

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087855.D
 Acq On : 16 Sep 2025 17:11
 Operator : JC\MD
 Sample : Q3109-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2025
 Supervised By : Mahesh Dadoda 09/19/2025

Quant Time: Sep 17 01:24:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	207001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	471522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	448961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	231412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	192234	45.325	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.660%		
35) Dibromofluoromethane	8.153	113	164014	48.177	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.360%		
50) Toluene-d8	10.547	98	598470	46.968	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.940%		
62) 4-Bromofluorobenzene	12.829	95	221635	48.910	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.820%		
Target Compounds					Qvalue	
31) Cyclohexane	8.241	56	1315630	246.620	ug/l	91
39) Methylcyclohexane	9.582	83	646552	112.444	ug/l	95
40) Benzene	8.588	78	138853	8.668	ug/l	94
52) Toluene	10.612	92	37801	3.806	ug/l	98
67) Ethyl Benzene	11.935	91	20587447	1064.553	ug/l #	49
68) m/p-Xylenes	12.053	106	505131	71.221	ug/l	98
69) o-Xylene	12.376	106	81311	11.698	ug/l	96
73) Isopropylbenzene	12.670	105	1402638	75.009	ug/l	100
78) n-propylbenzene	13.012	91	5127514	222.613	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	147731m	9.313	ug/l	
84) 1,2,4-Trimethylbenzene	13.459	105	12558281	790.823	ug/l	97
85) sec-Butylbenzene	13.594	105	195343m	9.958	ug/l	
86) p-Isopropyltoluene	13.706	119	83334	5.144	ug/l #	75
89) n-Butylbenzene	14.035	91	300086	18.653	ug/l #	81
95) Naphthalene	15.611	128	10096091	576.249	ug/l	100

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

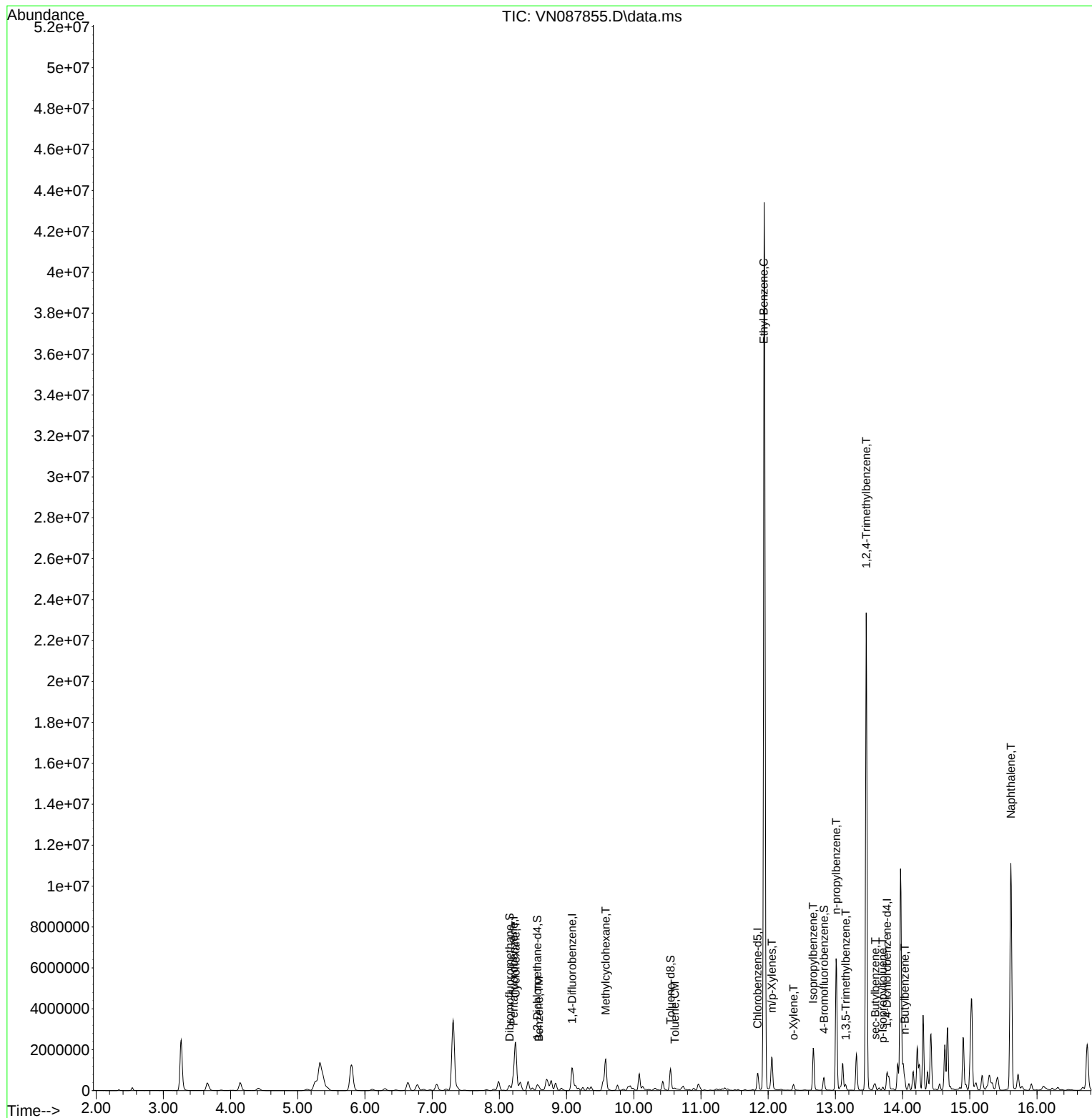
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
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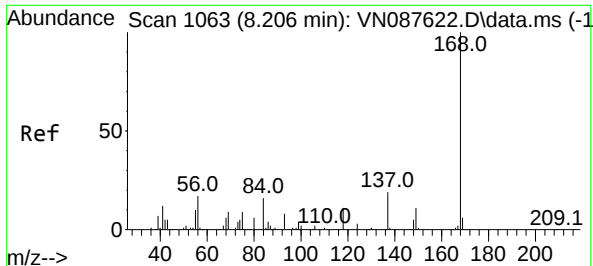
Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Time: Sep 17 01:24:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

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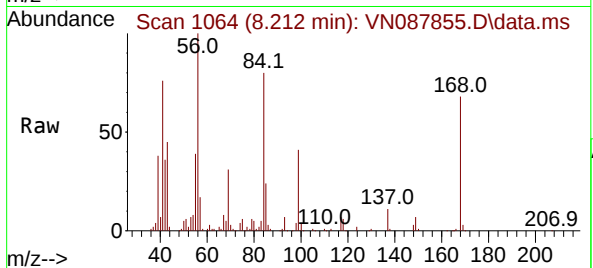
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

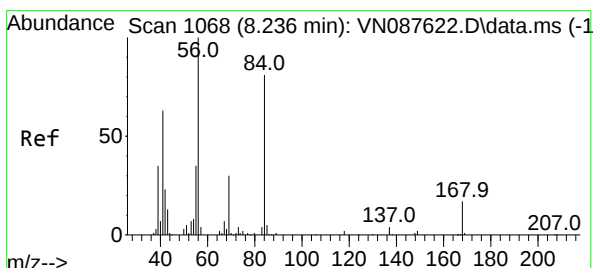
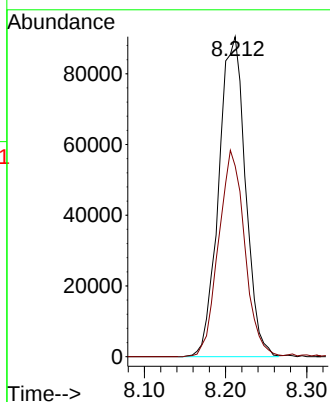
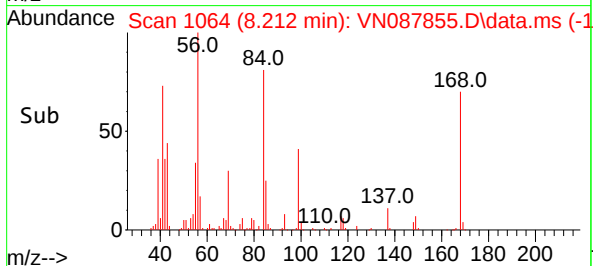
Instrument :
MSVOA_N
ClientSampleId :
MW1



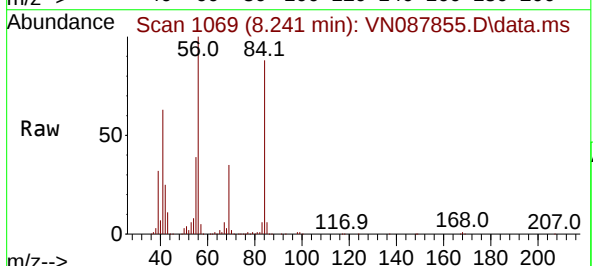
Tgt Ion: 168 Resp: 207000
Ion Ratio Lower Upper
168 100
99 59.6 57.2 85.8

Manual Integrations
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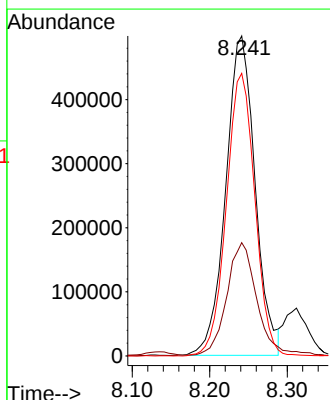
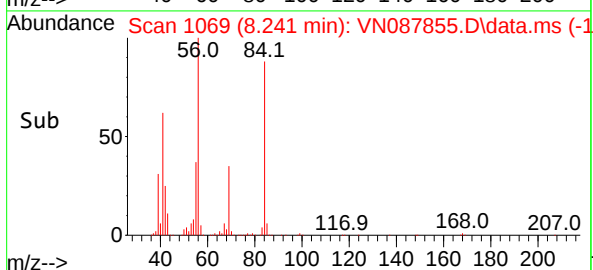
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

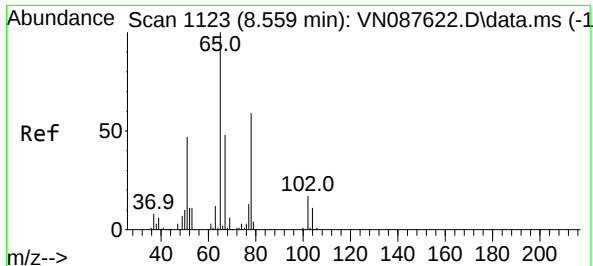


#31
Cyclohexane
Concen: 246.620 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11



Tgt Ion: 56 Resp: 1315630
Ion Ratio Lower Upper
56 100
69 35.0 23.7 35.5
84 88.4 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 45.325 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087855.D

Acq: 16 Sep 2025 17:11

Instrument :

MSVOA_N

ClientSampleId :

MW1

Tgt Ion: 65 Resp: 192234

Ion Ratio Lower Upper

65 100

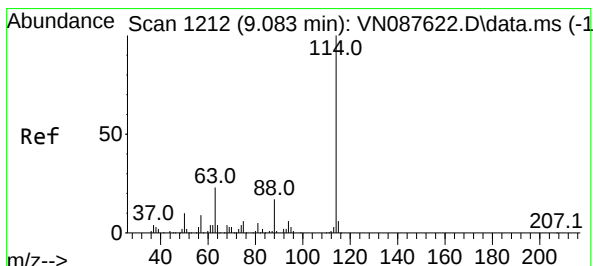
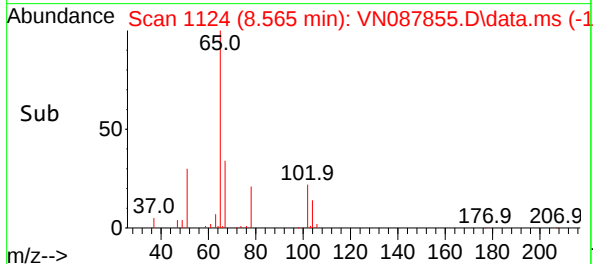
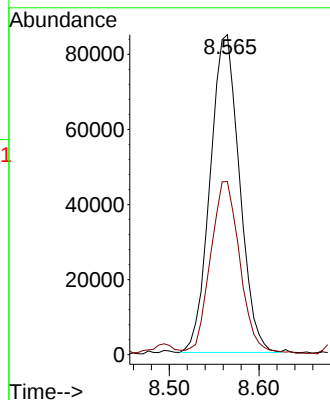
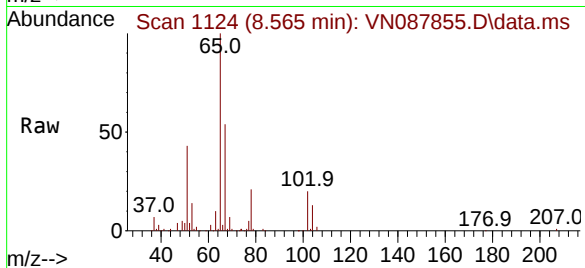
67 54.0 0.0 100.0

Manual Integrations

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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: VN087855.D

Acq: 16 Sep 2025 17:11

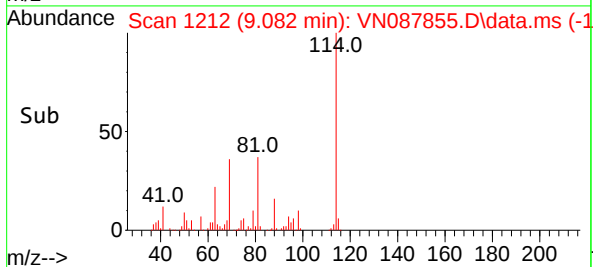
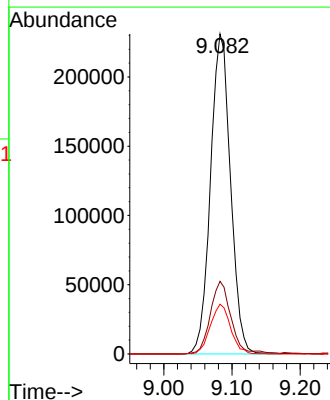
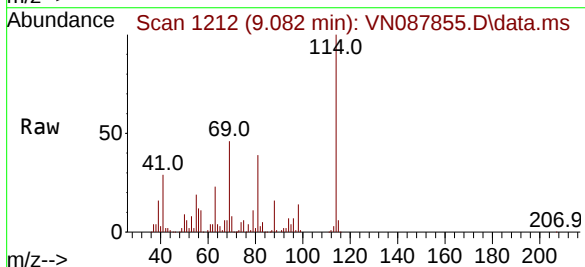
Tgt Ion:114 Resp: 471522

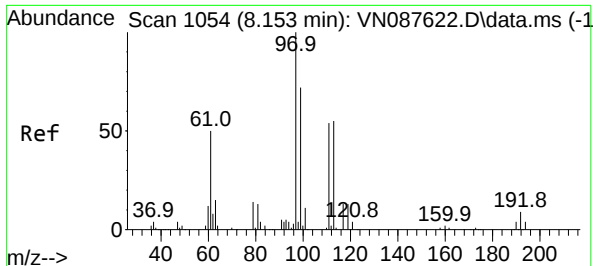
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.177 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087855.D

Acq: 16 Sep 2025 17:11

Instrument :

MSVOA_N

ClientSampleId :

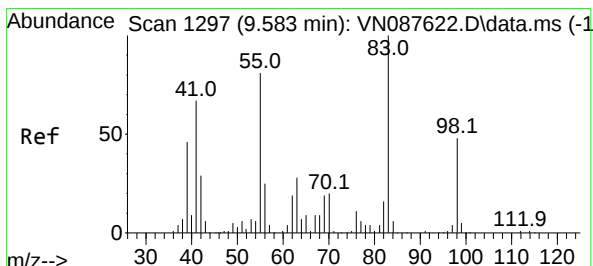
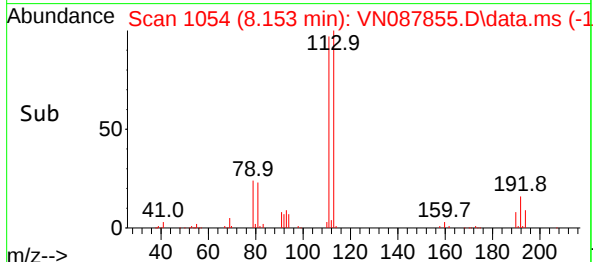
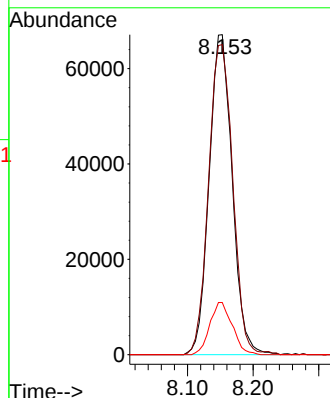
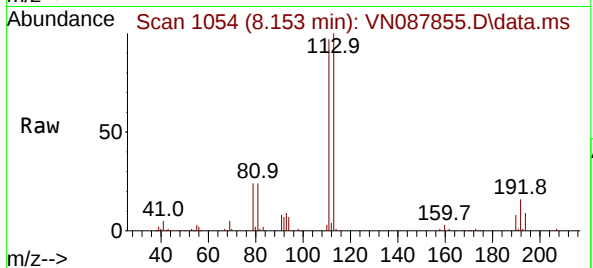
MW1

Tgt Ion:	113	Resp:	164014
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.8	124.2
192	15.9	12.8	19.2

Manual Integrations

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#39

Methylcyclohexane

Concen: 112.444 ug/l

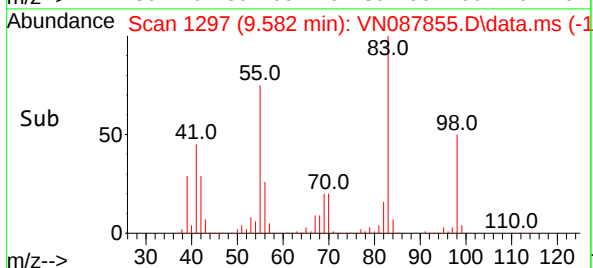
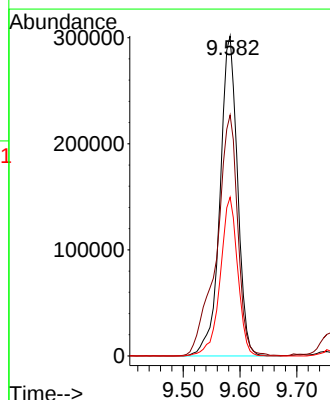
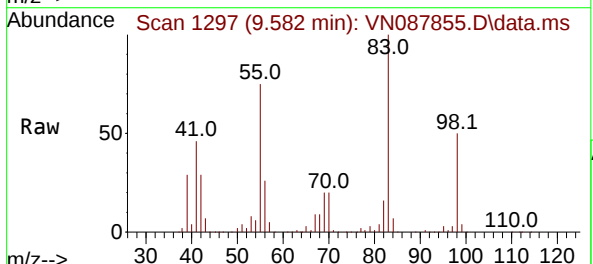
RT: 9.582 min Scan# 1297

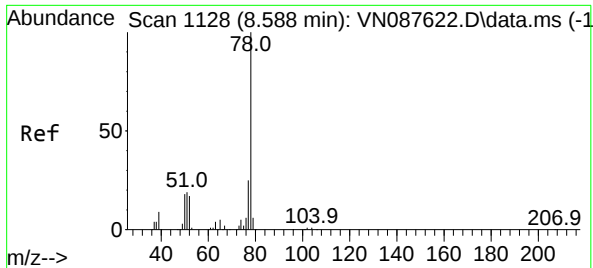
Delta R.T. -0.000 min

Lab File: VN087855.D

Acq: 16 Sep 2025 17:11

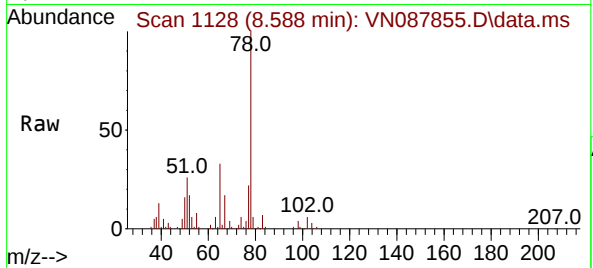
Tgt Ion:	83	Resp:	646552
Ion	Ratio	Lower	Upper
83	100		
55	75.2	64.6	96.8
98	49.6	38.4	57.6





#40
Benzene
Concen: 8.668 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

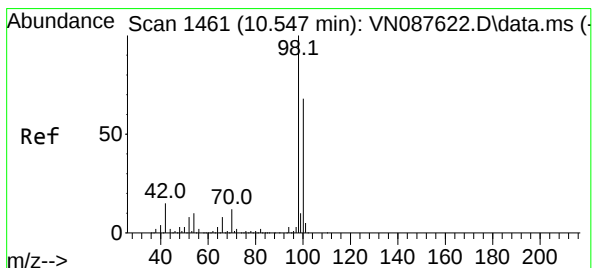
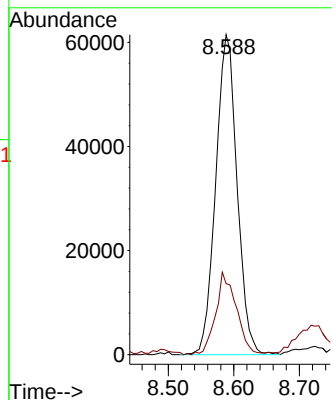
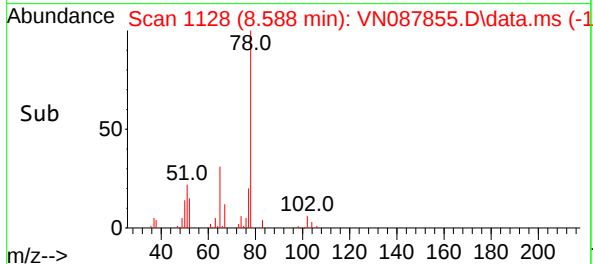
Instrument :
MSVOA_N
ClientSampleId :
MW1



Tgt Ion: 78 Resp: 13885
Ion Ratio Lower Upper
78 100
77 21.5 19.7 29.5

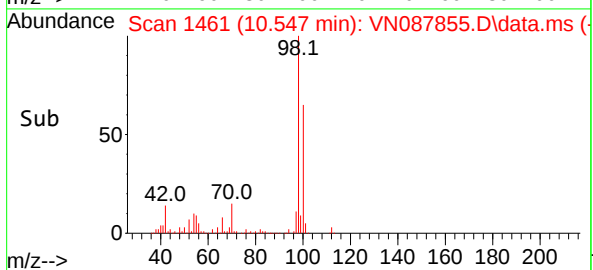
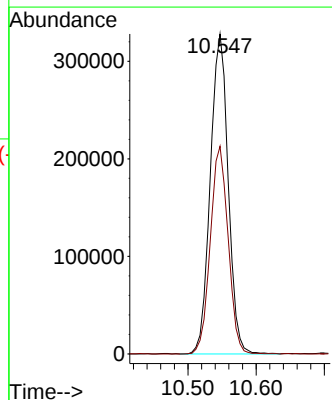
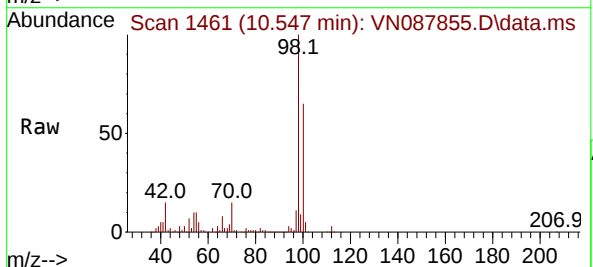
Manual Integrations
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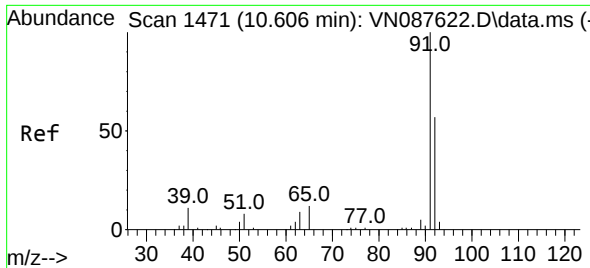
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#50
Toluene-d8
Concen: 46.968 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

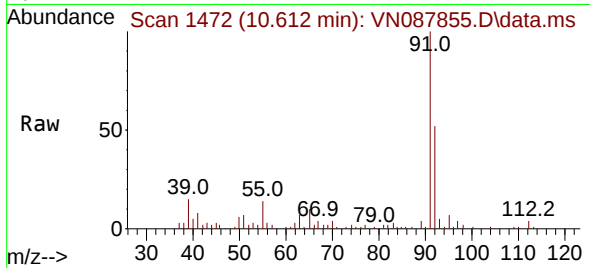
Tgt Ion: 98 Resp: 598470
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2





#52
Toluene
Concen: 3.806 ug/l
RT: 10.612 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

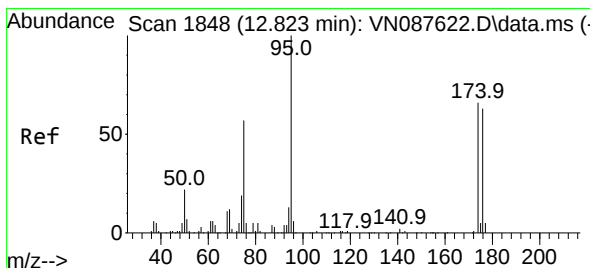
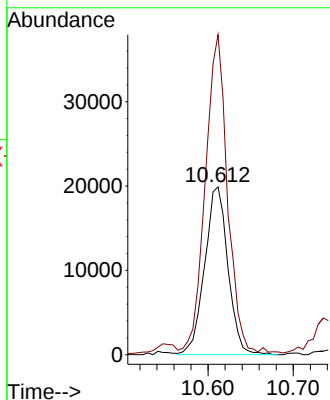
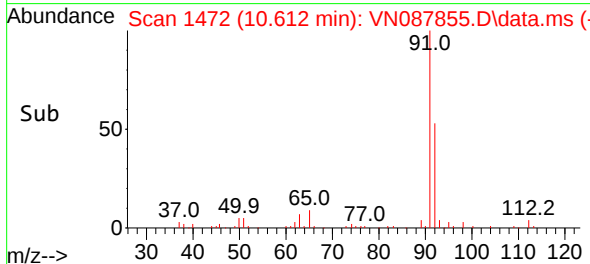
Instrument :
MSVOA_N
ClientSampleId :
MW1



Tgt Ion: 92 Resp: 3780
Ion Ratio Lower Upper
92 100
91 178.9 140.4 210.6

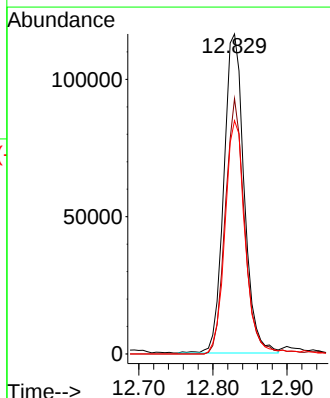
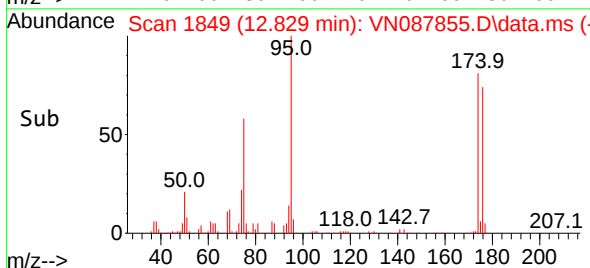
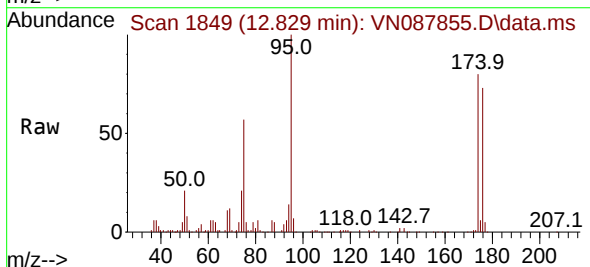
Manual Integrations
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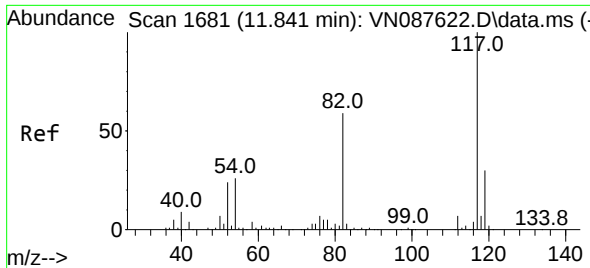
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#62
4-Bromofluorobenzene
Concen: 48.910 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

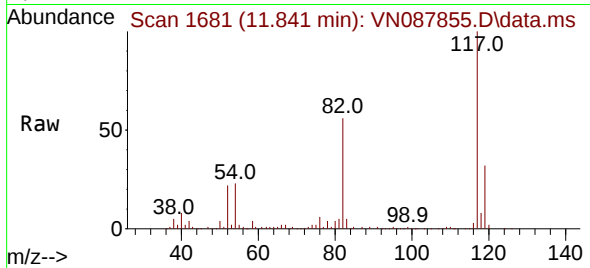
Tgt Ion: 95 Resp: 221635
Ion Ratio Lower Upper
95 100
174 76.1 0.0 138.4
176 72.6 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

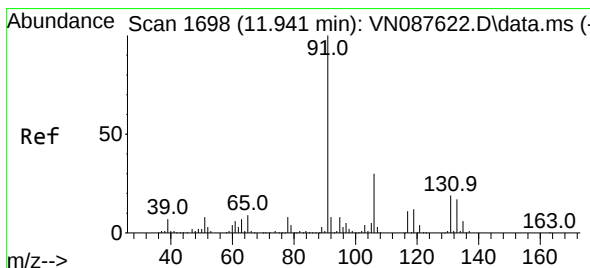
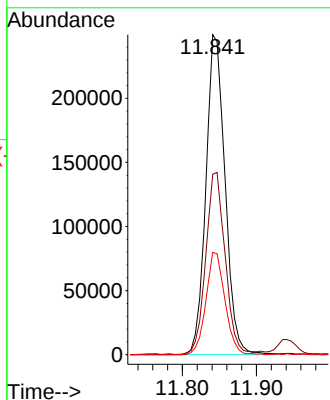
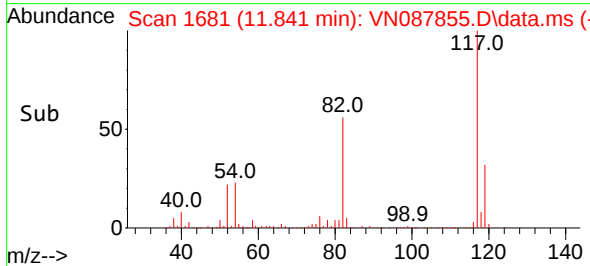
Instrument :
MSVOA_N
ClientSampleId :
MW1



Tgt Ion:117 Resp: 44896
Ion Ratio Lower Upper
117 100
82 56.3 47.4 71.2
119 31.9 24.3 36.5

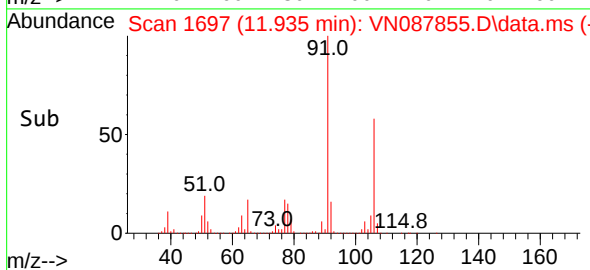
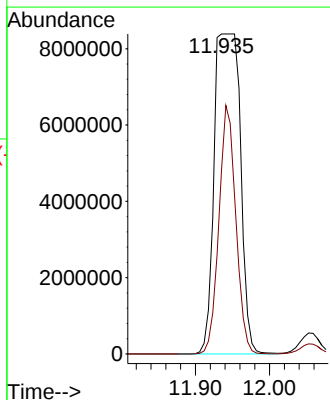
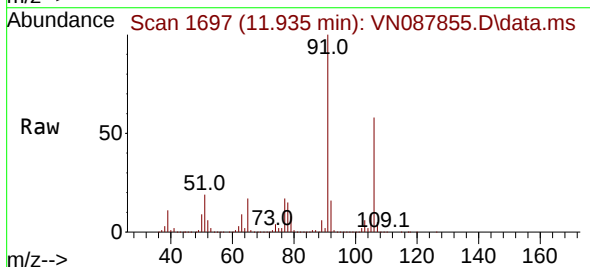
Manual Integrations
APPROVED

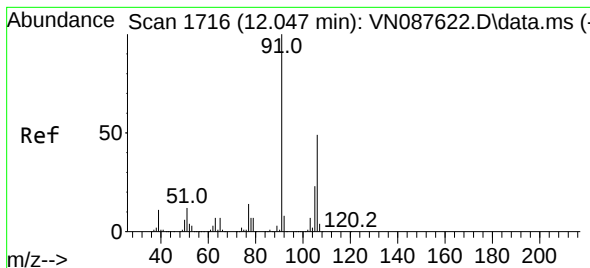
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#67
Ethyl Benzene
Concen: 1064.553 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion: 91 Resp:20587447
Ion Ratio Lower Upper
91 100
106 57.8 24.1 36.1#





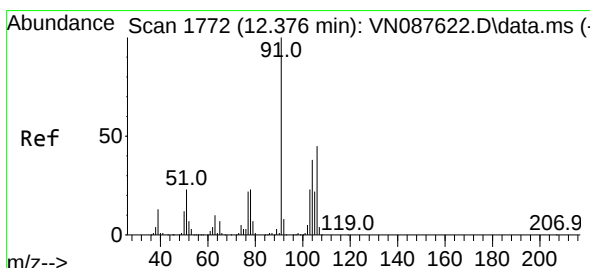
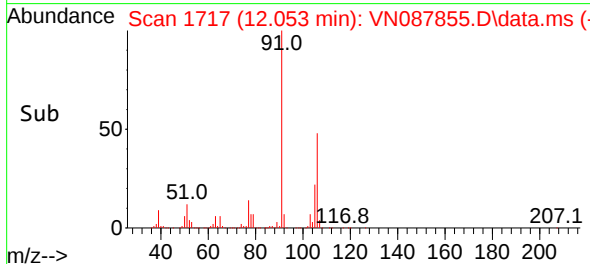
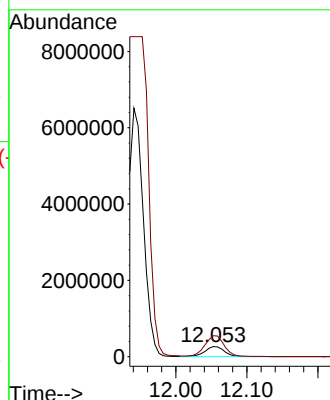
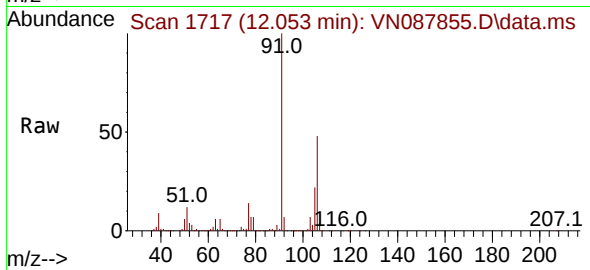
#68
m/p-Xylenes
Concen: 71.221 ug/l
RT: 12.053 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion:106 Resp: 50513
Ion Ratio Lower Upper
106 100
91 207.8 169.3 253.9

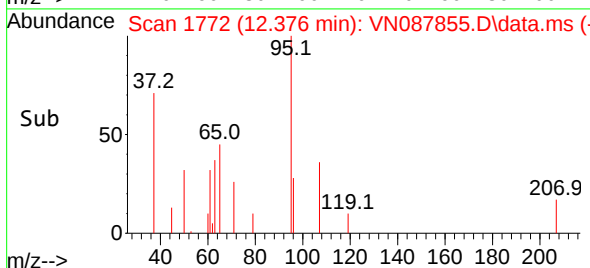
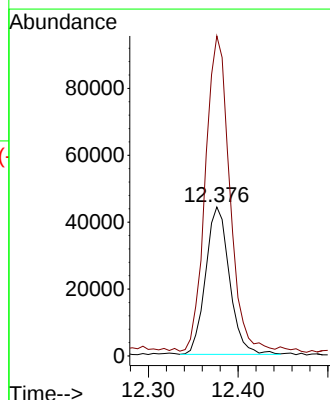
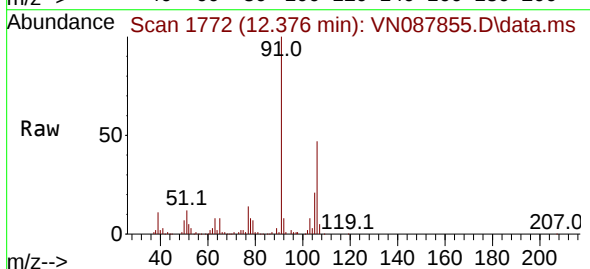
Manual Integrations
APPROVED

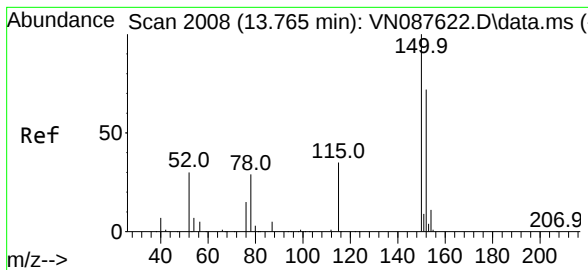
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#69
o-Xylene
Concen: 11.698 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

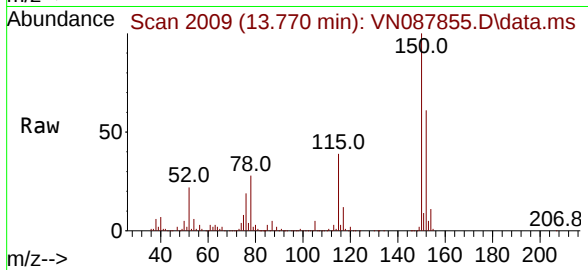
Tgt Ion:106 Resp: 81311
Ion Ratio Lower Upper
106 100
91 216.9 111.4 334.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2008
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

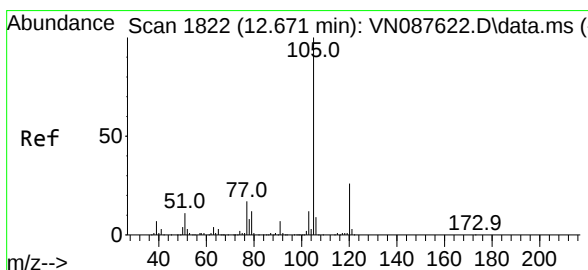
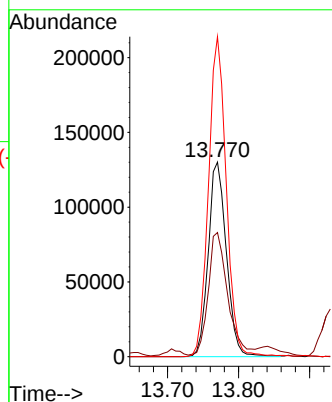
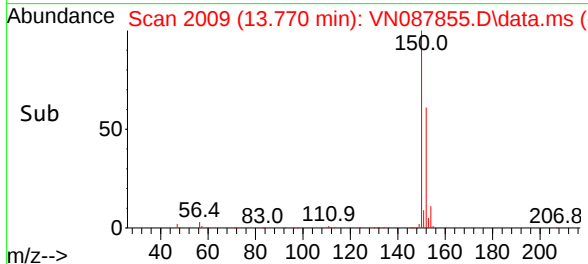
Instrument :
MSVOA_N
ClientSampleId :
MW1



Tgt Ion:152 Resp: 23141
Ion Ratio Lower Upper
152 100
115 67.3 32.3 96.8
150 161.5 0.0 351.0

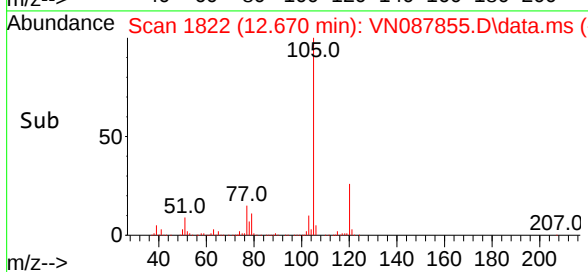
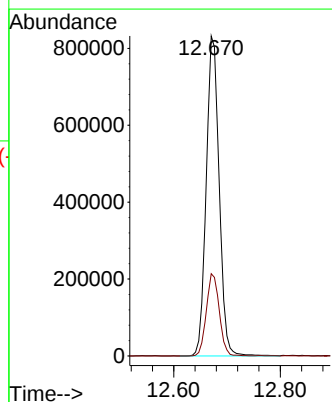
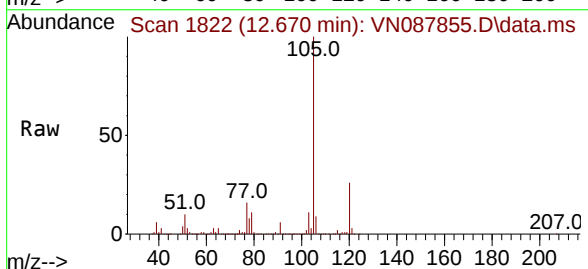
Manual Integrations
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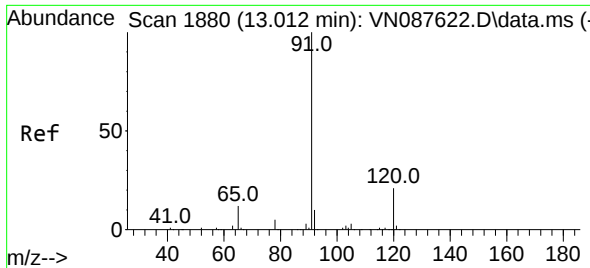
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#73
Isopropylbenzene
Concen: 75.009 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

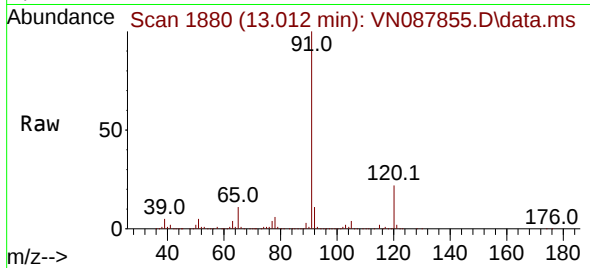
Tgt Ion:105 Resp: 1402638
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.3





#78
n-propylbenzene
Concen: 222.613 ug/l
RT: 13.012 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

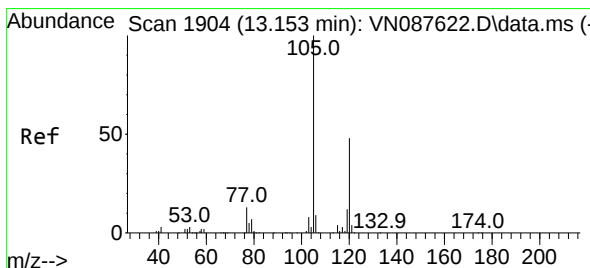
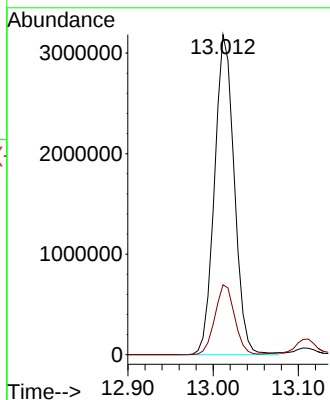
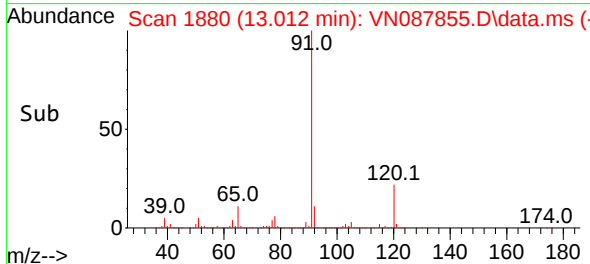
Instrument :
MSVOA_N
ClientSampleId :
MW1



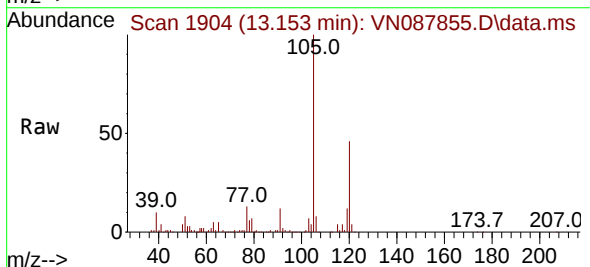
Tgt Ion: 91 Resp: 5127514
Ion Ratio Lower Upper
91 100
120 21.9 10.7 32.1

Manual Integrations
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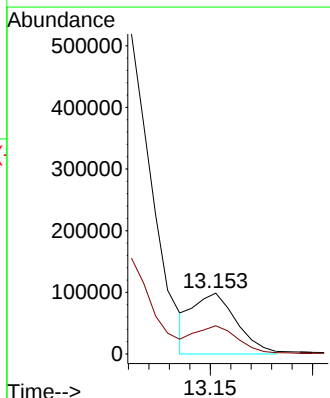
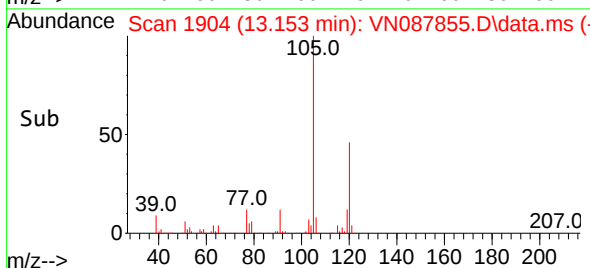
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

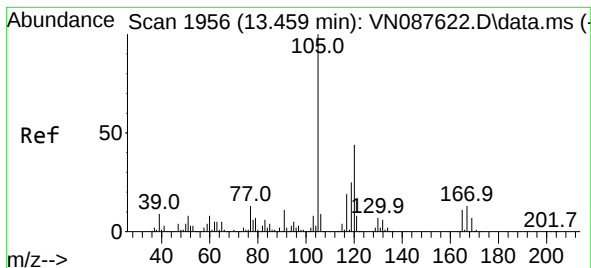


#80
1,3,5-Trimethylbenzene
Concen: 9.313 ug/l m
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11



Tgt Ion:105 Resp: 147731
Ion Ratio Lower Upper
105 100
120 0.0 23.2 69.6#





#84

1,2,4-Trimethylbenzene

Concen: 790.823 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN087855.D

Acq: 16 Sep 2025 17:11

Instrument :

MSVOA_N

ClientSampleId :

MW1

Tgt Ion:105 Resp:1255828

Ion Ratio Lower Upper

105 100

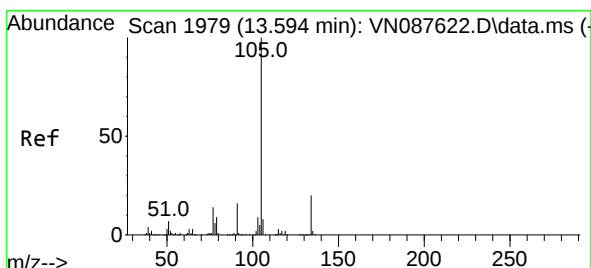
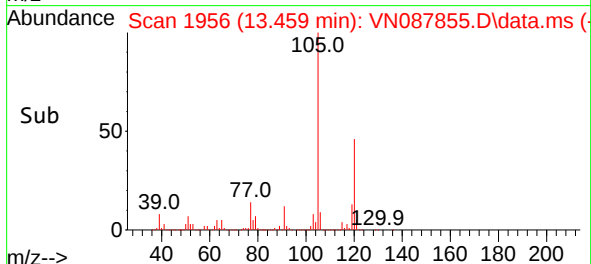
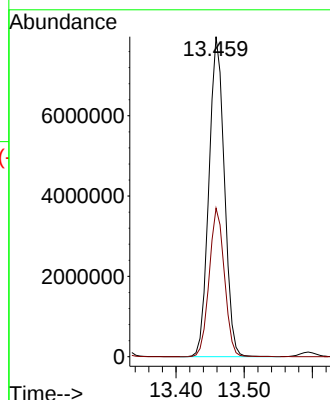
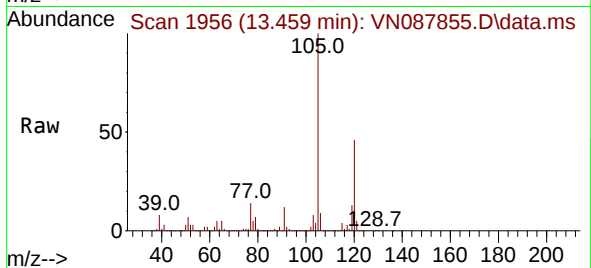
120 45.7 22.0 66.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/19/2025



#85

sec-Butylbenzene

Concen: 9.958 ug/l m

RT: 13.594 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VN087855.D

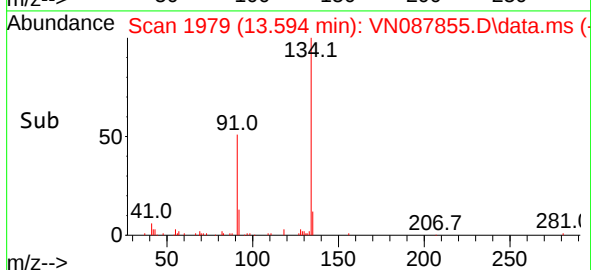
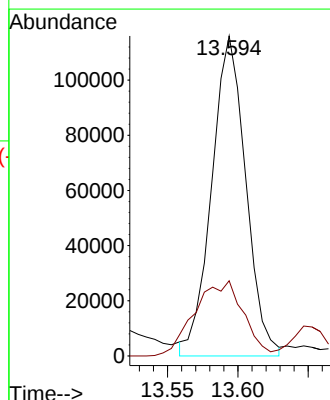
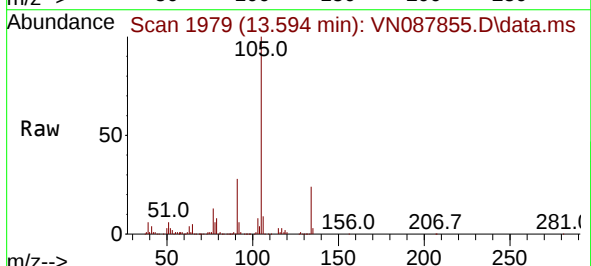
Acq: 16 Sep 2025 17:11

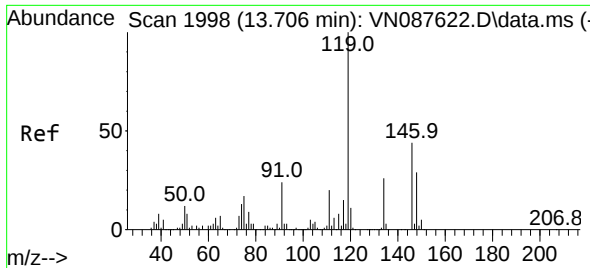
Tgt Ion:105 Resp: 195343

Ion Ratio Lower Upper

105 100

134 0.0 9.6 28.6#





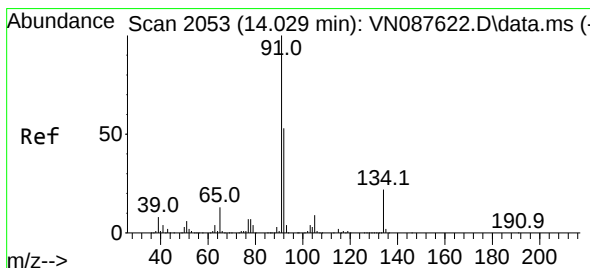
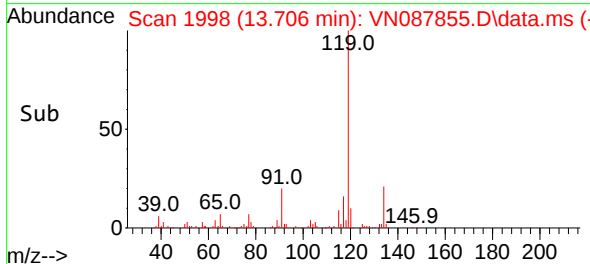
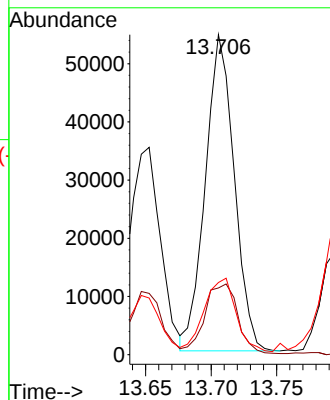
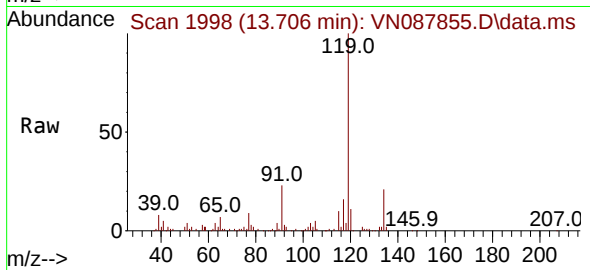
#86
p-Isopropyltoluene
Concen: 5.144 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Instrument : MSVOA_N
ClientSampleId : MW1

Tgt Ion: 119 Resp: 83334
Ion Ratio Lower Upper
119 100
134 25.2 12.7 38.0
91 0.0 12.5 37.5

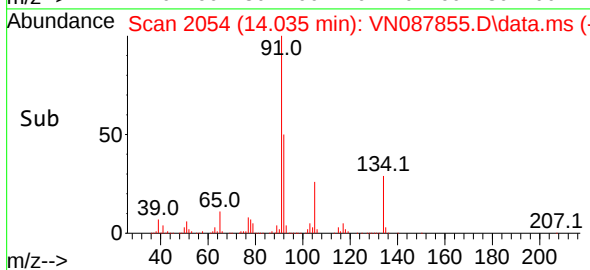
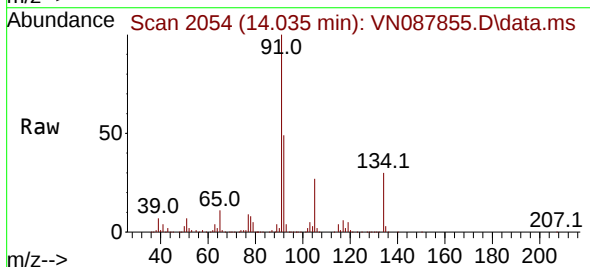
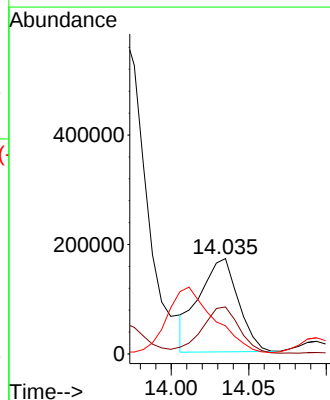
Manual Integrations
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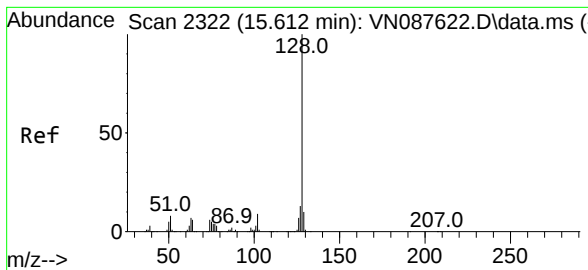
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#89
n-Butylbenzene
Concen: 18.653 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

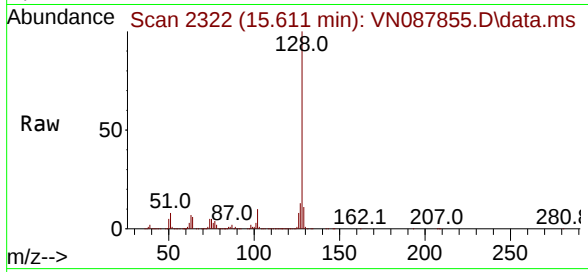
Tgt Ion: 91 Resp: 300086
Ion Ratio Lower Upper
91 100
92 47.4 25.9 77.8
134 0.0 11.7 35.0





#95
Naphthalene
Concen: 576.249 ug/l
RT: 15.611 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Instrument :
MSVOA_N
ClientSampleId :
MW1



Tgt Ion:128 Resp:1009609
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.9 8.6 12.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

