

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086947.D
 Acq On : 11 Jun 2025 14:44
 Operator : JC\MD
 Sample : Q2202-03DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-20250603DL

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/12/2025
 Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:33:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	327908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	625927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	564664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	268318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	220773	50.286	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.580%			
35) Dibromofluoromethane	8.177	113	185860	50.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.220%			
50) Toluene-d8	10.571	98	767042	52.235	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.460%			
62) 4-Bromofluorobenzene	12.847	95	279781	51.282	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.560%			
Target Compounds					Qvalue	
17) Carbon Disulfide	4.924	76	57255m	5.671	ug/l	
39) Methylcyclohexane	9.606	83	26176	3.457	ug/l	98
40) Benzene	8.618	78	14184	0.785	ug/l #	89
52) Toluene	10.635	92	4430	0.401	ug/l	100
67) Ethyl Benzene	11.965	91	943329	43.975	ug/l	99
68) m/p-Xylenes	12.076	106	21581	2.628	ug/l	98
69) o-Xylene	12.394	106	19692	2.504	ug/l	98
73) Isopropylbenzene	12.694	105	228879	11.709	ug/l	99
78) n-propylbenzene	13.035	91	311450	13.111	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	76481	4.739	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	697118	43.077	ug/l	98
86) p-Isopropyltoluene	13.729	119	21934m	1.237	ug/l	
89) n-Butylbenzene	14.053	91	16876m	0.982	ug/l	

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

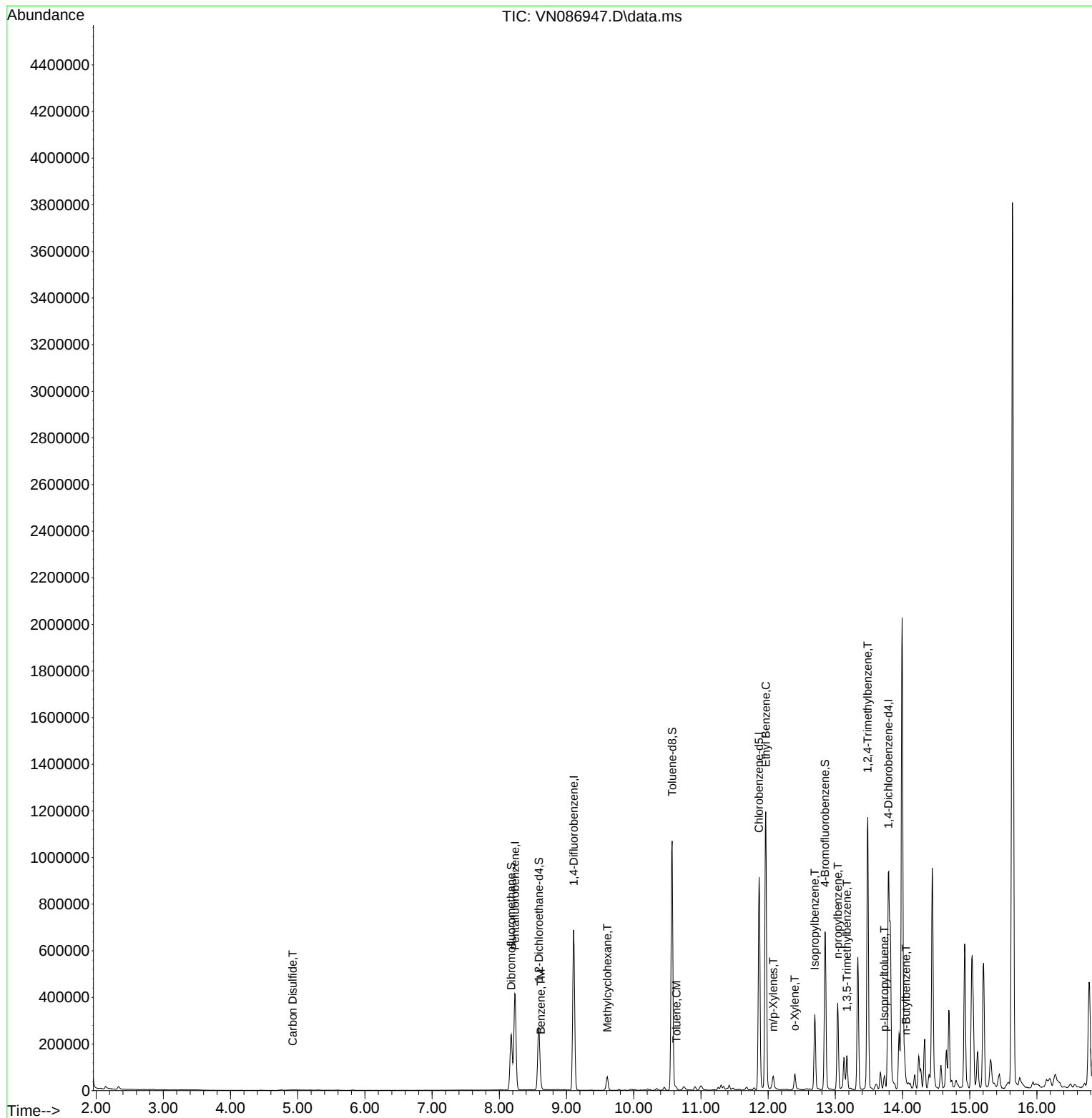
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086947.D
Acq On : 11 Jun 2025 14:44
Operator : JC\MD
Sample : Q2202-03DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

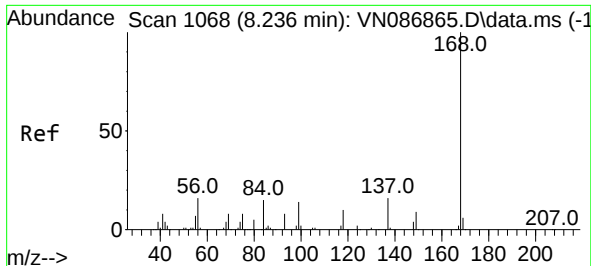
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

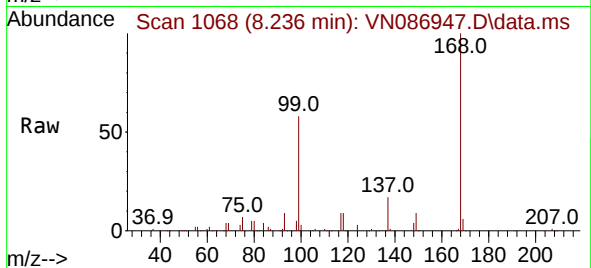
Quant Time: Jun 12 01:33:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

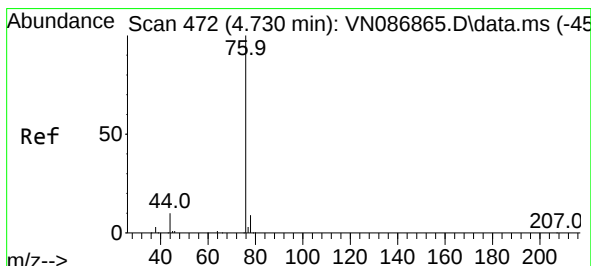
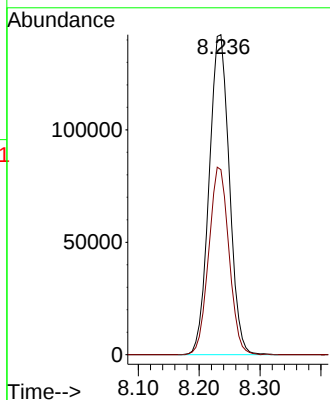
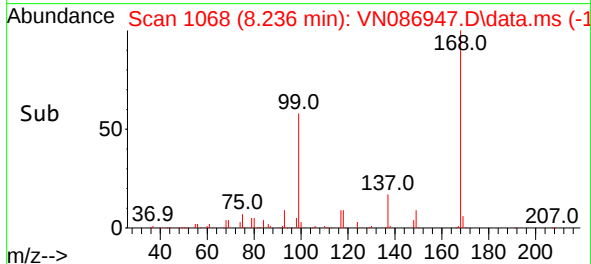
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL



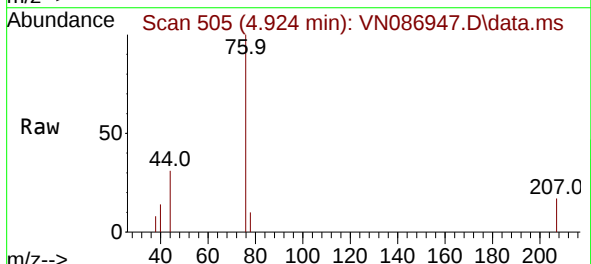
Tgt Ion:168 Resp: 327908
Ion Ratio Lower Upper
168 100
99 57.8 49.1 73.7

Manual Integrations
APPROVED

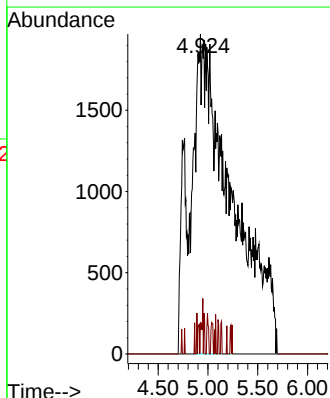
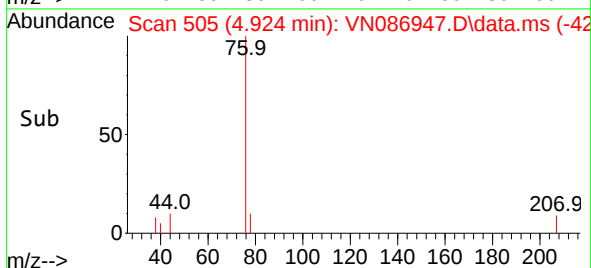
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

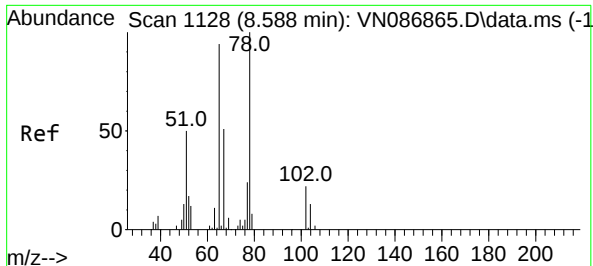


#17
Carbon Disulfide
Concen: 5.671 ug/l m
RT: 4.924 min Scan# 505
Delta R.T. 0.194 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44



Tgt Ion: 76 Resp: 57255
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9





#33

1,2-Dichloroethane-d4

Concen: 50.286 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW-12-20250603DL

Tgt Ion: 65 Resp: 22077

Ion Ratio Lower Upper

65 100

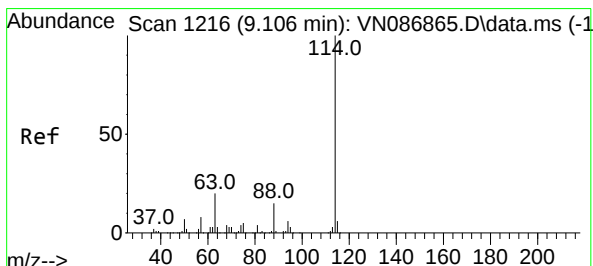
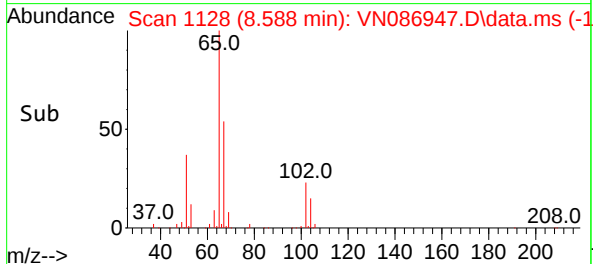
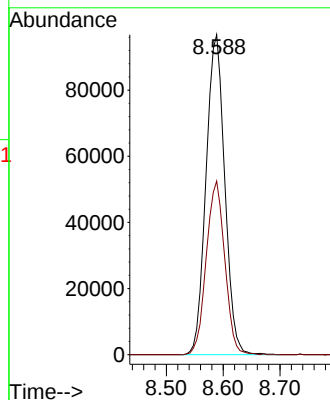
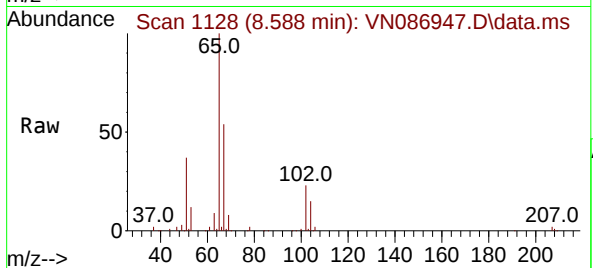
67 53.7 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/12/2025

Supervised By :Semsettin Yesilyurt 06/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

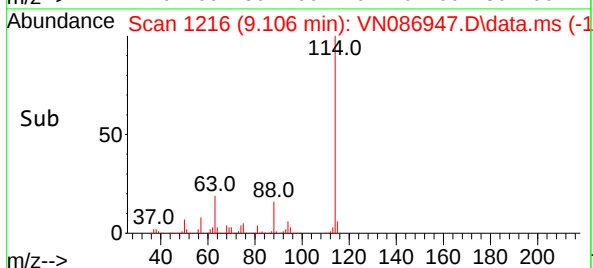
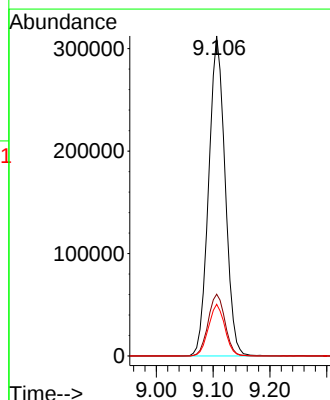
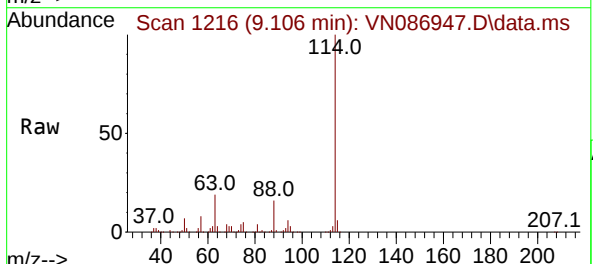
Tgt Ion:114 Resp: 625927

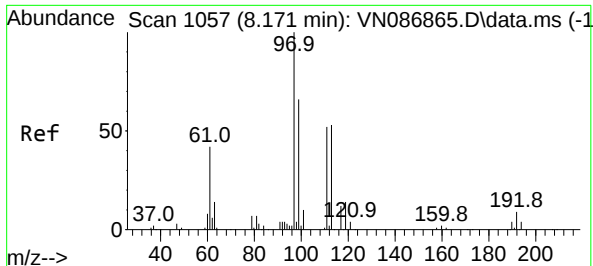
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 16.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.105 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW-12-20250603DL

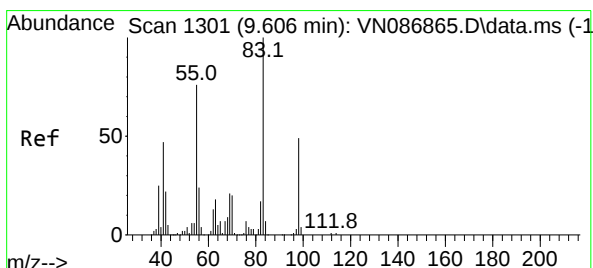
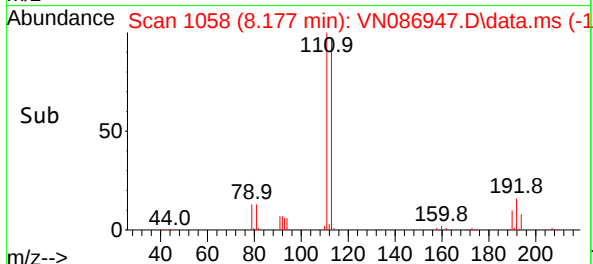
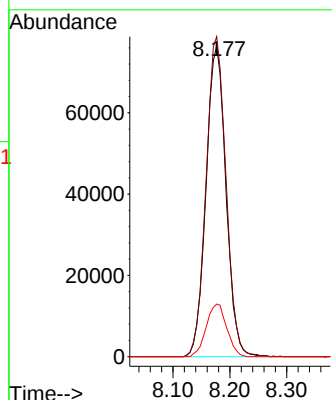
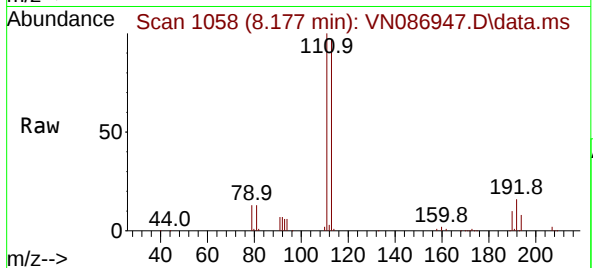
Tgt Ion: 113 Resp: 18586

Ion	Ratio	Lower	Upper
113	100		
111	103.2	84.2	126.2
192	17.5	14.2	21.4

Manual Integrations

APPROVED

Reviewed By : John Carlone 06/12/2025
Supervised By : Semsettin Yesilyurt 06/12/2025



#39

Methylcyclohexane

Concen: 3.457 ug/l

RT: 9.606 min Scan# 1301

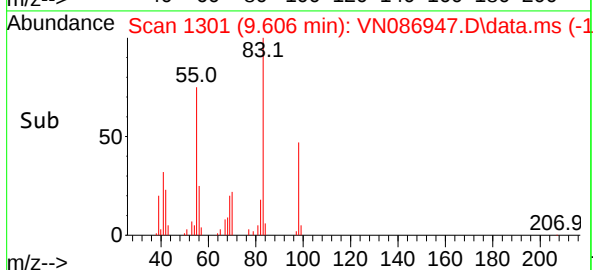
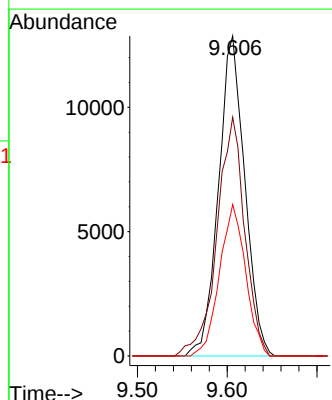
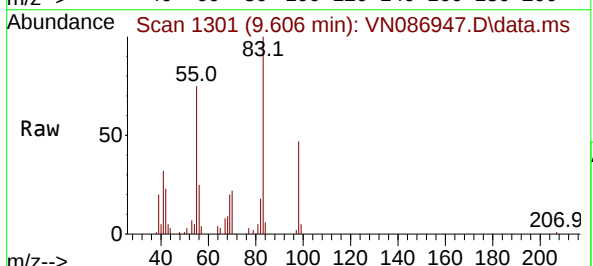
Delta R.T. -0.000 min

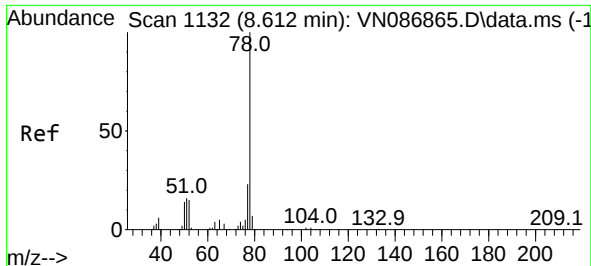
Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

Tgt Ion: 83 Resp: 26176

Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.0	91.6
98	47.3	38.9	58.3





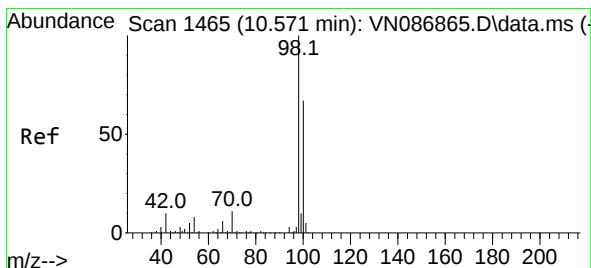
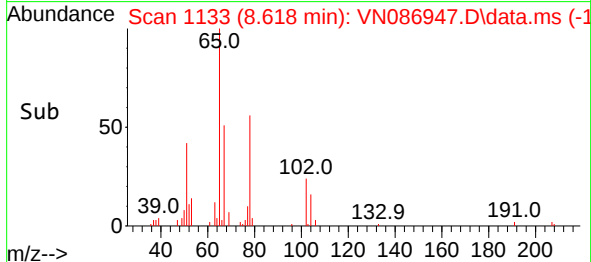
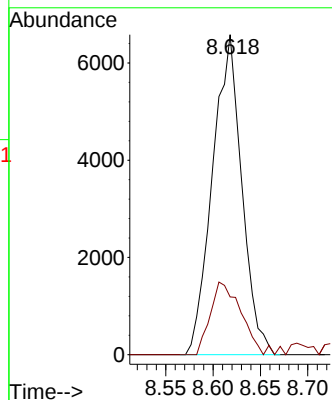
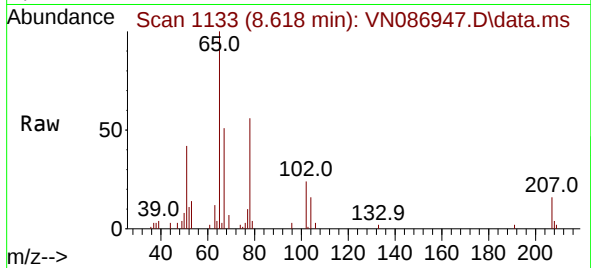
#40
Benzene
Concen: 0.785 ug/l
RT: 8.618 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL

Tgt Ion: 78 Resp: 14184
Ion Ratio Lower Upper
78 100
77 18.1 18.7 28.1

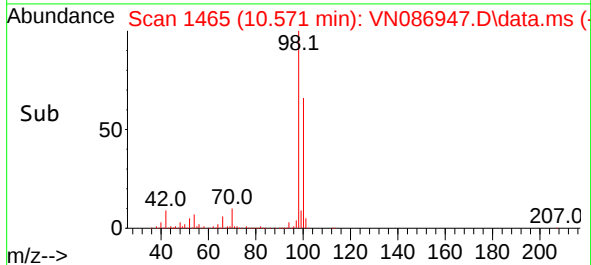
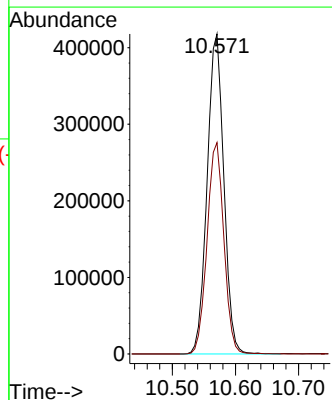
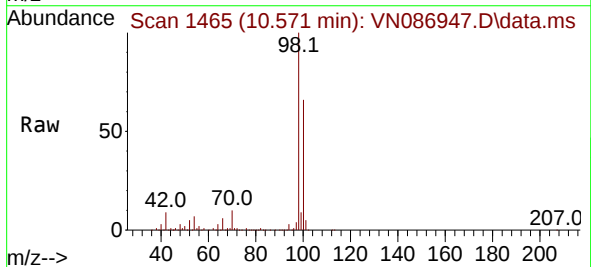
Manual Integrations
APPROVED

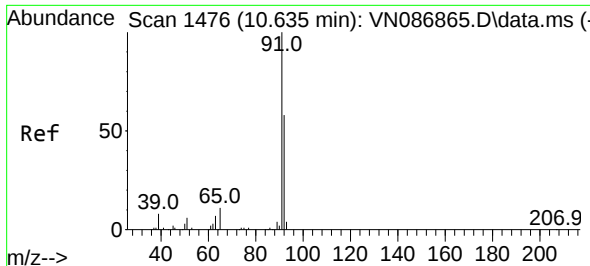
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#50
Toluene-d8
Concen: 52.235 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

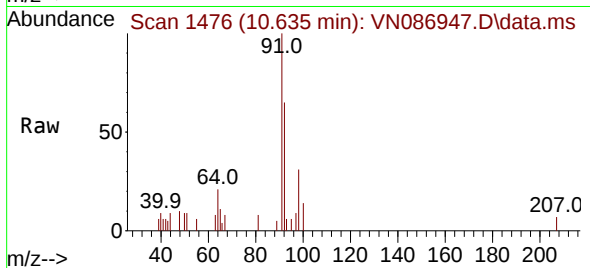
Tgt Ion: 98 Resp: 767042
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0





#52
Toluene
Concen: 0.401 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

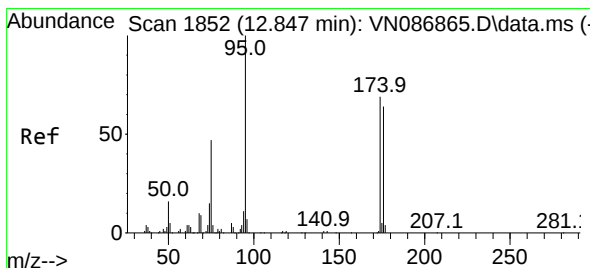
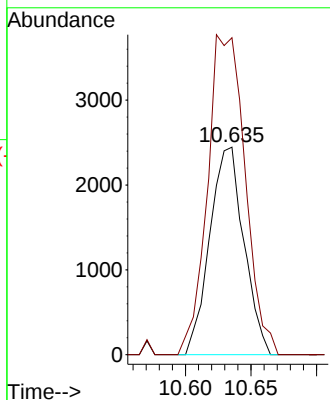
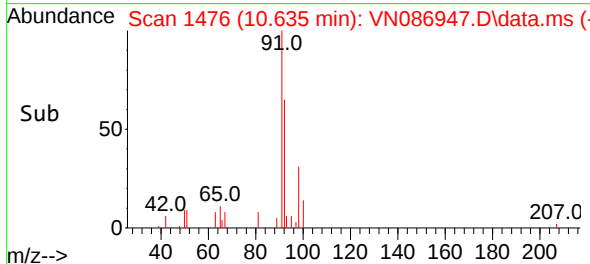
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL



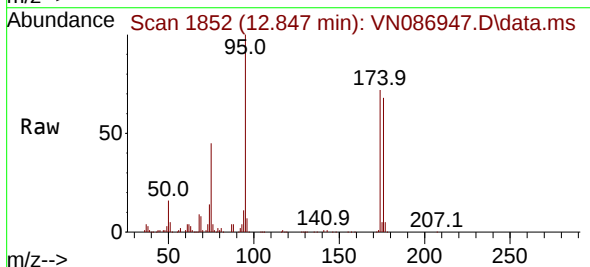
Tgt Ion: 92 Resp: 4430
Ion Ratio Lower Upper
92 100
91 170.0 136.5 204.7

Manual Integrations
APPROVED

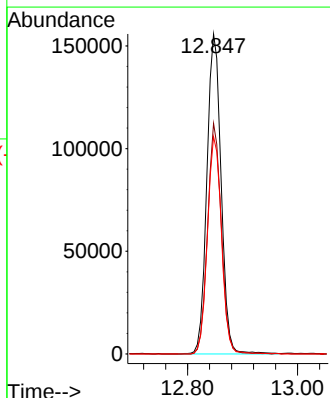
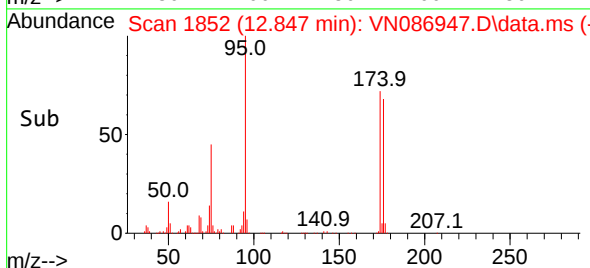
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

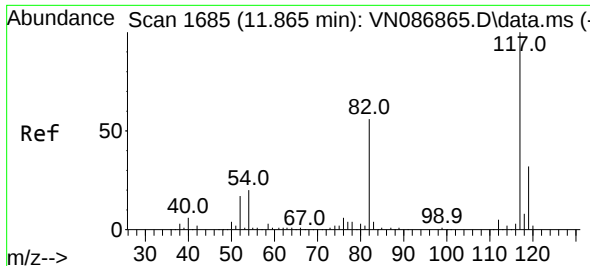


#62
4-Bromofluorobenzene
Concen: 51.282 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44



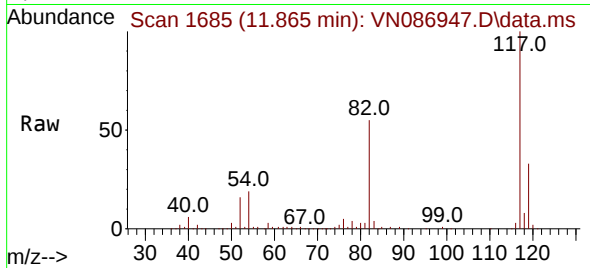
Tgt Ion: 95 Resp: 279781
Ion Ratio Lower Upper
95 100
174 69.9 0.0 141.8
176 67.2 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

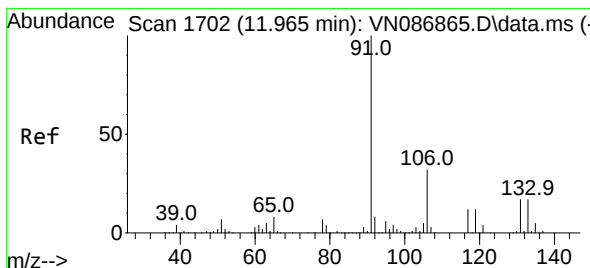
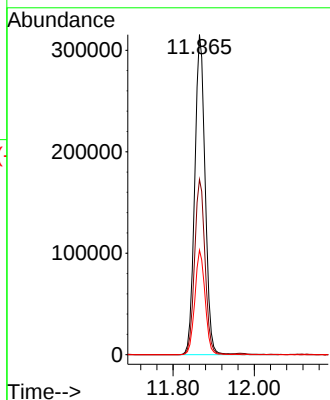
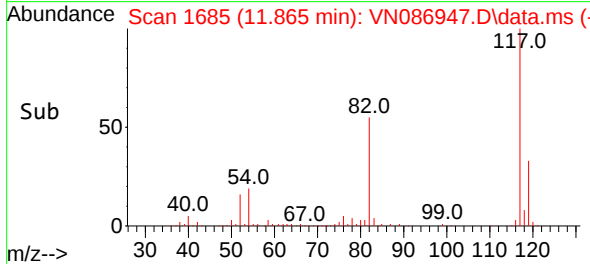
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL



Tgt Ion: 117 Resp: 564664
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 32.6 25.5 38.3

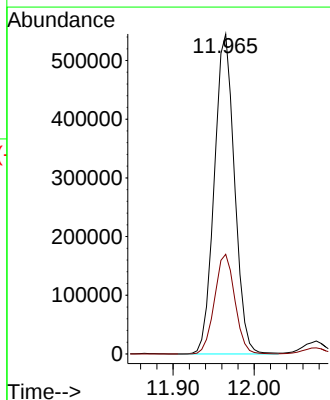
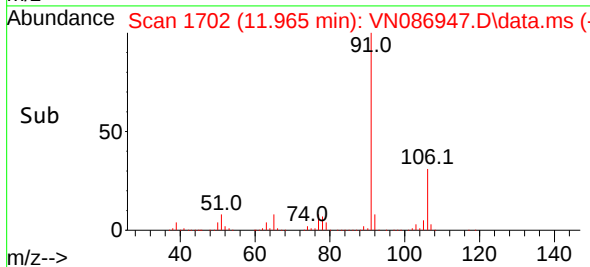
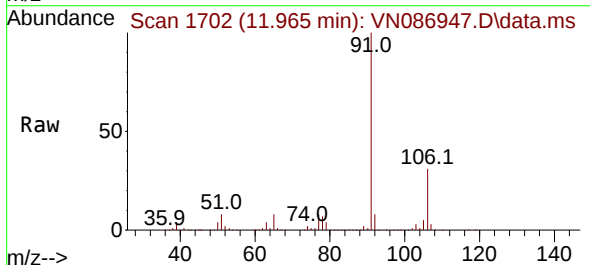
Manual Integrations
APPROVED

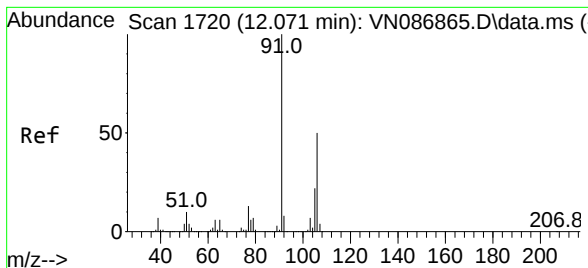
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#67
Ethyl Benzene
Concen: 43.975 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

Tgt Ion: 91 Resp: 943329
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2





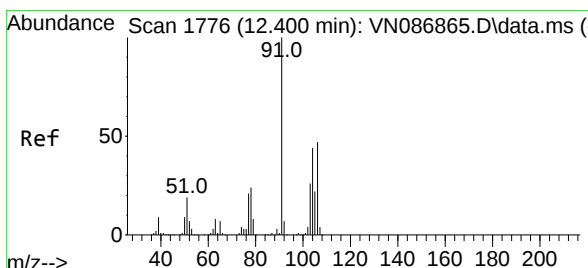
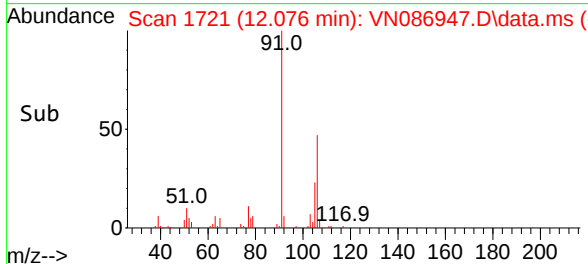
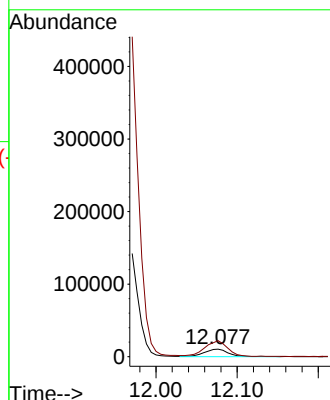
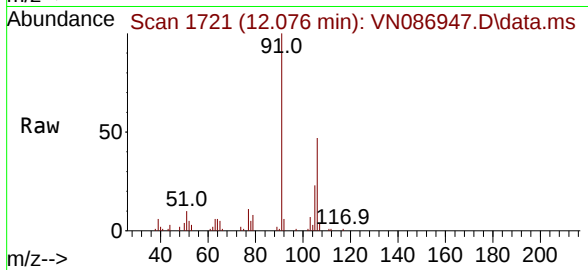
#68
m/p-Xylenes
Concen: 2.628 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL

Tgt Ion:106 Resp: 2158
Ion Ratio Lower Upper
106 100
91 196.4 159.4 239.0

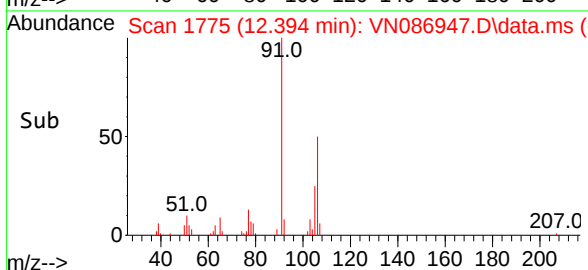
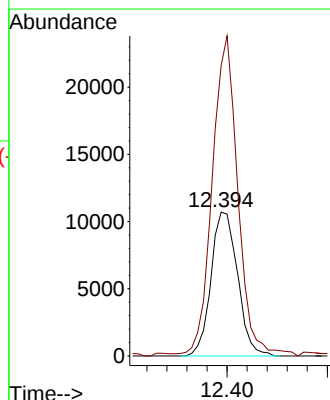
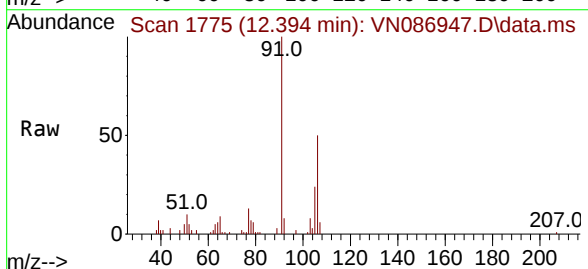
Manual Integrations
APPROVED

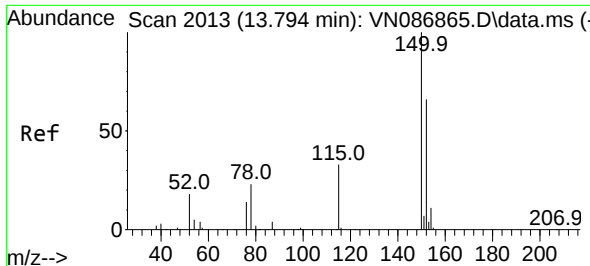
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#69
o-Xylene
Concen: 2.504 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

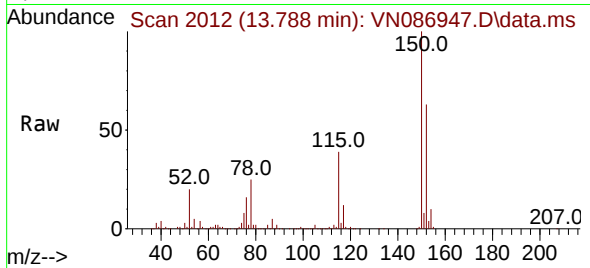
Tgt Ion:106 Resp: 19692
Ion Ratio Lower Upper
106 100
91 214.8 106.1 318.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

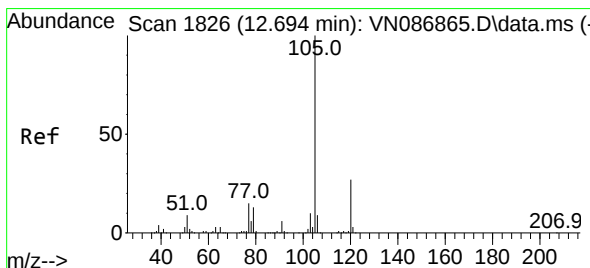
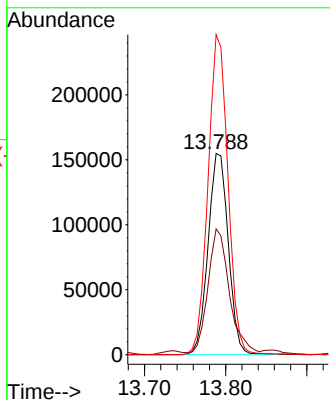
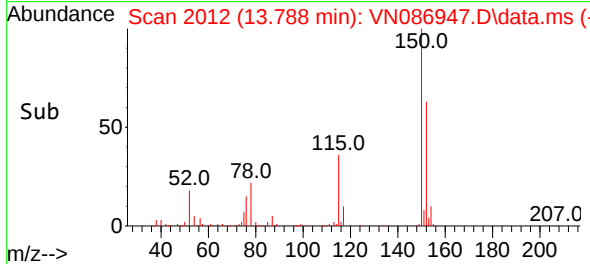
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL



Tgt Ion:152 Resp: 268318
Ion Ratio Lower Upper
152 100
115 64.0 30.1 90.5
150 156.8 0.0 345.0

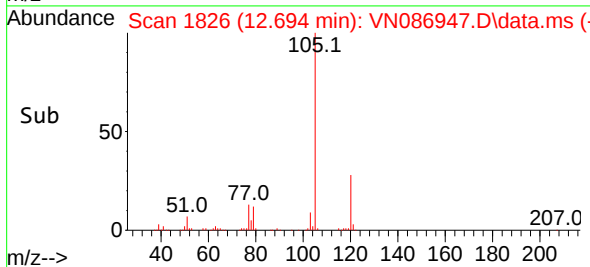
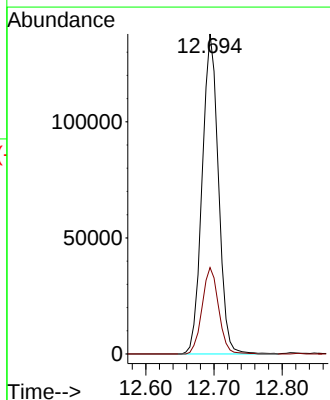
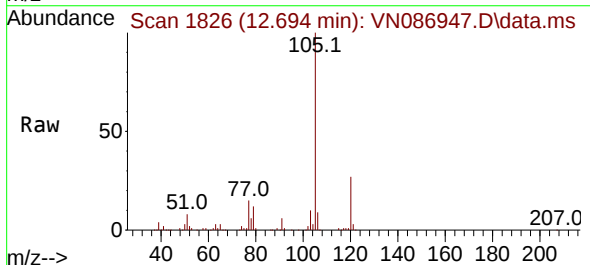
Manual Integrations
APPROVED

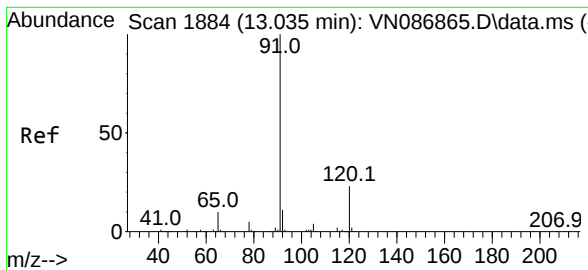
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#73
Isopropylbenzene
Concen: 11.709 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

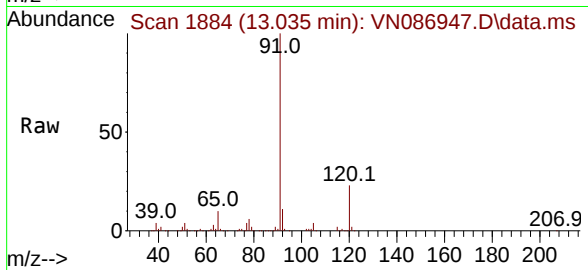
Tgt Ion:105 Resp: 228879
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.4





#78
n-propylbenzene
Concen: 13.111 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

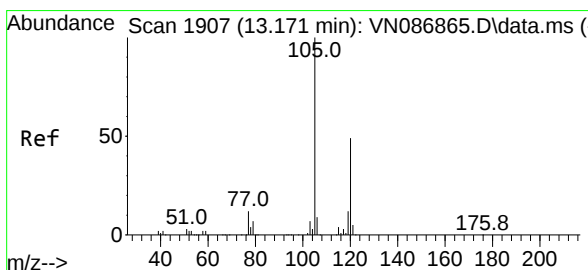
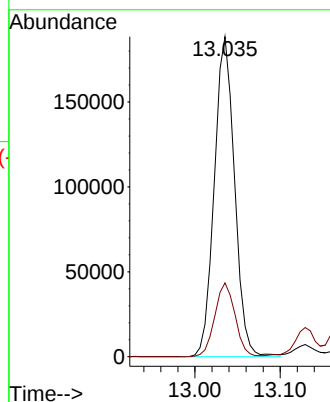
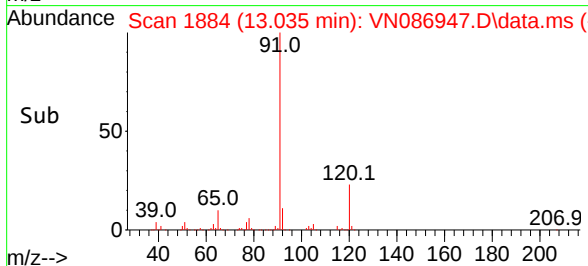
Instrument : MSVOA_N
ClientSampleId : MW-12-20250603DL



Tgt Ion: 91 Resp: 311450
Ion Ratio Lower Upper
91 100
120 23.1 11.4 34.2

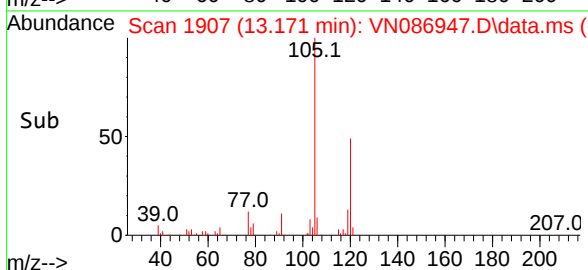
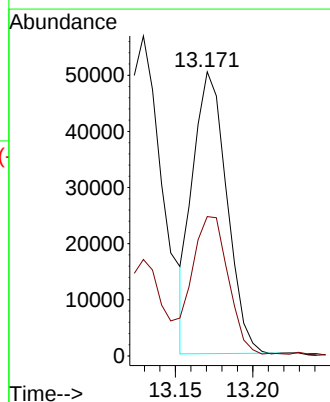
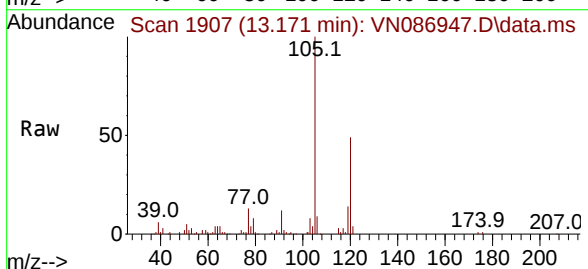
Manual Integrations
APPROVED

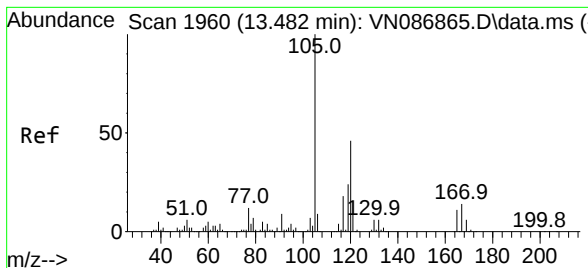
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#80
1,3,5-Trimethylbenzene
Concen: 4.739 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

Tgt Ion:105 Resp: 76481
Ion Ratio Lower Upper
105 100
120 53.8 24.9 74.6





#84

1,2,4-Trimethylbenzene

Concen: 43.077 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW-12-20250603DL

Tgt Ion:105 Resp: 697118

Ion Ratio Lower Upper

105 100

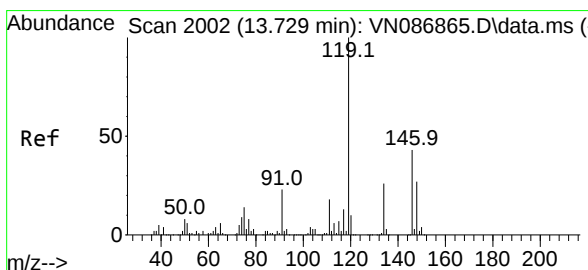
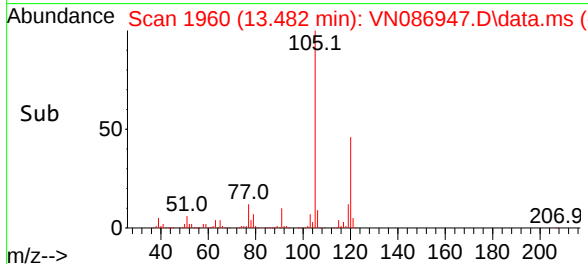
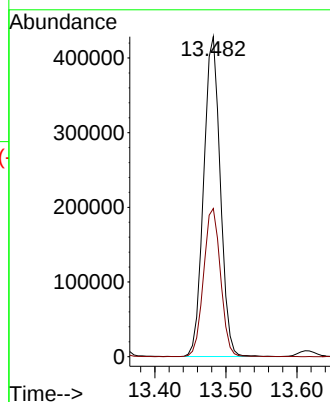
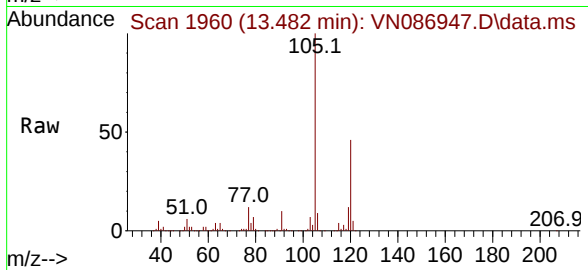
120 47.5 23.2 69.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/12/2025

Supervised By :Semsettin Yesilyurt 06/12/2025



#86

p-Isopropyltoluene

Concen: 1.237 ug/l m

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

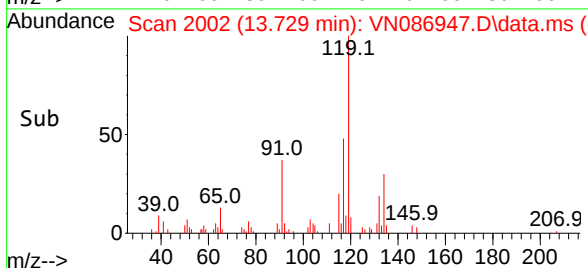
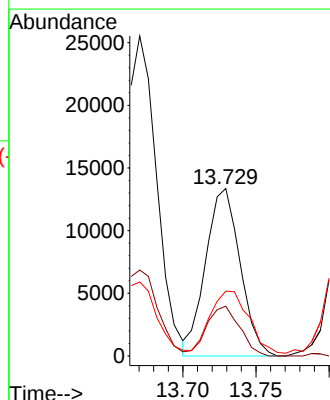
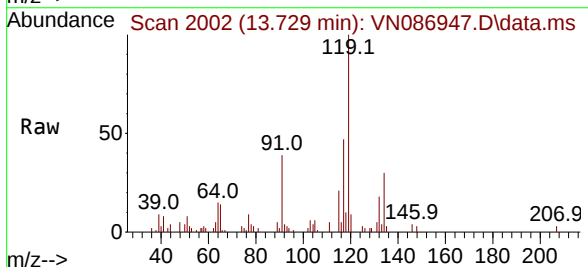
Tgt Ion:119 Resp: 21934

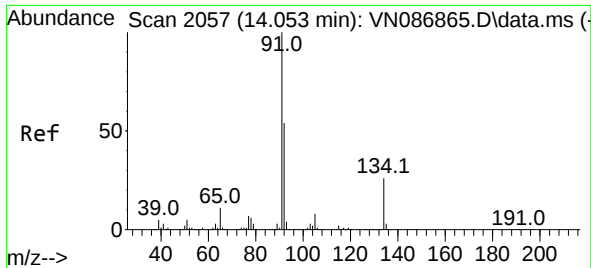
Ion Ratio Lower Upper

119 100

134 52.8 13.5 40.4#

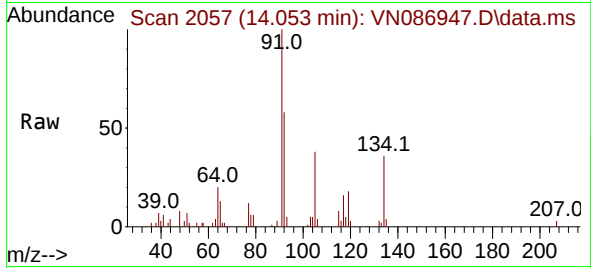
91 39.1 11.5 34.4#





#89
 n-Butylbenzene
 Concen: 0.982 ug/l m
 RT: 14.053 min Scan# 2057
 Delta R.T. -0.000 min
 Lab File: VN086947.D
 Acq: 11 Jun 2025 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-20250603DL



Tgt Ion: 91 Resp: 16870

Ion	Ratio	Lower	Upper
91	100		
92	0.0	27.5	82.4
134	0.0	13.0	39.0

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/12/2025
 Supervised By :Semsettin Yesilyurt 06/12/2025

