

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088136.D
 Acq On : 28 Oct 2025 13:59
 Operator : JC\MD
 Sample : Q3468-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Manual Integrations
 APPROVED

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

Quant Time: Oct 29 03:27:06 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	238860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	531874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	512440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	250379	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	223698	54.159	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.320%	
35) Dibromofluoromethane	8.153	113	164260	45.971	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.940%	
50) Toluene-d8	10.547	98	615854	44.731	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 89.460%	
62) 4-Bromofluorobenzene	12.829	95	250761	51.572	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.140%	

Target Compounds

						Qvalue
6) Chloroethane	3.142	64	6643	2.670	ug/l	88
16) Acetone	4.424	43	126322	60.877	ug/l	95
25) 2-Butanone	7.477	43	48690	17.805	ug/l	92
31) Cyclohexane	8.241	56	106088	18.349	ug/l	95
39) Methylcyclohexane	9.582	83	50285	7.498	ug/l	92
40) Benzene	8.588	78	2837058	178.557	ug/l	98
52) Toluene	10.606	92	1345771	137.377	ug/l	98
67) Ethyl Benzene	11.941	91	12271883	600.837	ug/l	99
68) m/p-Xylenes	12.053	106	2542887	332.284	ug/l	100
69) o-Xylene	12.376	106	3222847	444.252	ug/l	98
73) Isopropylbenzene	12.676	105	308974	16.000	ug/l	99
78) n-propylbenzene	13.012	91	730347	30.991	ug/l	100
80) 1,3,5-Trimethylbenzene	13.135	105	78092m	4.869	ug/l	
84) 1,2,4-Trimethylbenzene	13.459	105	6250252	389.515	ug/l	100
86) p-Isopropyltoluene	13.706	119	26100	1.546	ug/l	# 74
89) n-Butylbenzene	14.029	91	37537m	2.244	ug/l	
95) Naphthalene	15.611	128	3031448m	182.341	ug/l	

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

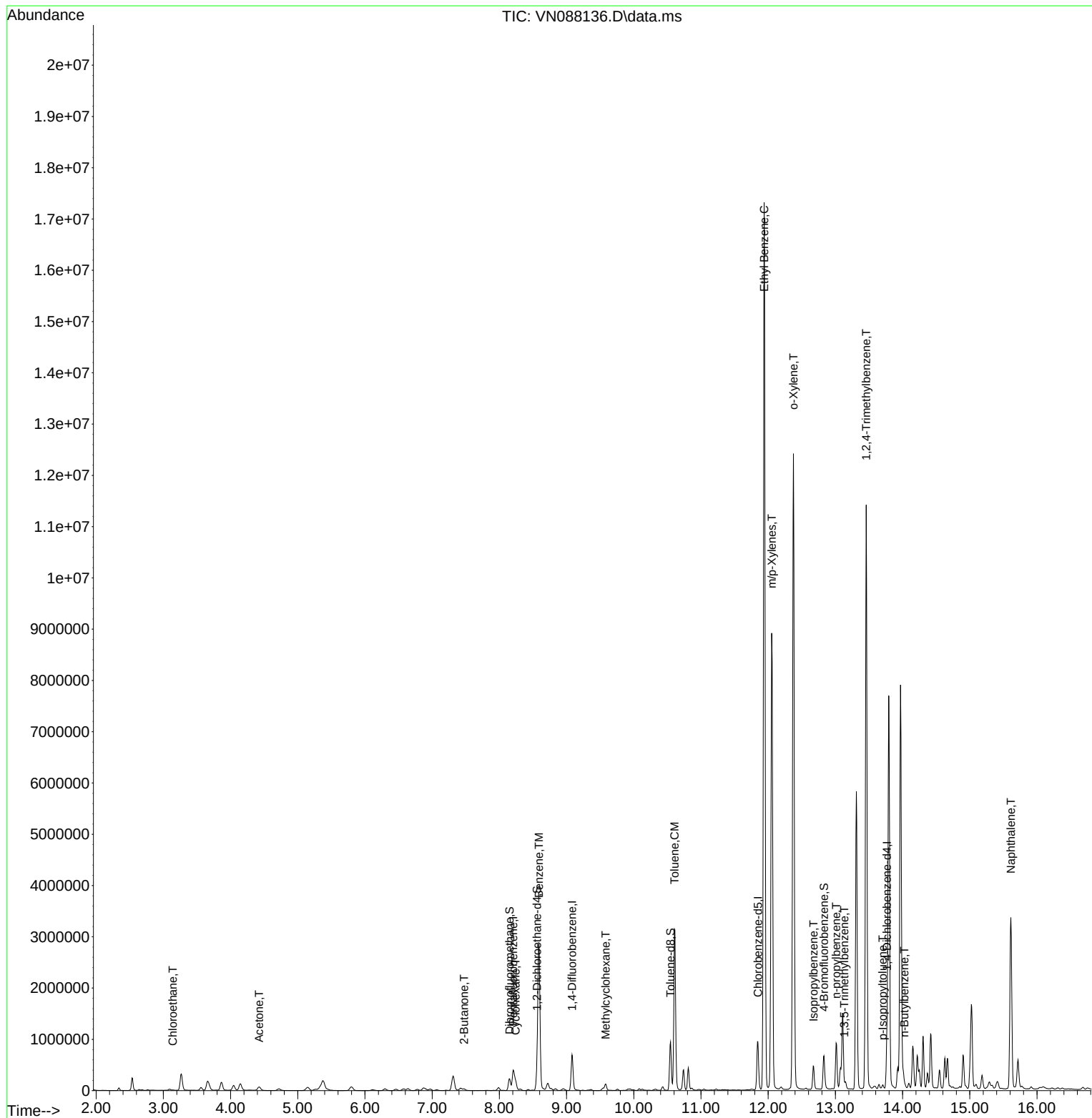
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088136.D
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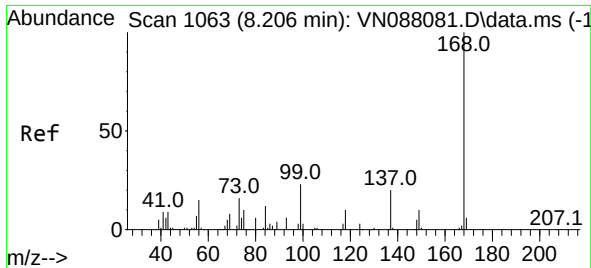
Instrument :
MSVOA_N
ClientSampleId :
MW-12

Quant Time: Oct 29 03:27:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Manual Integrations
APPROVED

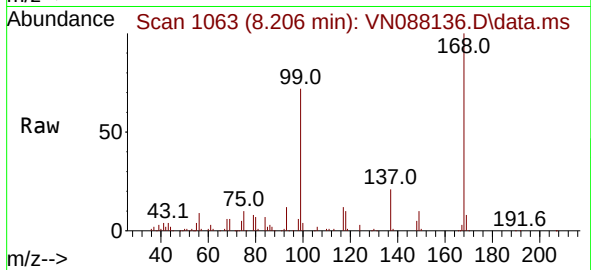
Reviewed By : John Carlone 10/29/2025
Supervised By : Semsettin Yesilyurt 10/29/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

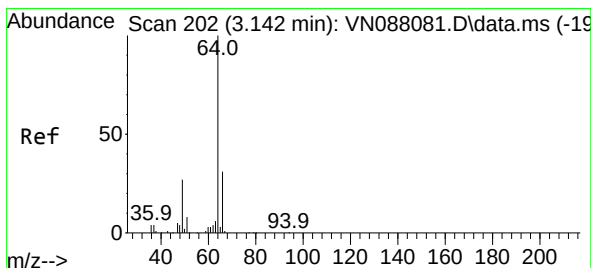
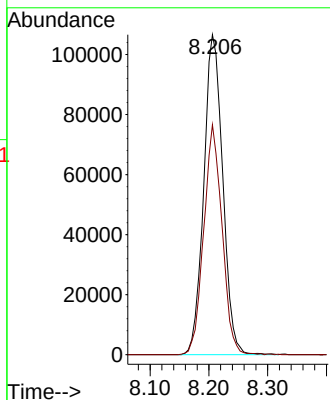
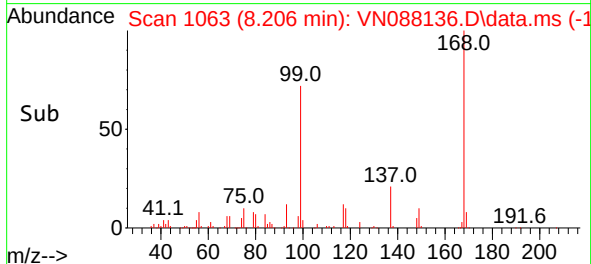
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:168 Resp: 238860
Ion Ratio Lower Upper
168 100
99 71.9 57.2 85.8

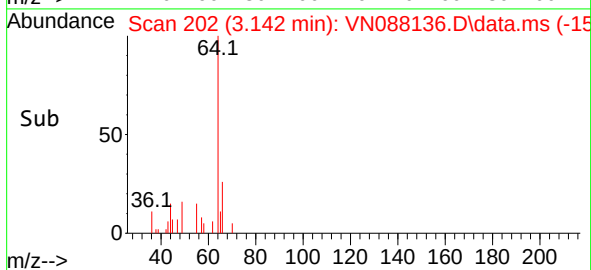
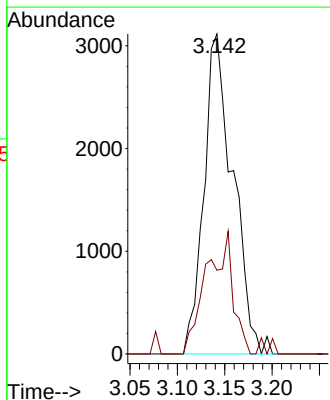
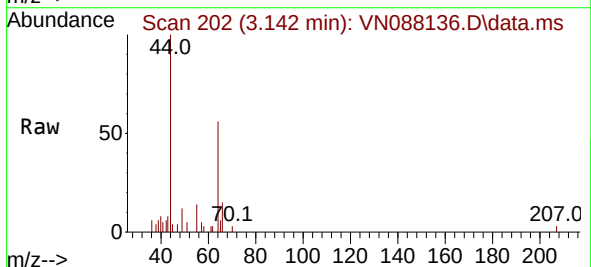
Manual Integrations
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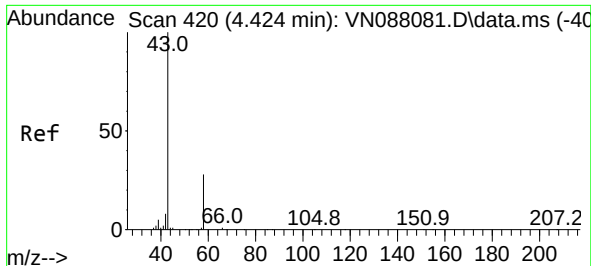
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#6
Chloroethane
Concen: 2.670 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

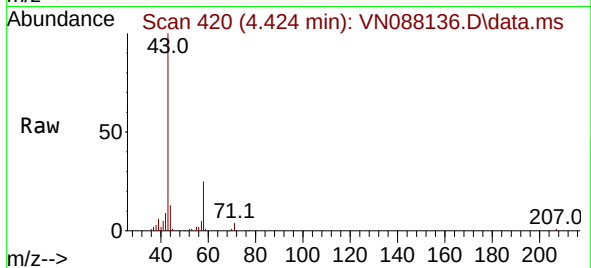
Tgt Ion: 64 Resp: 6643
Ion Ratio Lower Upper
64 100
66 26.2 26.2 39.2





#16
Acetone
Concen: 60.877 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

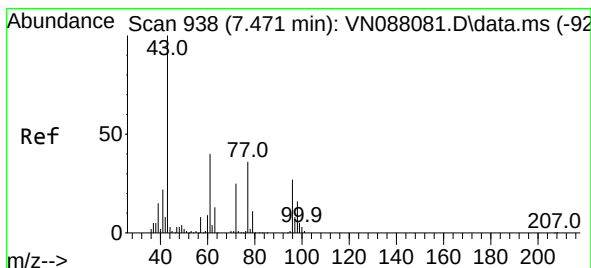
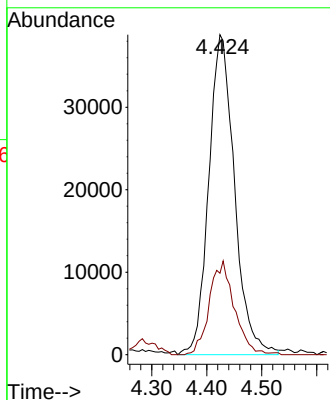
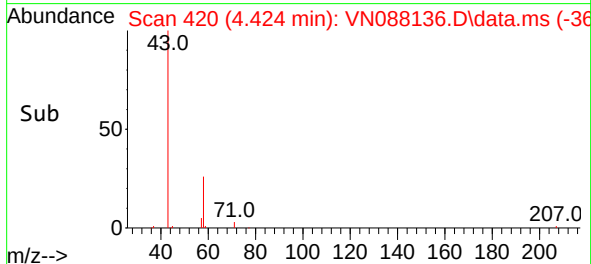
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion: 43 Resp: 12632
Ion Ratio Lower Upper
43 100
58 25.4 22.6 33.8

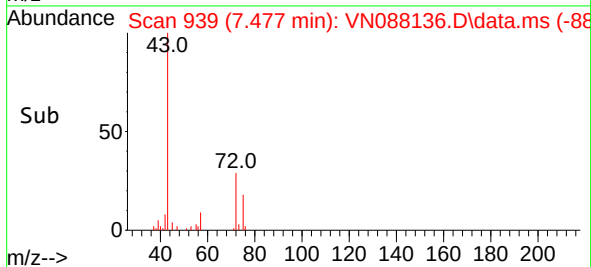
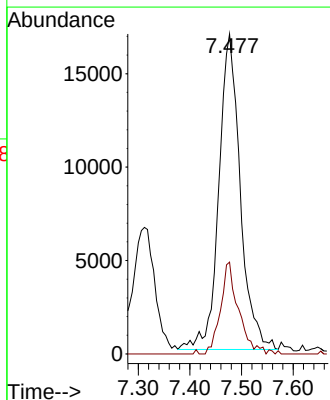
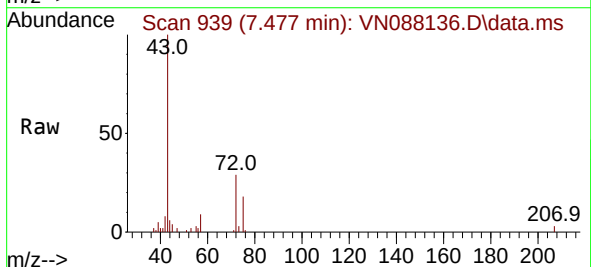
Manual Integrations
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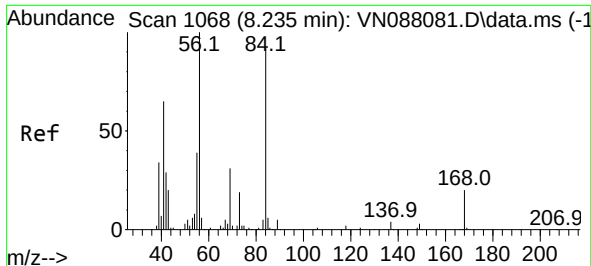
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#25
2-Butanone
Concen: 17.805 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

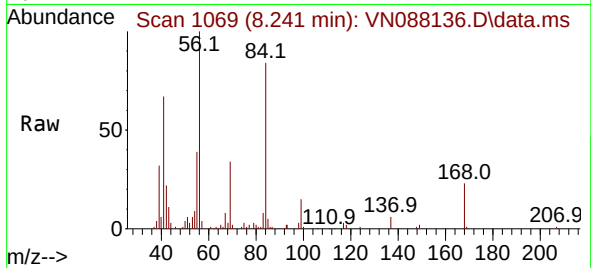
Tgt Ion: 43 Resp: 48690
Ion Ratio Lower Upper
43 100
72 29.1 19.9 29.9





#31
Cyclohexane
Concen: 18.349 ug/l
RT: 8.241 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

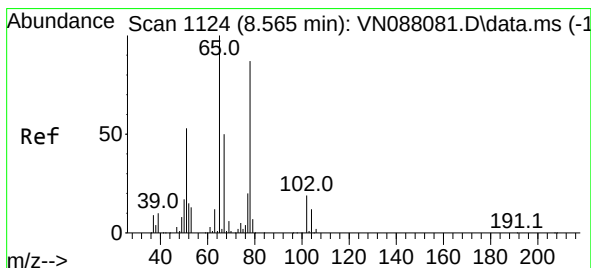
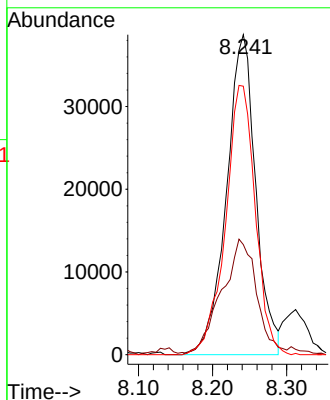
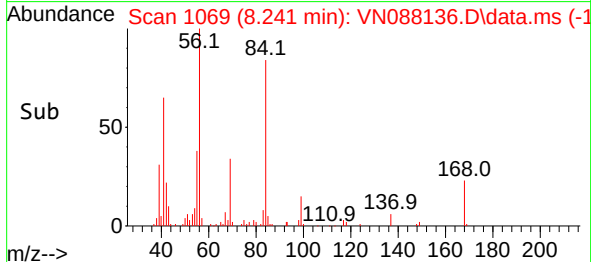
Instrument :
MSVOA_N
Client Sample Id :
MW-12



Tgt Ion: 56 Resp: 106088
Ion Ratio Lower Upper
56 100
69 34.0 23.7 35.5
84 83.9 64.7 97.1

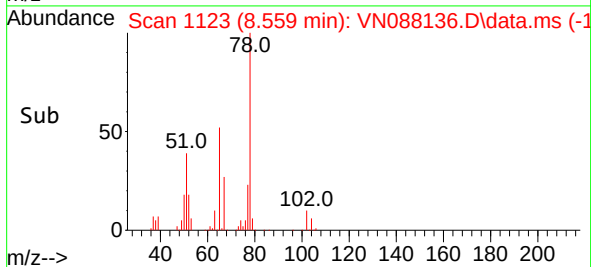
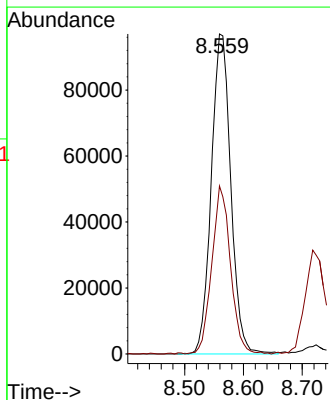
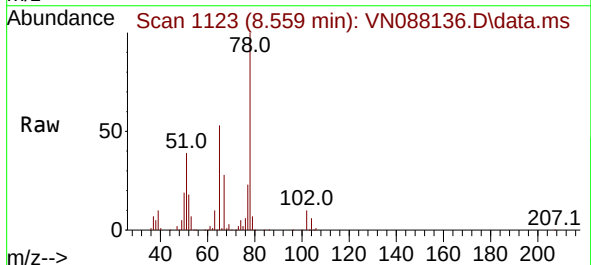
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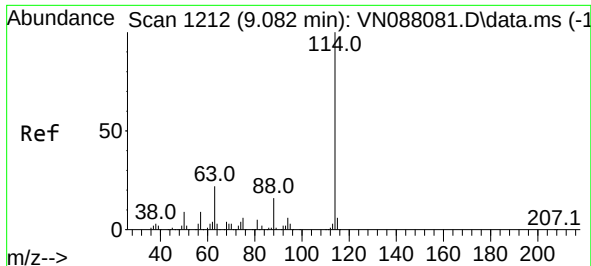
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#33
1,2-Dichloroethane-d4
Concen: 54.159 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

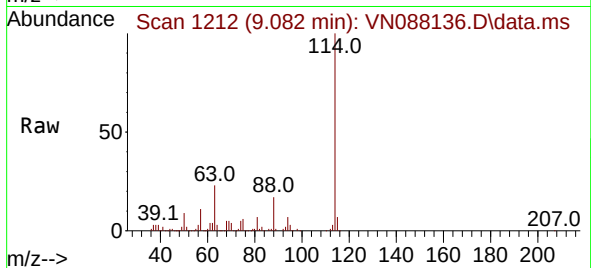
Tgt Ion: 65 Resp: 223698
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

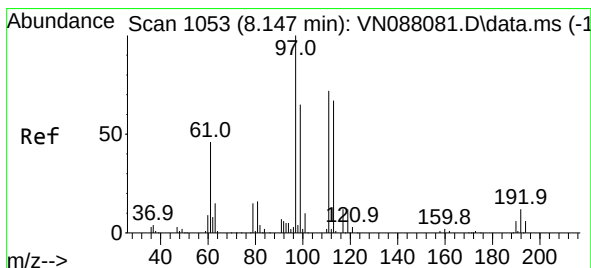
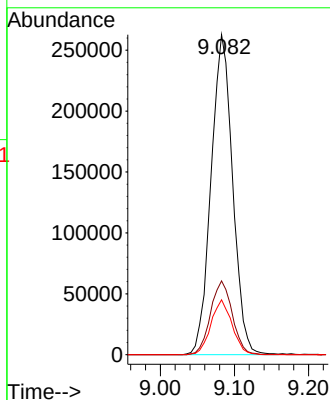
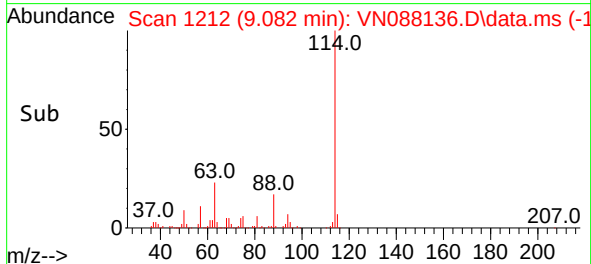
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:114 Resp: 531874
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.2
88 17.2 0.0 33.4

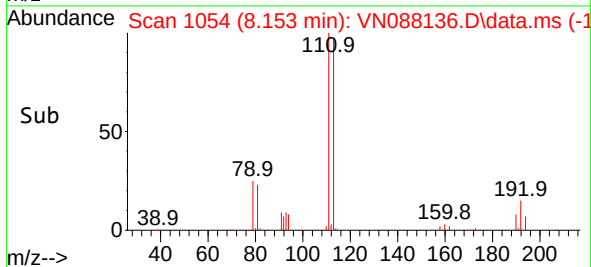
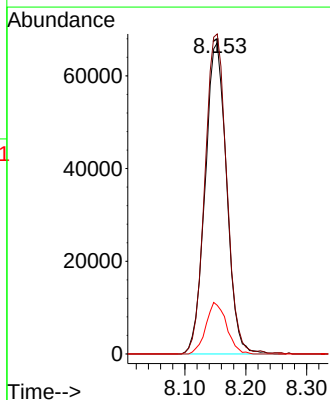
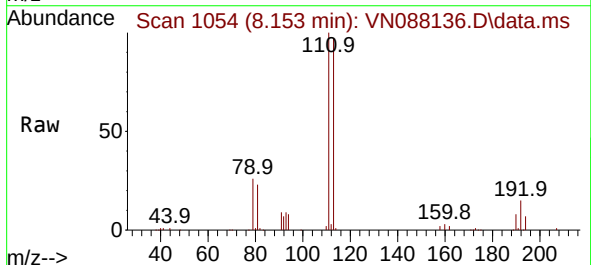
Manual Integrations
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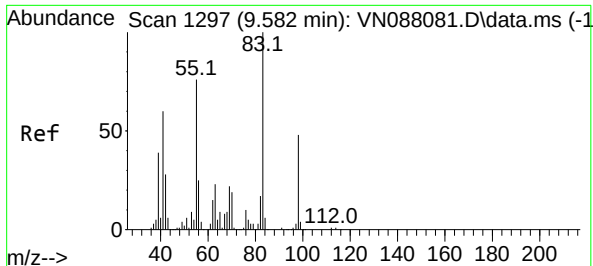
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#35
Dibromofluoromethane
Concen: 45.971 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion:113 Resp: 164260
Ion Ratio Lower Upper
113 100
111 103.9 82.8 124.2
192 16.0 12.8 19.2





#39

Methylcyclohexane

Concen: 7.498 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.000 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

MW-12

Tgt Ion: 83 Resp: 5028

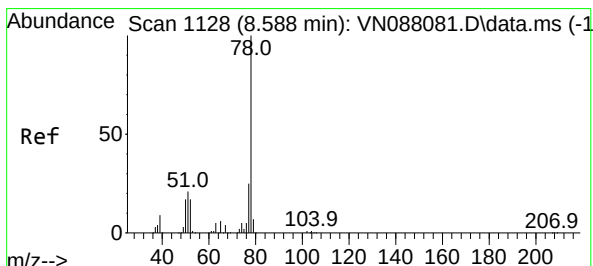
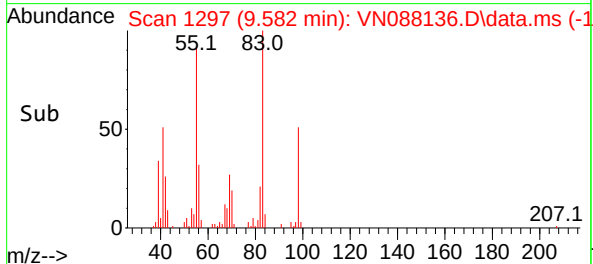
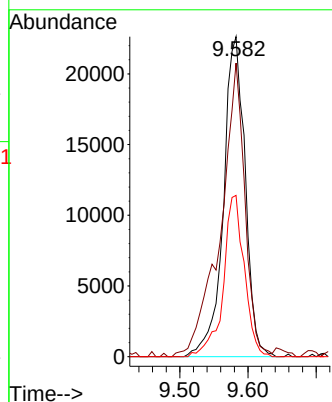
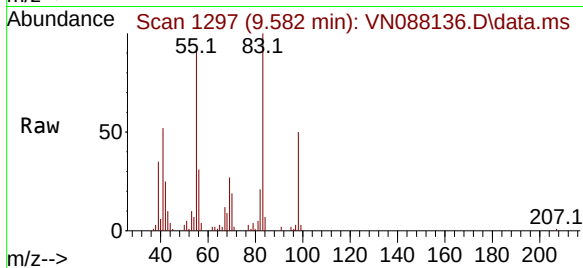
Ion	Ratio	Lower	Upper
83	100		
55	90.2	64.6	96.8
98	50.4	38.4	57.6

Manual Integrations

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Reviewed By :John Carbone 10/29/2025

Supervised By :Semsettin Yesilyurt 10/29/2025



#40

Benzene

Concen: 178.557 ug/l

RT: 8.588 min Scan# 1128

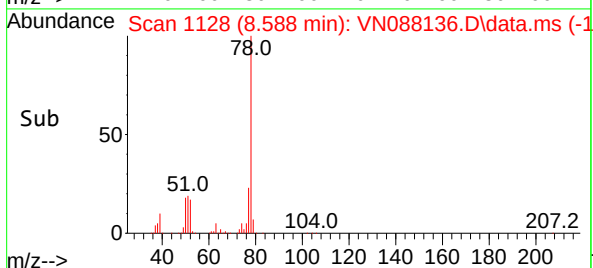
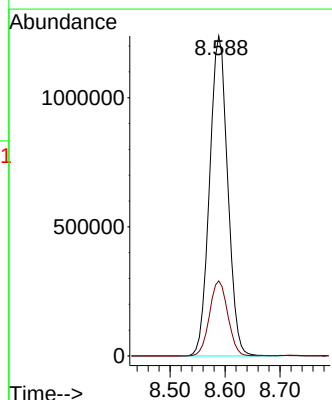
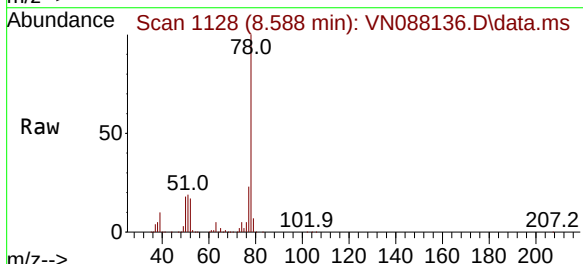
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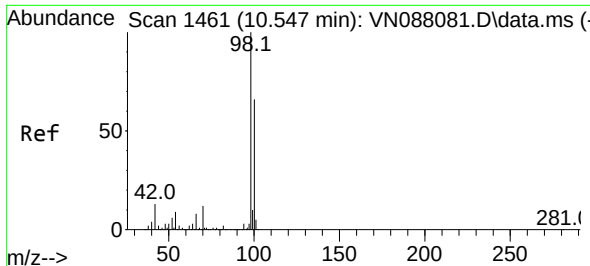
Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

Tgt Ion: 78 Resp: 2837058

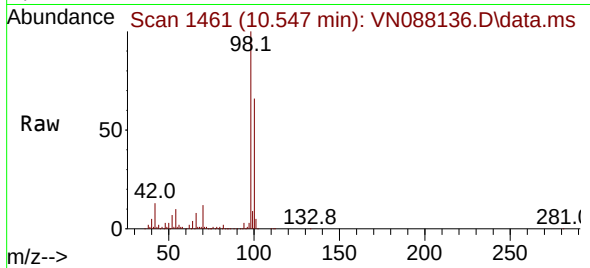
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.7	29.5





#50
Toluene-d8
Concen: 44.731 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

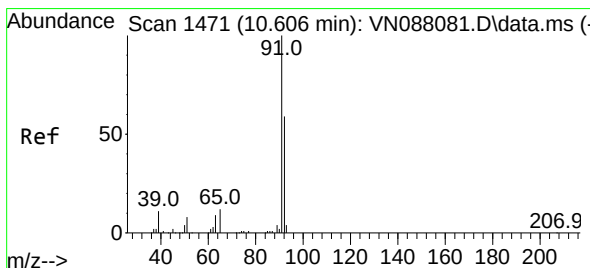
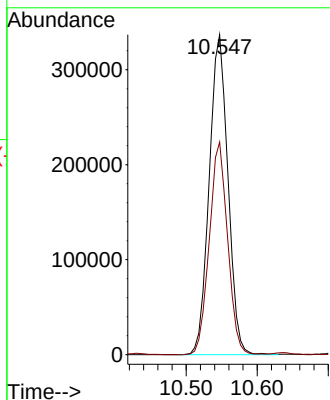
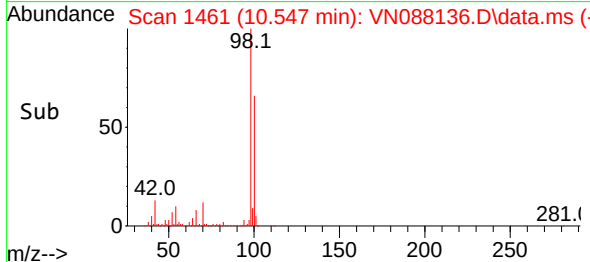
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion: 98 Resp: 615854
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2

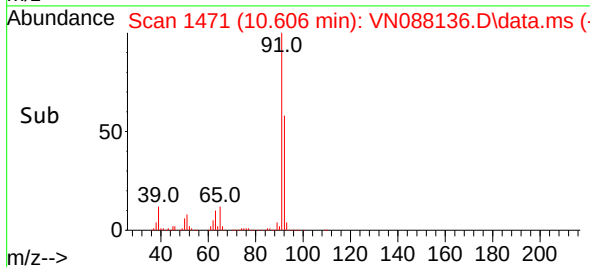
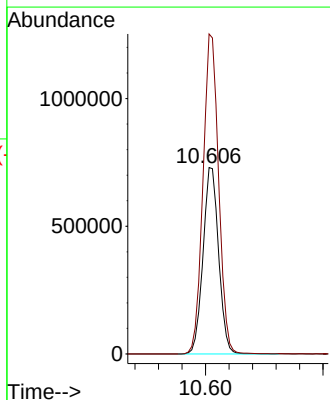
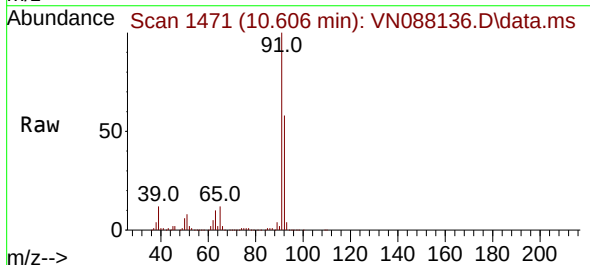
Manual Integrations
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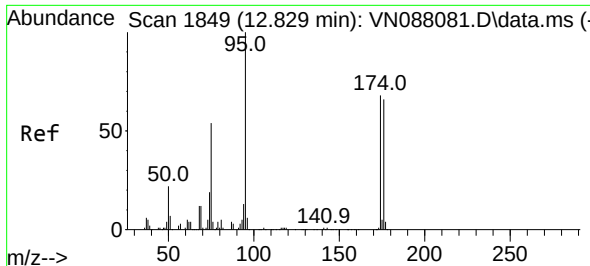
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#52
Toluene
Concen: 137.377 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

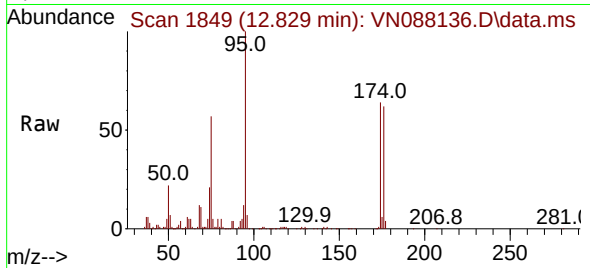
Tgt Ion: 92 Resp: 1345771
Ion Ratio Lower Upper
92 100
91 172.2 140.4 210.6





#62
4-Bromofluorobenzene
Concen: 51.572 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

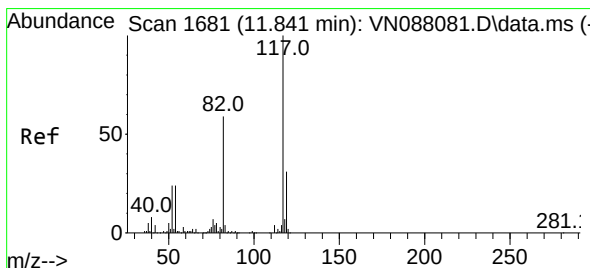
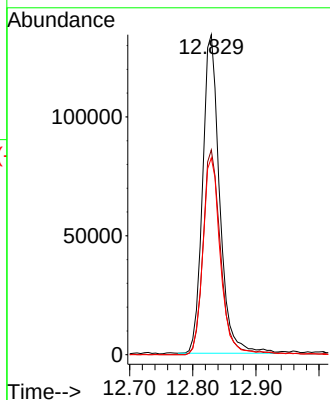
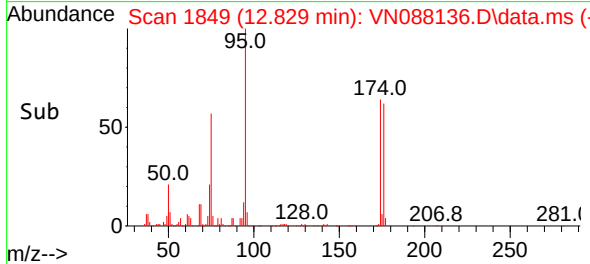
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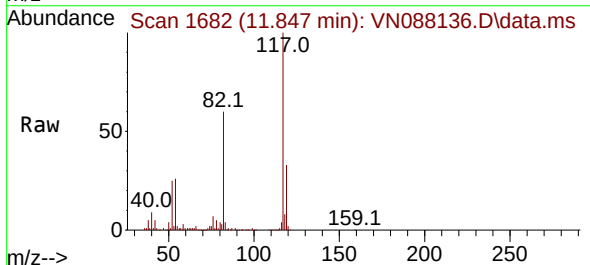
Tgt Ion: 95 Resp: 25076
Ion Ratio Lower Upper
95 100
174 66.4 0.0 138.4
176 63.7 0.0 132.6

Manual Integrations
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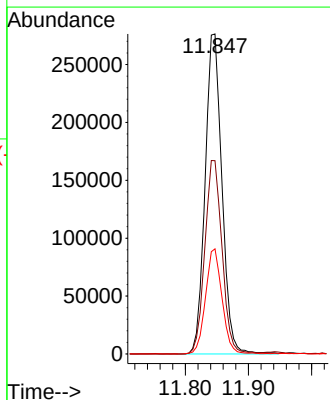
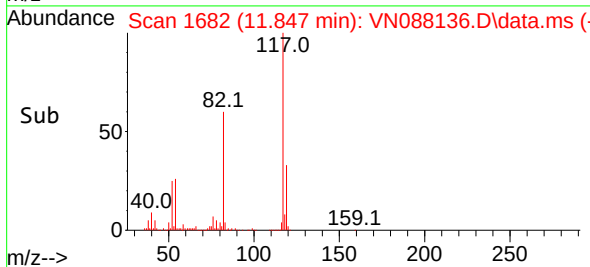
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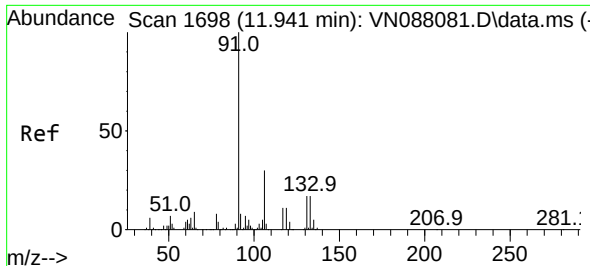


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59



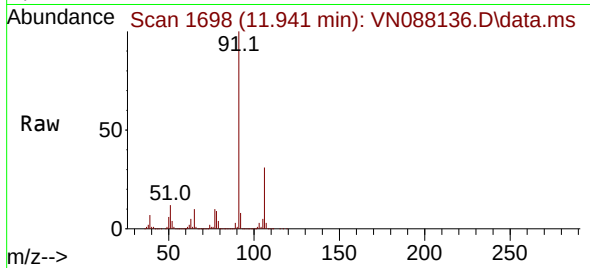
Tgt Ion:117 Resp: 512440
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 32.8 24.3 36.5





#67
Ethyl Benzene
Concen: 600.837 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

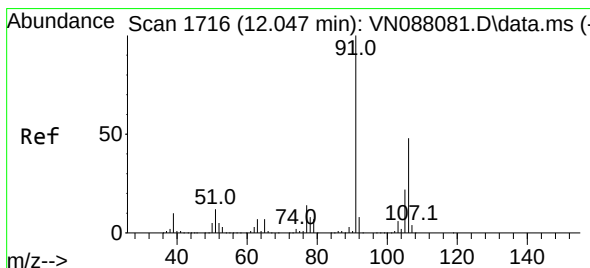
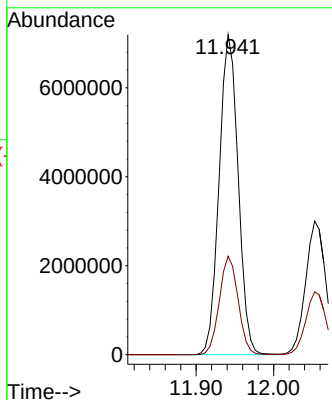
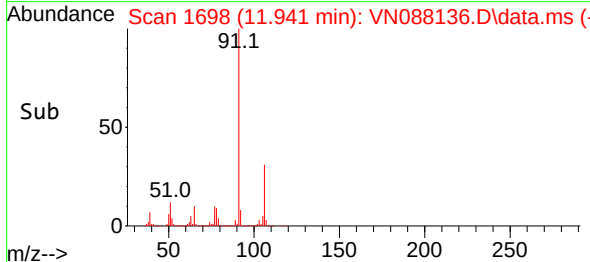
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion: 91 Resp:1227188
Ion Ratio Lower Upper
91 100
106 30.7 24.1 36.1

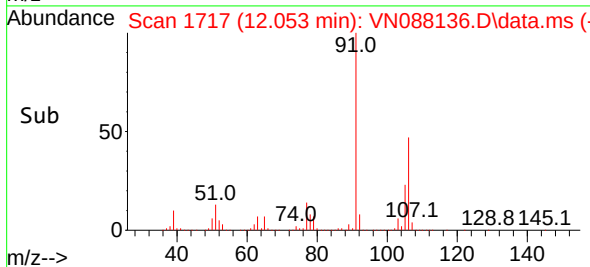
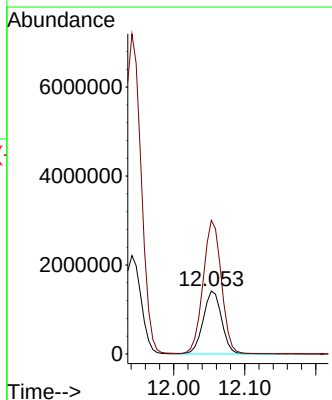
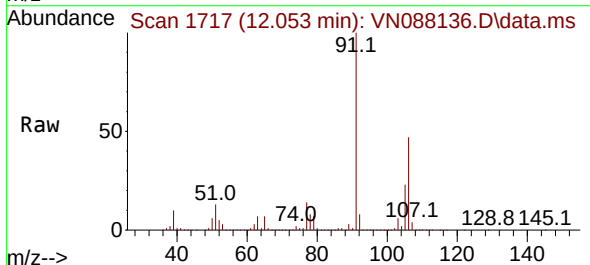
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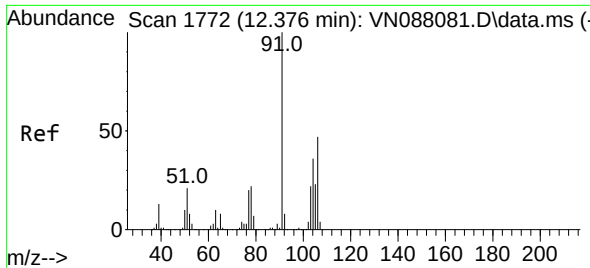
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#68
m/p-Xylenes
Concen: 332.284 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion:106 Resp: 2542887
Ion Ratio Lower Upper
106 100
91 212.3 169.3 253.9





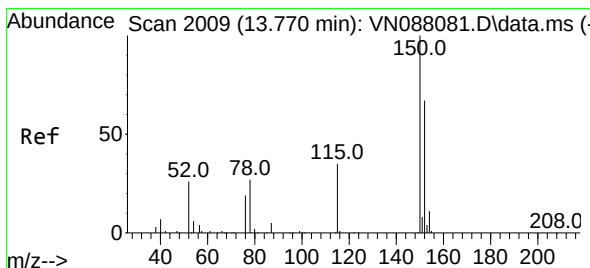
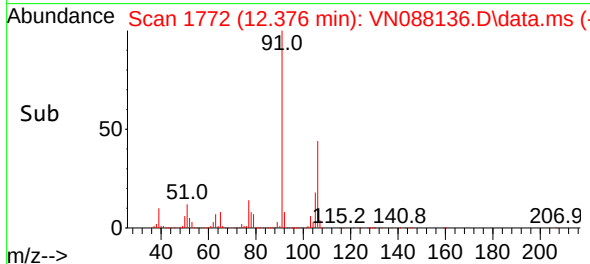
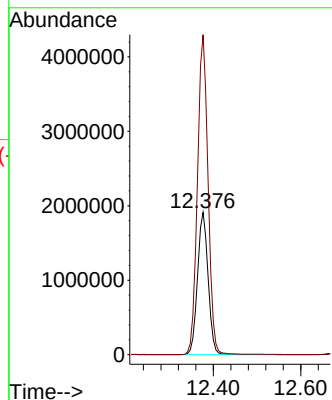
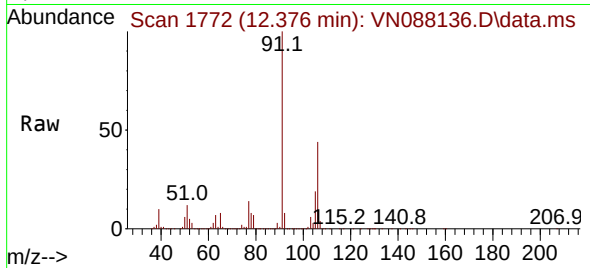
#69
o-Xylene
Concen: 444.252 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion:106 Resp: 322284
Ion Ratio Lower Upper
106 100
91 225.3 111.4 334.2

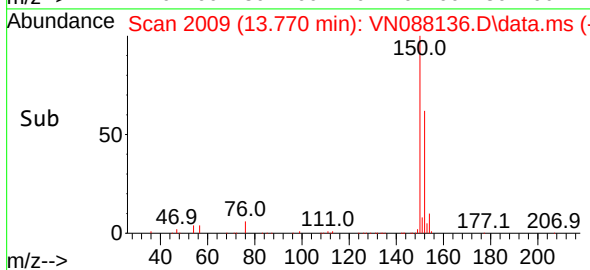
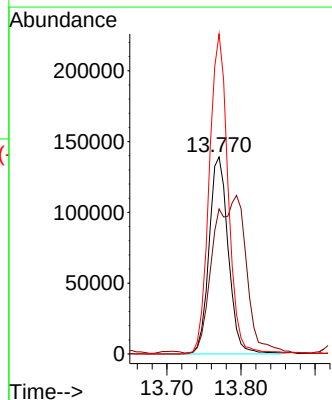
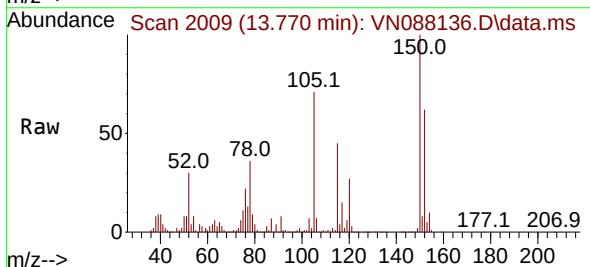
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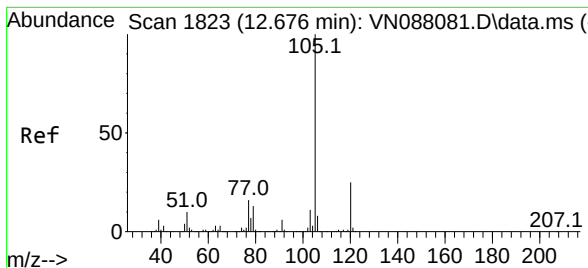
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion:152 Resp: 250379
Ion Ratio Lower Upper
152 100
115 0.0 32.3 96.8#
150 159.9 0.0 351.0





#73

Isopropylbenzene

Concen: 16.000 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. 0.006 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

MW-12

Tgt Ion:105 Resp: 308974

Ion Ratio Lower Upper

105 100

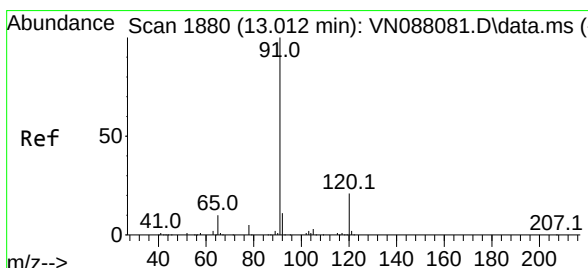
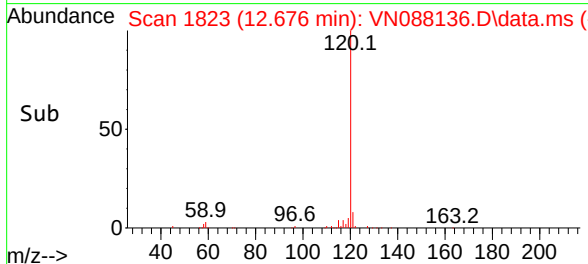
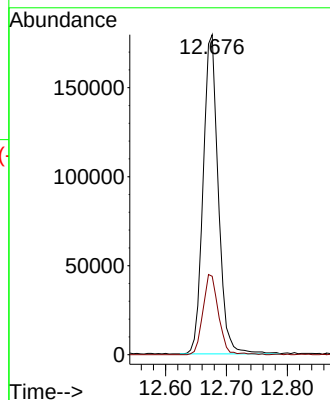
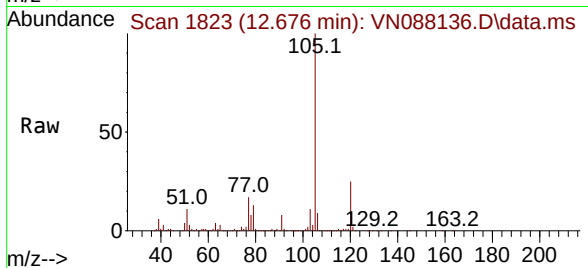
120 25.8 12.8 38.3

Manual Integrations

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Reviewed By :John Carlone 10/29/2025

Supervised By :Semsettin Yesilyurt 10/29/2025



#78

n-propylbenzene

Concen: 30.991 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN088136.D

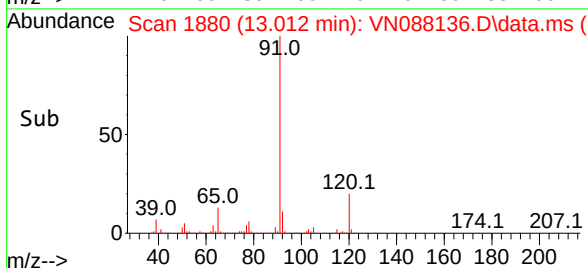
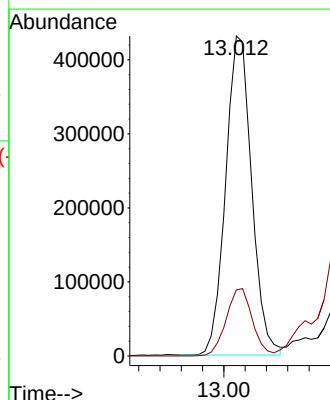
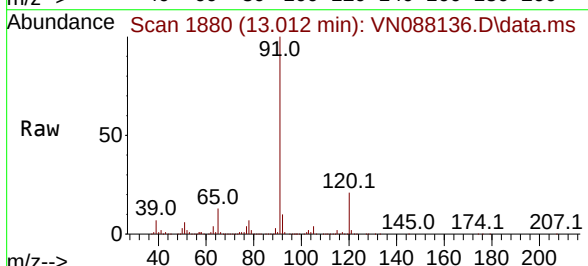
Acq: 28 Oct 2025 13:59

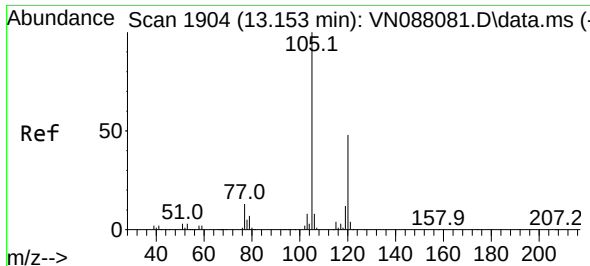
Tgt Ion: 91 Resp: 730347

Ion Ratio Lower Upper

91 100

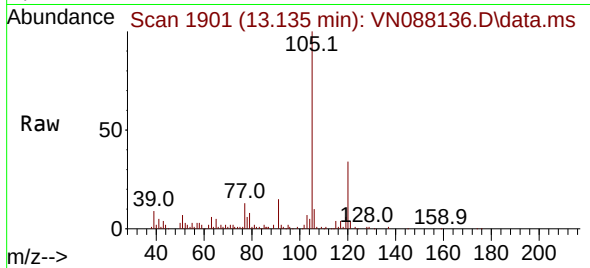
120 21.3 10.7 32.1





#80
1,3,5-Trimethylbenzene
Concen: 4.869 ug/l m
RT: 13.135 min Scan# 1904
Delta R.T. -0.018 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

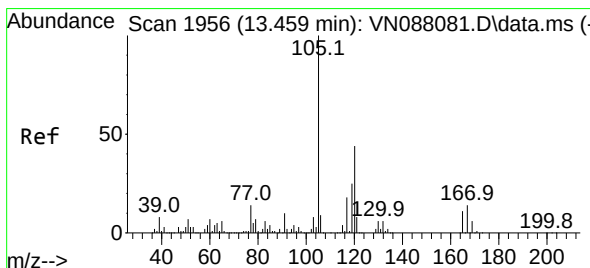
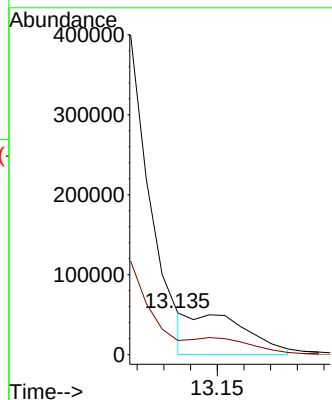
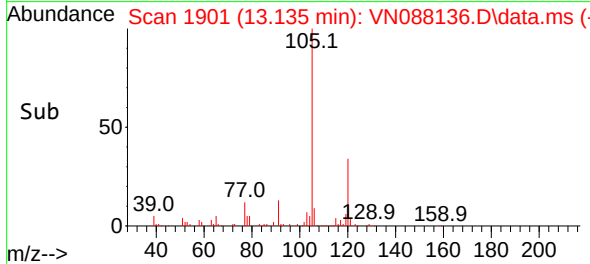
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:105 Resp: 78092
Ion Ratio Lower Upper
105 100
120 0.0 23.2 69.6

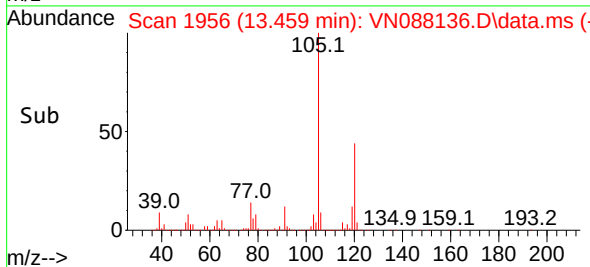
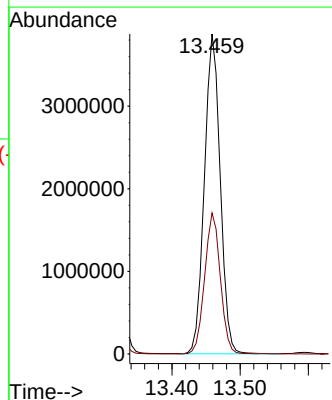
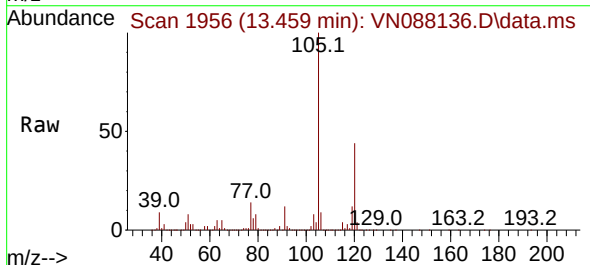
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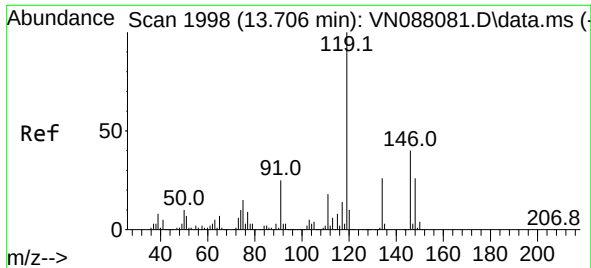
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#84
1,2,4-Trimethylbenzene
Concen: 389.515 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion:105 Resp: 6250252
Ion Ratio Lower Upper
105 100
120 43.7 22.0 66.0





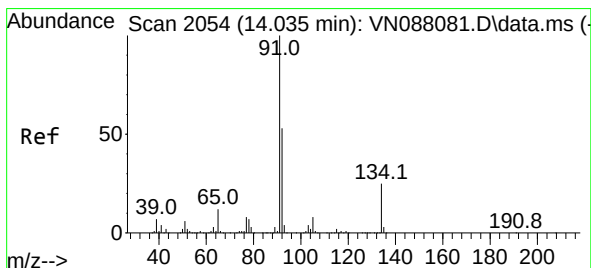
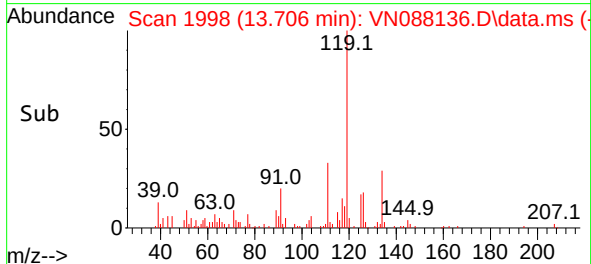
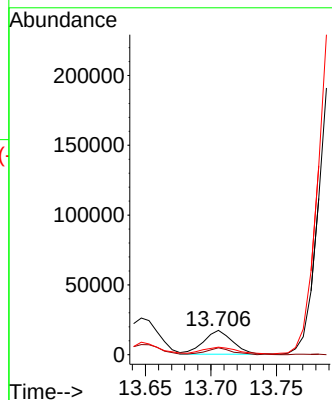
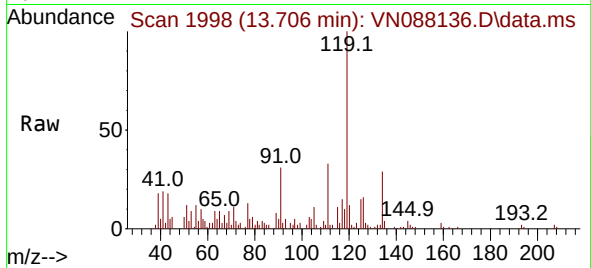
#86
p-Isopropyltoluene
Concen: 1.546 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion: 119 Resp: 26100
Ion Ratio Lower Upper
119 100
134 26.6 12.7 38.0
91 0.0 12.5 37.5

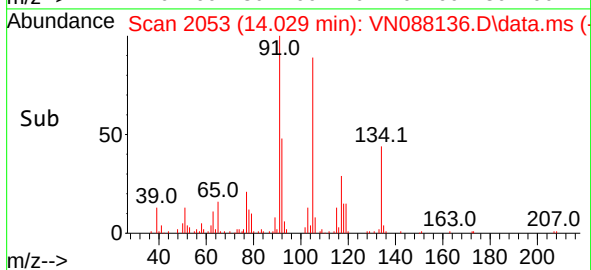
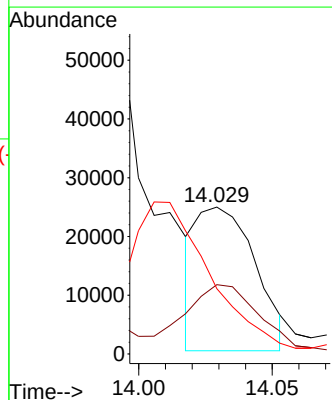
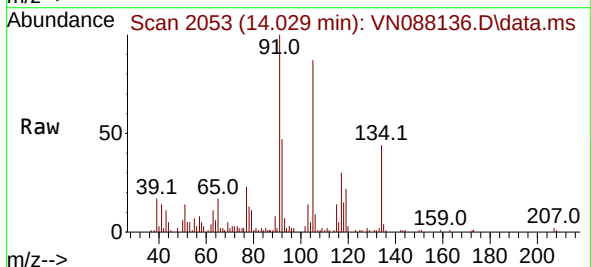
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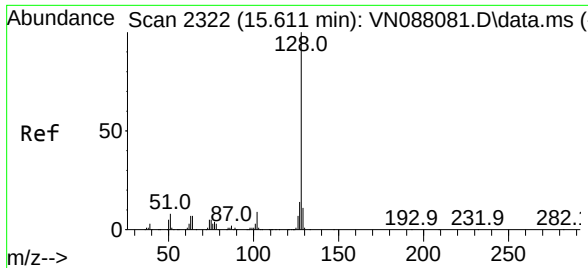
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#89
n-Butylbenzene
Concen: 2.244 ug/l m
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

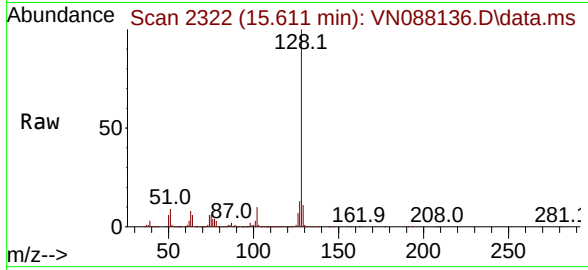
Tgt Ion: 91 Resp: 37537
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 11.7 35.0#





#95
Naphthalene
Concen: 182.341 ug/l m
RT: 15.611 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:128 Resp: 303144
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8
129 0.0 8.6 12.8

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

