

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088121.D
 Acq On : 27 Oct 2025 17:39
 Operator : JC\MD
 Sample : Q3426-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP2

Quant Time: Oct 28 01:31:32 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

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
 Supervised By :Semsettin Yesilyurt 10/28/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	270716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	619054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	604894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	319105	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	278849	59.567	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.140%	
35) Dibromofluoromethane	8.153	113	205748	49.472	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.940%	
50) Toluene-d8	10.541	98	789126	49.244	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.480%	
62) 4-Bromofluorobenzene	12.829	95	350129	61.868	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 123.740%#	

Target Compounds

						Qvalue
16) Acetone	4.430	43	65194	27.721	ug/l #	89
25) 2-Butanone	7.471	43	32449	10.470	ug/l	98
31) Cyclohexane	8.241	56	1010963	154.281	ug/l	94
39) Methylcyclohexane	9.582	83	1179448	151.109	ug/l	98
40) Benzene	8.588	78	2700822	146.044	ug/l	99
52) Toluene	10.606	92	440530	38.637	ug/l	99
67) Ethyl Benzene	11.941	91	3344973	138.740	ug/l	100
68) m/p-Xylenes	12.047	106	5022656	556.006	ug/l	100
69) o-Xylene	12.376	106	879431	102.696	ug/l	97
73) Isopropylbenzene	12.670	105	218240	8.867	ug/l	99
78) n-propylbenzene	13.012	91	463514	15.433	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	2158921	105.621	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	4440527	217.133	ug/l	99
85) sec-Butylbenzene	13.594	105	97660m	3.640	ug/l	
86) p-Isopropyltoluene	13.706	119	102118	4.745	ug/l	93
89) n-Butylbenzene	14.029	91	113966m	5.346	ug/l	
95) Naphthalene	15.611	128	1196110	56.451	ug/l	95

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

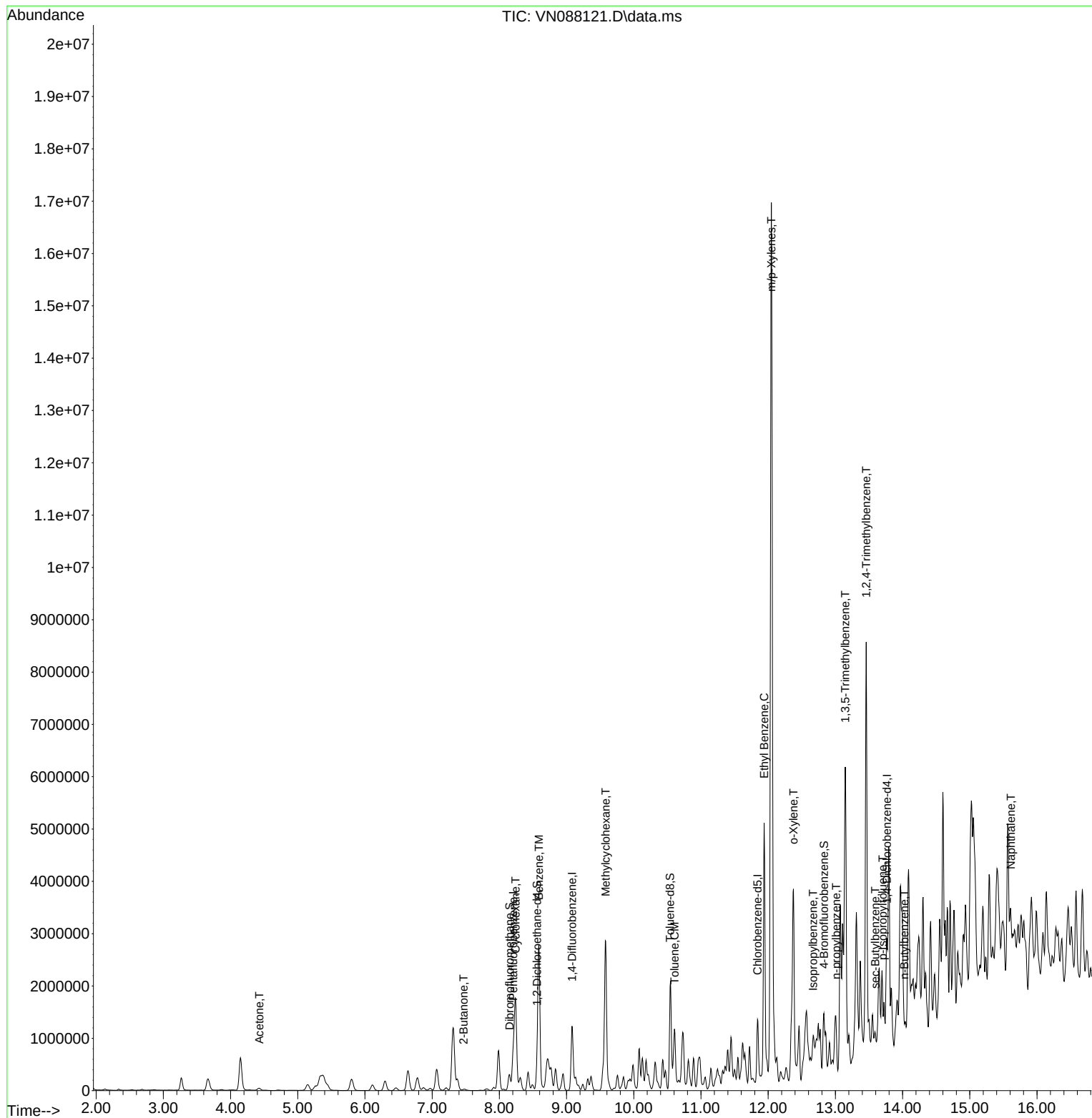
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
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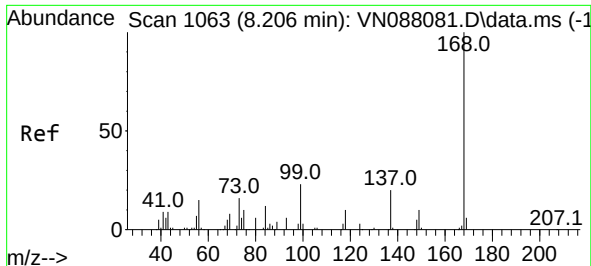
Instrument :
MSVOA_N
ClientSampleId :
TWP2

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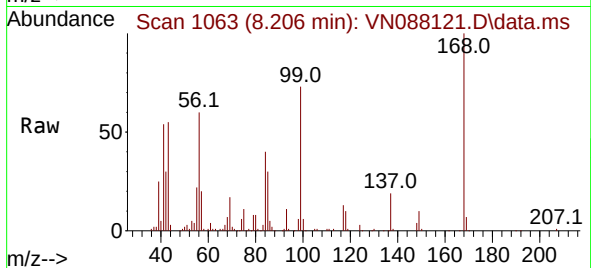
Quant Time: Oct 28 01:31:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

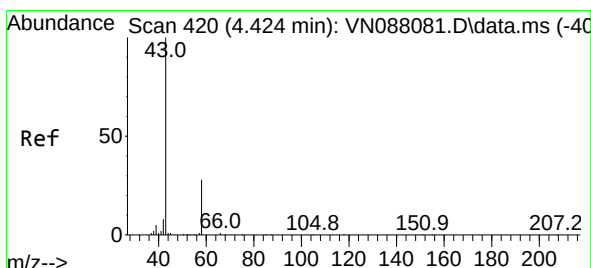
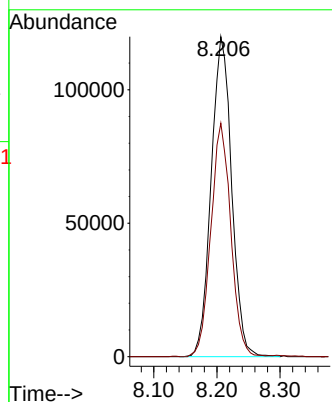
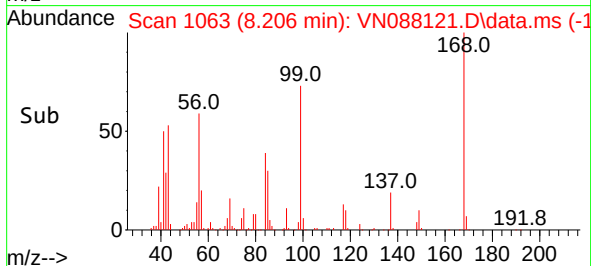
Instrument :
MSVOA_N
ClientSampleId :
TWP2



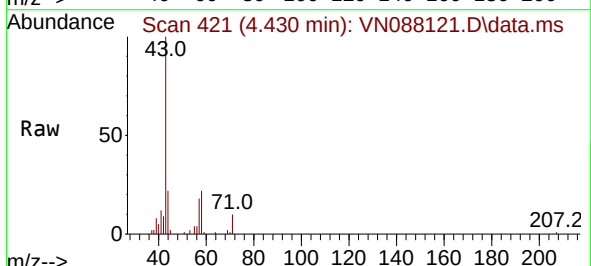
Tgt Ion:168 Resp: 270710
Ion Ratio Lower Upper
168 100
99 72.9 57.2 85.8

Manual Integrations
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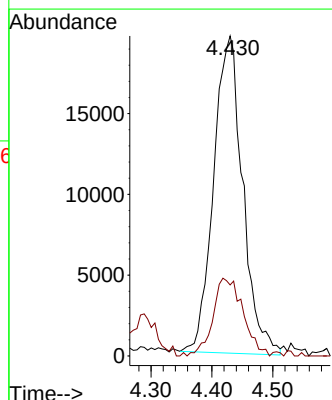
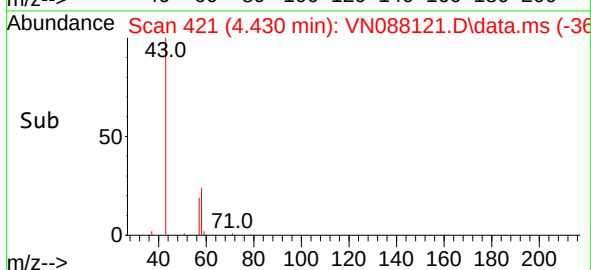
Reviewed By :John Carlone 10/28/2025
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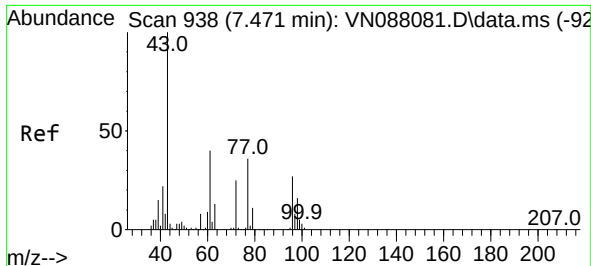


#16
Acetone
Concen: 27.721 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39



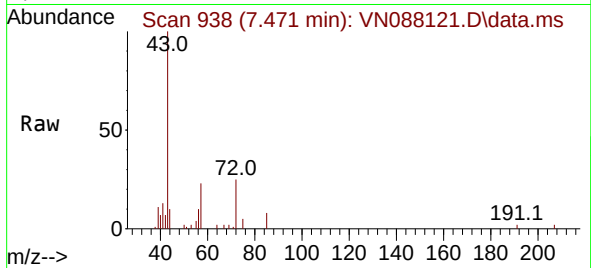
Tgt Ion: 43 Resp: 65194
Ion Ratio Lower Upper
43 100
58 22.5 22.6 33.8#





#25
2-Butanone
Concen: 10.470 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

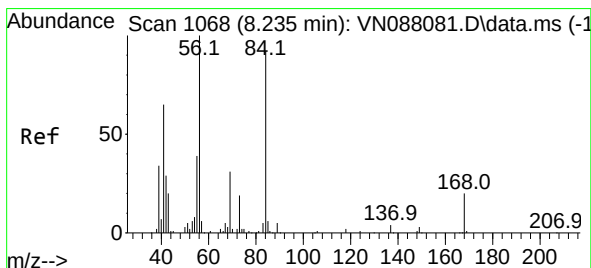
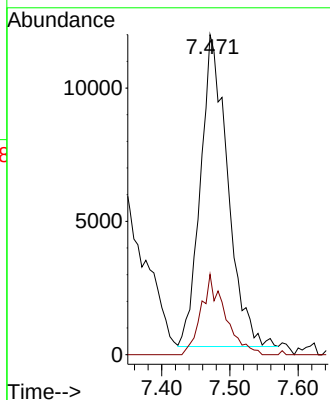
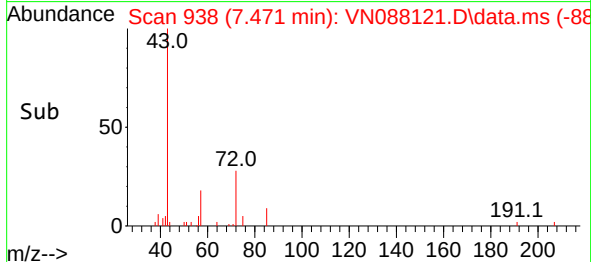
Instrument :
MSVOA_N
ClientSampleId :
TWP2



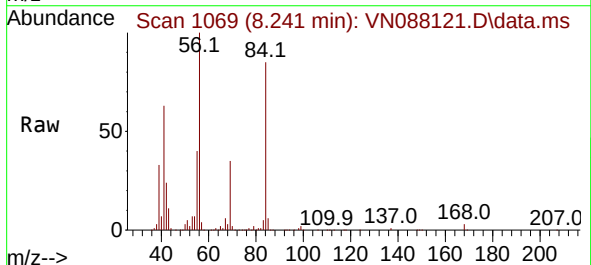
Tgt Ion: 43 Resp: 32449
Ion Ratio Lower Upper
43 100
72 25.8 19.9 29.9

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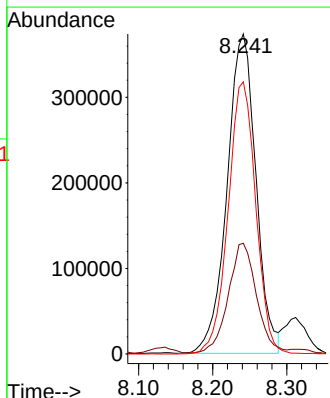
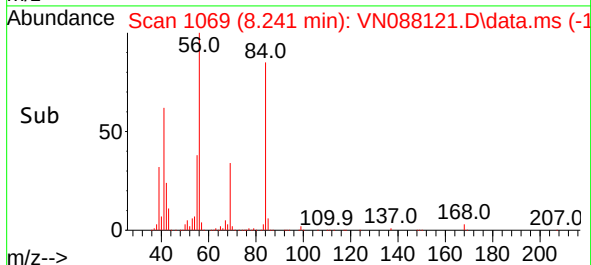
Reviewed By :John Carlone 10/28/2025
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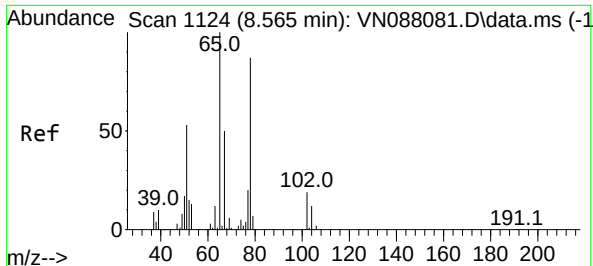


#31
Cyclohexane
Concen: 154.281 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39



Tgt Ion: 56 Resp: 1010963
Ion Ratio Lower Upper
56 100
69 33.8 23.7 35.5
84 85.2 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 59.567 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :

TWP2

Tgt Ion: 65 Resp: 278849

Ion Ratio Lower Upper

65 100

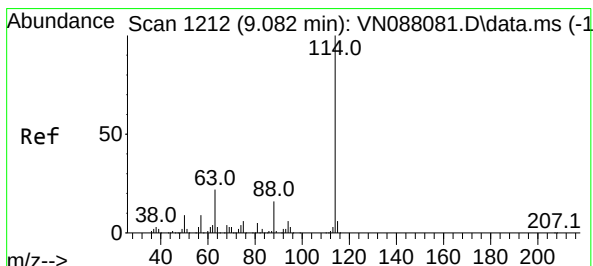
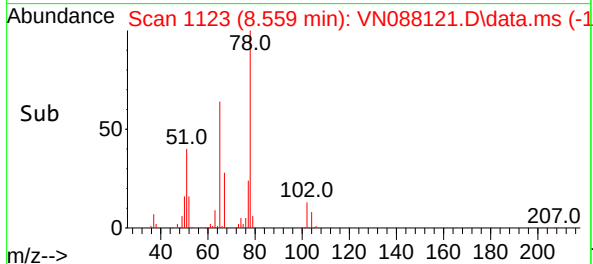
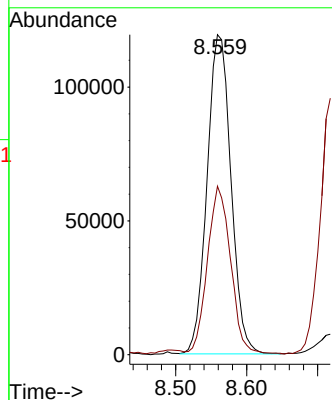
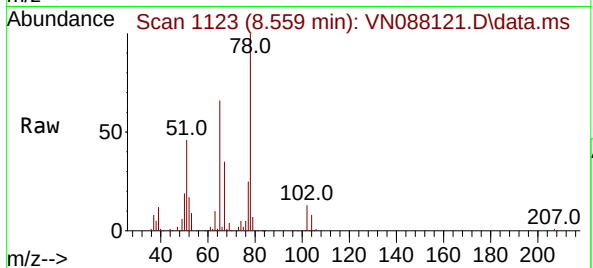
67 51.2 0.0 100.0

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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: VN088121.D

Acq: 27 Oct 2025 17:39

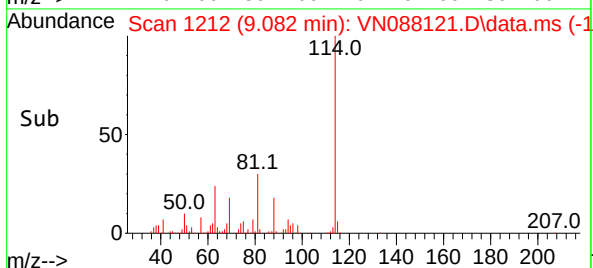
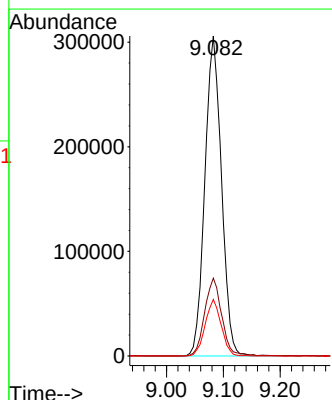
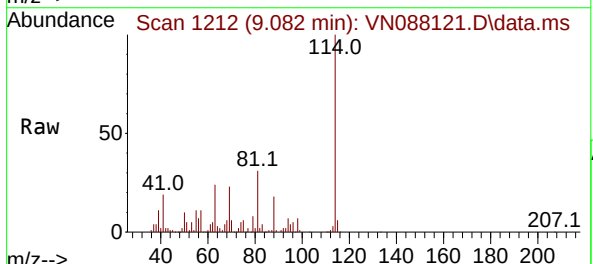
Tgt Ion:114 Resp: 619054

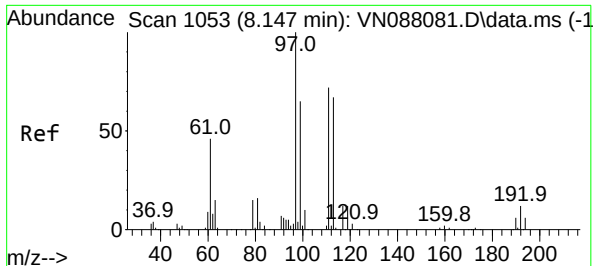
Ion Ratio Lower Upper

114 100

63 24.3 0.0 45.2

88 17.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.472 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :

TWP2

Tgt Ion: 113 Resp: 205748

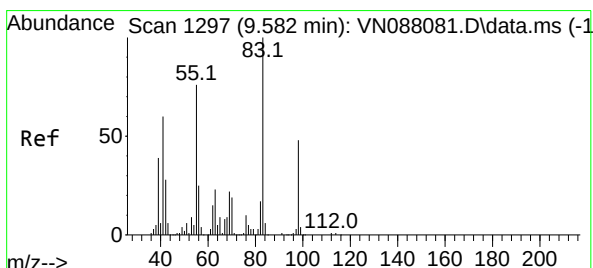
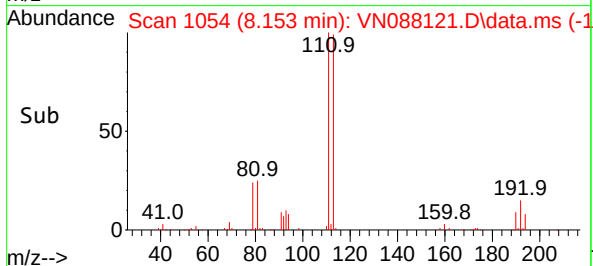
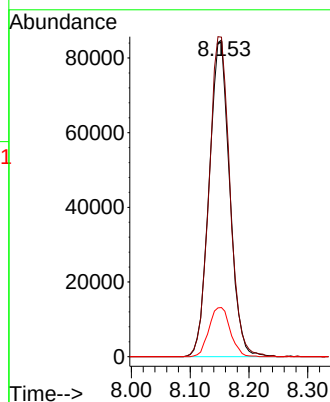
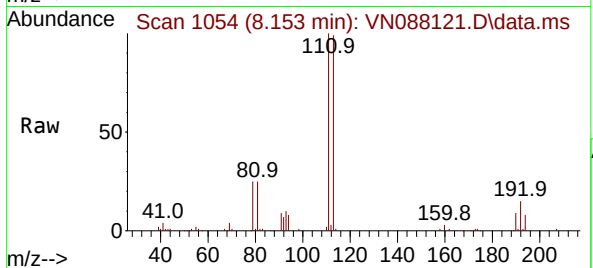
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.8	124.2
192	16.1	12.8	19.2

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#39

Methylcyclohexane

Concen: 151.109 ug/l

RT: 9.582 min Scan# 1297

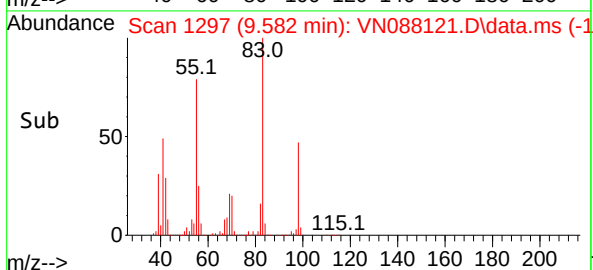
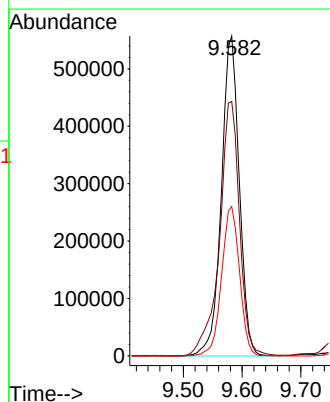
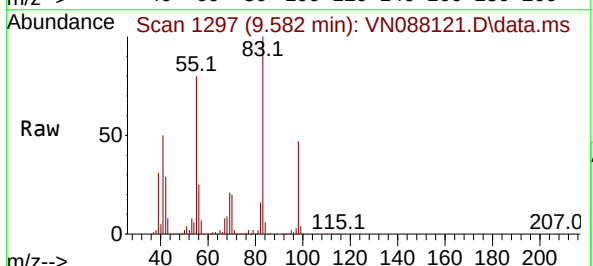
Delta R.T. -0.000 min

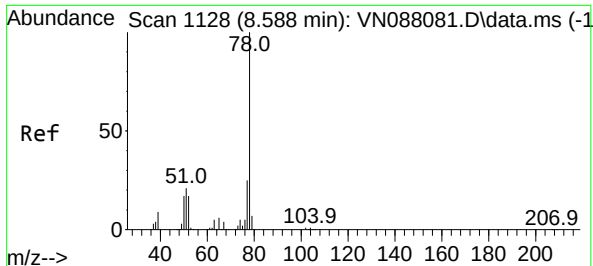
Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Tgt Ion: 83 Resp: 1179448

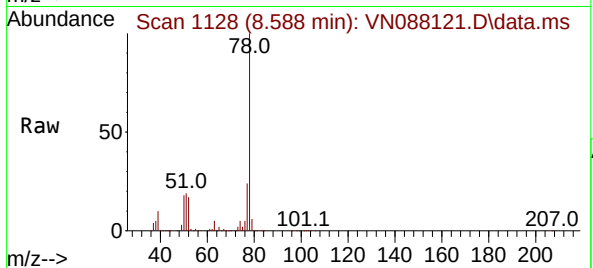
Ion	Ratio	Lower	Upper
83	100		
55	79.5	64.6	96.8
98	46.7	38.4	57.6





#40
Benzene
Concen: 146.044 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

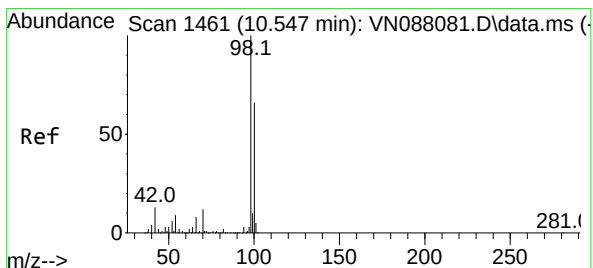
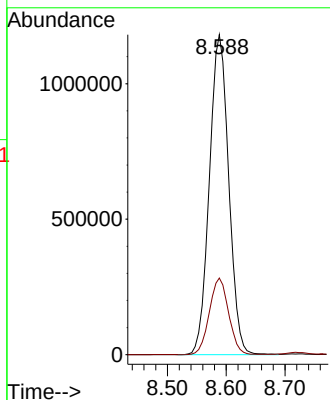
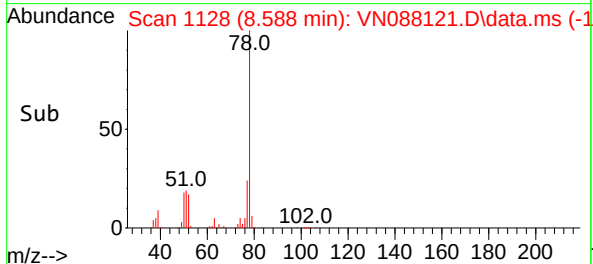
Instrument :
MSVOA_N
ClientSampleId :
TWP2



Tgt Ion: 78 Resp: 270082
Ion Ratio Lower Upper
78 100
77 24.0 19.7 29.5

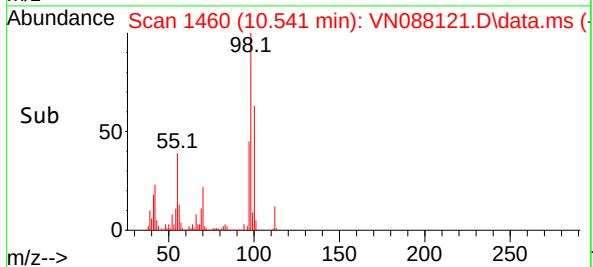
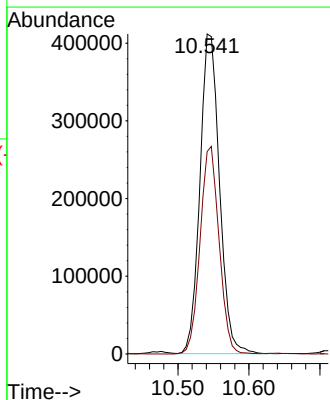
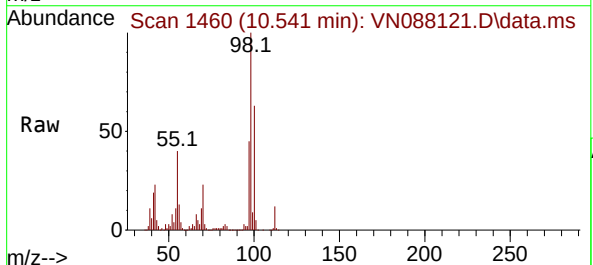
Manual Integrations
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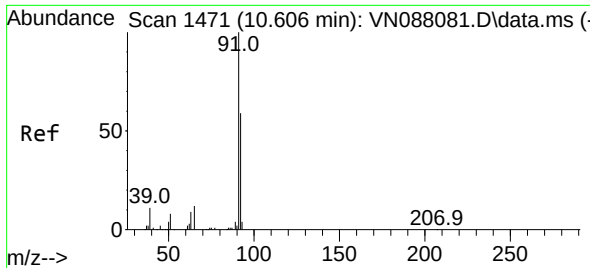
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#50
Toluene-d8
Concen: 49.244 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

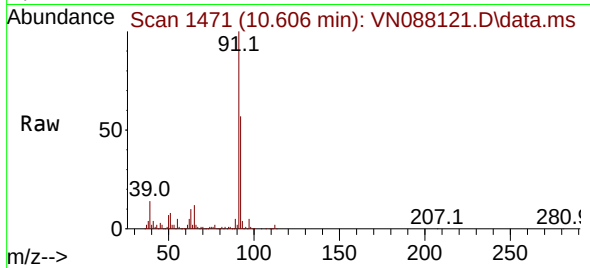
Tgt Ion: 98 Resp: 789126
Ion Ratio Lower Upper
98 100
100 62.9 52.8 79.2





#52
Toluene
Concen: 38.637 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

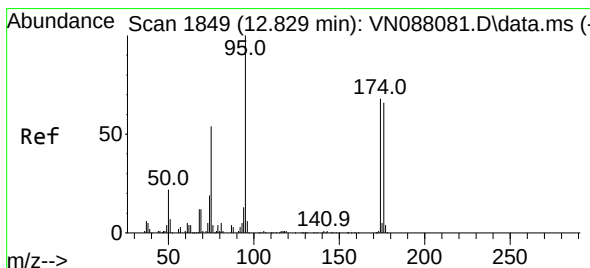
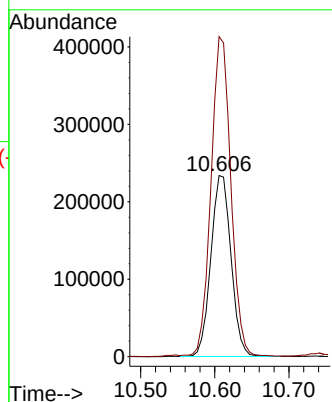
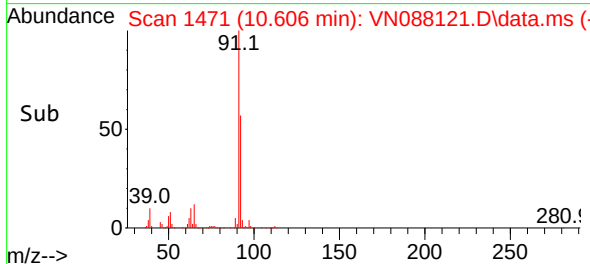
Instrument :
MSVOA_N
ClientSampleId :
TWP2



Tgt Ion: 92 Resp: 440530
Ion Ratio Lower Upper
92 100
91 174.2 140.4 210.6

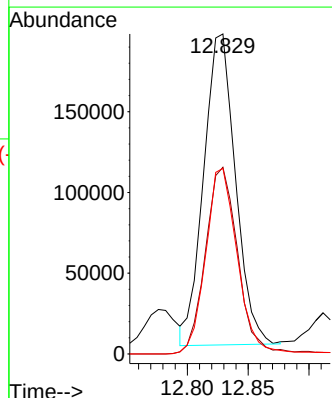
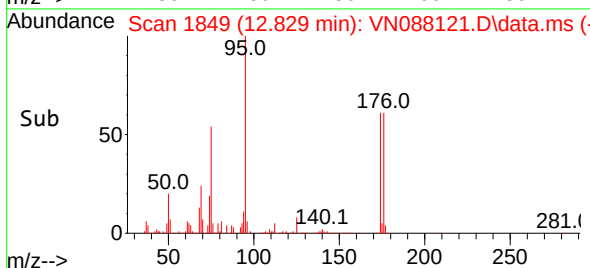
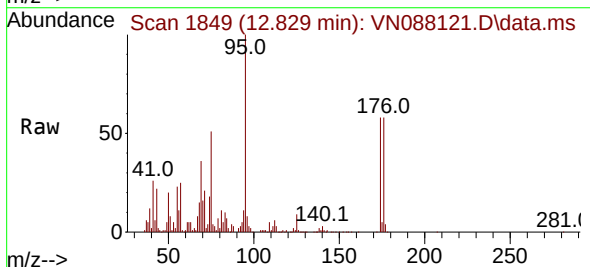
Manual Integrations
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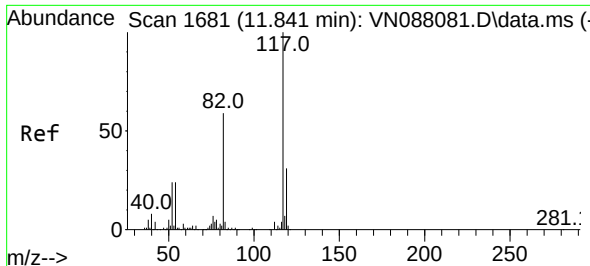
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#62
4-Bromofluorobenzene
Concen: 61.868 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

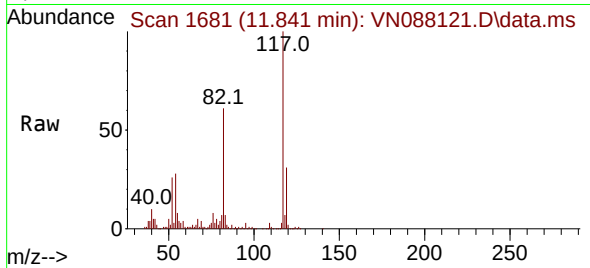
Tgt Ion: 95 Resp: 350129
Ion Ratio Lower Upper
95 100
174 61.8 0.0 138.4
176 59.9 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

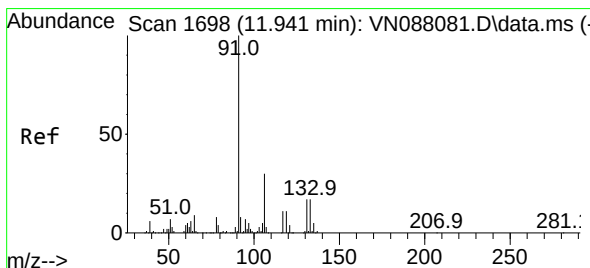
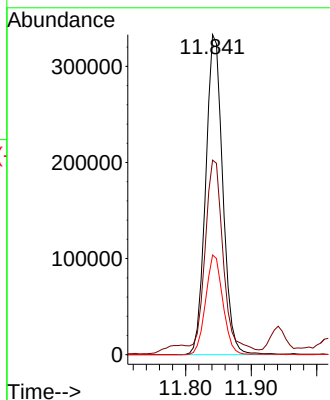
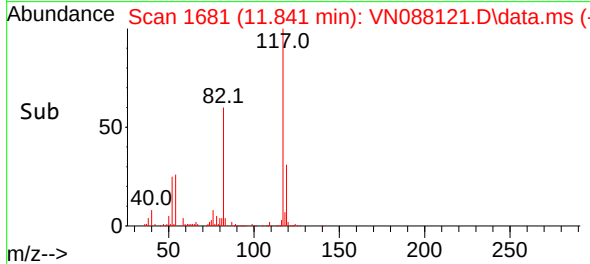
Instrument :
MSVOA_N
ClientSampleId :
TWP2



Tgt Ion:117 Resp: 604894
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.2 24.3 36.5

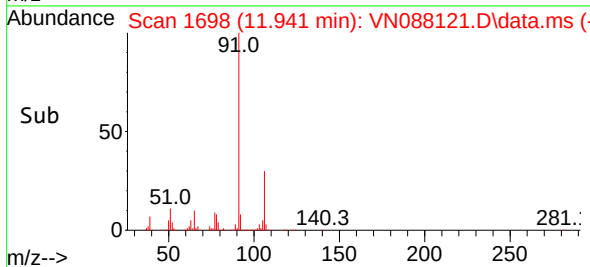
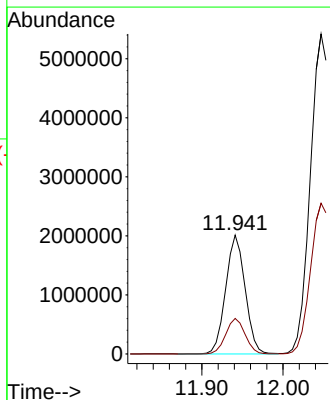
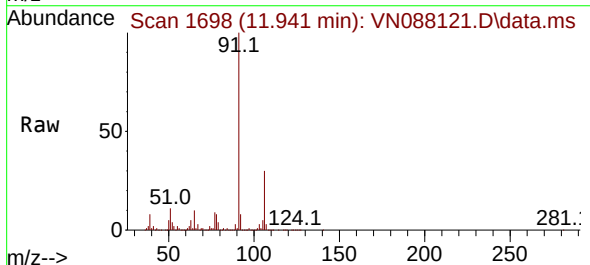
Manual Integrations
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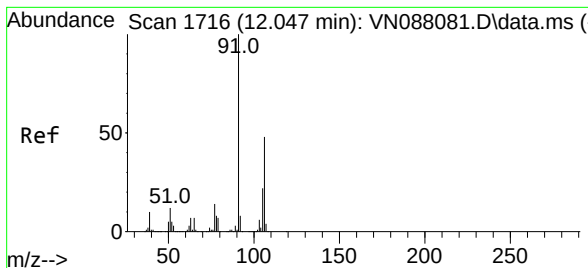
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#67
Ethyl Benzene
Concen: 138.740 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

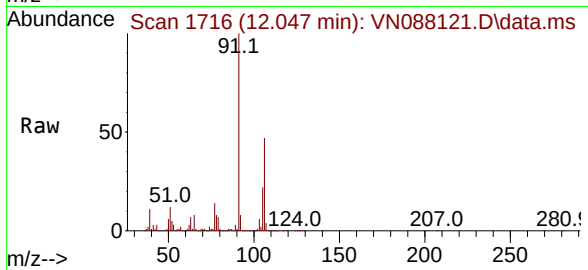
Tgt Ion: 91 Resp: 3344973
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1





#68
m/p-Xylenes
Concen: 556.006 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

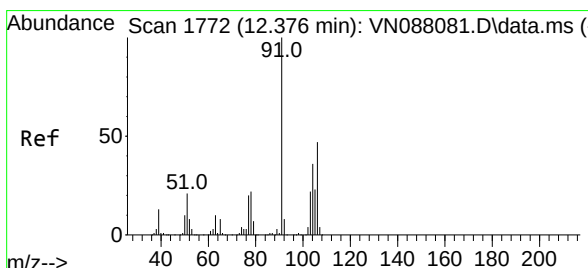
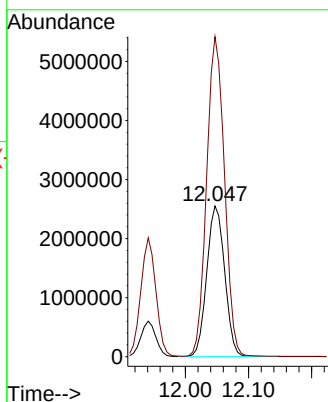
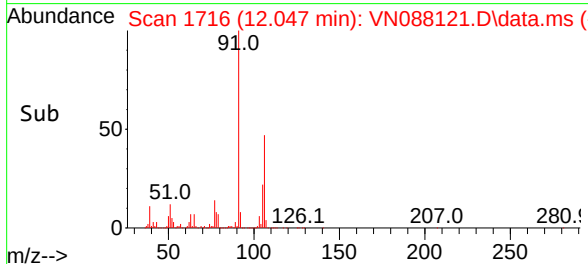
Instrument :
MSVOA_N
ClientSampleId :
TWP2



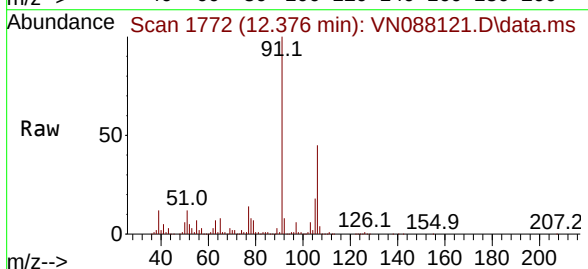
Tgt Ion:106 Resp: 5022650
Ion Ratio Lower Upper
106 100
91 212.2 169.3 253.9

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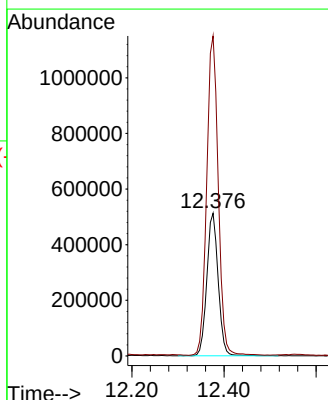
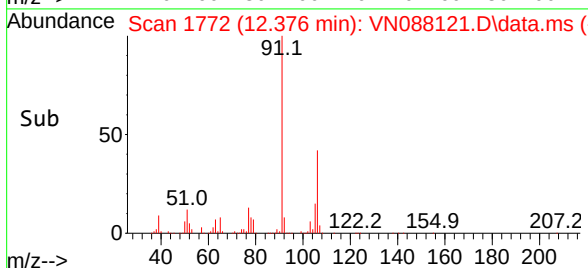
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

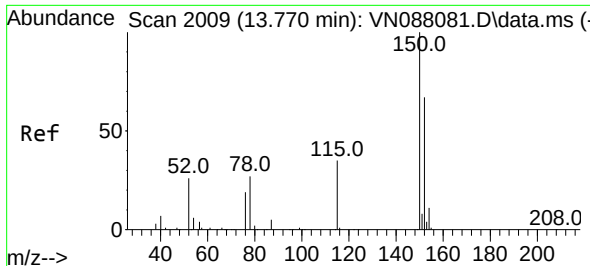


#69
o-Xylene
Concen: 102.696 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39



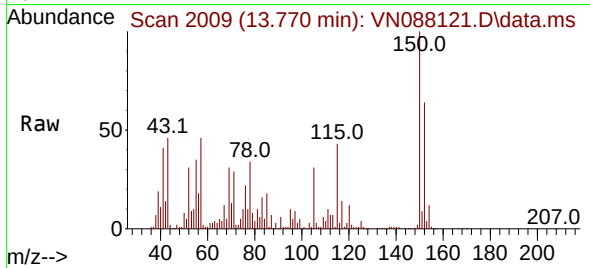
Tgt Ion:106 Resp: 879431
Ion Ratio Lower Upper
106 100
91 227.4 111.4 334.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

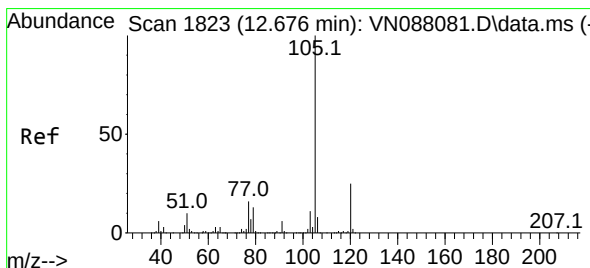
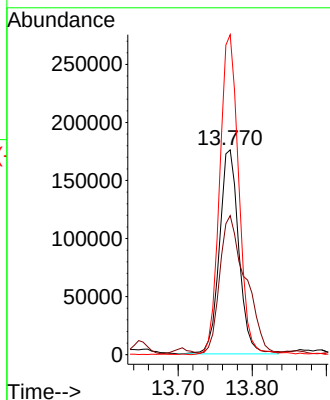
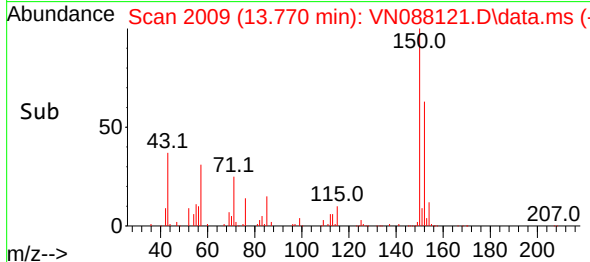
Instrument :
MSVOA_N
ClientSampleId :
TWP2



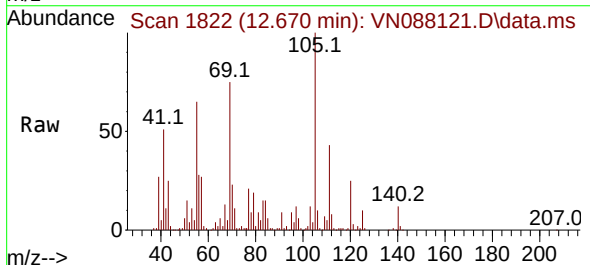
Tgt Ion:152 Resp: 31910
Ion Ratio Lower Upper
152 100
115 89.2 32.3 96.8
150 155.1 0.0 351.0

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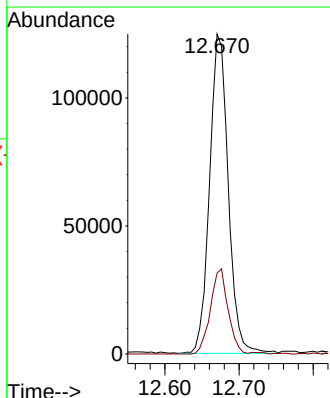
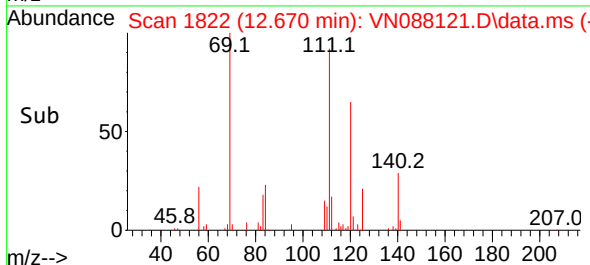
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

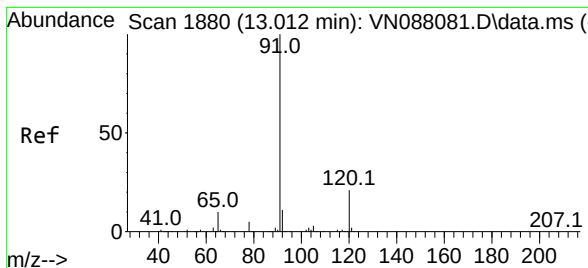


#73
Isopropylbenzene
Concen: 8.867 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39



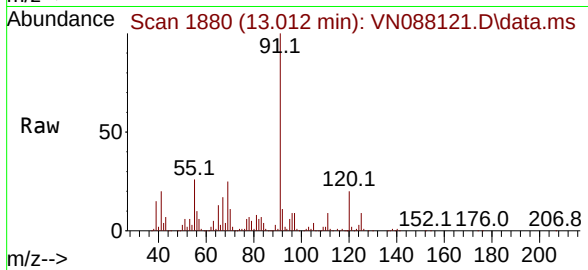
Tgt Ion:105 Resp: 218240
Ion Ratio Lower Upper
105 100
120 25.1 12.8 38.3





#78
n-propylbenzene
Concen: 15.433 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

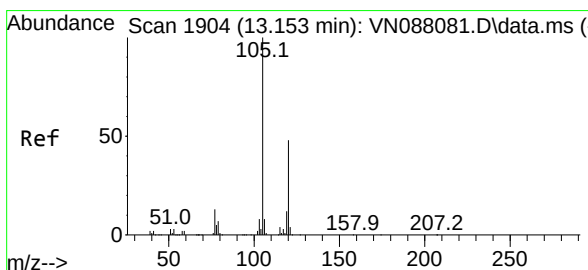
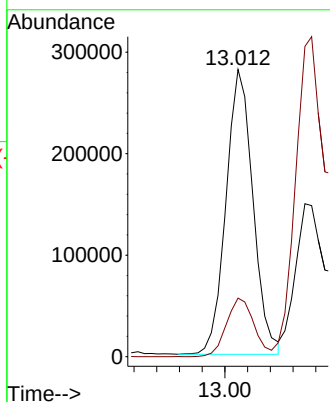
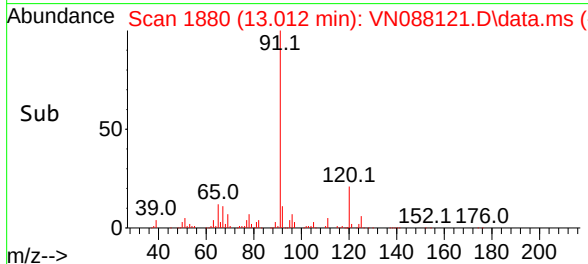
Instrument :
MSVOA_N
ClientSampleId :
TWP2



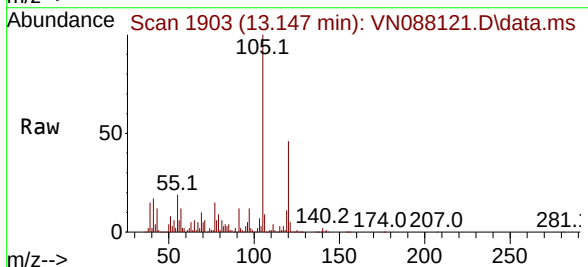
Tgt Ion: 91 Resp: 463514
Ion Ratio Lower Upper
91 100
120 21.0 10.7 32.1

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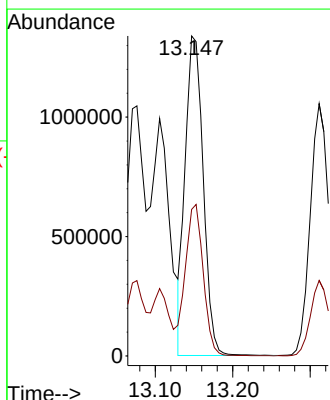
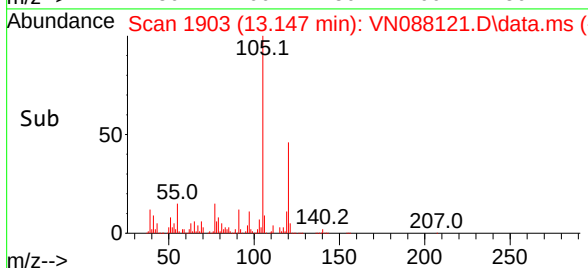
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

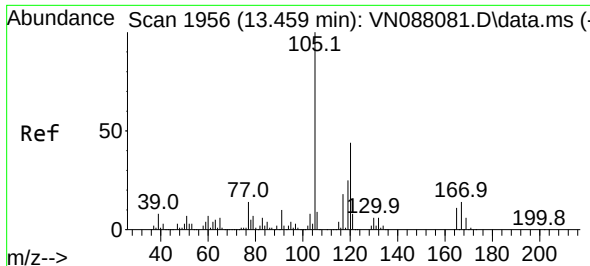


#80
1,3,5-Trimethylbenzene
Concen: 105.621 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39



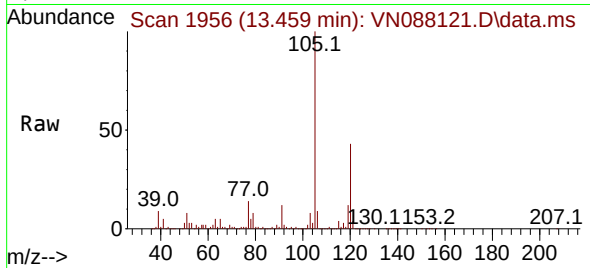
Tgt Ion:105 Resp: 2158921
Ion Ratio Lower Upper
105 100
120 48.4 23.2 69.6





#84
1,2,4-Trimethylbenzene
Concen: 217.133 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

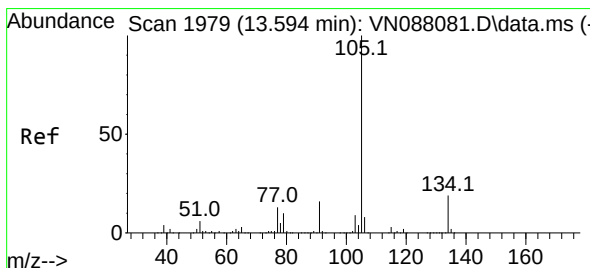
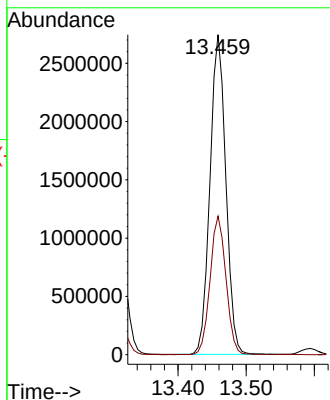
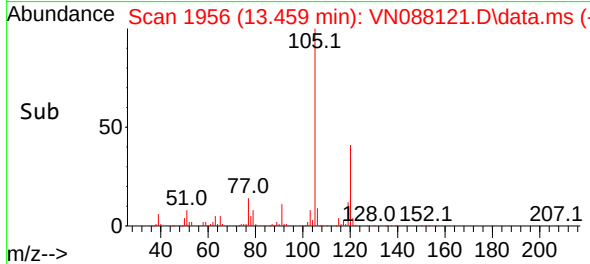
Instrument :
MSVOA_N
ClientSampleId :
TWP2



Tgt Ion:105 Resp: 444052
Ion Ratio Lower Upper
105 100
120 43.3 22.0 66.0

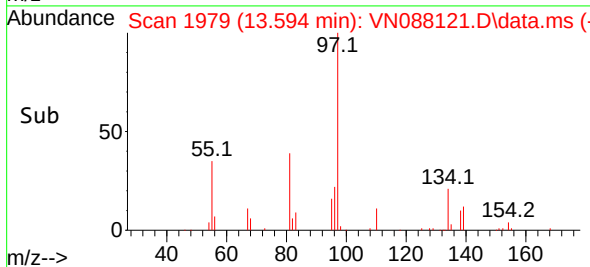
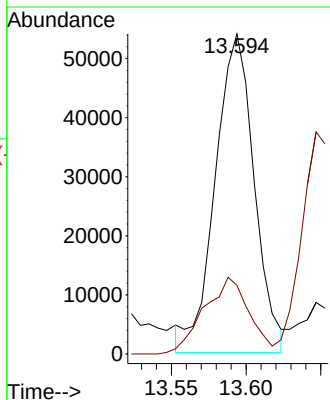
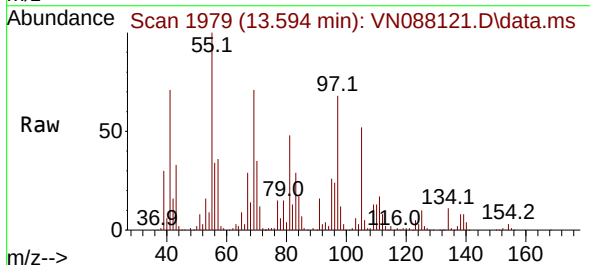
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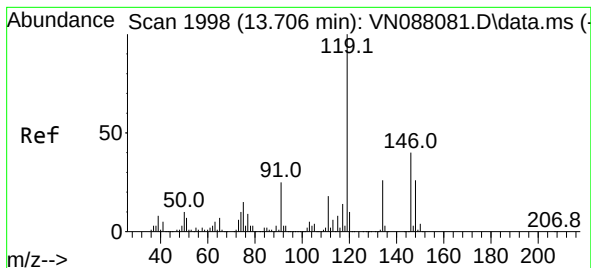
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#85
sec-Butylbenzene
Concen: 3.640 ug/l m
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:105 Resp: 97660
Ion Ratio Lower Upper
105 100
134 0.0 9.6 28.6#





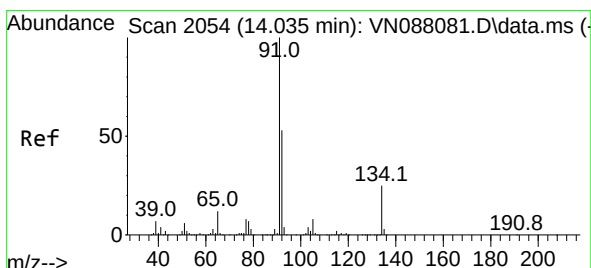
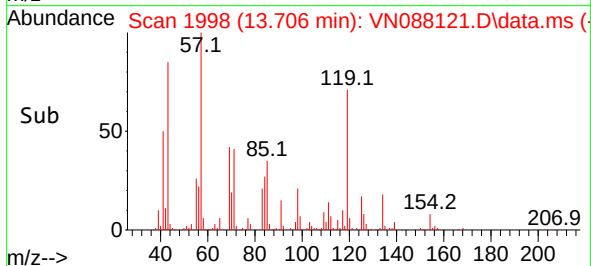
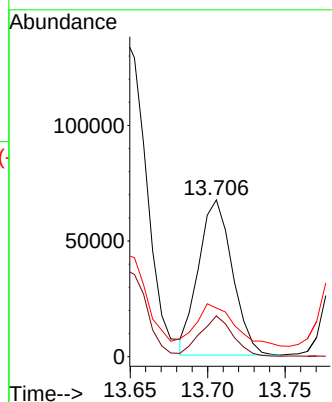
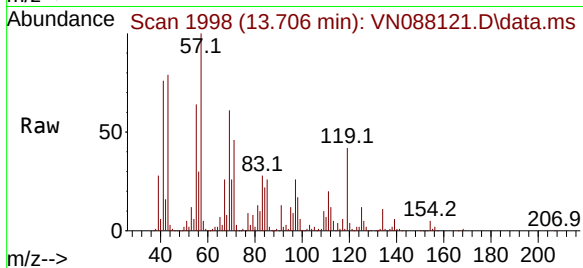
#86
p-Isopropyltoluene
Concen: 4.745 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Instrument :
MSVOA_N
ClientSampleId :
TWP2

Tgt Ion:119 Resp: 102118
Ion Ratio Lower Upper
119 100
134 24.9 12.7 38.0
91 31.2 12.5 37.5

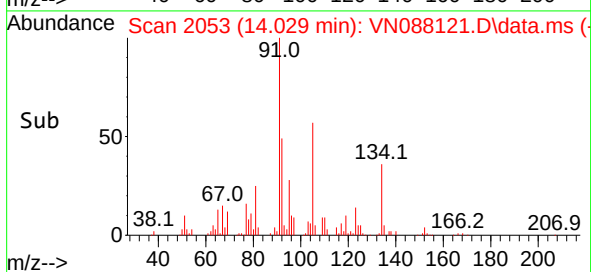
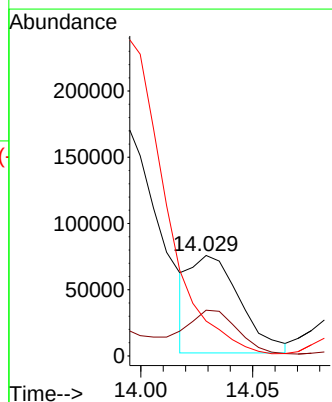
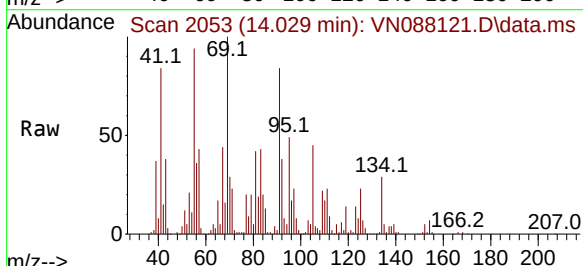
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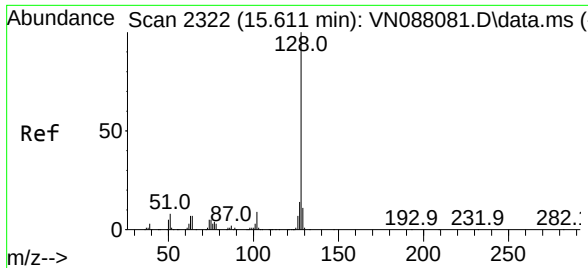
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#89
n-Butylbenzene
Concen: 5.346 ug/l m
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

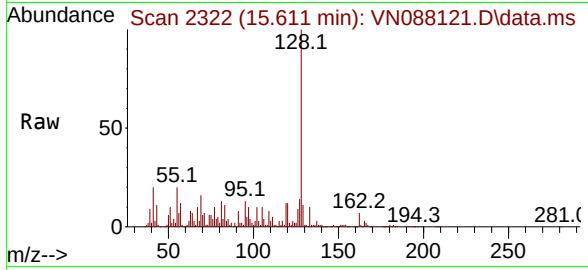
Tgt Ion: 91 Resp: 113966
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 399.1 11.7 35.0#





#95
Naphthalene
Concen: 56.451 ug/l
RT: 15.611 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Instrument :
MSVOA_N
ClientSampleId :
TWP2



Tgt Ion:128 Resp: 1196110
Ion Ratio Lower Upper
128 100
127 15.6 10.6 15.8
129 12.1 8.6 12.8

Manual Integrations
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Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

