

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087213.D
 Acq On : 27 Jun 2025 12:08
 Operator : JC\MD
 Sample : Q2401-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

Quant Time: Jun 27 23:42:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	141577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	317471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121650	59.708	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	119.420%		
35) Dibromofluoromethane	8.171	113	88312	43.027	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.060%		
50) Toluene-d8	10.565	98	373564	44.006	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.020%		
62) 4-Bromofluorobenzene	12.847	95	127776	43.379	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.760%		
Target Compounds					Qvalue	
31) Cyclohexane	8.259	56	28964	9.182	ug/l	91
39) Methylcyclohexane	9.600	83	25399	6.924	ug/l	92
40) Benzene	8.612	78	7802	0.840	ug/l	95
52) Toluene	10.629	92	5788	0.975	ug/l	93
67) Ethyl Benzene	11.959	91	11235	1.197	ug/l	99
68) m/p-Xylenes	12.076	106	5672	1.579	ug/l	90
69) o-Xylene	12.394	106	4722	1.446	ug/l	90
73) Isopropylbenzene	12.694	105	72069	8.720	ug/l	100
78) n-propylbenzene	13.035	91	307113	30.170	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	210383	30.835	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	837189	120.926	ug/l	99
85) sec-Butylbenzene	13.612	105	32879	3.808	ug/l #	55
86) p-Isopropyltoluene	13.723	119	10647	1.503	ug/l	93
89) n-Butylbenzene	14.053	91	37604m	5.715	ug/l	
95) Naphthalene	15.635	128	19735	2.455	ug/l	98

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

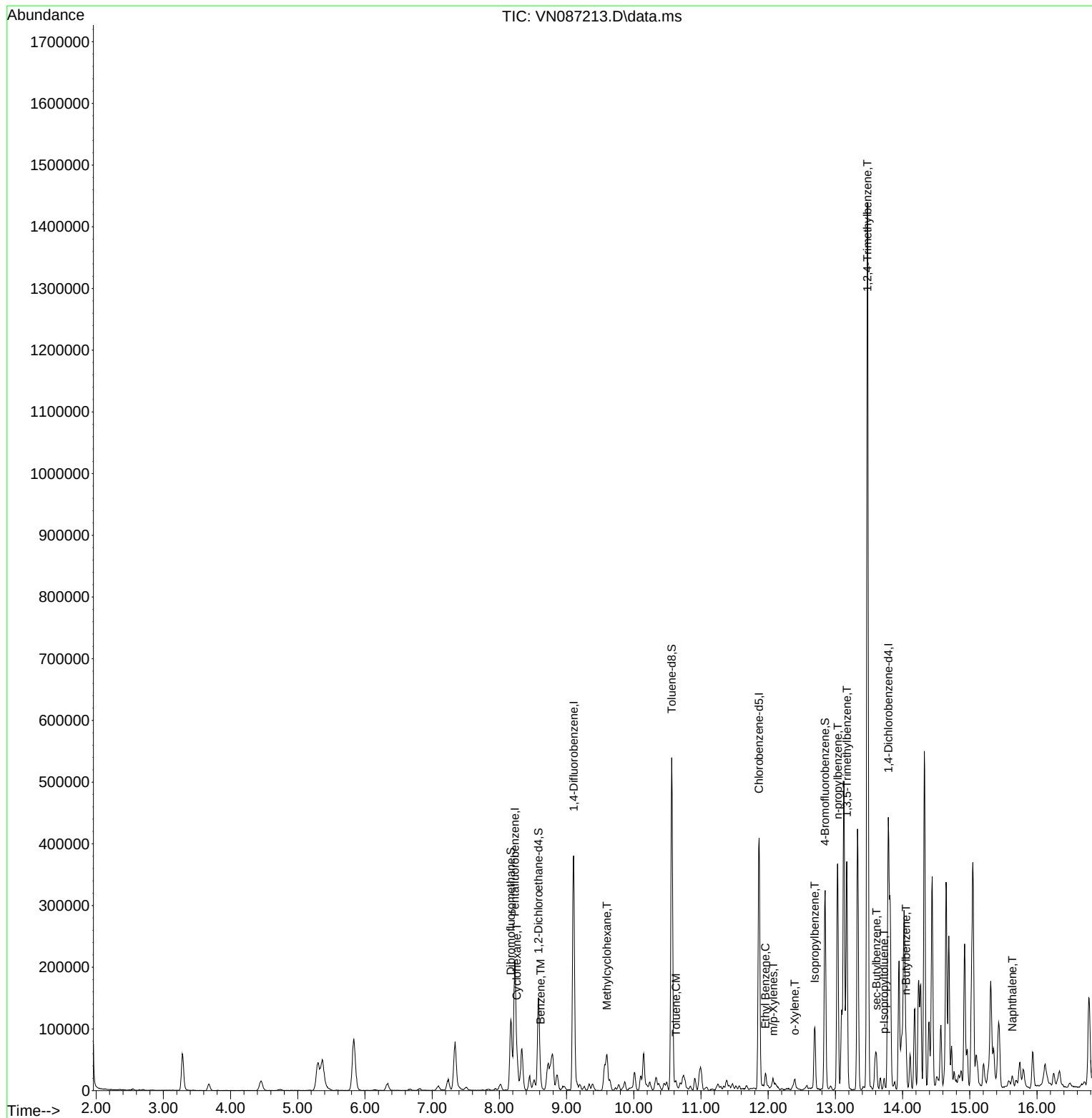
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
Data File : VN087213.D
Acq On : 27 Jun 2025 12:08
Operator : JC\MD
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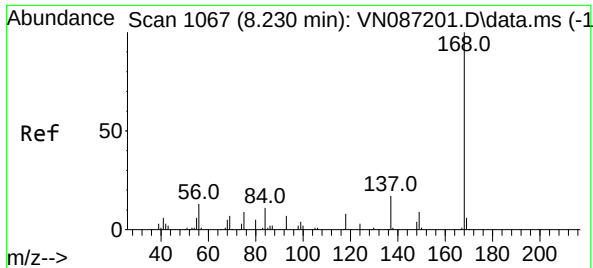
Instrument :
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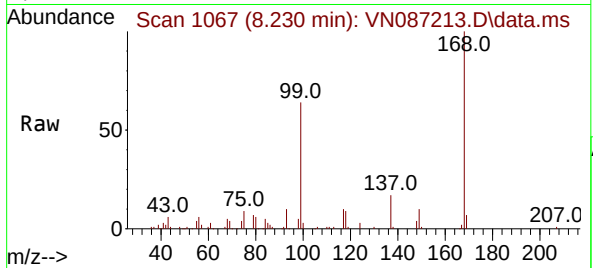
Quant Time: Jun 27 23:42:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 27 05:55:21 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

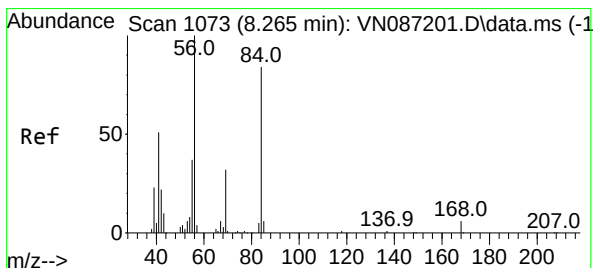
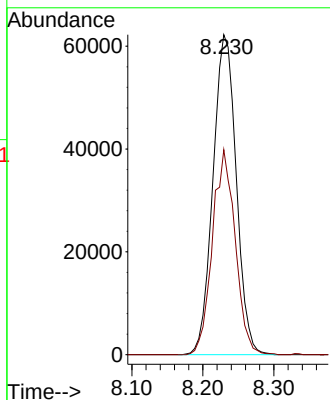
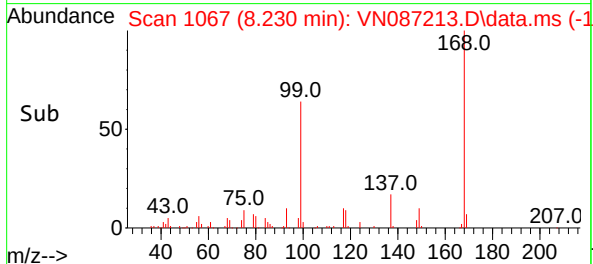
Instrument :
MSVOA_N
ClientSampleId :
MW2



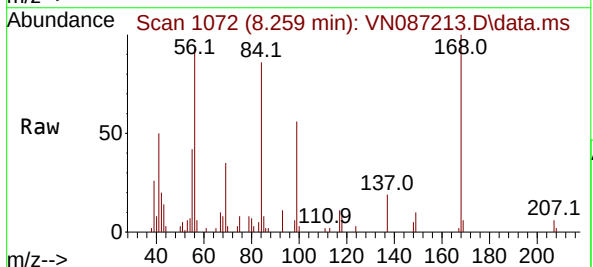
Tgt Ion:168 Resp: 14157
Ion Ratio Lower Upper
168 100
99 64.1 47.9 71.9

Manual Integrations
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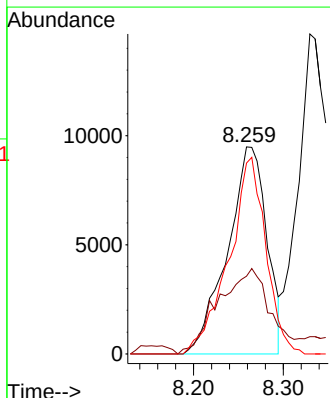
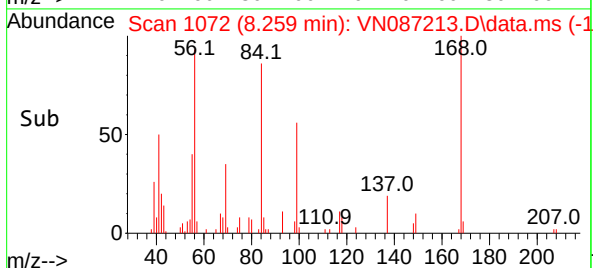
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

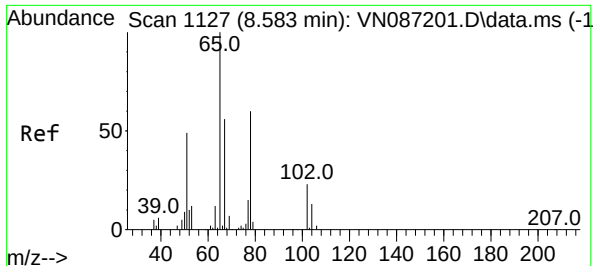


#31
Cyclohexane
Concen: 9.182 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08



Tgt Ion: 56 Resp: 28964
Ion Ratio Lower Upper
56 100
69 37.6 25.3 37.9
84 92.2 67.4 101.0





#33

1,2-Dichloroethane-d4

Concen: 59.708 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087213.D

Acq: 27 Jun 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

MW2

Tgt Ion: 65 Resp: 121650

Ion Ratio Lower Upper

65 100

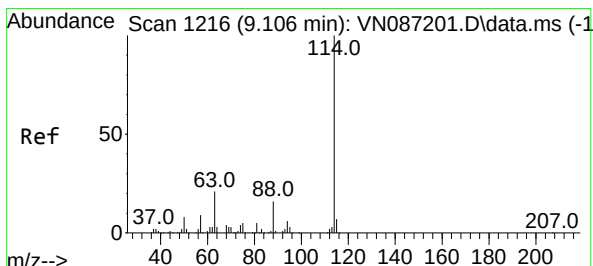
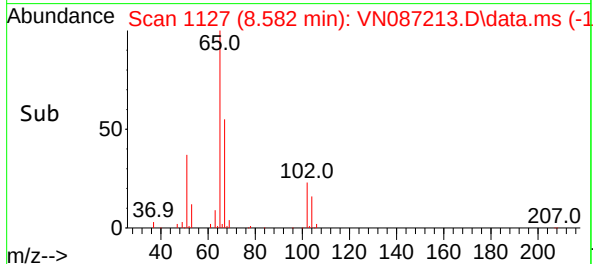
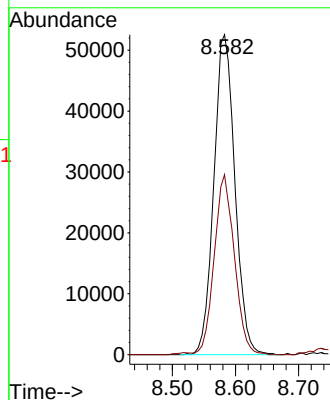
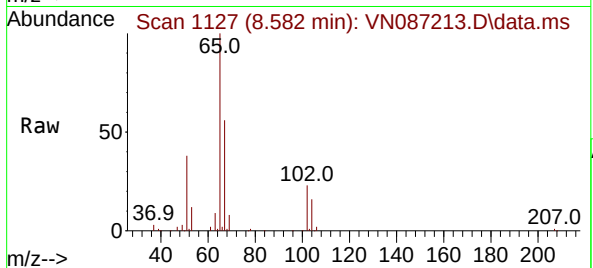
67 53.9 0.0 108.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087213.D

Acq: 27 Jun 2025 12:08

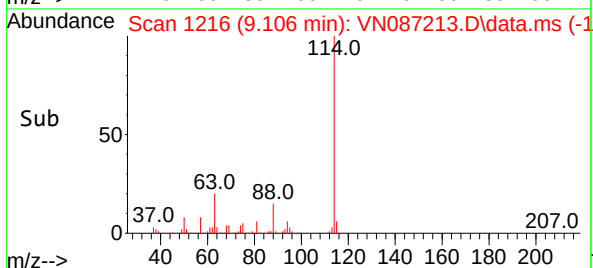
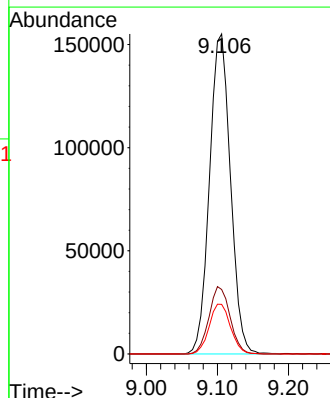
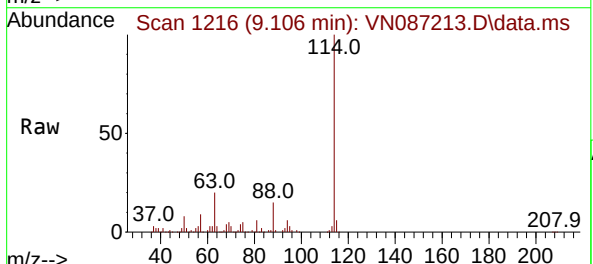
Tgt Ion:114 Resp: 317471

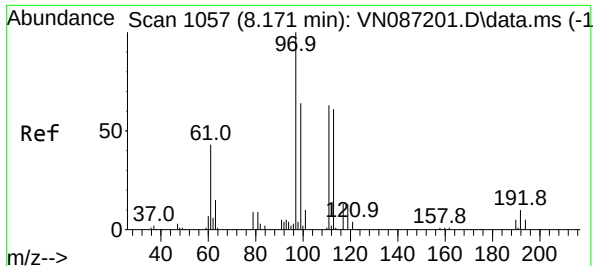
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.0

88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 43.027 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087213.D

Acq: 27 Jun 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

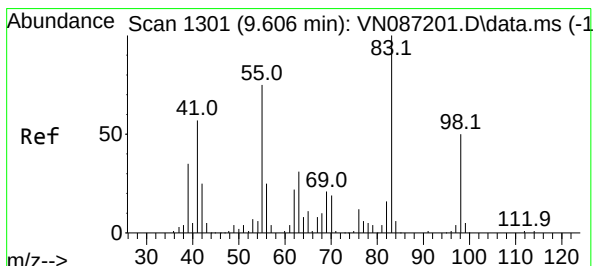
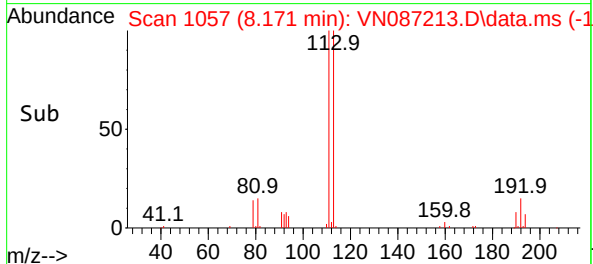
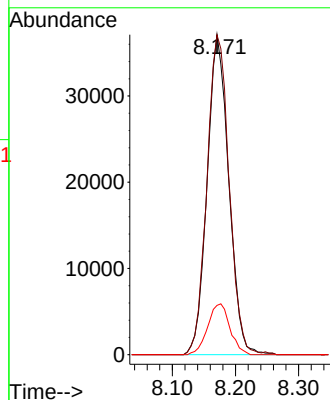
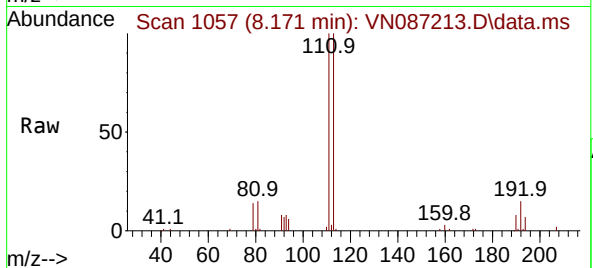
MW2

Tgt Ion:	113	Resp:	8831
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.6	124.0
192	16.3	13.5	20.3

Manual Integrations

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#39

Methylcyclohexane

Concen: 6.924 ug/l

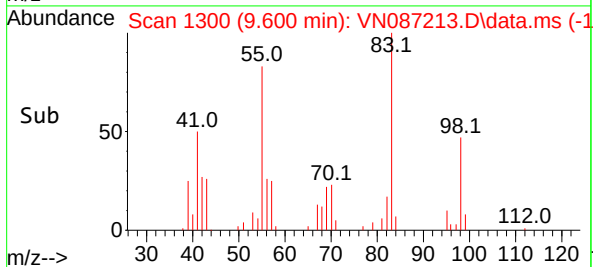
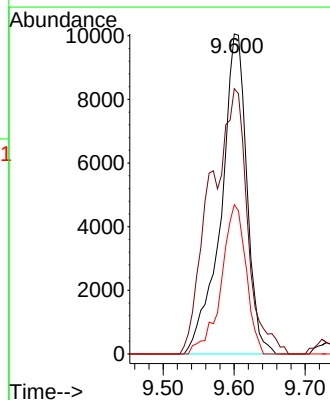
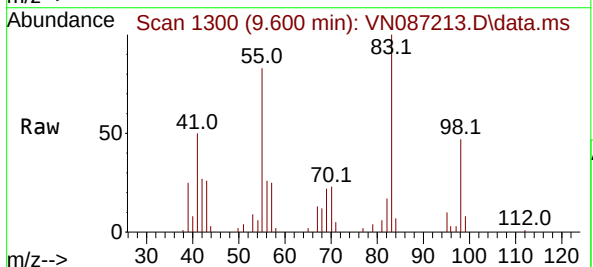
RT: 9.600 min Scan# 1300

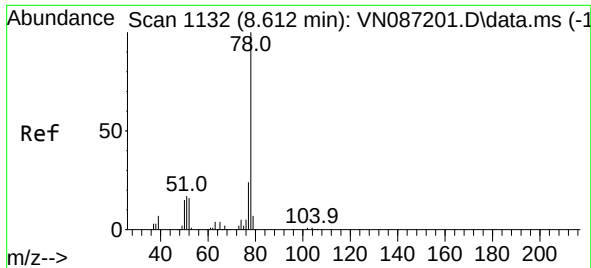
Delta R.T. -0.006 min

Lab File: VN087213.D

Acq: 27 Jun 2025 12:08

Tgt Ion:	83	Resp:	25399
Ion Ratio	Lower	Upper	
83	100		
55	82.9	59.8	89.8
98	46.6	39.8	59.8





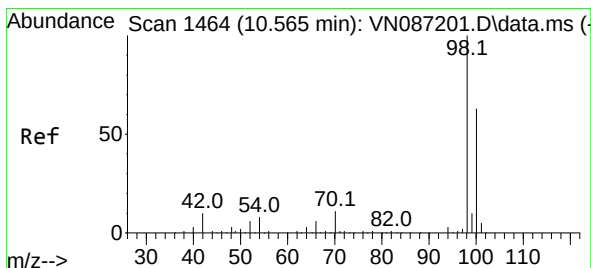
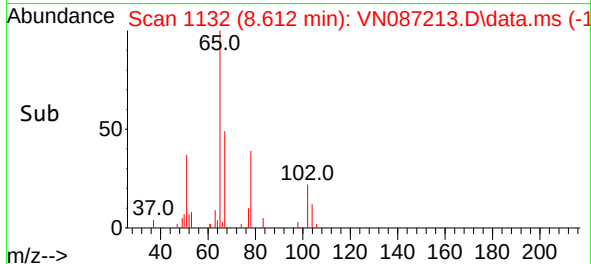
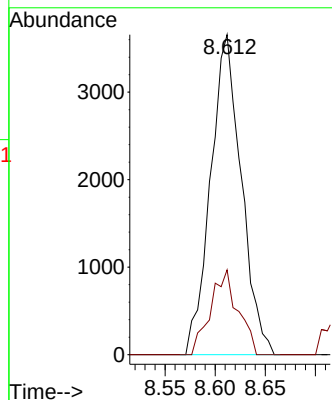
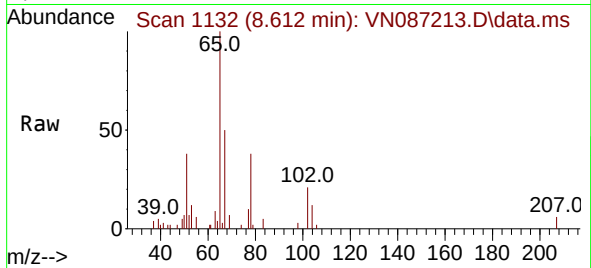
#40
Benzene
Concen: 0.840 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 78 Resp: 780
Ion Ratio Lower Upper
78 100
77 26.5 19.0 28.6

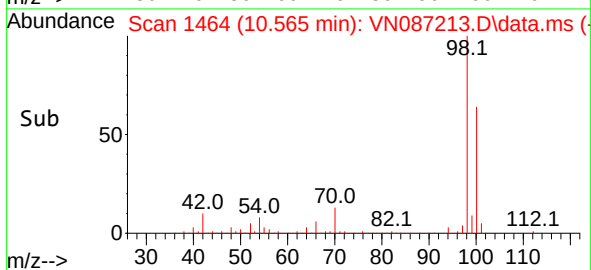
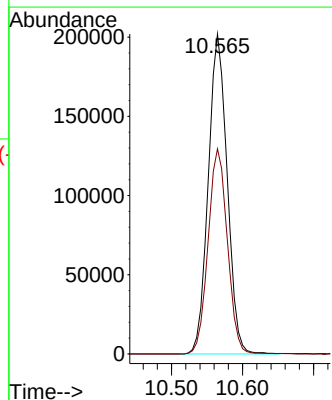
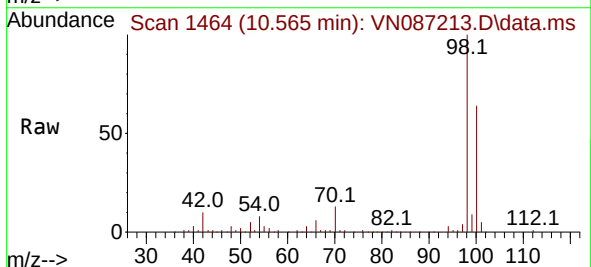
Manual Integrations
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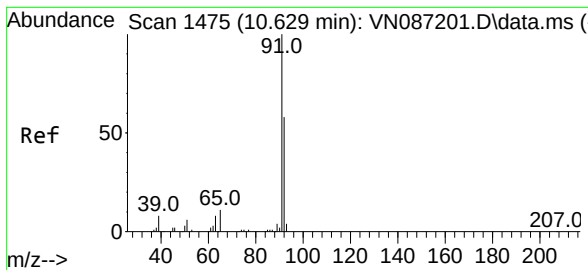
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#50
Toluene-d8
Concen: 44.006 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

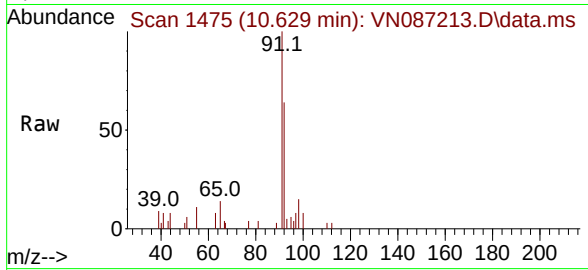
Tgt Ion: 98 Resp: 373564
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1





#52
Toluene
Concen: 0.975 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

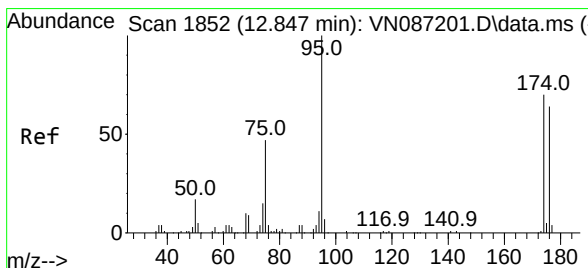
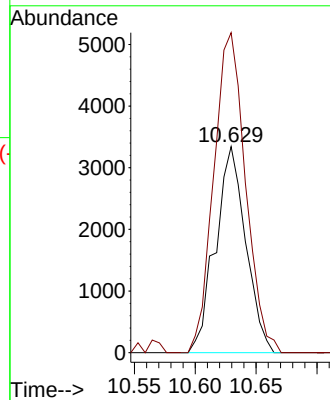
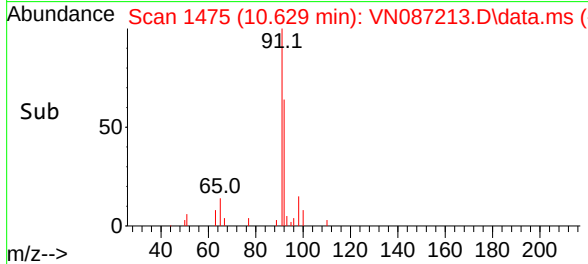
Instrument :
MSVOA_N
ClientSampleId :
MW2



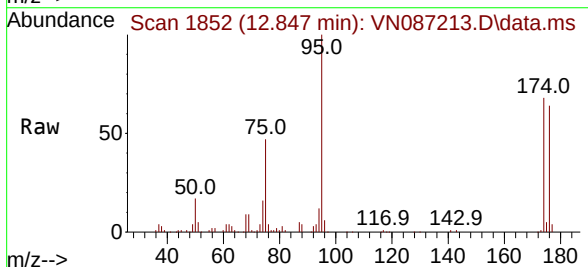
Tgt Ion: 92 Resp: 5788
Ion Ratio Lower Upper
92 100
91 162.8 138.2 207.2

Manual Integrations
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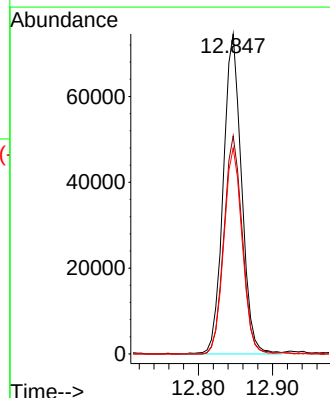
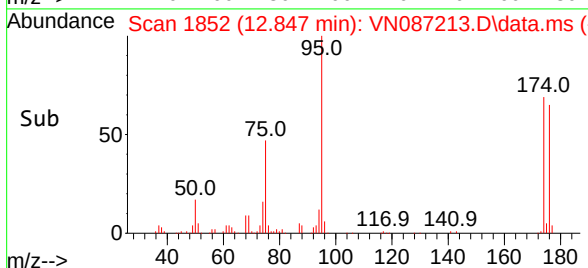
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

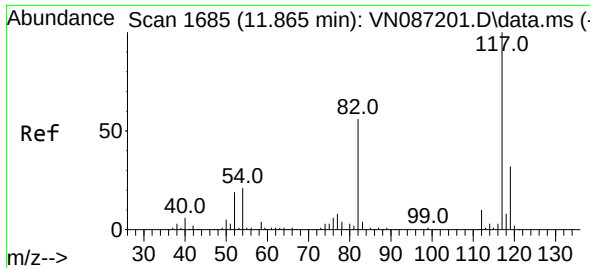


#62
4-Bromofluorobenzene
Concen: 43.379 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08



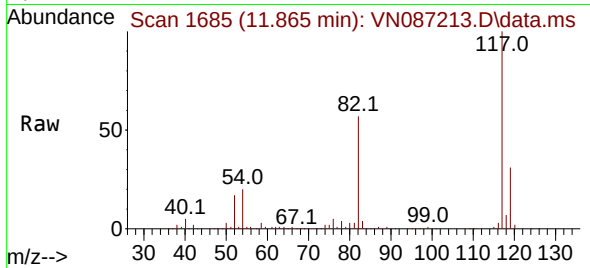
Tgt Ion: 95 Resp: 127776
Ion Ratio Lower Upper
95 100
174 68.2 0.0 142.2
176 64.8 0.0 134.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

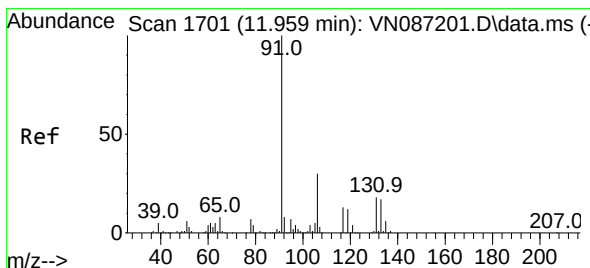
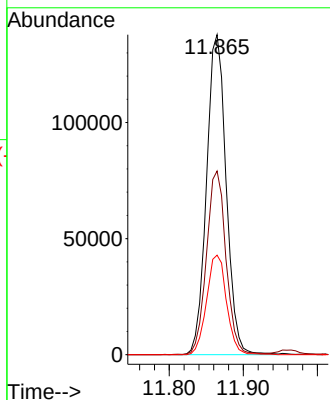
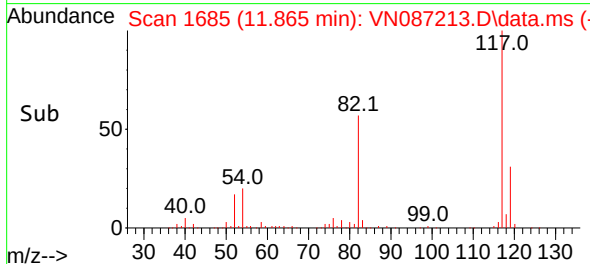
Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion: 117 Resp: 253799
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 31.1 25.9 38.9

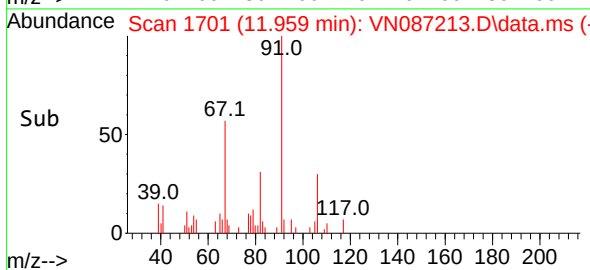
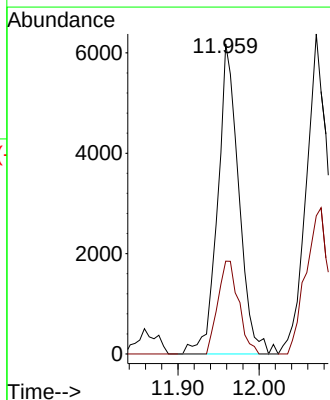
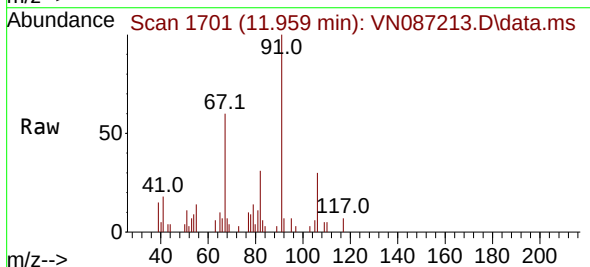
Manual Integrations
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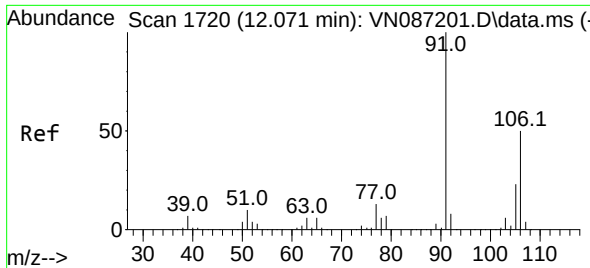
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#67
Ethyl Benzene
Concen: 1.197 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

Tgt Ion: 91 Resp: 11235
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.2





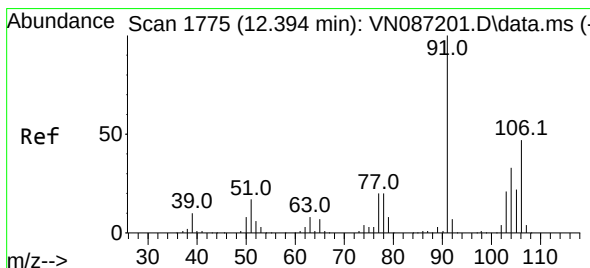
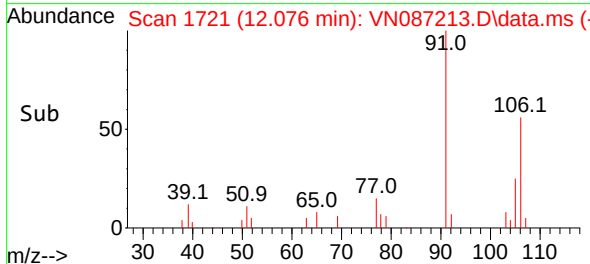
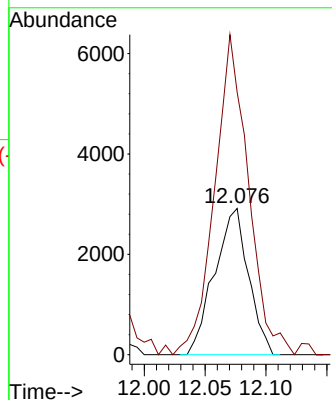
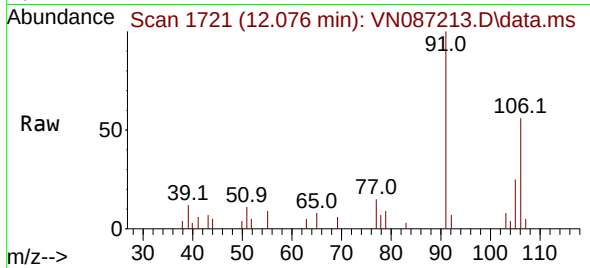
#68
m/p-Xylenes
Concen: 1.579 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion:106 Resp: 5672
Ion Ratio Lower Upper
106 100
91 216.4 161.0 241.6

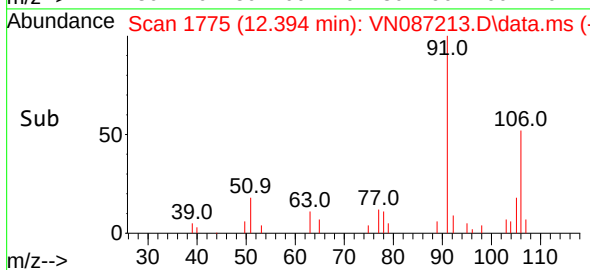
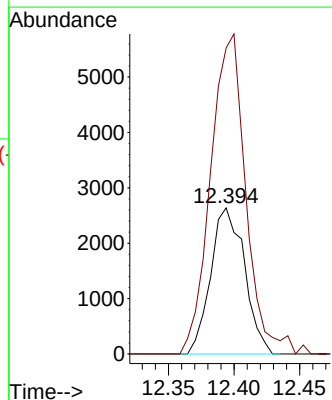
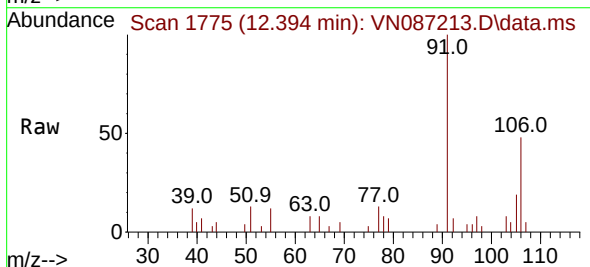
Manual Integrations
APPROVED

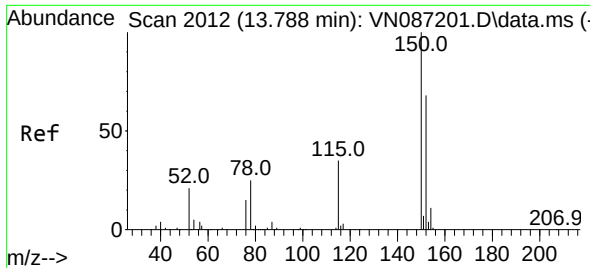
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#69
o-Xylene
Concen: 1.446 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

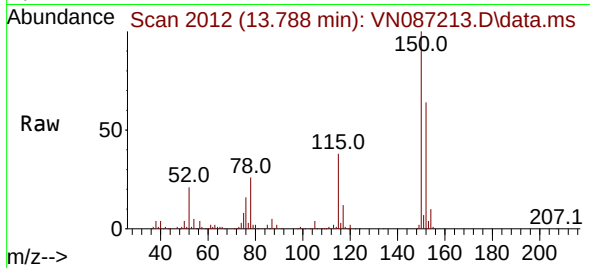
Tgt Ion:106 Resp: 4722
Ion Ratio Lower Upper
106 100
91 229.1 106.7 320.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

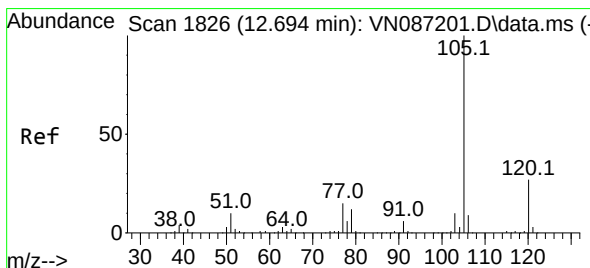
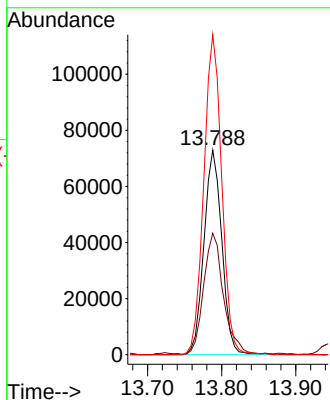
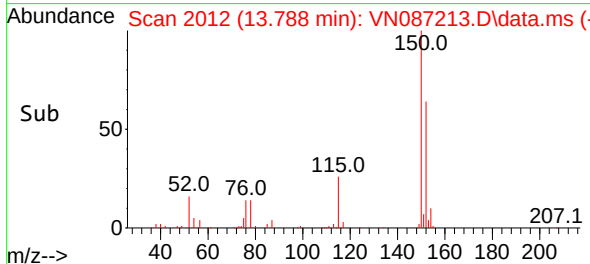
Instrument :
MSVOA_N
ClientSampleId :
MW2



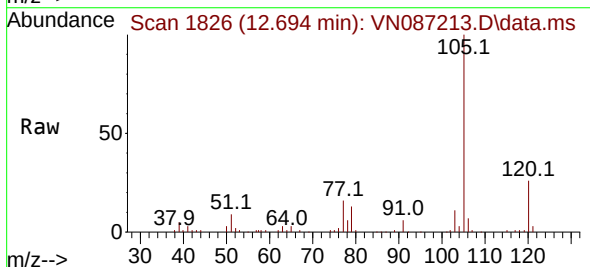
Tgt Ion:152 Resp: 122080
Ion Ratio Lower Upper
152 100
115 65.2 30.6 91.8
150 157.0 0.0 347.8

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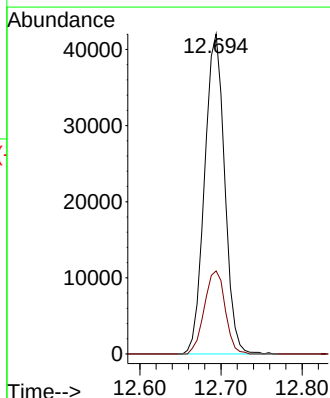
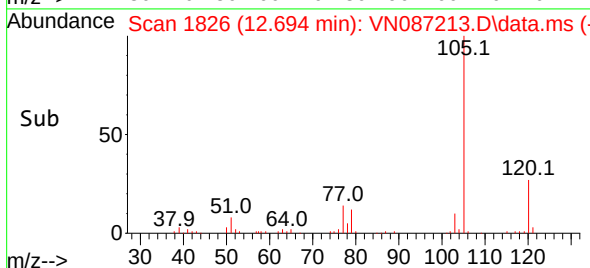
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

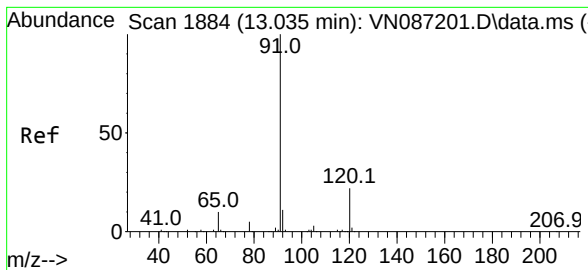


#73
Isopropylbenzene
Concen: 8.720 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08



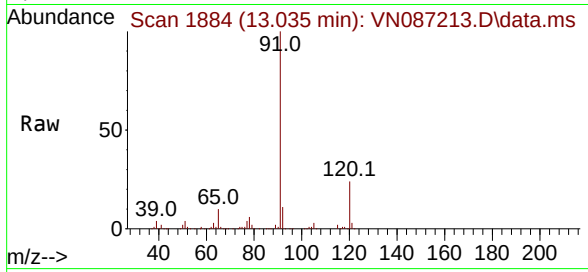
Tgt Ion:105 Resp: 72069
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2





#78
n-propylbenzene
Concen: 30.170 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

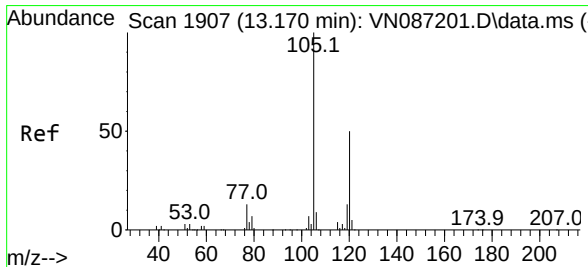
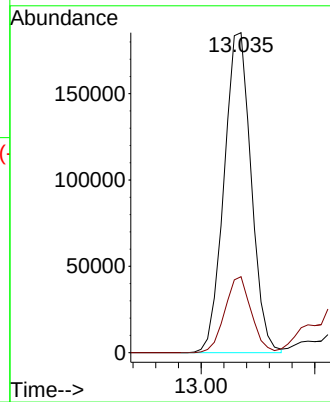
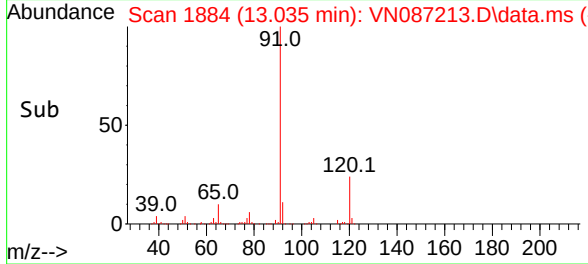
Instrument : MSVOA_N
ClientSampleId : MW2



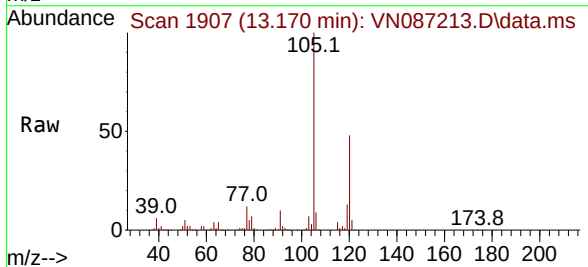
Tgt Ion: 91 Resp: 30711
Ion Ratio Lower Upper
91 100
120 23.1 11.5 34.4

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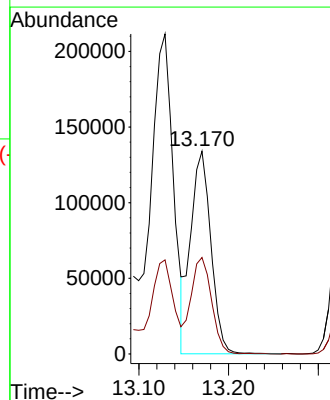
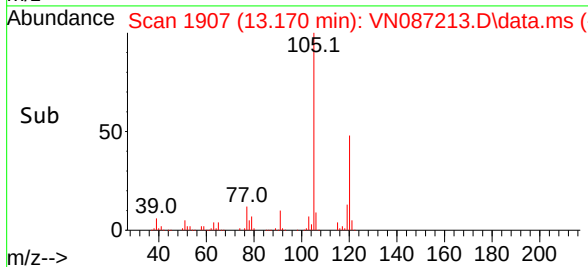
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

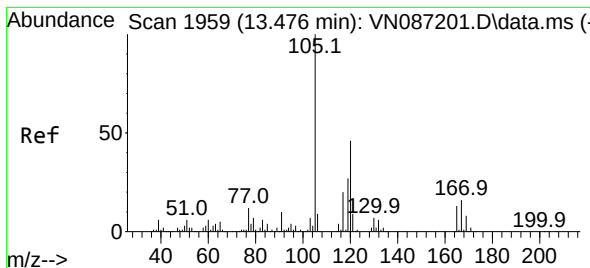


#80
1,3,5-Trimethylbenzene
Concen: 30.835 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08



Tgt Ion:105 Resp: 210383
Ion Ratio Lower Upper
105 100
120 48.8 25.1 75.3





#84

1,2,4-Trimethylbenzene

Concen: 120.926 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN087213.D

Acq: 27 Jun 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

MW2

Tgt Ion:105 Resp: 837189

Ion Ratio Lower Upper

105 100

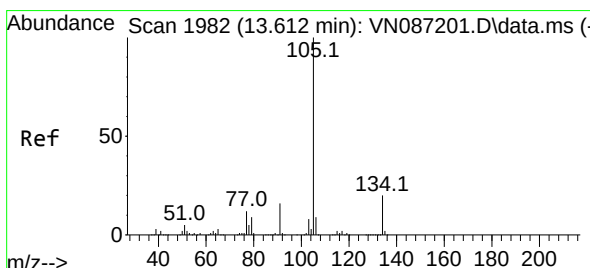
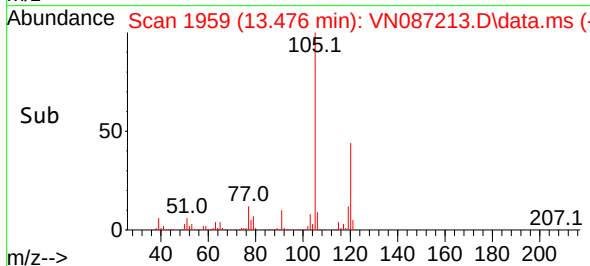
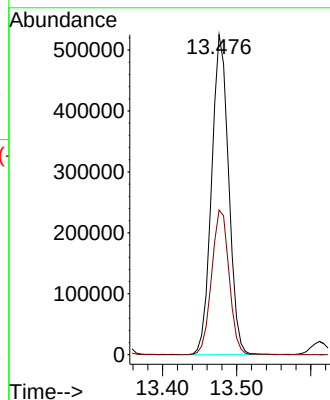
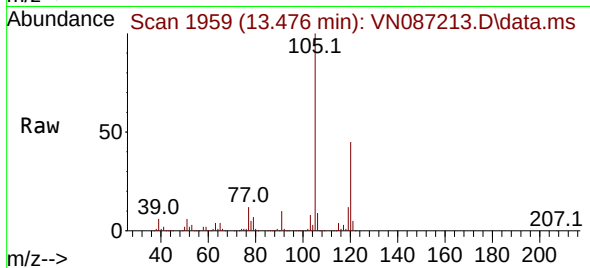
120 46.5 22.9 68.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025

Supervised By :Semsettin Yesilyurt 06/30/2025



#85

sec-Butylbenzene

Concen: 3.808 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN087213.D

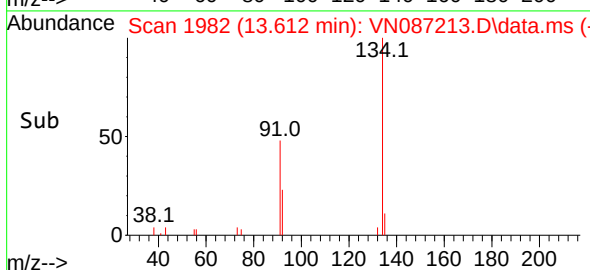
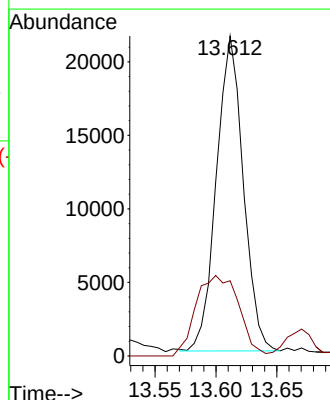
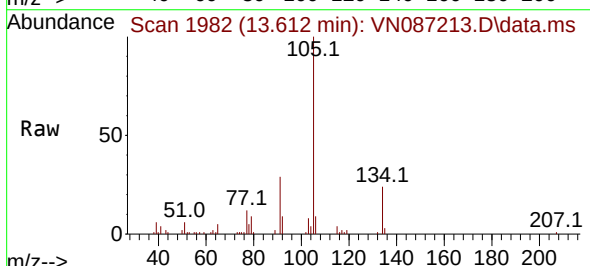
Acq: 27 Jun 2025 12:08

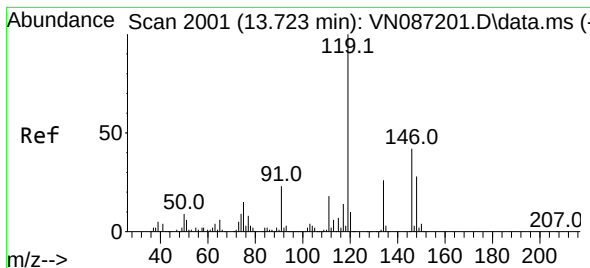
Tgt Ion:105 Resp: 32879

Ion Ratio Lower Upper

105 100

134 40.6 9.9 29.7#





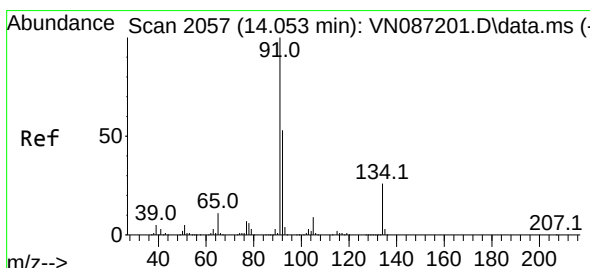
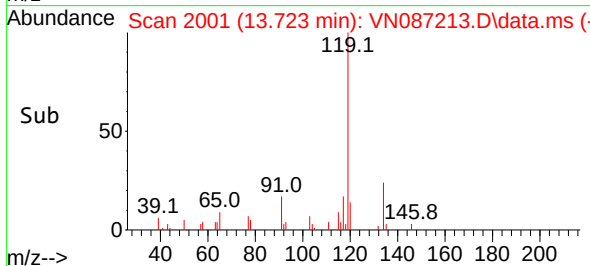
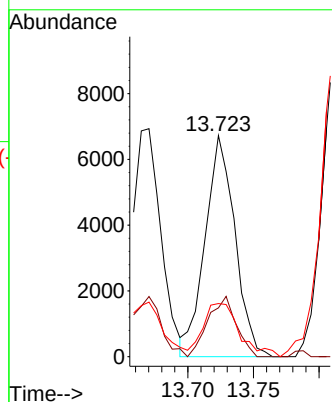
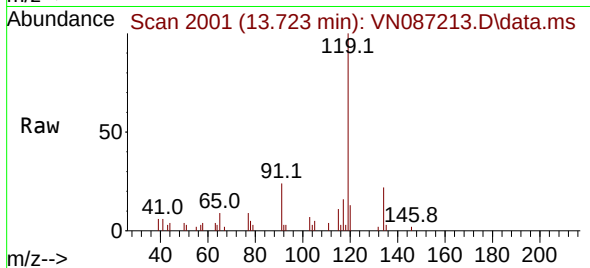
#86
p-Isopropyltoluene
Concen: 1.503 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion:119 Resp: 1064
Ion Ratio Lower Upper
119 100
134 25.7 13.4 40.1
91 29.1 11.5 34.4

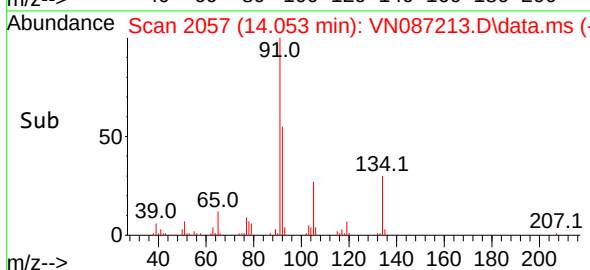
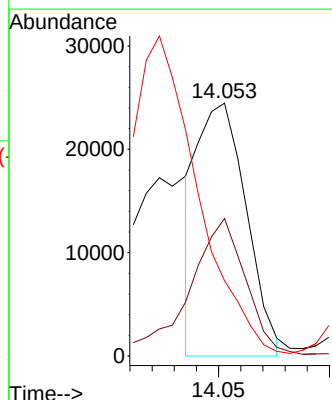
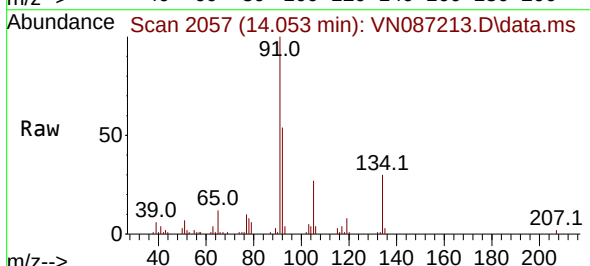
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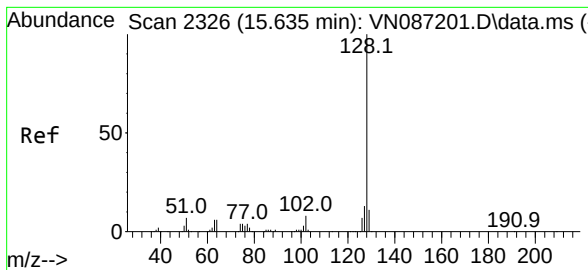
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#89
n-Butylbenzene
Concen: 5.715 ug/l m
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

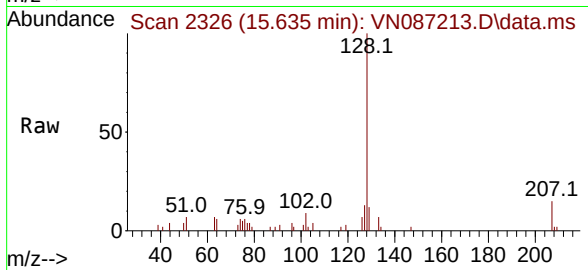
Tgt Ion: 91 Resp: 37604
Ion Ratio Lower Upper
91 100
92 61.6 26.9 80.7
134 0.0 12.8 38.4#





#95
Naphthalene
Concen: 2.455 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087213.D
Acq: 27 Jun 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion:128 Resp: 19735

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	10.4	8.6	13.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

