27348	6.907	ug/l	93
40) Benzene	8.612	78	8349	0.883	ug/l	93
52) Toluene	10.629	92	5839	1.011	ug/l	99
67) Ethyl Benzene	11.965	91	13406	1.247	ug/l #	88
68) m/p-Xylenes	12.070	106	6676	1.622	ug/l	95
69) o-Xylene	12.394	106	5275	1.338	ug/l	85
73) Isopropylbenzene	12.694	105	83552	8.436	ug/l	100
78) n-propylbenzene	13.035	91	371896	30.898	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	239634	29.305	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	973219	118.688	ug/l	99
85) sec-Butylbenzene	13.612	105	36918	3.396	ug/l #	53
86) p-Isopropyltoluene	13.723	119	11946	1.329	ug/l #	78
89) n-Butylbenzene	14.053	91	42393m	4.871	ug/l	
95) Naphthalene	15.635	128	18575	1.820	ug/l	96

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

Manual Integrations

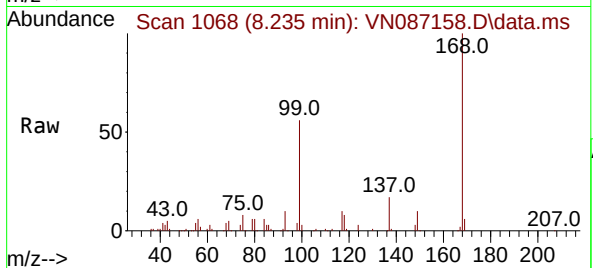
Quant Time: Jun 25 04:20:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

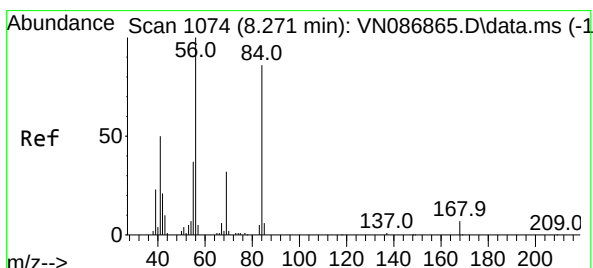
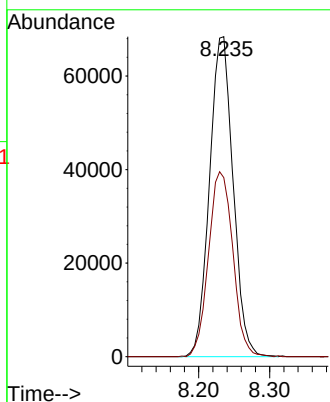
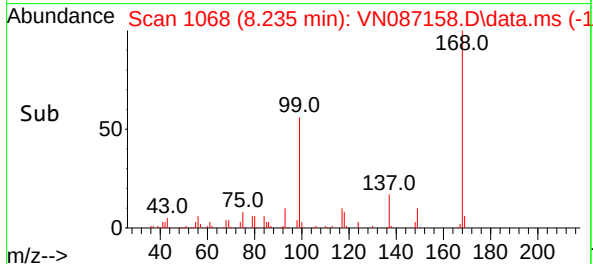
Instrument :
MSVOA_N
ClientSampleId :
MW2



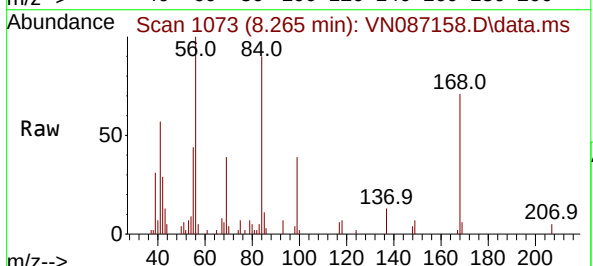
Tgt Ion:168 Resp: 157438
Ion Ratio Lower Upper
168 100
99 56.0 49.1 73.7

Manual Integrations
APPROVED

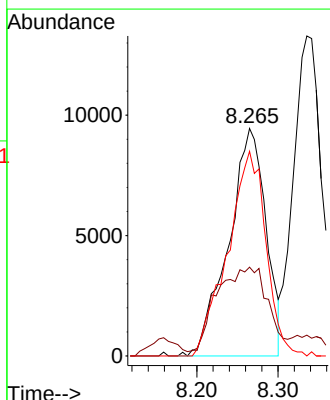
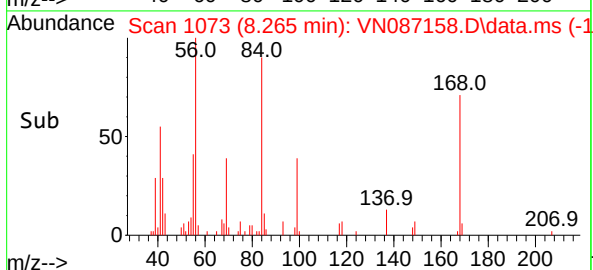
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

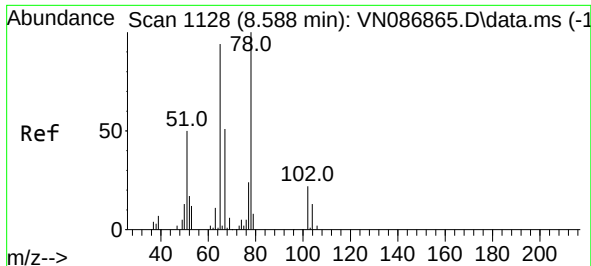


#31
Cyclohexane
Concen: 8.860 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.006 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49



Tgt Ion: 56 Resp: 30291
Ion Ratio Lower Upper
56 100
69 34.0 25.4 38.0
84 89.9 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 62.656 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087158.D

Acq: 24 Jun 2025 15:49

Instrument :

MSVOA_N

ClientSampleId :

MW2

Tgt Ion: 65 Resp: 13207

Ion Ratio Lower Upper

65 100

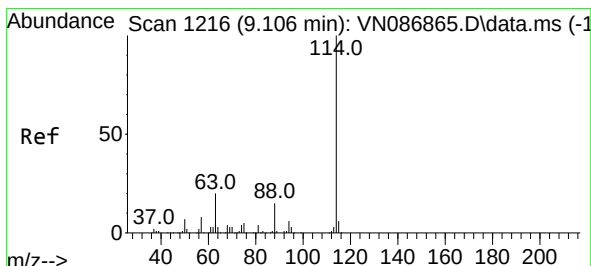
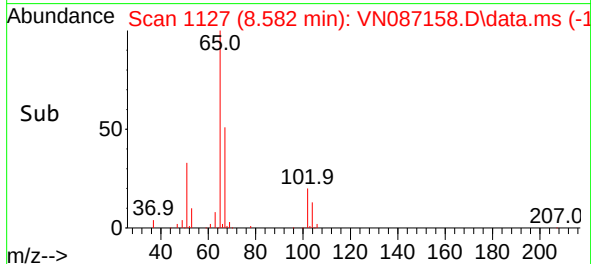
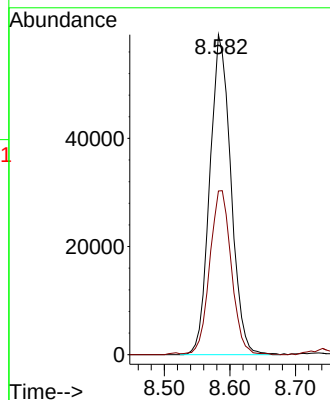
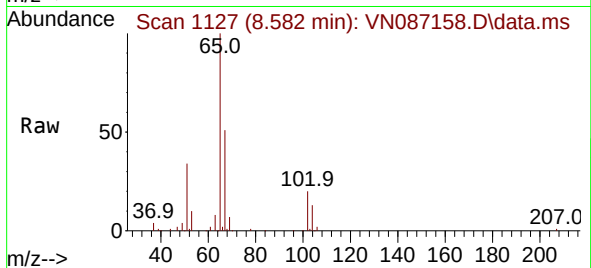
67 52.7 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/25/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087158.D

Acq: 24 Jun 2025 15:49

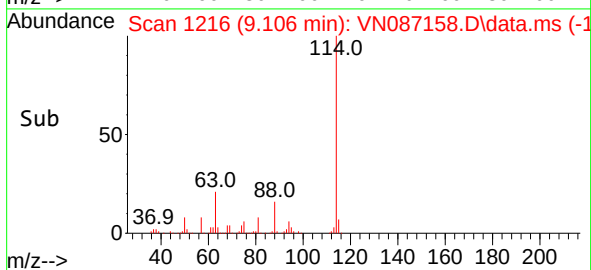
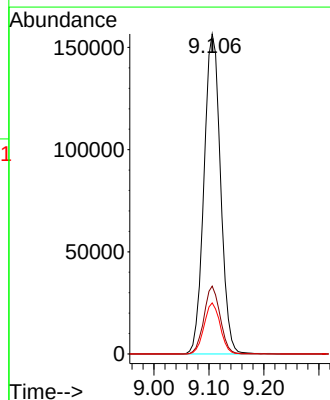
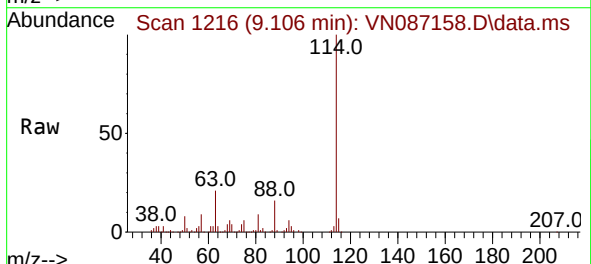
Tgt Ion:114 Resp: 327285

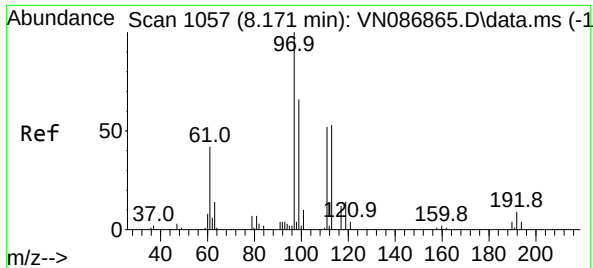
Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.6

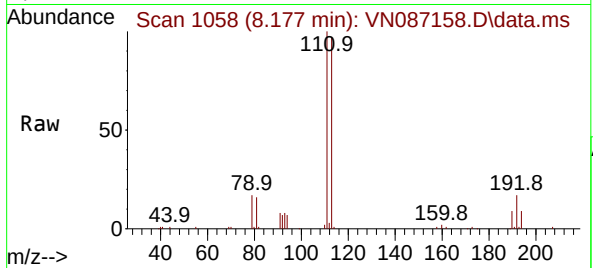
88 16.0 0.0 30.2





#35
Dibromofluoromethane
Concen: 52.953 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

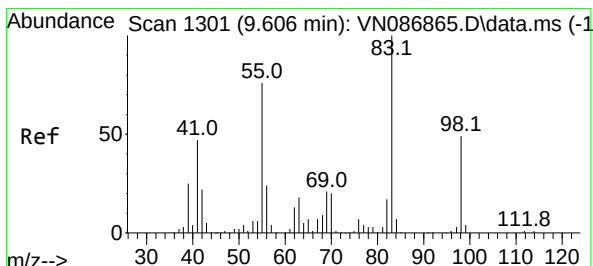
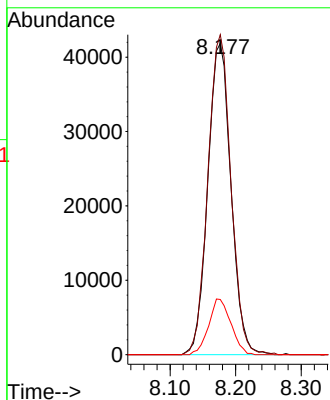
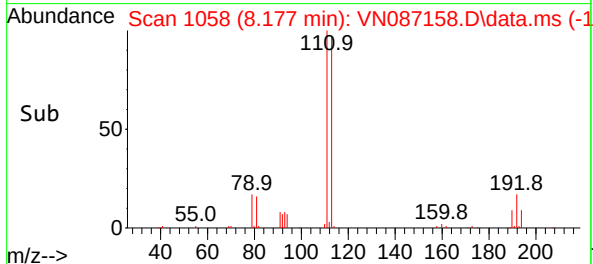
Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion: 113 Resp: 10270
Ion Ratio Lower Upper
113 100
111 102.2 84.2 126.2
192 17.2 14.2 21.4

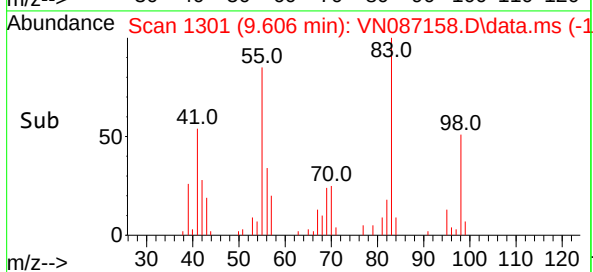
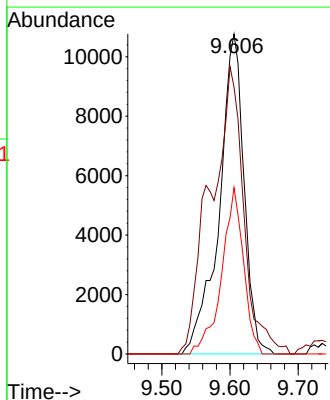
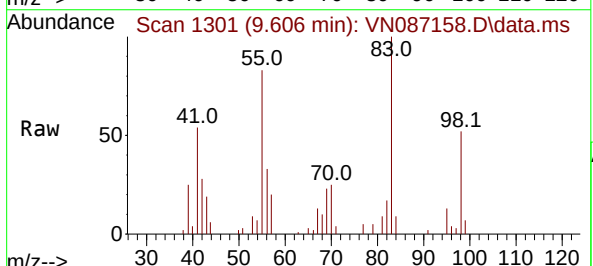
Manual Integrations
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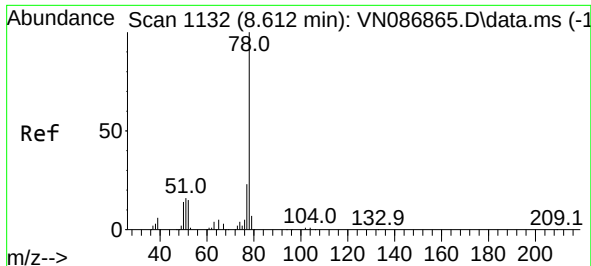
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025



#39
Methylcyclohexane
Concen: 6.907 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

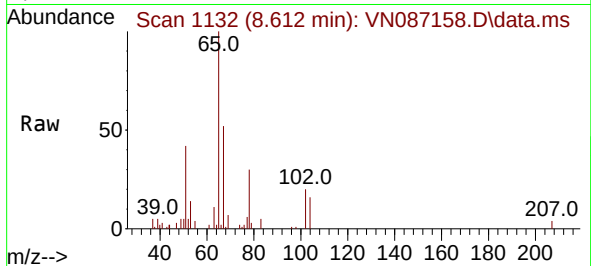
Tgt Ion: 83 Resp: 27348
Ion Ratio Lower Upper
83 100
55 83.4 61.0 91.6
98 52.0 38.9 58.3





#40
Benzene
Concen: 0.883 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

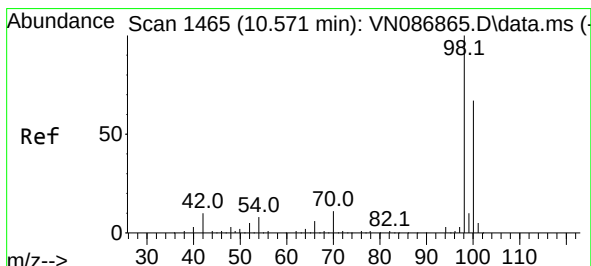
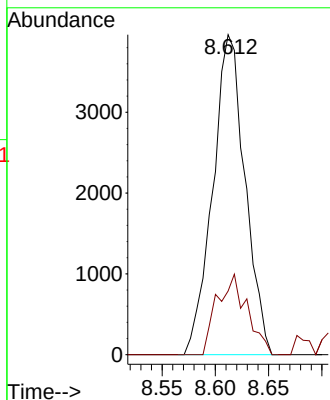
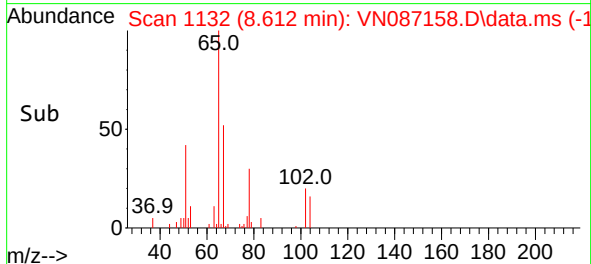
Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion: 78 Resp: 8349
Ion Ratio Lower Upper
78 100
77 19.9 18.7 28.1

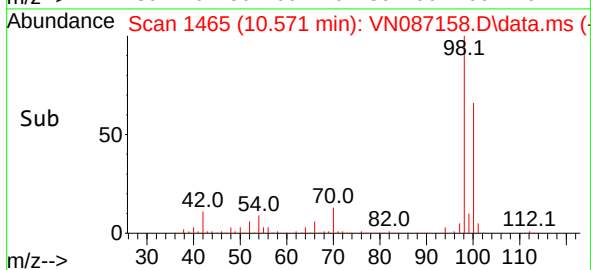
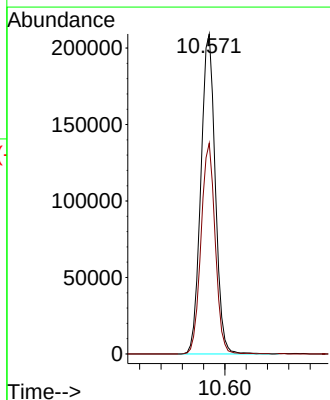
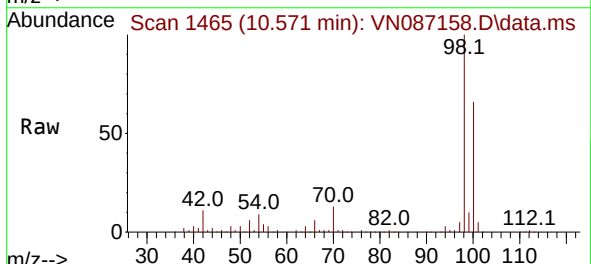
Manual Integrations
APPROVED

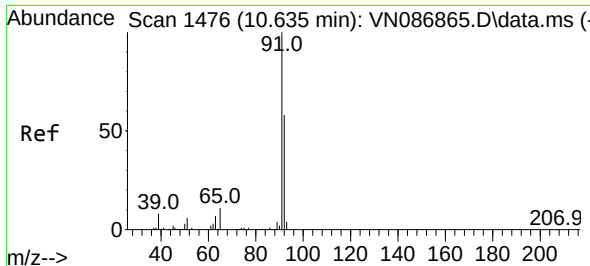
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025



#50
Toluene-d8
Concen: 51.043 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

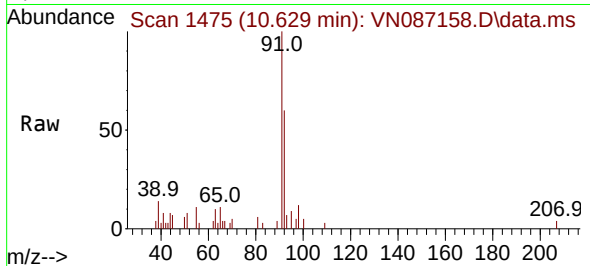
Tgt Ion: 98 Resp: 391918
Ion Ratio Lower Upper
98 100
100 64.6 53.4 80.0





#52
Toluene
Concen: 1.011 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

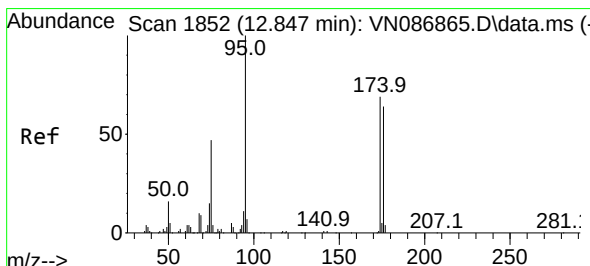
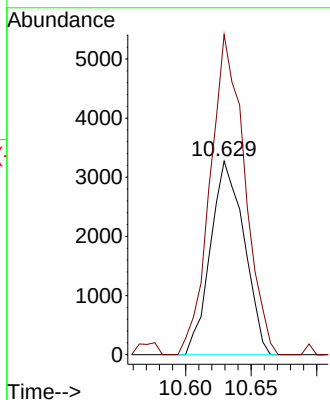
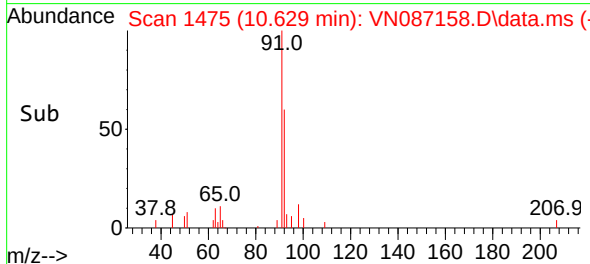
Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion: 92 Resp: 5839
Ion Ratio Lower Upper
92 100
91 169.6 136.5 204.7

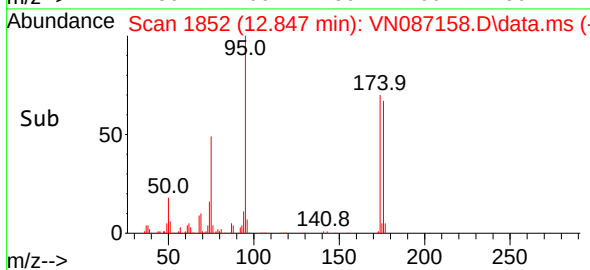
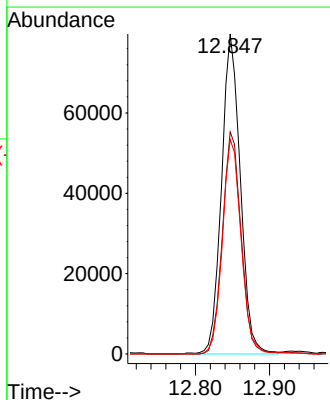
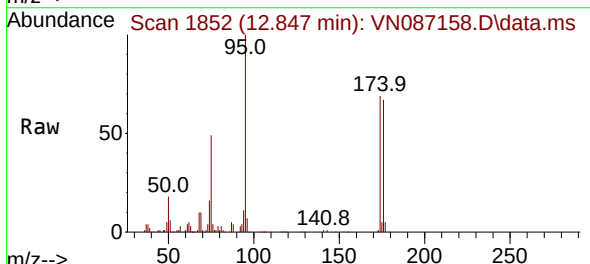
Manual Integrations
APPROVED

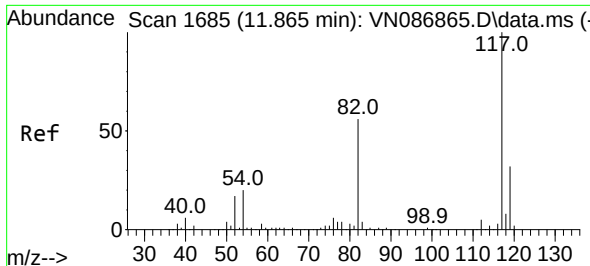
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025



#62
4-Bromofluorobenzene
Concen: 49.197 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

Tgt Ion: 95 Resp: 140345
Ion Ratio Lower Upper
95 100
174 69.0 0.0 141.8
176 66.7 0.0 132.6





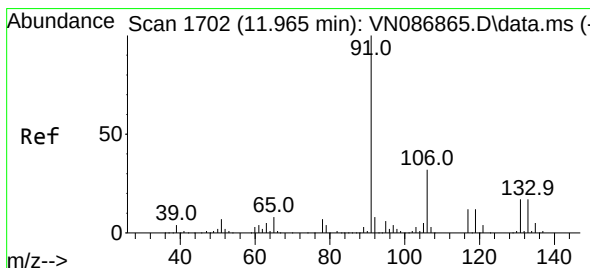
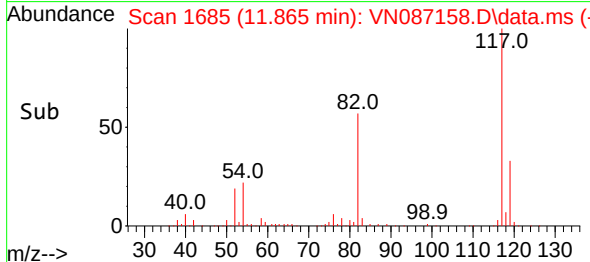
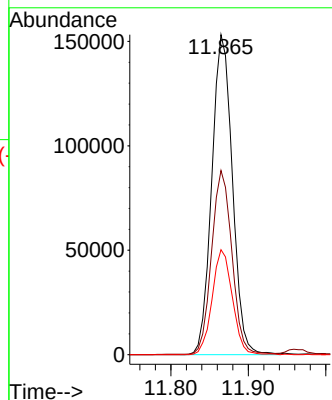
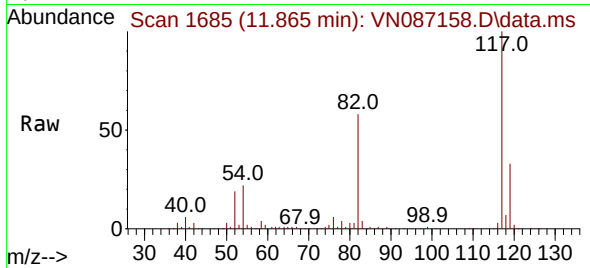
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 117 Resp: 28305
Ion Ratio Lower Upper
117 100
82 57.4 44.6 67.0
119 32.8 25.5 38.3

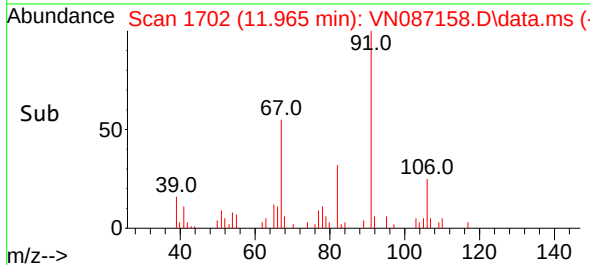
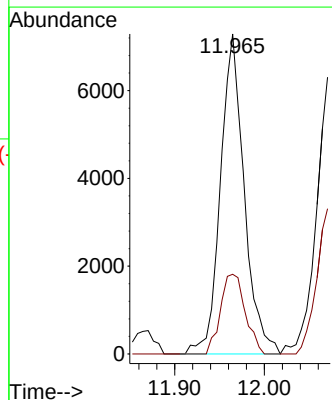
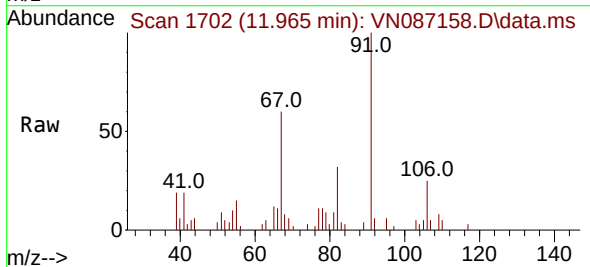
Manual Integrations
APPROVED

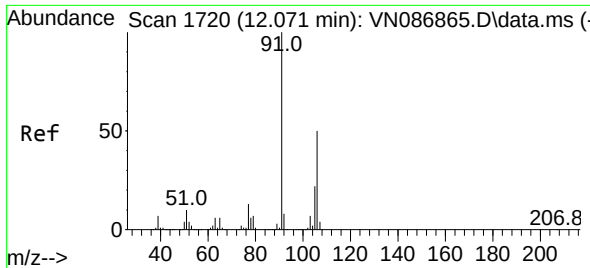
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025



#67
Ethyl Benzene
Concen: 1.247 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

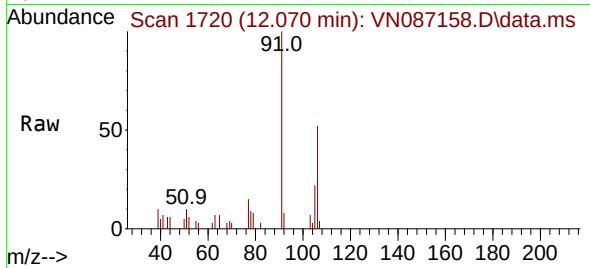
Tgt Ion: 91 Resp: 13406
Ion Ratio Lower Upper
91 100
106 24.9 25.4 38.2#





#68
m/p-Xylenes
Concen: 1.622 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

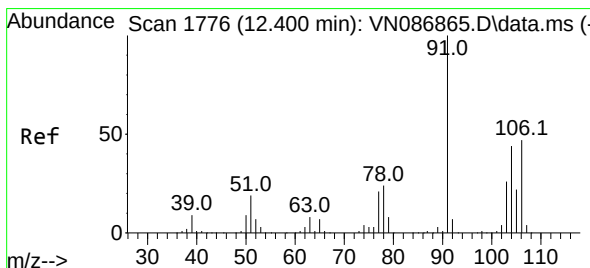
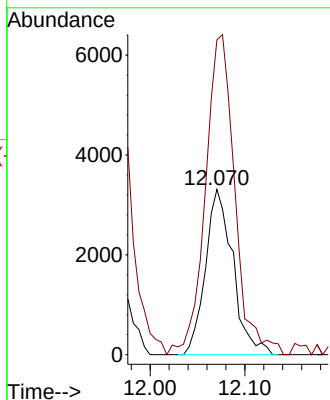
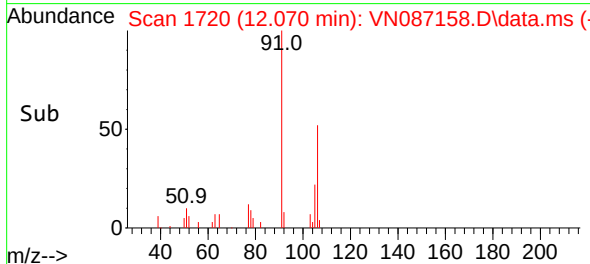
Instrument :
MSVOA_N
ClientSampleId :
MW2



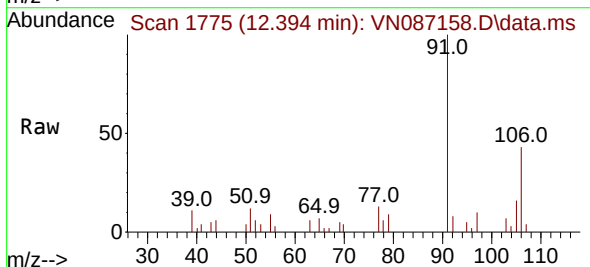
Tgt Ion:106 Resp: 6670
Ion Ratio Lower Upper
106 100
91 207.4 159.4 239.0

Manual Integrations
APPROVED

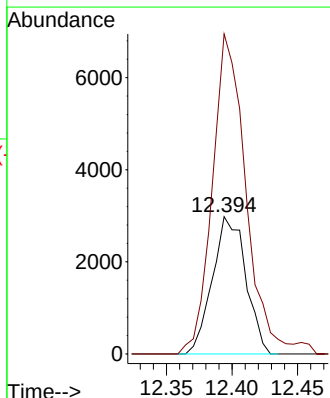
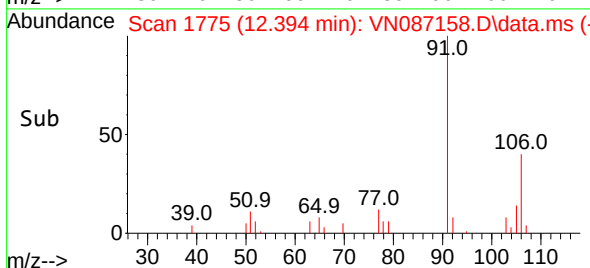
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

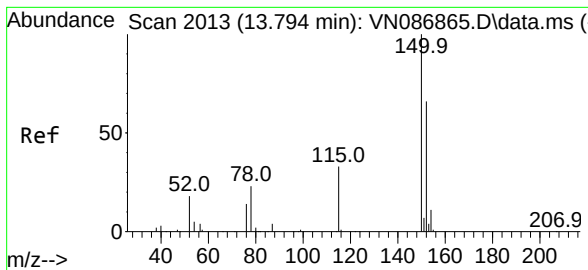


#69
o-Xylene
Concen: 1.338 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49



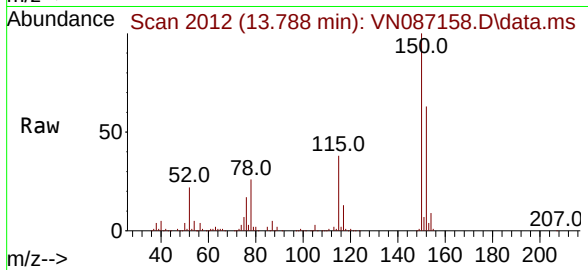
Tgt Ion:106 Resp: 5275
Ion Ratio Lower Upper
106 100
91 235.8 106.1 318.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

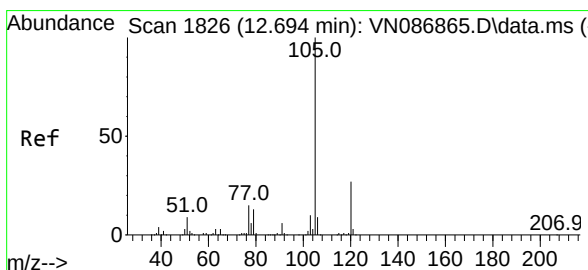
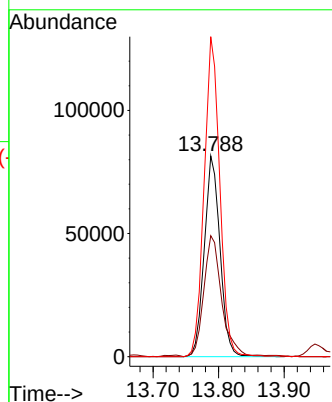
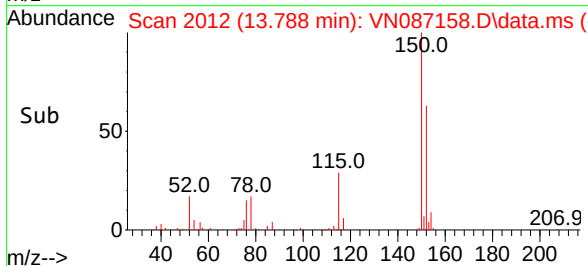
Instrument :
MSVOA_N
ClientSampleId :
MW2



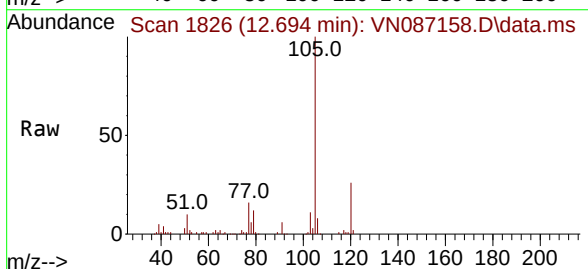
Tgt Ion:152 Resp: 135954
Ion Ratio Lower Upper
152 100
115 68.3 30.1 90.5
150 158.9 0.0 345.0

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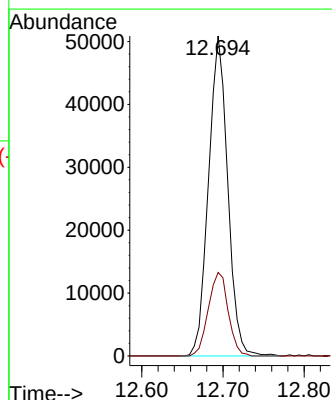
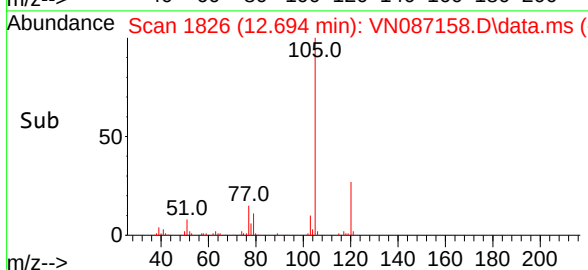
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

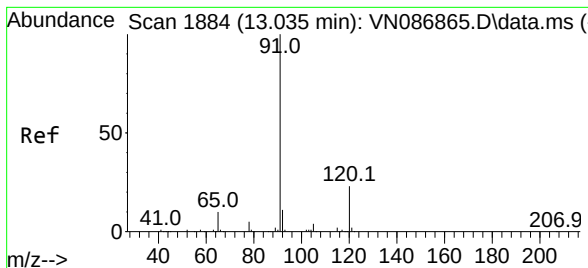


#73
Isopropylbenzene
Concen: 8.436 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49



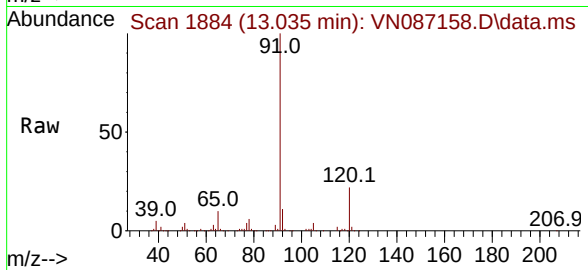
Tgt Ion:105 Resp: 83552
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4





#78
n-propylbenzene
Concen: 30.898 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

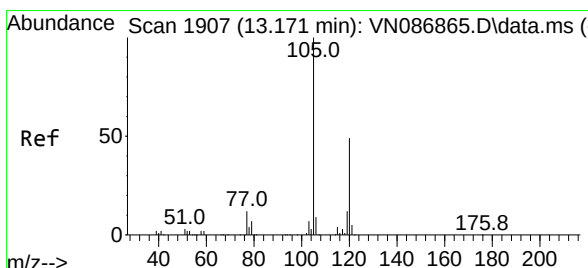
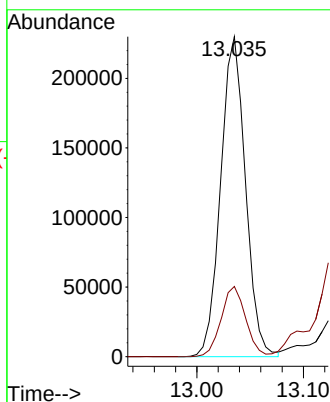
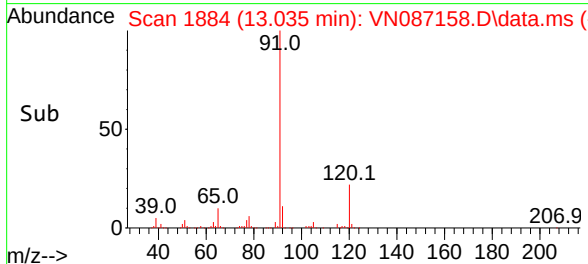
Instrument :
MSVOA_N
ClientSampleId :
MW2



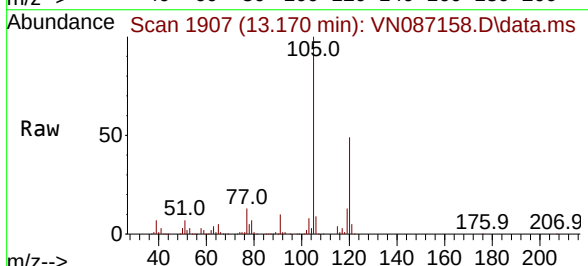
Tgt Ion: 91 Resp: 371890
Ion Ratio Lower Upper
91 100
120 21.6 11.4 34.2

Manual Integrations
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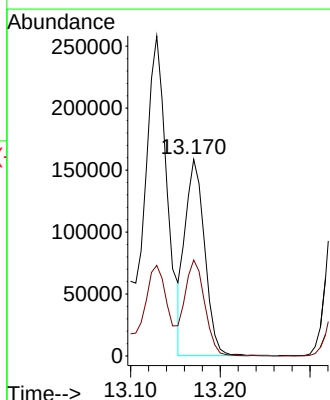
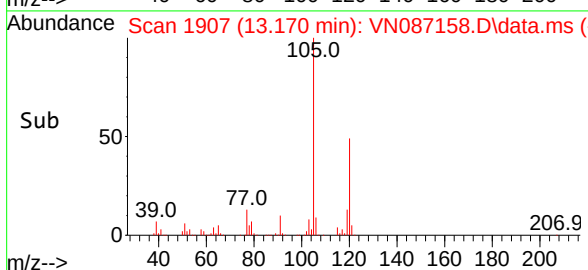
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

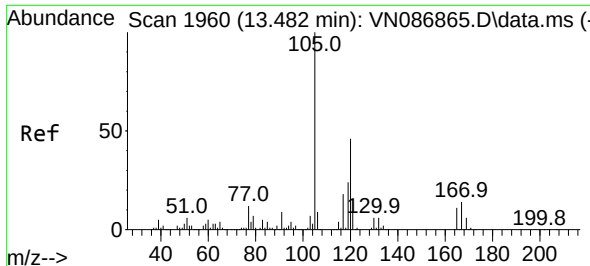


#80
1,3,5-Trimethylbenzene
Concen: 29.305 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49



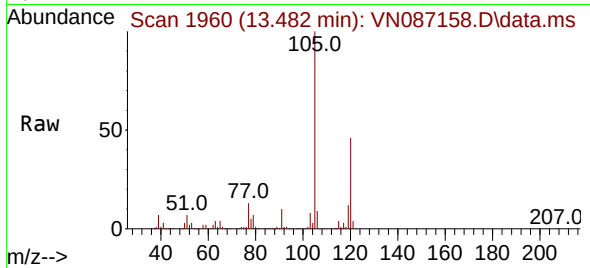
Tgt Ion:105 Resp: 239634
Ion Ratio Lower Upper
105 100
120 52.2 24.9 74.6





#84
1,2,4-Trimethylbenzene
Concen: 118.688 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

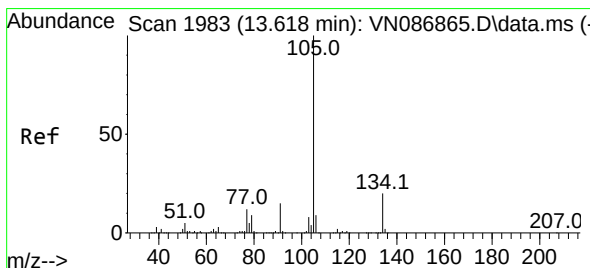
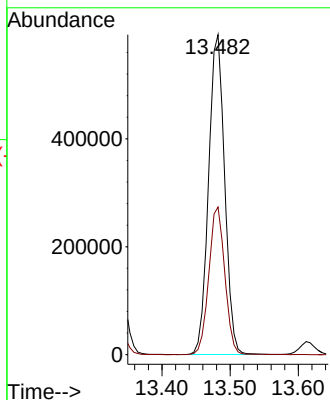
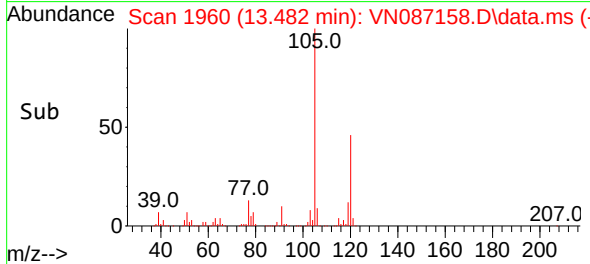
Instrument :
MSVOA_N
ClientSampleId :
MW2



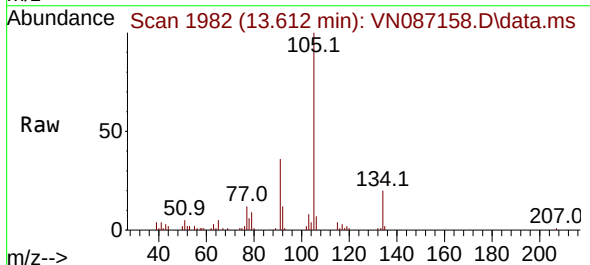
Tgt Ion:105 Resp: 973219
Ion Ratio Lower Upper
105 100
120 46.1 23.2 69.6

Manual Integrations
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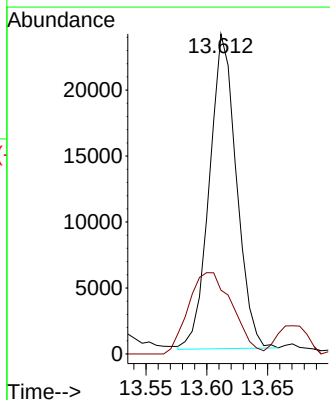
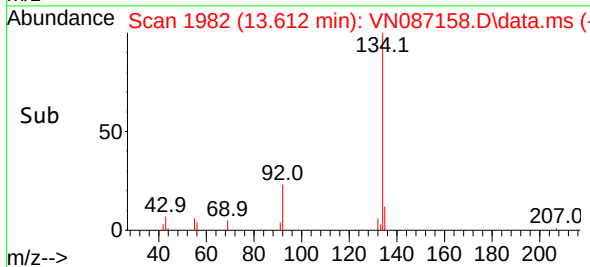
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

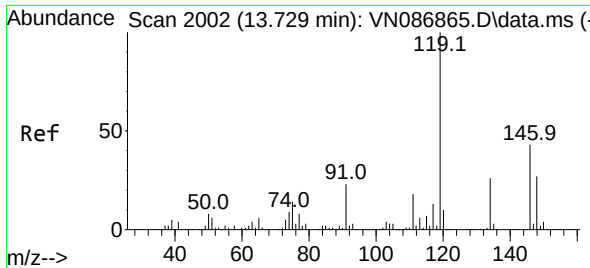


#85
sec-Butylbenzene
Concen: 3.396 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49



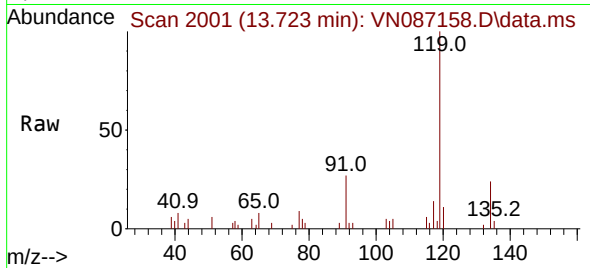
Tgt Ion:105 Resp: 36918
Ion Ratio Lower Upper
105 100
134 41.8 10.0 30.0#





#86
p-Isopropyltoluene
Concen: 1.329 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

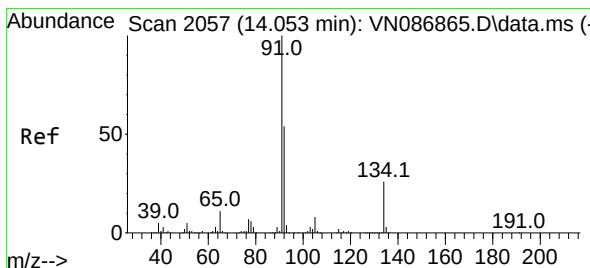
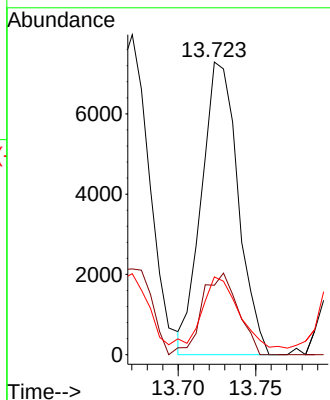
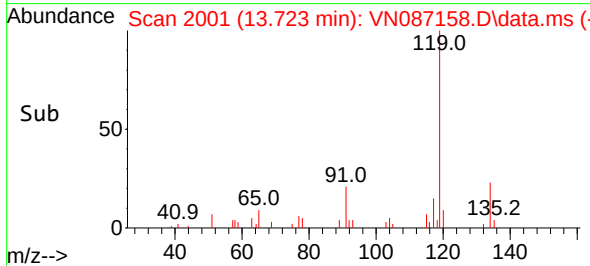
Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion:119 Resp: 11940
Ion Ratio Lower Upper
119 100
134 27.0 13.5 40.4
91 0.0 11.5 34.4

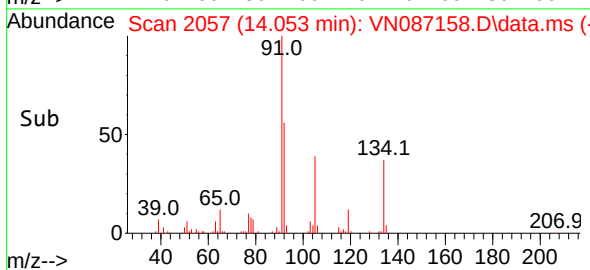
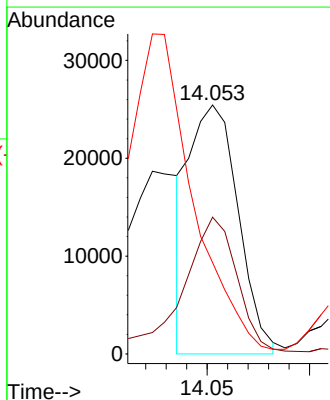
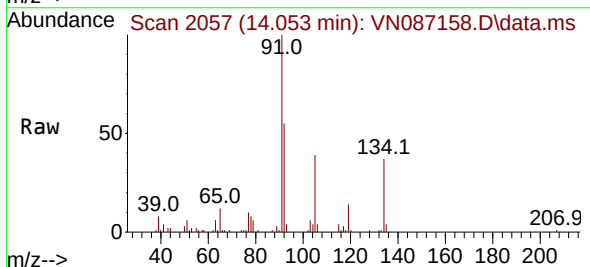
Manual Integrations
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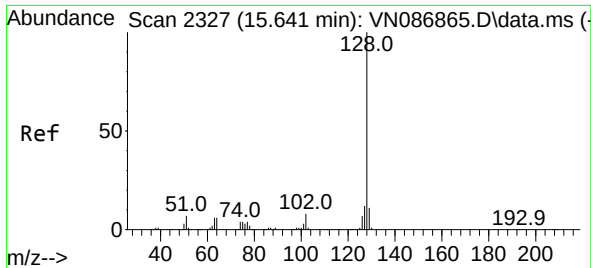
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025



#89
n-Butylbenzene
Concen: 4.871 ug/l m
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

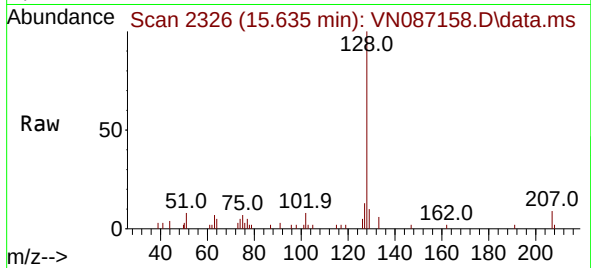
Tgt Ion: 91 Resp: 42393
Ion Ratio Lower Upper
91 100
92 59.1 27.5 82.4
134 0.0 13.0 39.0





#95
Naphthalene
Concen: 1.820 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN087158.D
Acq: 24 Jun 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion:128 Resp: 1857
Ion Ratio Lower Upper
128 100
127 14.8 10.2 15.2
129 12.0 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

