

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088137.D
 Acq On : 28 Oct 2025 14:20
 Operator : JC\MD
 Sample : Q3468-06DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12DL

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/29/2025
 Supervised By :Semsettin Yesilyurt 10/29/2025

Quant Time: Oct 29 02:24:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	236357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	526942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	502965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	250643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	221746	54.255	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.500%			
35) Dibromofluoromethane	8.147	113	166088	46.917	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.840%			
50) Toluene-d8	10.547	98	611940	44.863	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.720%			
62) 4-Bromofluorobenzene	12.829	95	250515	52.004	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.000%			
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	14354	6.991	ug/l #	87
39) Methylcyclohexane	9.577	83	5287	0.796	ug/l #	79
40) Benzene	8.588	78	268682	17.068	ug/l	95
52) Toluene	10.612	92	127177	13.104	ug/l	98
67) Ethyl Benzene	11.941	91	1185116	59.117	ug/l	100
68) m/p-Xylenes	12.053	106	241389	32.137	ug/l	98
69) o-Xylene	12.376	106	299779	42.101	ug/l	96
73) Isopropylbenzene	12.676	105	29659m	1.534	ug/l	
78) n-propylbenzene	13.018	91	70336	2.981	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	607187	37.800	ug/l	100
95) Naphthalene	15.617	128	268981m	16.162	ug/l	

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

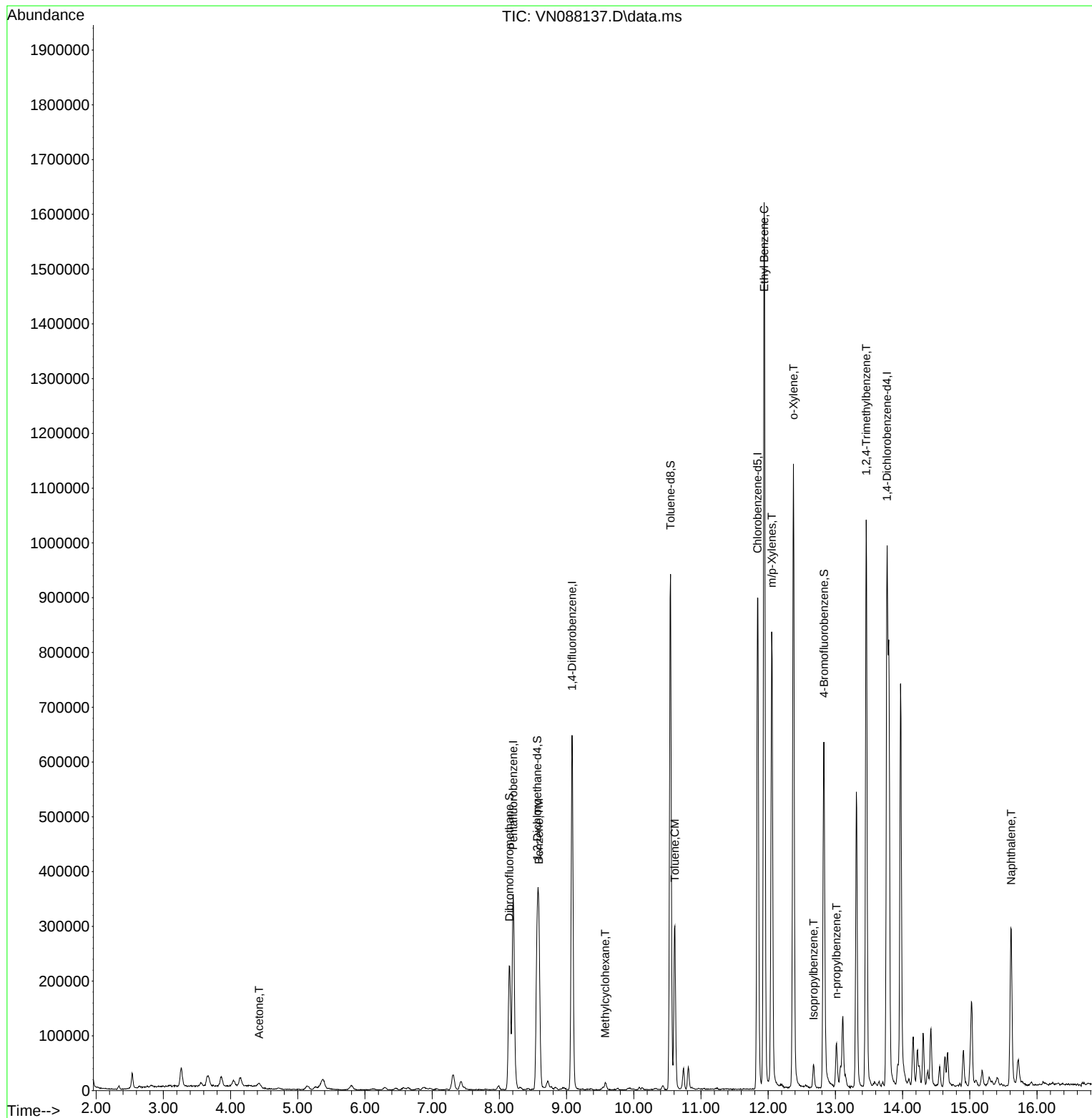
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088137.D
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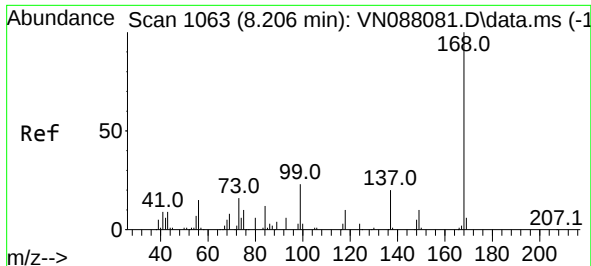
Instrument :
MSVOA_N
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MW-12DL

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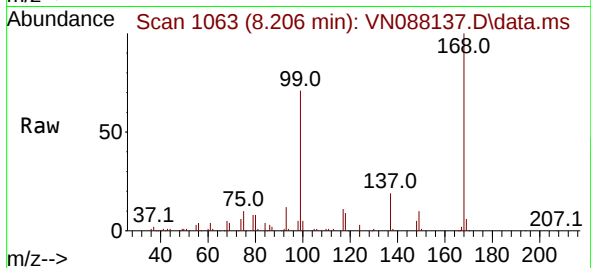
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20

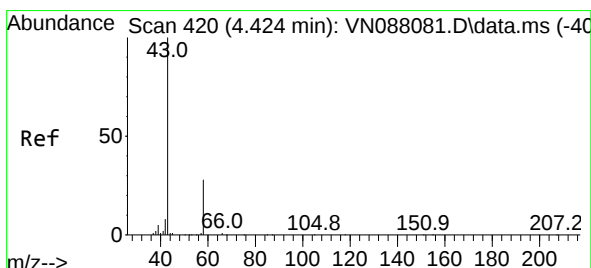
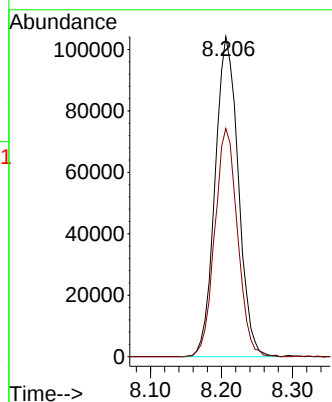
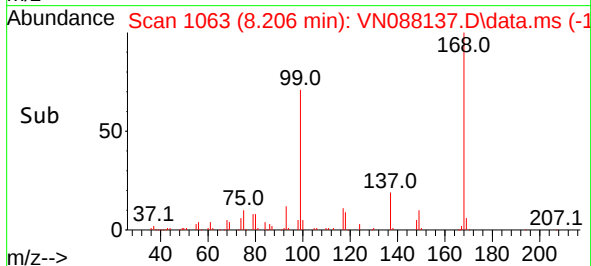
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



Tgt Ion:168 Resp: 23635
Ion Ratio Lower Upper
168 100
99 71.3 57.2 85.8

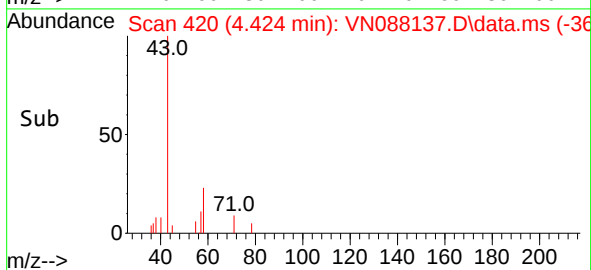
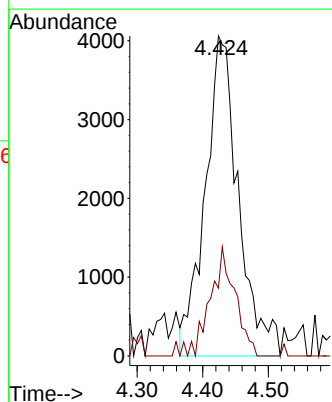
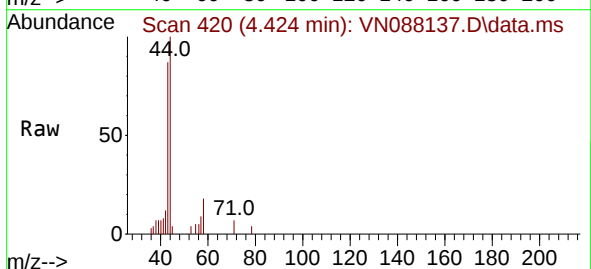
Manual Integrations
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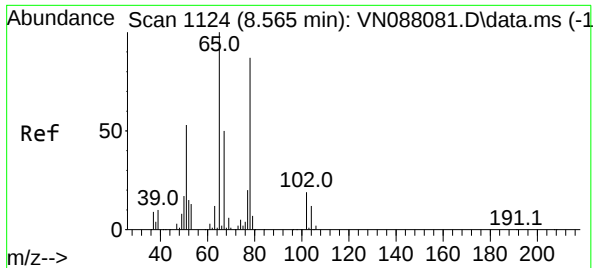
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#16
Acetone
Concen: 6.991 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20

Tgt Ion: 43 Resp: 14354
Ion Ratio Lower Upper
43 100
58 21.2 22.6 33.8#





#33

1,2-Dichloroethane-d4

Concen: 54.255 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN088137.D

Acq: 28 Oct 2025 14:20

Instrument :

MSVOA_N

ClientSampleId :

MW-12DL

Tgt Ion: 65 Resp: 221740

Ion Ratio Lower Upper

65 100

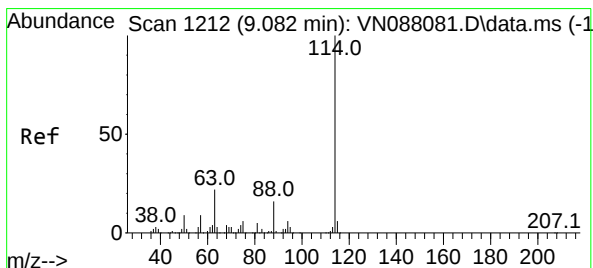
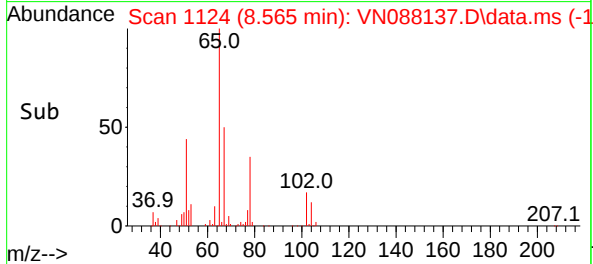
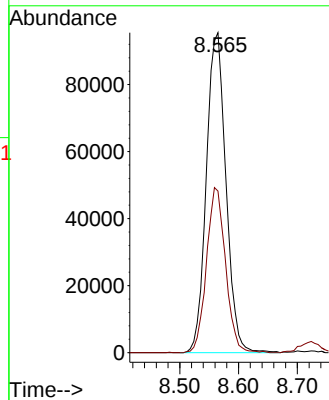
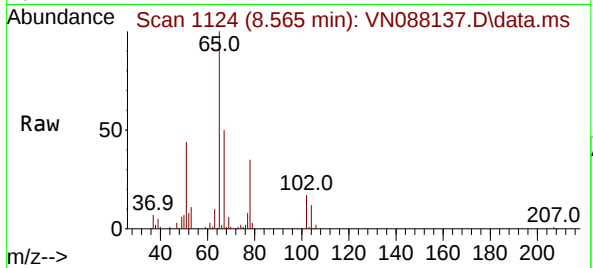
67 50.1 0.0 100.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088137.D

Acq: 28 Oct 2025 14:20

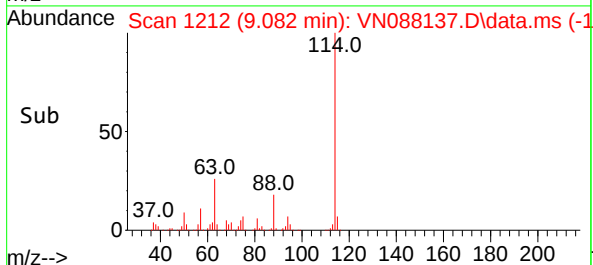
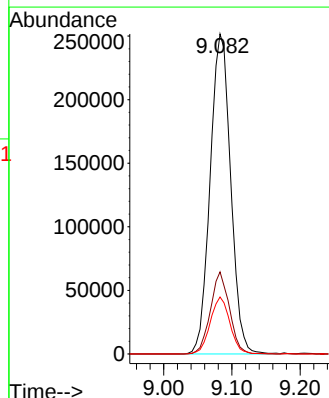
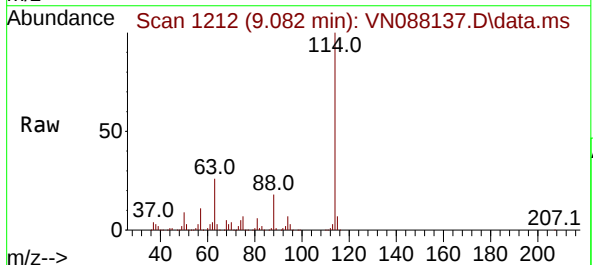
Tgt Ion:114 Resp: 526942

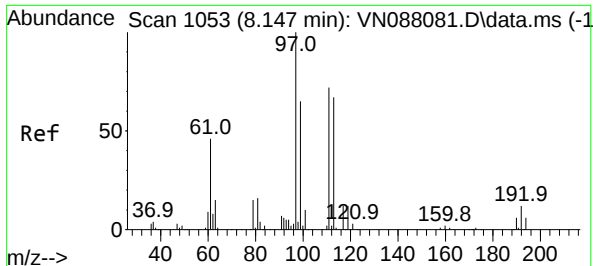
Ion Ratio Lower Upper

114 100

63 25.6 0.0 45.2

88 17.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.917 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088137.D

Acq: 28 Oct 2025 14:20

Instrument :

MSVOA_N

ClientSampleId :

MW-12DL

Tgt Ion: 113 Resp: 16608

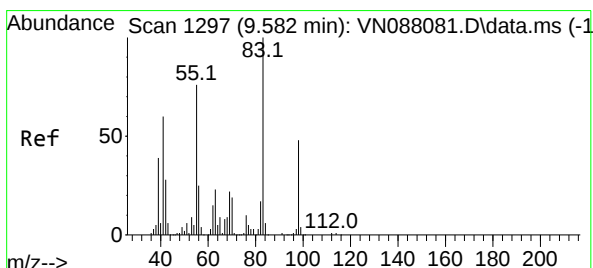
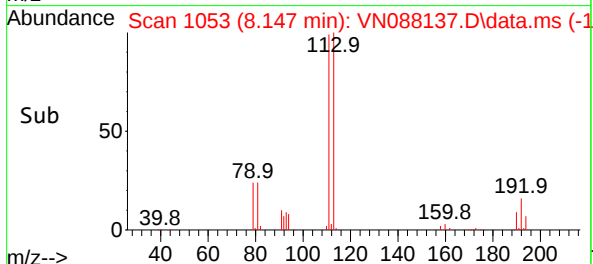
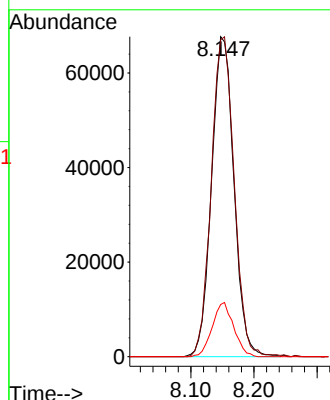
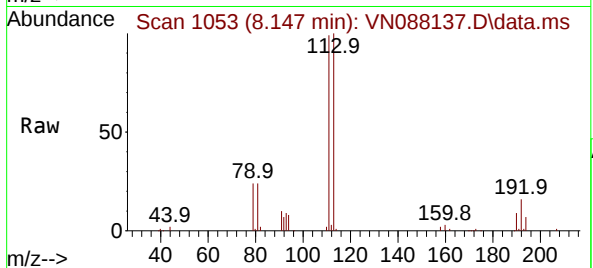
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.8	124.2
192	16.3	12.8	19.2

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#39

Methylcyclohexane

Concen: 0.796 ug/l

RT: 9.577 min Scan# 1296

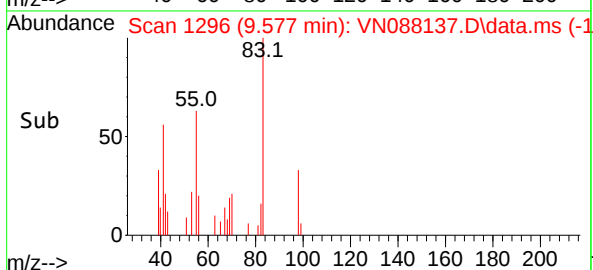
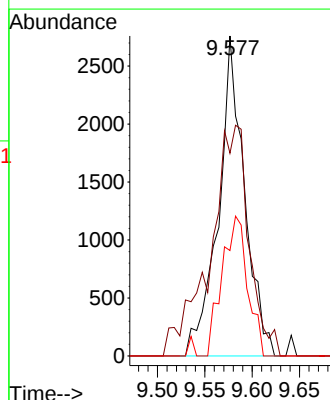
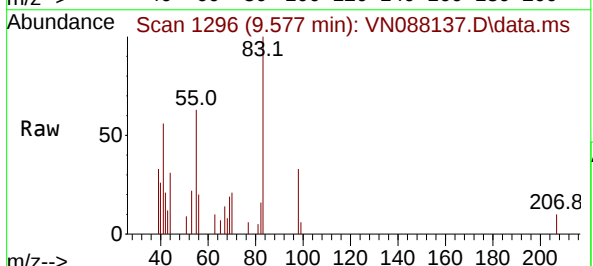
Delta R.T. -0.006 min

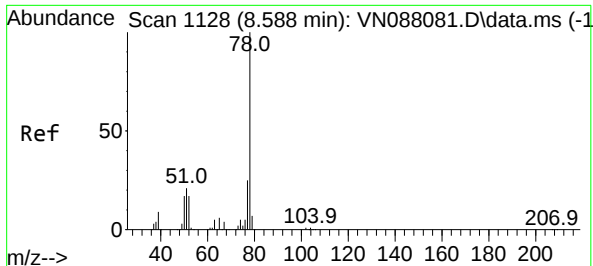
Lab File: VN088137.D

Acq: 28 Oct 2025 14:20

Tgt Ion: 83 Resp: 5287

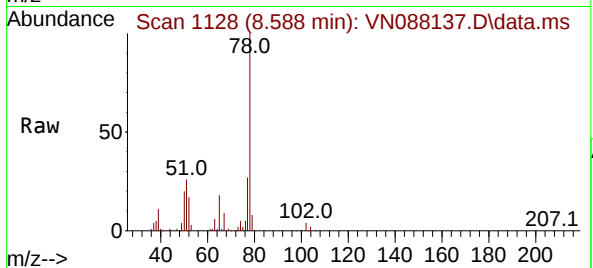
Ion	Ratio	Lower	Upper
83	100		
55	63.4	64.6	96.8#
98	32.9	38.4	57.6#





#40
Benzene
Concen: 17.068 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20

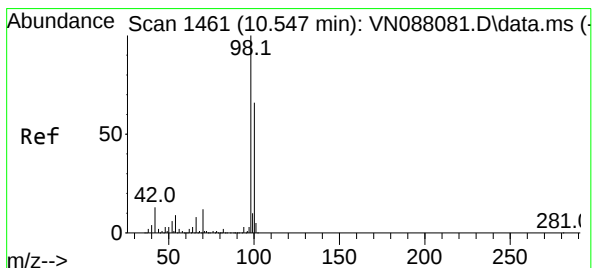
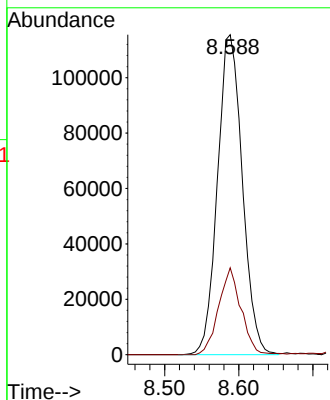
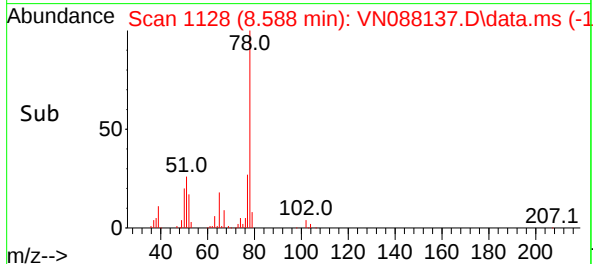
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



Tgt Ion: 78 Resp: 26868
Ion Ratio Lower Upper
78 100
77 27.1 19.7 29.5

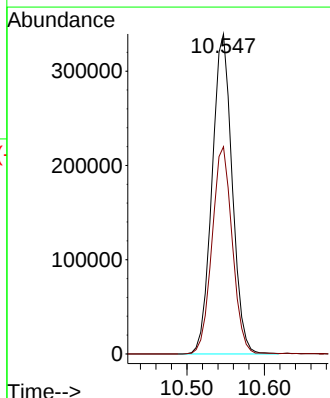
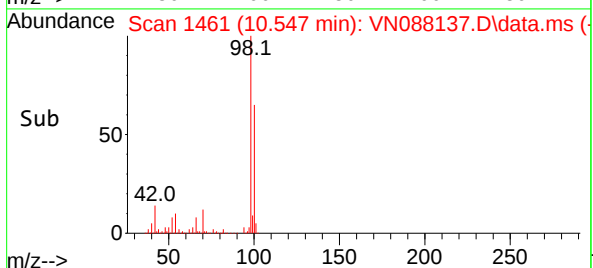
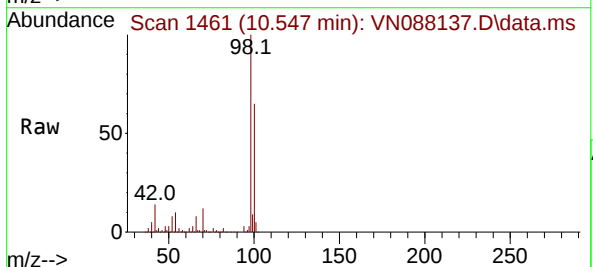
Manual Integrations
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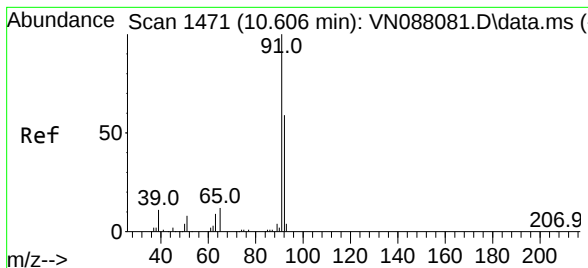
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#50
Toluene-d8
Concen: 44.863 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20

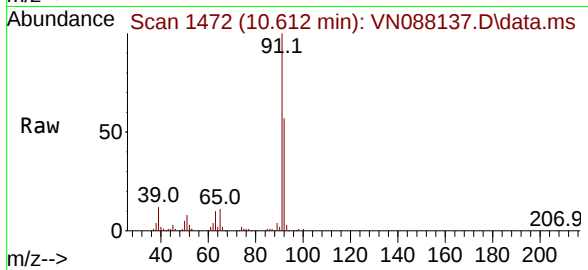
Tgt Ion: 98 Resp: 611940
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2





#52
Toluene
Concen: 13.104 ug/l
RT: 10.612 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20

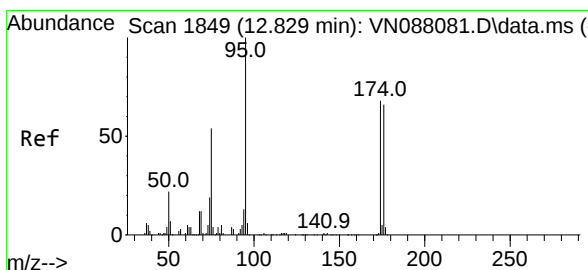
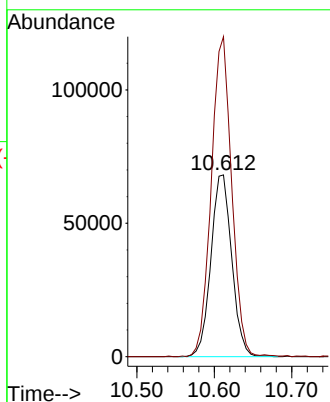
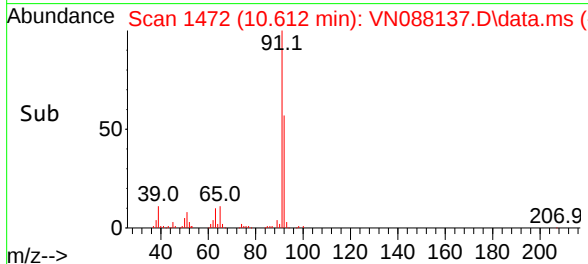
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



Tgt Ion: 92 Resp: 12717
Ion Ratio Lower Upper
92 100
91 173.0 140.4 210.6

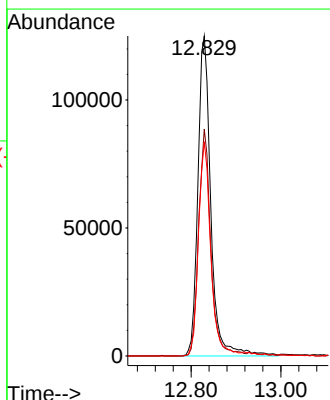
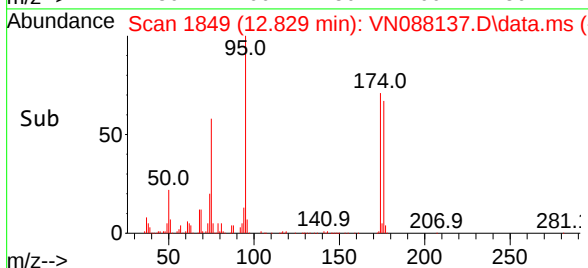
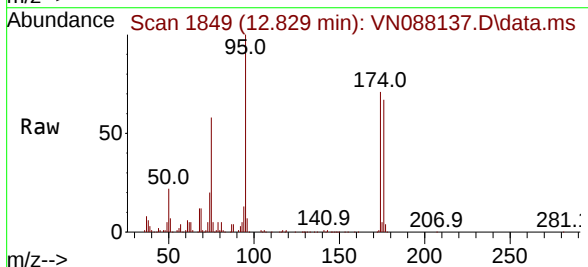
Manual Integrations
APPROVED

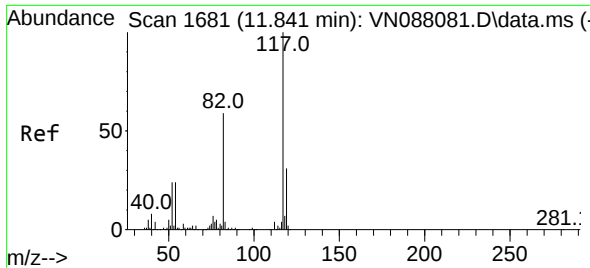
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#62
4-Bromofluorobenzene
Concen: 52.004 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20

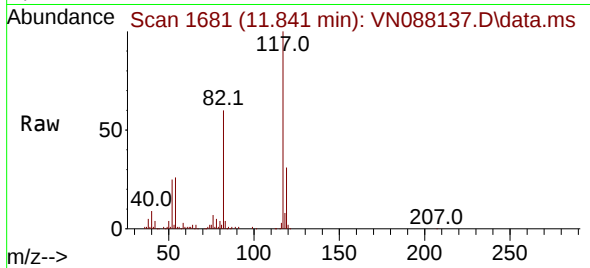
Tgt Ion: 95 Resp: 250515
Ion Ratio Lower Upper
95 100
174 66.9 0.0 138.4
176 63.5 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20

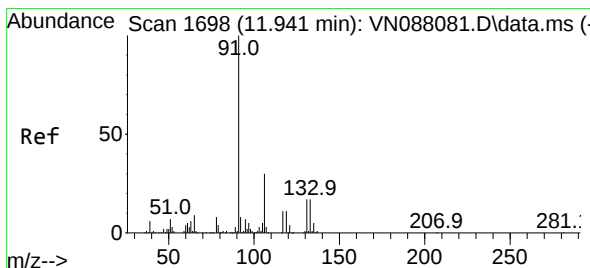
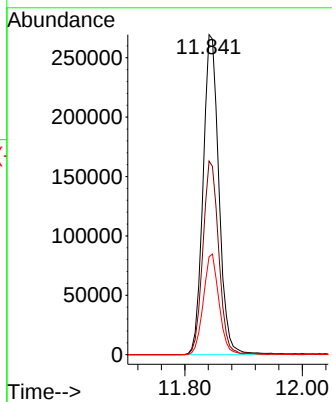
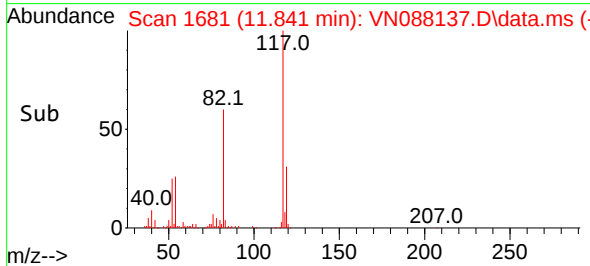
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



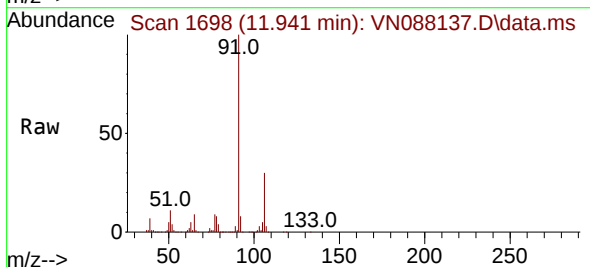
Tgt Ion:117 Resp: 50296
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 30.6 24.3 36.5

Manual Integrations
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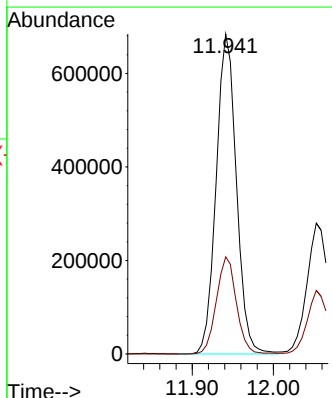
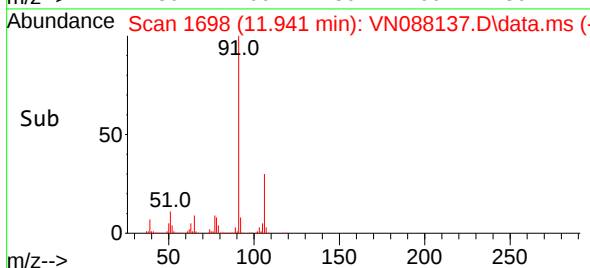
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025

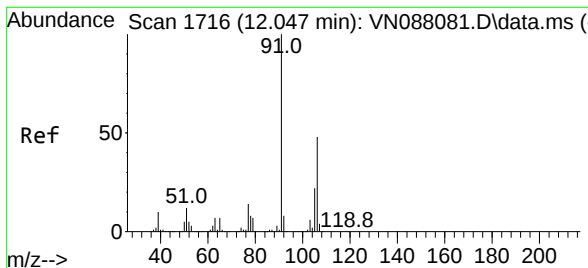


#67
Ethyl Benzene
Concen: 59.117 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20



Tgt Ion: 91 Resp: 1185116
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1





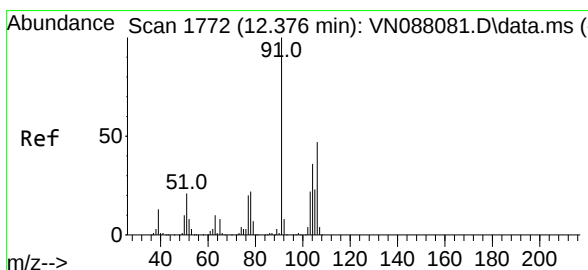
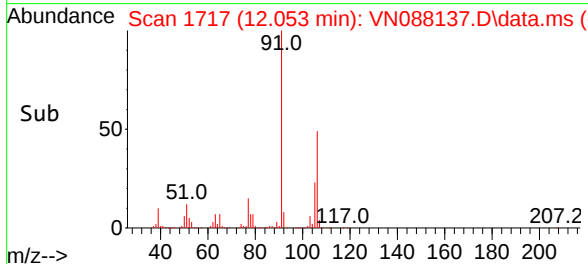
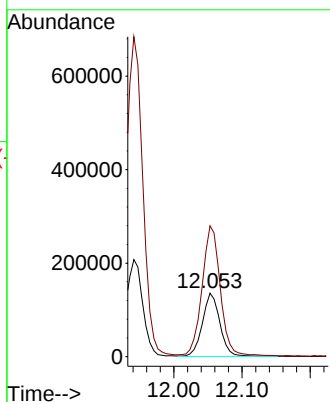
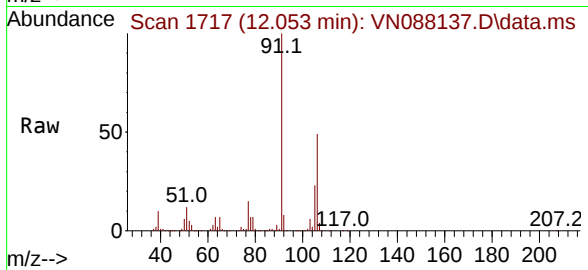
#68
m/p-Xylenes
Concen: 32.137 ug/l
RT: 12.053 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20

Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

Tgt Ion:106 Resp: 241389
Ion Ratio Lower Upper
106 100
91 215.5 169.3 253.9

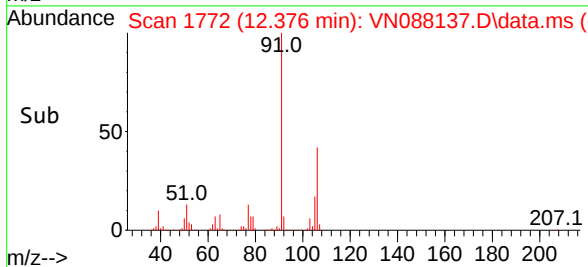
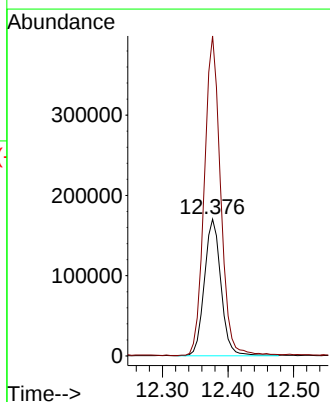
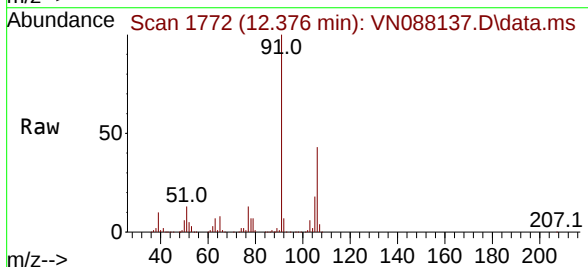
Manual Integrations
APPROVED

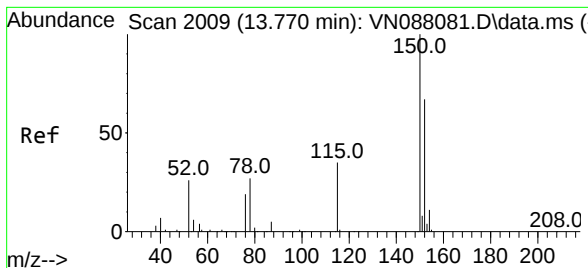
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#69
o-Xylene
Concen: 42.101 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20

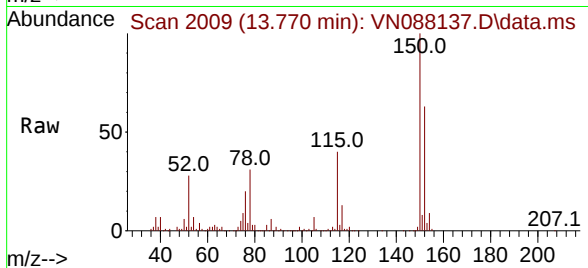
Tgt Ion:106 Resp: 299779
Ion Ratio Lower Upper
106 100
91 229.8 111.4 334.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20

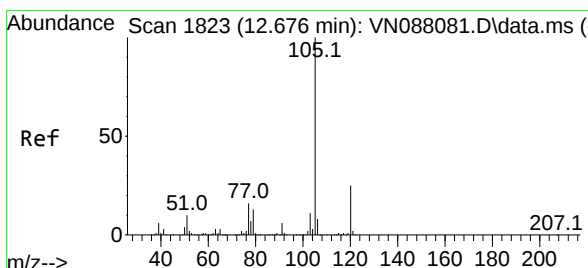
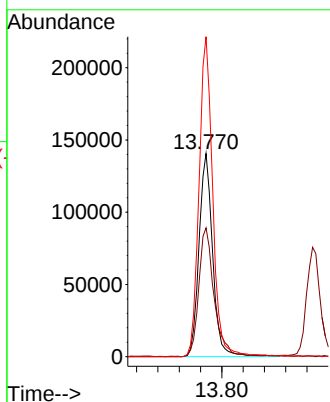
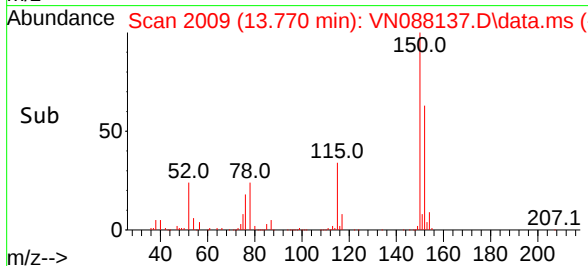
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



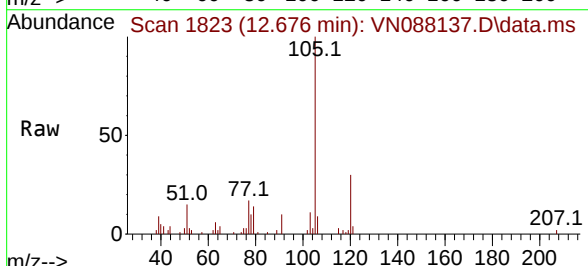
Tgt Ion:152 Resp: 25064
Ion Ratio Lower Upper
152 100
115 71.2 32.3 96.8
150 157.2 0.0 351.0

Manual Integrations
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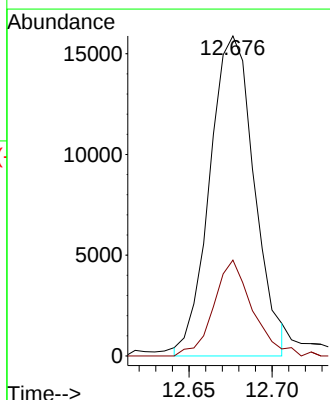
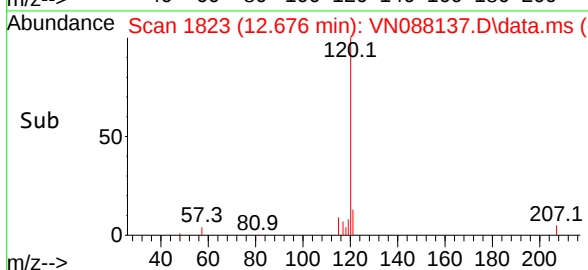
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025

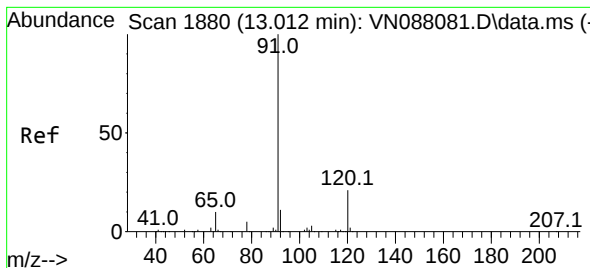


#73
Isopropylbenzene
Concen: 1.534 ug/l m
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20



Tgt Ion:105 Resp: 29659
Ion Ratio Lower Upper
105 100
120 0.0 12.8 38.3#





#78

n-propylbenzene

Concen: 2.981 ug/l

RT: 13.018 min Scan# 1880

Delta R.T. 0.006 min

Lab File: VN088137.D

Acq: 28 Oct 2025 14:20

Instrument :

MSVOA_N

ClientSampleId :

MW-12DL

Tgt Ion: 91 Resp: 70330

Ion Ratio Lower Upper

91 100

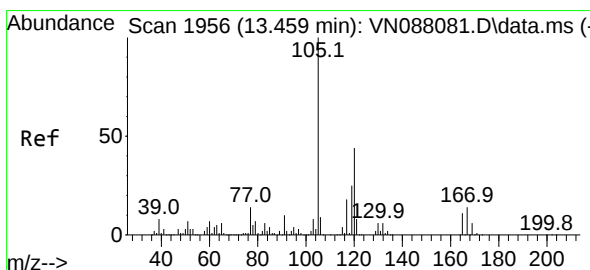
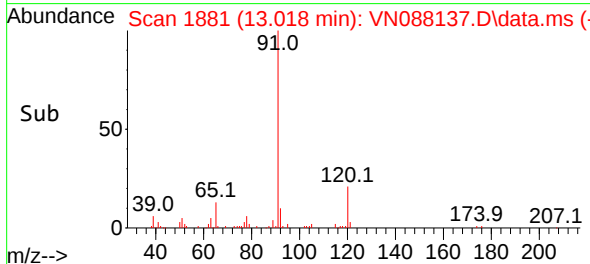
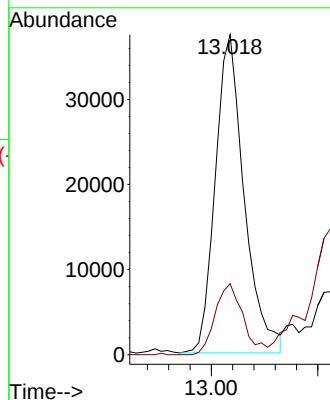
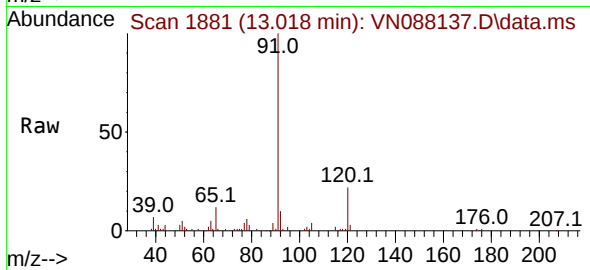
120 21.7 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/29/2025

Supervised By :Semsettin Yesilyurt 10/29/2025



#84

1,2,4-Trimethylbenzene

Concen: 37.800 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN088137.D

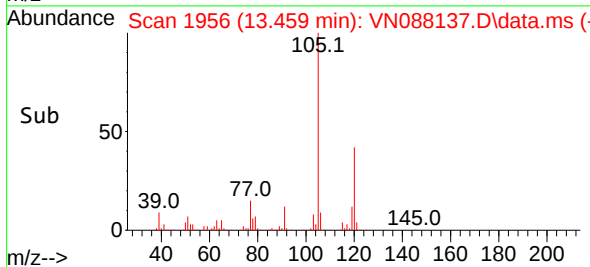
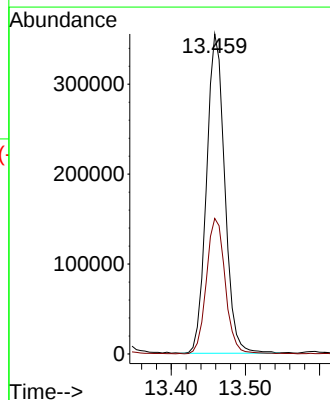
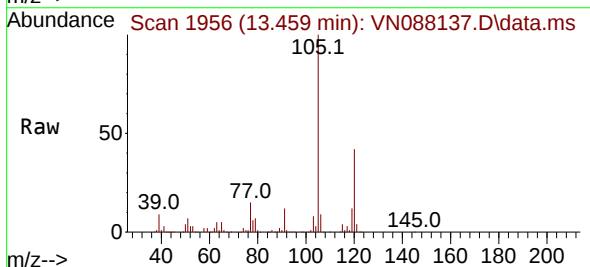
Acq: 28 Oct 2025 14:20

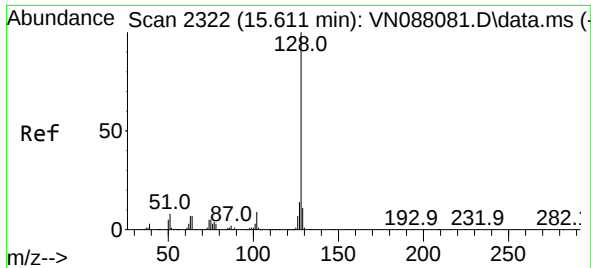
Tgt Ion:105 Resp: 607187

Ion Ratio Lower Upper

105 100

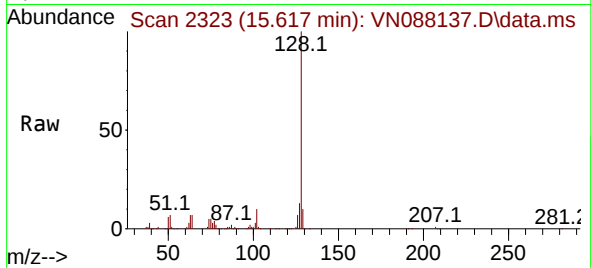
120 44.0 22.0 66.0





#95
Naphthalene
Concen: 16.162 ug/l m
RT: 15.617 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN088137.D
Acq: 28 Oct 2025 14:20

Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



Tgt Ion:128 Resp: 26898
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8
129 0.0 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025

