

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087106.D
 Acq On : 19 Jun 2025 13:17
 Operator : JC\MD
 Sample : Q2333-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-06

Manual Integrations
 APPROVED

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

Quant Time: Jun 20 01:23:37 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	163392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	328324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	120353	55.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.040%			
35) Dibromofluoromethane	8.177	113	104788	53.856	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.720%			
50) Toluene-d8	10.565	98	390073	50.642	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.280%			
62) 4-Bromofluorobenzene	12.847	95	137135	47.920	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.840%			
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	3613	3.114	ug/l	90
39) Methylcyclohexane	9.606	83	8864	2.232	ug/l	97
40) Benzene	8.612	78	29365	3.097	ug/l	97
67) Ethyl Benzene	11.959	91	15063	1.411	ug/l	91
68) m/p-Xylenes	12.076	106	4232	1.036	ug/l	91
73) Isopropylbenzene	12.694	105	140969	14.714	ug/l	99
78) n-propylbenzene	13.035	91	424264	36.441	ug/l	98
85) sec-Butylbenzene	13.612	105	26748	2.544	ug/l #	58
89) n-Butylbenzene	14.053	91	14139m	1.679	ug/l	
95) Naphthalene	15.635	128	226720	22.968	ug/l	100

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

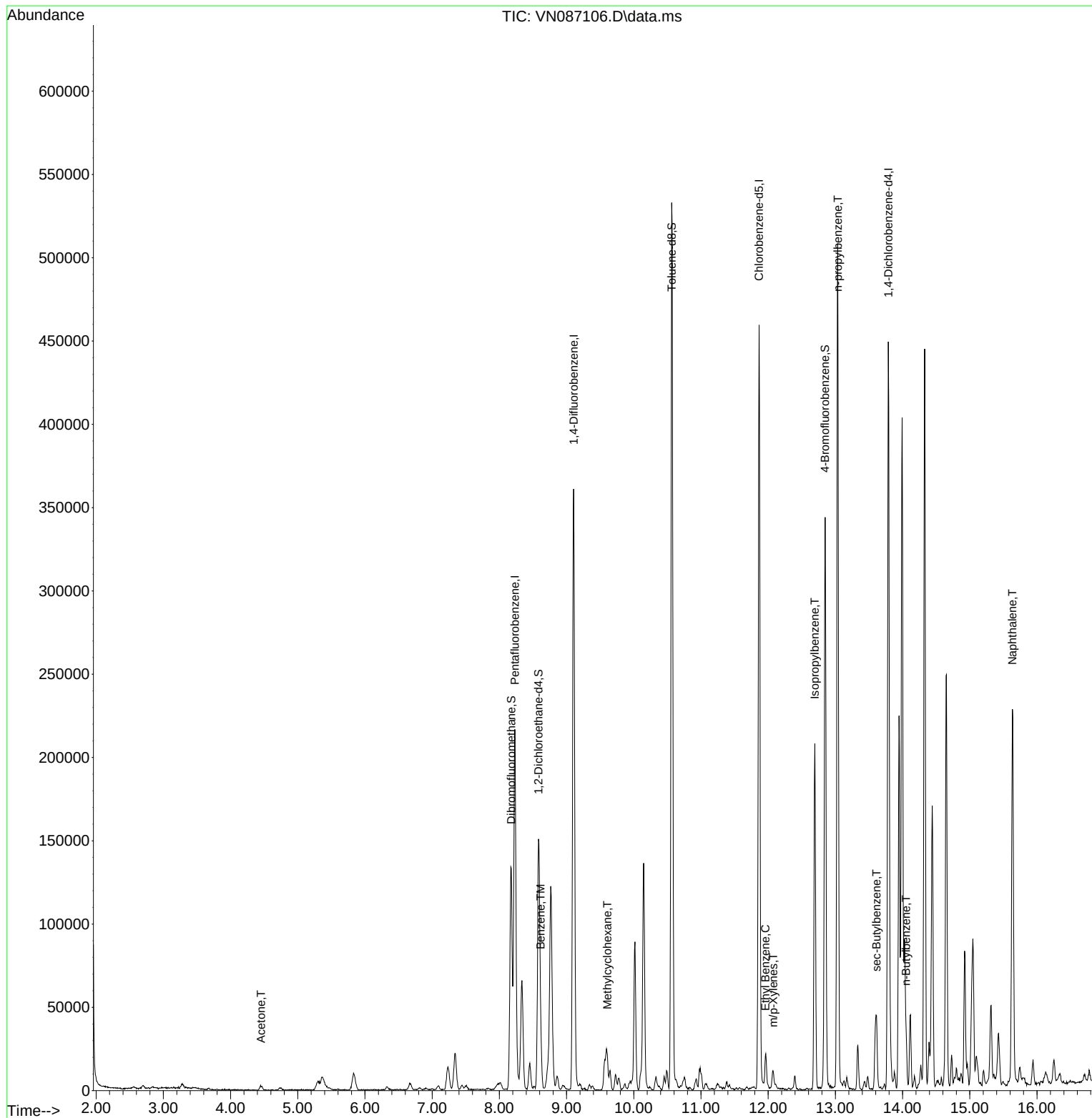
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
Data File : VN087106.D
Acq On : 19 Jun 2025 13:17
Operator : JC\MD
Sample : Q2333-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

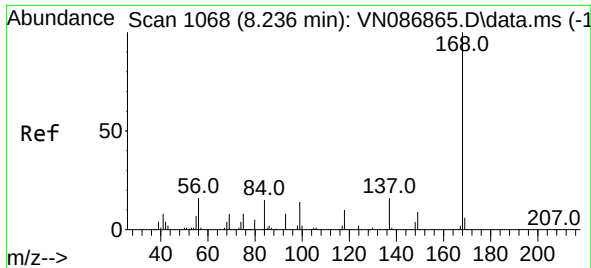
Instrument :
MSVOA_N
ClientSampleId :
MW-06

Quant Time: Jun 20 01:23:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

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





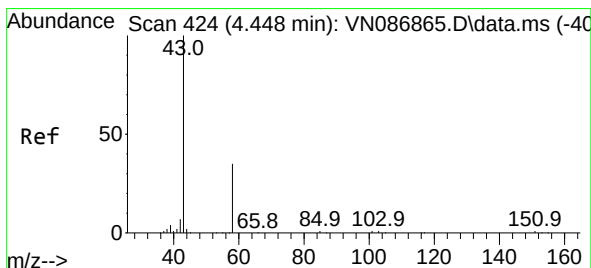
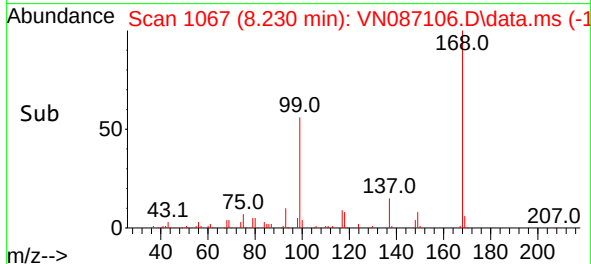
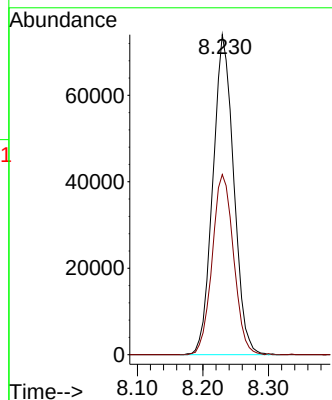
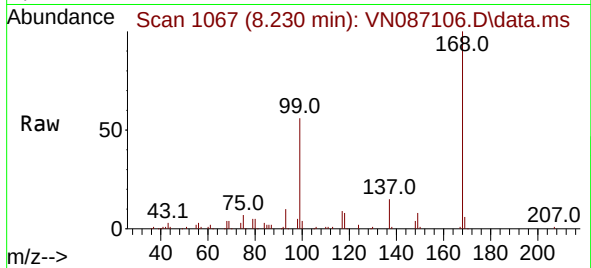
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
MW-06

Tgt Ion:168 Resp: 163392
Ion Ratio Lower Upper
168 100
99 56.3 49.1 73.7

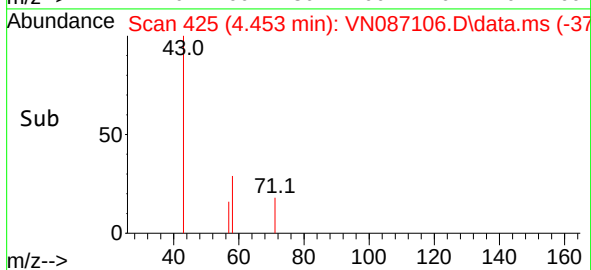
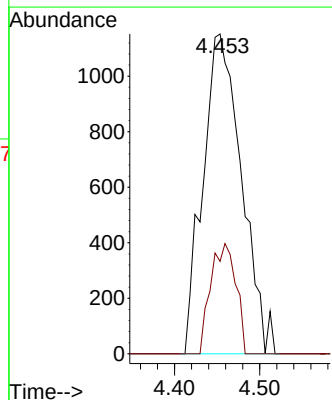
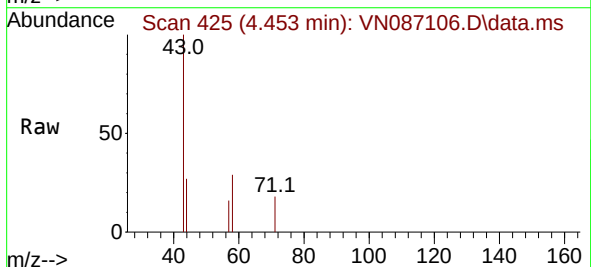
Manual Integrations
APPROVED

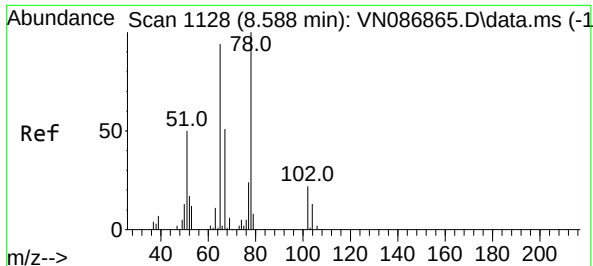
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#16
Acetone
Concen: 3.114 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

Tgt Ion: 43 Resp: 3613
Ion Ratio Lower Upper
43 100
58 28.9 28.0 42.0





#33

1,2-Dichloroethane-d4

Concen: 55.015 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087106.D

Acq: 19 Jun 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

MW-06

Tgt Ion: 65 Resp: 12035

Ion Ratio Lower Upper

65 100

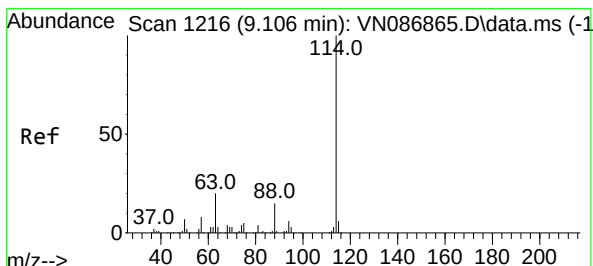
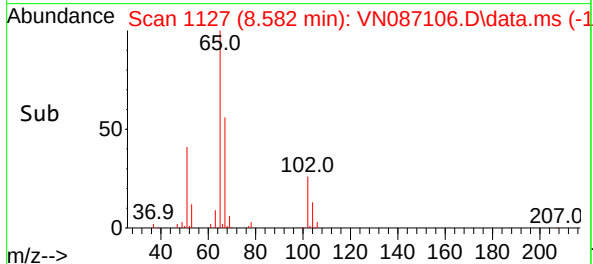
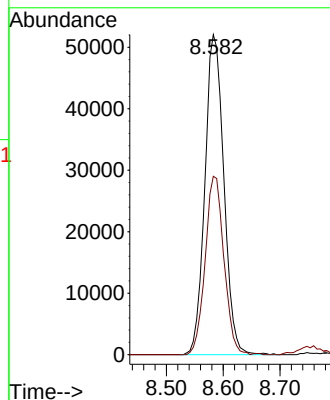
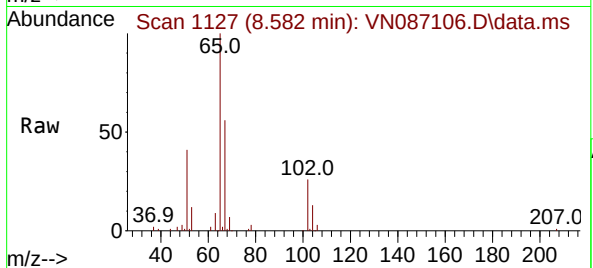
67 55.1 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/20/2025

Supervised By :Mahesh Dadoda 06/21/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087106.D

Acq: 19 Jun 2025 13:17

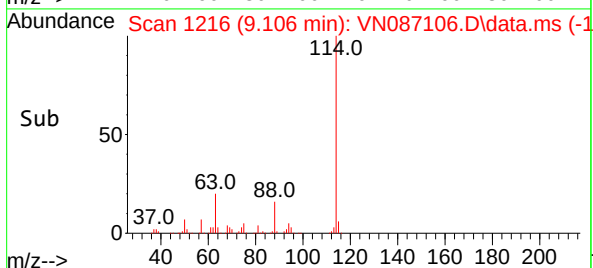
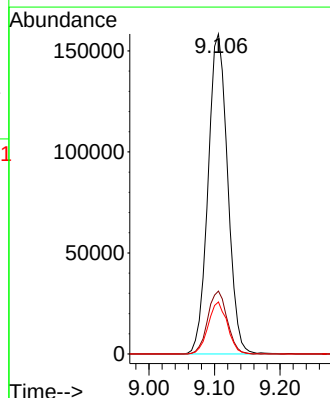
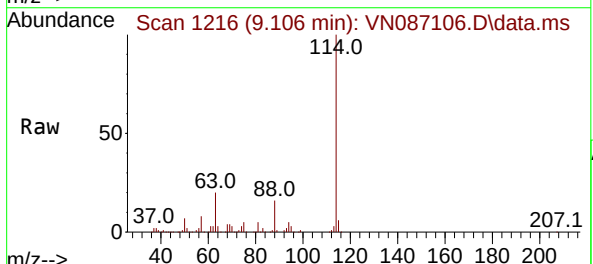
Tgt Ion:114 Resp: 328324

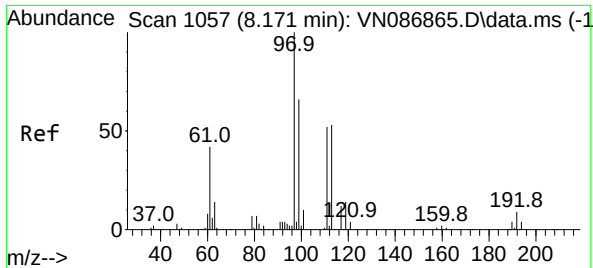
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

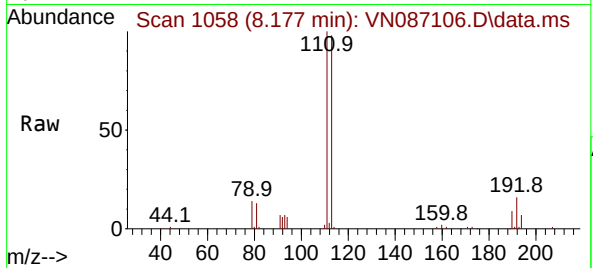
88 16.3 0.0 30.2





#35
Dibromofluoromethane
Concen: 53.856 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

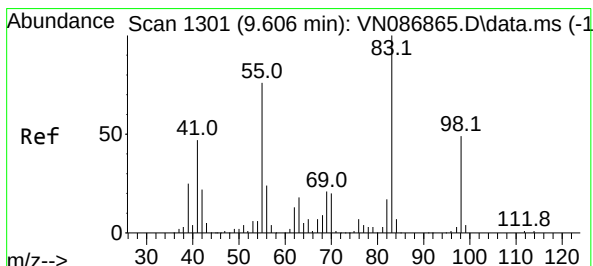
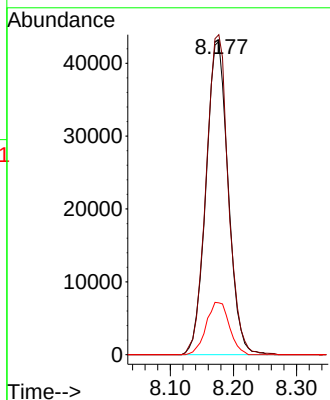
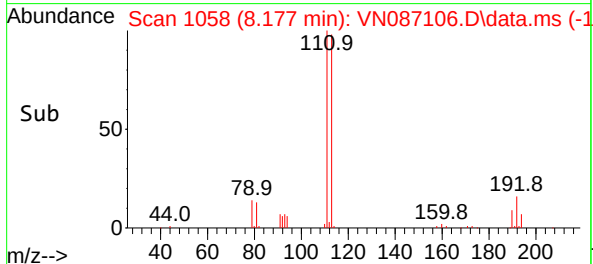
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion:113 Resp: 104788
Ion Ratio Lower Upper
113 100
111 102.5 84.2 126.2
192 17.4 14.2 21.4

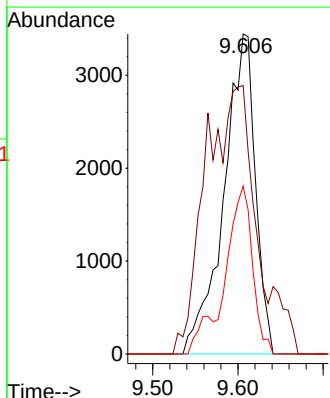
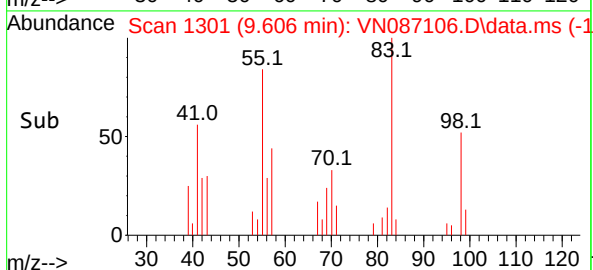
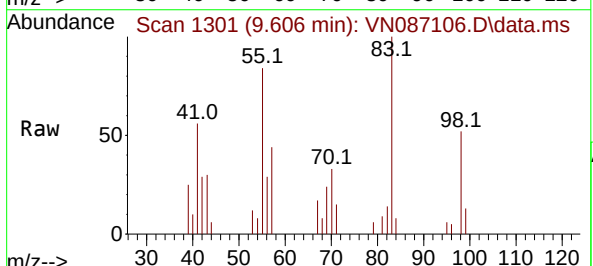
Manual Integrations
APPROVED

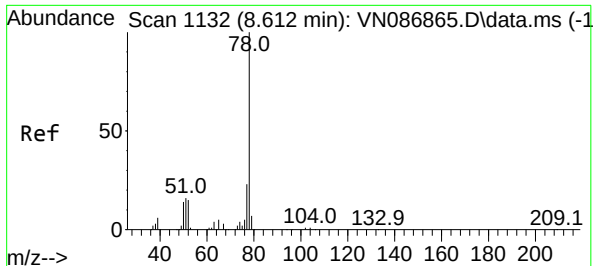
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#39
Methylcyclohexane
Concen: 2.232 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

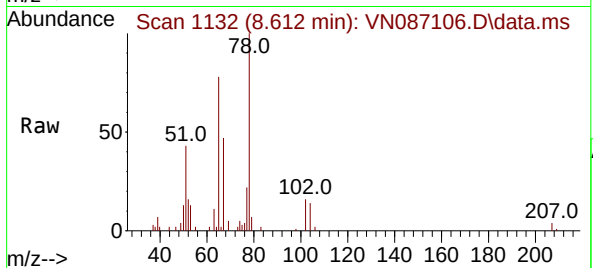
Tgt Ion: 83 Resp: 8864
Ion Ratio Lower Upper
83 100
55 77.3 61.0 91.6
98 52.4 38.9 58.3





#40
Benzene
Concen: 3.097 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

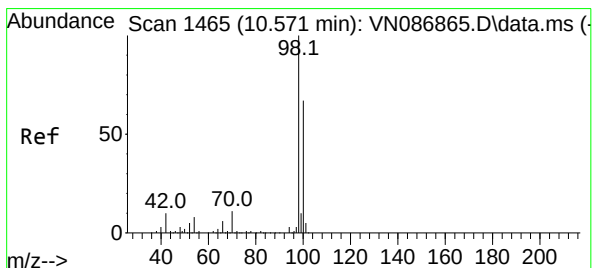
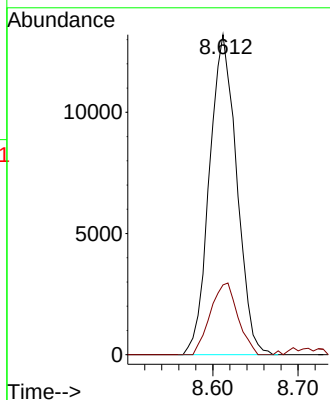
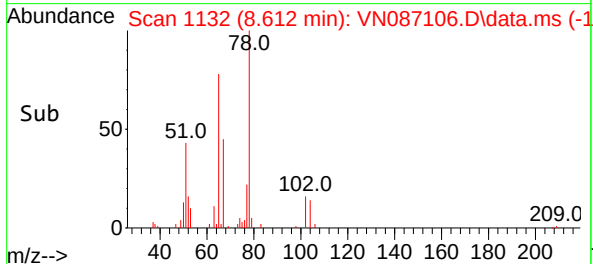
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion: 78 Resp: 2936
Ion Ratio Lower Upper
78 100
77 21.8 18.7 28.1

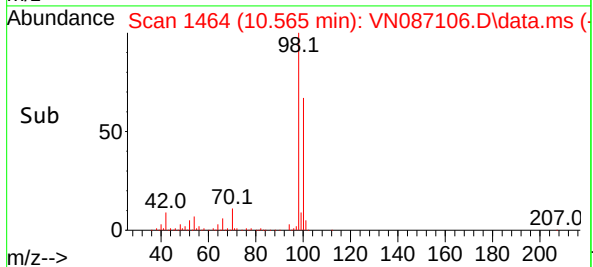
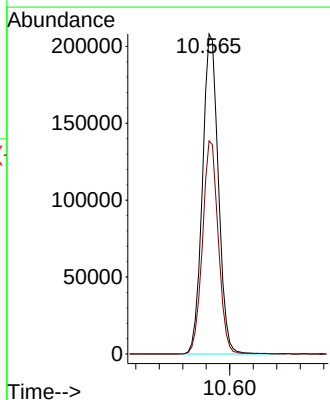
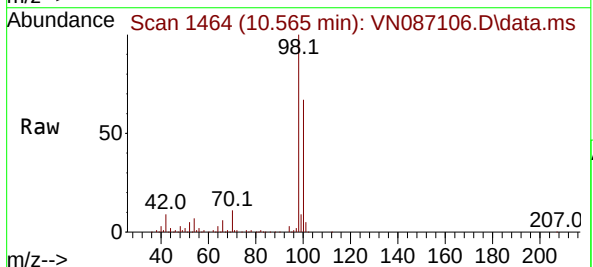
Manual Integrations
APPROVED

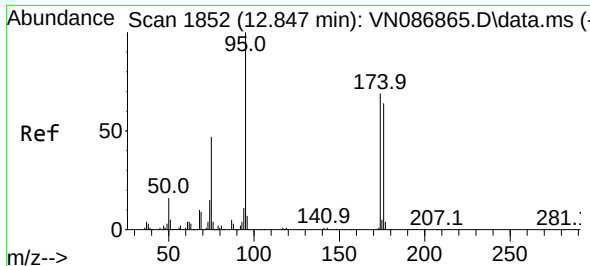
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#50
Toluene-d8
Concen: 50.642 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

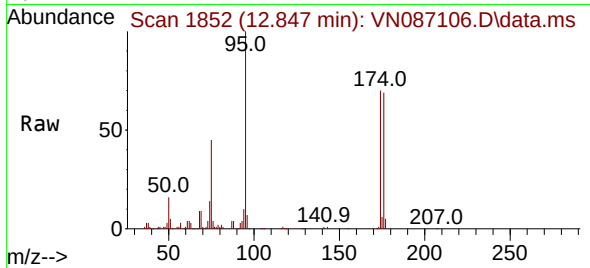
Tgt Ion: 98 Resp: 390073
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0





#62
4-Bromofluorobenzene
Concen: 47.920 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

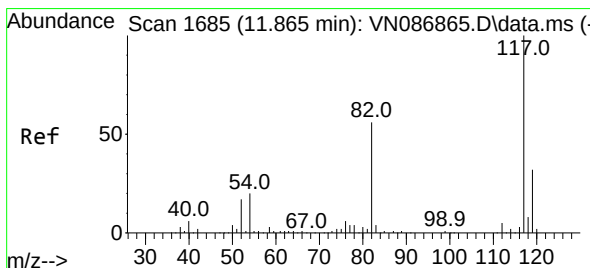
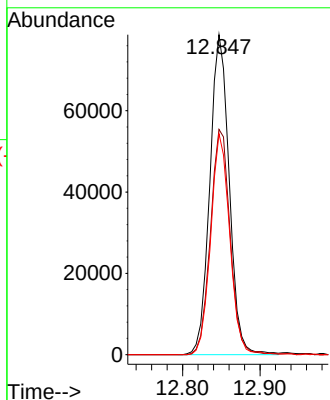
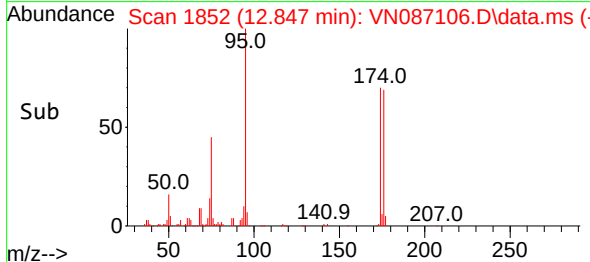
Instrument :
MSVOA_N
ClientSampleId :
MW-06



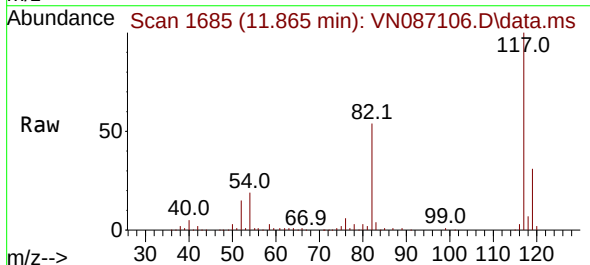
Tgt Ion: 95 Resp: 137135
Ion Ratio Lower Upper
95 100
174 71.8 0.0 141.8
176 67.9 0.0 132.6

Manual Integrations
APPROVED

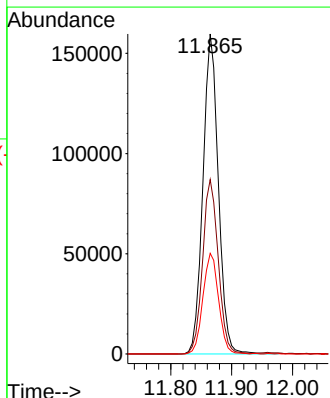
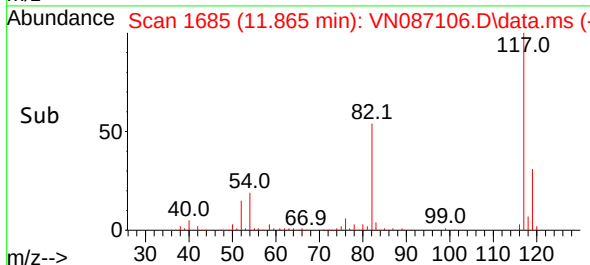
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

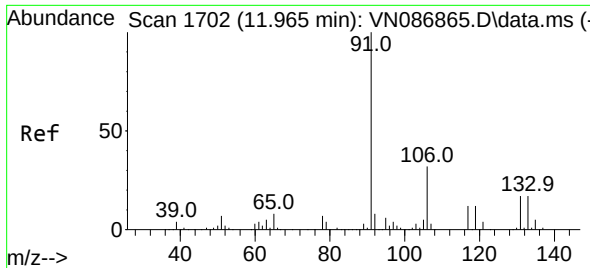


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17



Tgt Ion:117 Resp: 281009
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 31.5 25.5 38.3





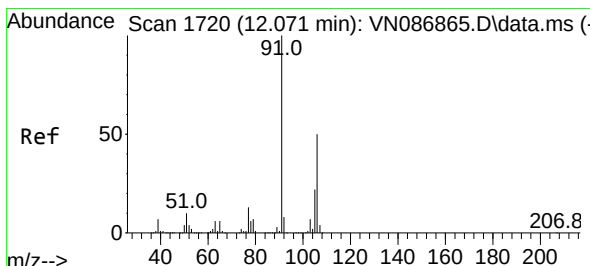
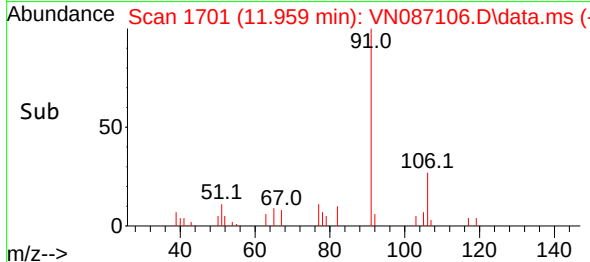
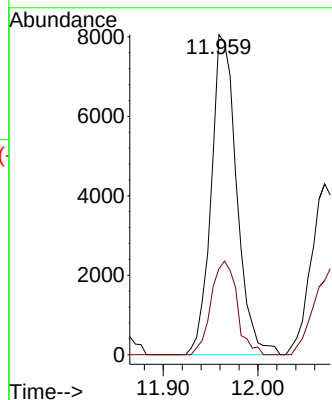
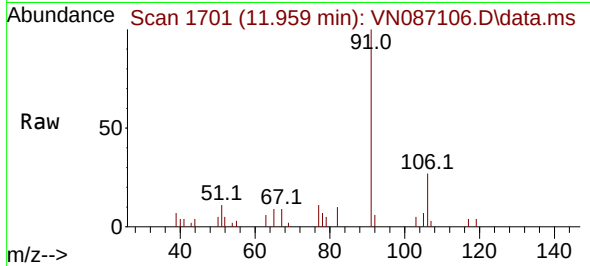
#67
Ethyl Benzene
Concen: 1.411 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
MW-06

Tgt Ion: 91 Resp: 1506
Ion Ratio Lower Upper
91 100
106 26.8 25.4 38.2

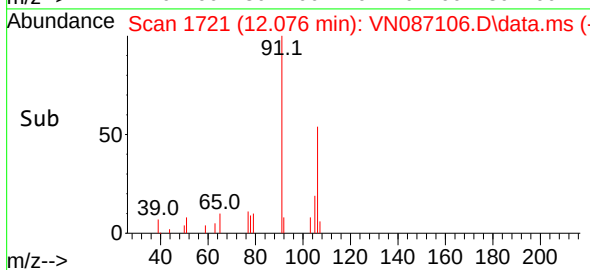
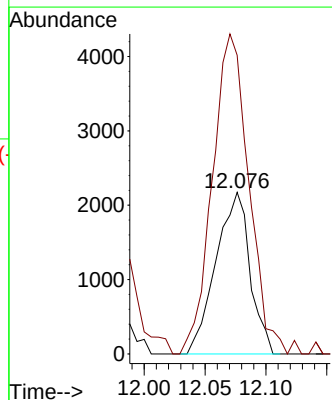
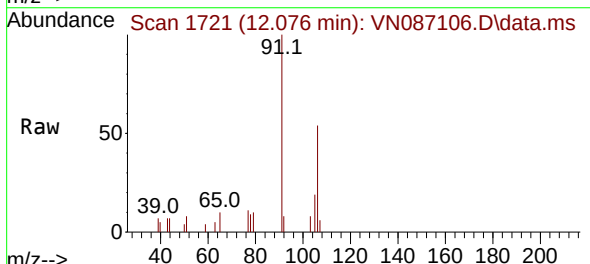
Manual Integrations
APPROVED

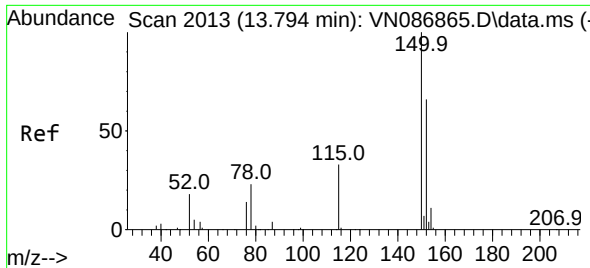
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#68
m/p-Xylenes
Concen: 1.036 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

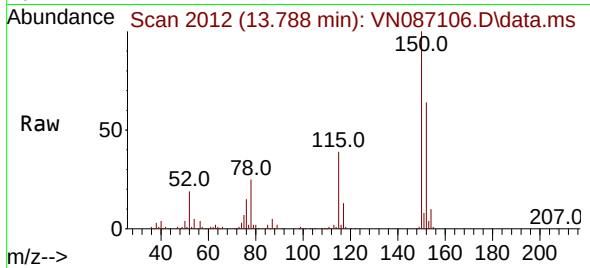
Tgt Ion:106 Resp: 4232
Ion Ratio Lower Upper
106 100
91 212.9 159.4 239.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

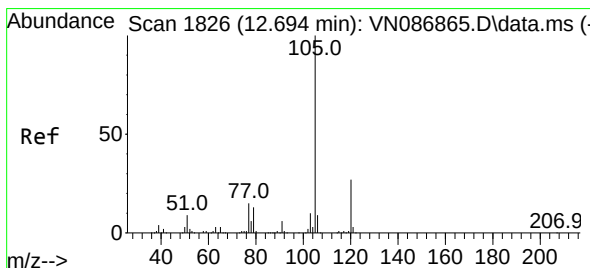
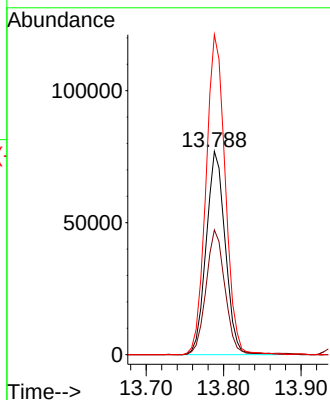
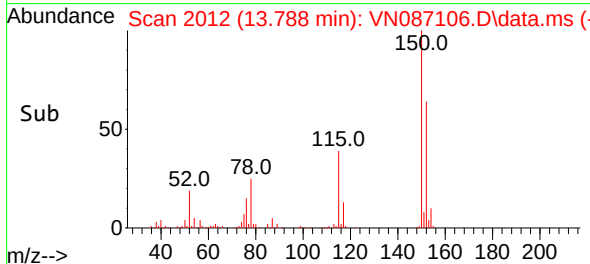
Instrument :
MSVOA_N
ClientSampleId :
MW-06



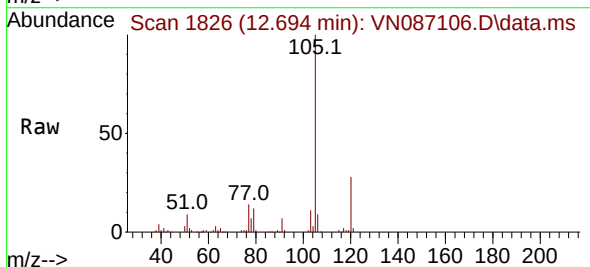
Tgt Ion:152 Resp: 131500
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.5
150 159.1 0.0 345.0

Manual Integrations
APPROVED

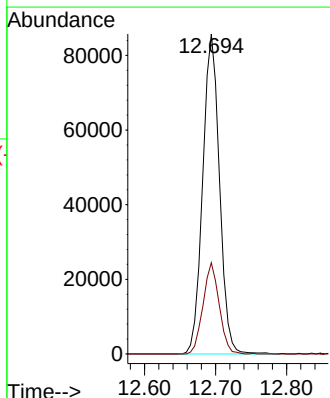
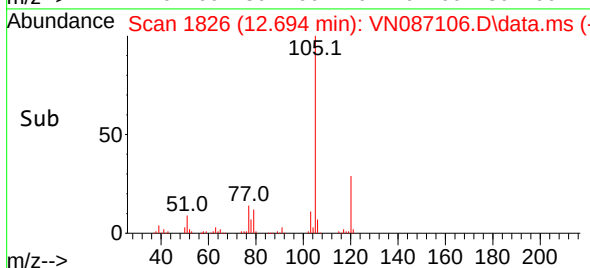
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

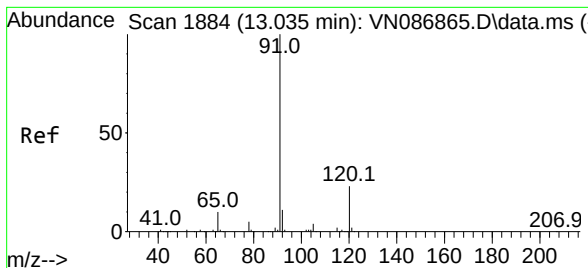


#73
Isopropylbenzene
Concen: 14.714 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17



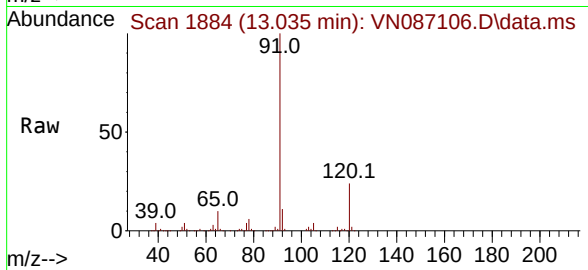
Tgt Ion:105 Resp: 140969
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.4





#78
n-propylbenzene
Concen: 36.441 ug/l
RT: 13.035 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

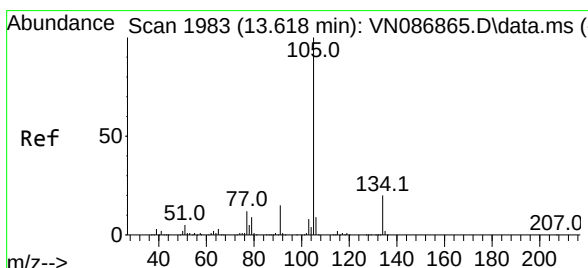
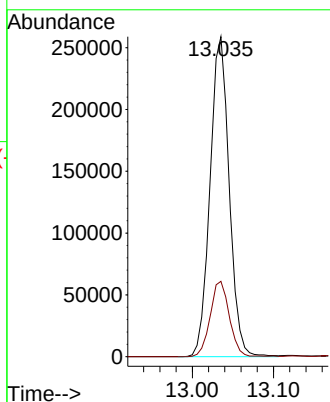
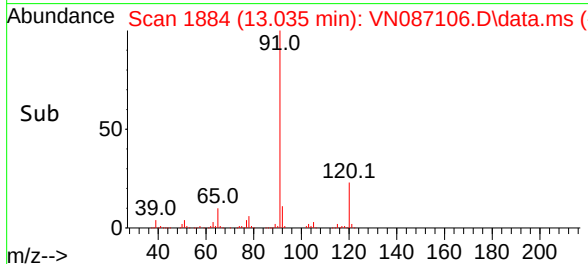
Instrument :
MSVOA_N
ClientSampleId :
MW-06



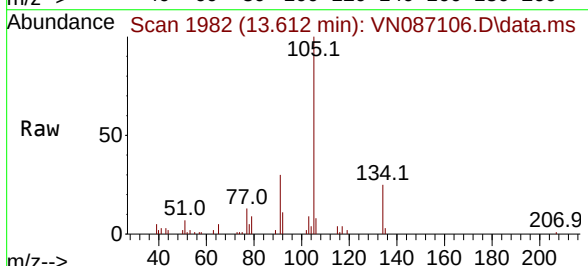
Tgt Ion: 91 Resp: 424264
Ion Ratio Lower Upper
91 100
120 23.7 11.4 34.2

Manual Integrations
APPROVED

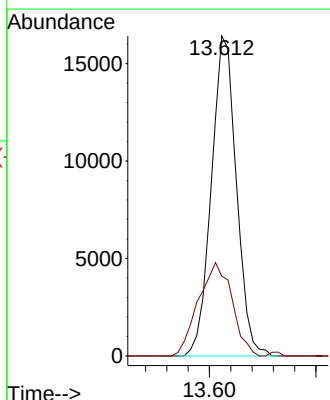
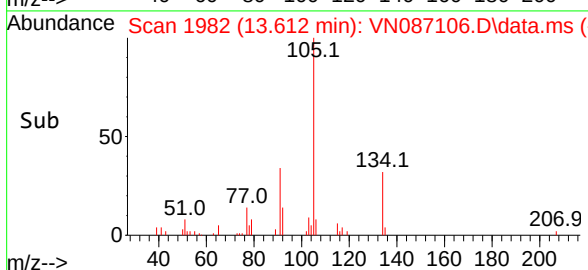
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

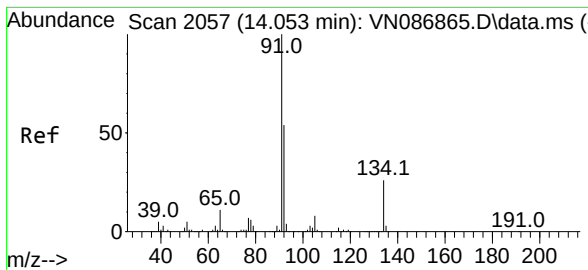


#85
sec-Butylbenzene
Concen: 2.544 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17



Tgt Ion:105 Resp: 26748
Ion Ratio Lower Upper
105 100
134 39.3 10.0 30.0#





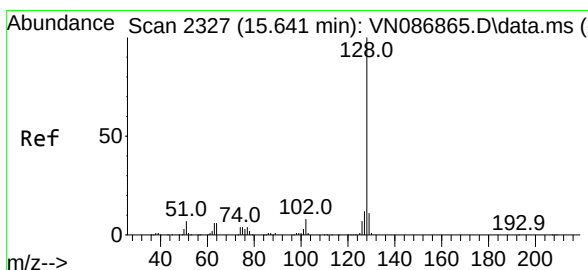
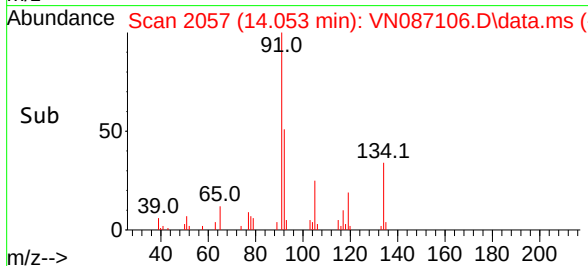
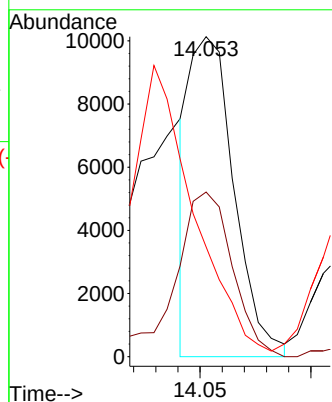
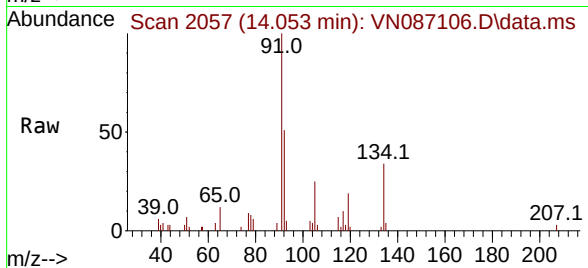
#89
n-Butylbenzene
Concen: 1.679 ug/l m
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
MW-06

Tgt Ion: 91 Resp: 14139
Ion Ratio Lower Upper
91 100
92 64.3 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: 22.968 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN087106.D
Acq: 19 Jun 2025 13:17

Tgt Ion:128 Resp: 226720
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.2 8.8 13.2

