

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
 Data File : VN088154.D
 Acq On : 29 Oct 2025 13:03
 Operator : JC\MD
 Sample : Q3468-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-06

Quant Time: Oct 30 04:05:07 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 :Semsettin Yesilyurt 10/30/2025
 Supervised By :Mahesh Dadoda 11/03/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	239807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	555035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	540568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	270083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	249897	60.263	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.520%			
35) Dibromofluoromethane	8.153	113	182386	48.913	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.820%			
50) Toluene-d8	10.547	98	674436	46.942	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.880%			
62) 4-Bromofluorobenzene	12.829	95	278818	54.950	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.900%			
Target Compounds					Qvalue	
27) cis-1,2-Dichloroethene	7.477	96	1363	0.358	ug/l	60
31) Cyclohexane	8.206	56	24066m	4.146	ug/l	
39) Methylcyclohexane	9.577	83	27550	3.937	ug/l #	85
40) Benzene	8.588	78	105170	6.343	ug/l	99
52) Toluene	10.618	92	11927	1.167	ug/l	98
67) Ethyl Benzene	11.941	91	104057	4.830	ug/l	97
68) m/p-Xylenes	12.059	106	39145	4.849	ug/l	96
69) o-Xylene	12.376	106	28759	3.758	ug/l	96
73) Isopropylbenzene	12.671	105	419665	20.146	ug/l	99
78) n-propylbenzene	13.012	91	1189938	46.810	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	15026m	0.869	ug/l	
83) tert-Butylbenzene	13.412	119	7116	0.460	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	98069	5.666	ug/l	99
85) sec-Butylbenzene	13.594	105	91716	4.039	ug/l #	60
89) n-Butylbenzene	14.035	91	80547	4.464	ug/l #	71
95) Naphthalene	15.611	128	869407	48.479	ug/l	100

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

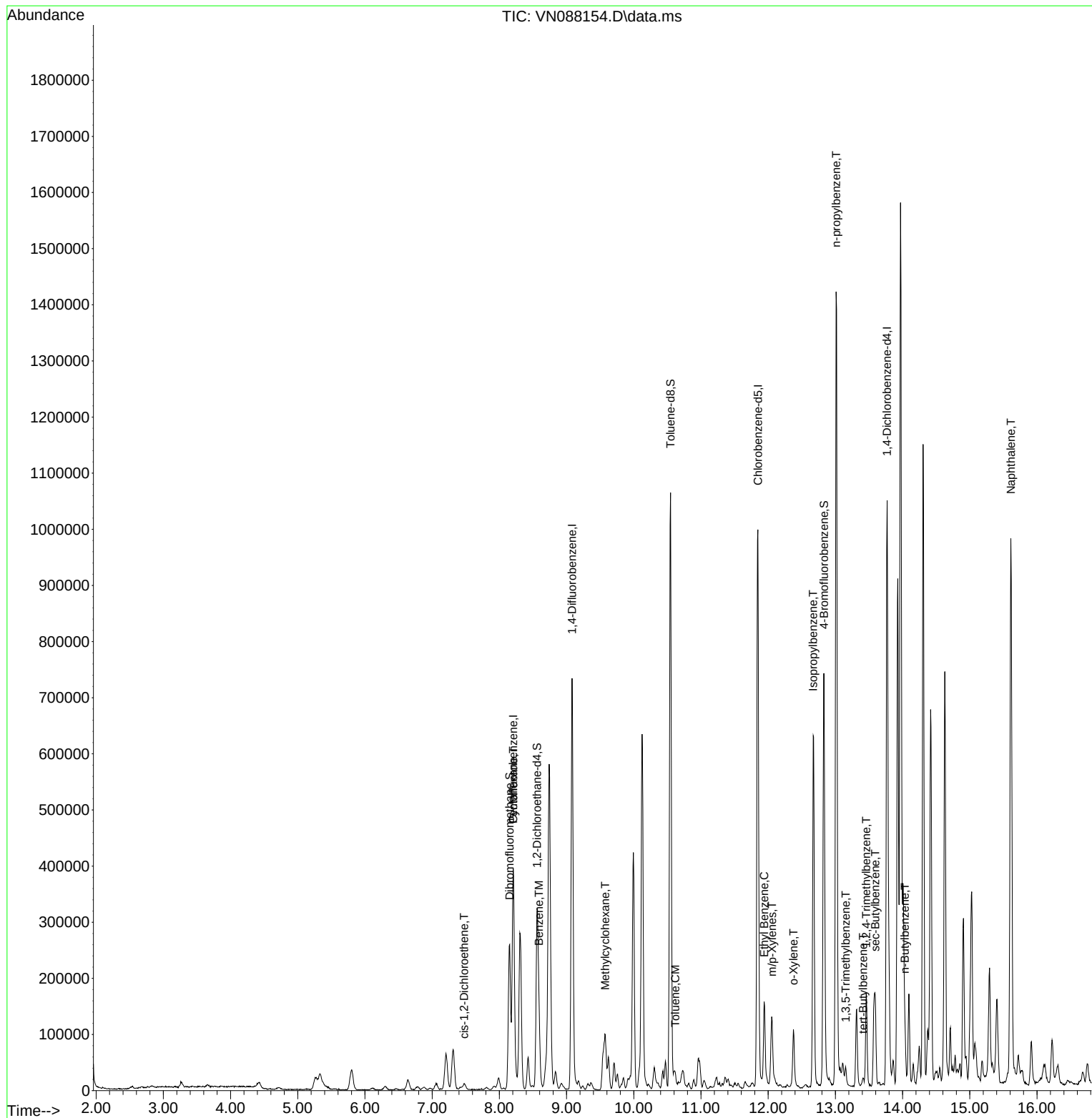
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
Data File : VN088154.D
Acq On : 29 Oct 2025 13:03
Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

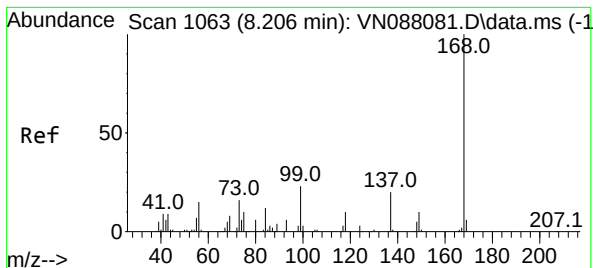
Instrument :
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ClientSampleId :
MW-06

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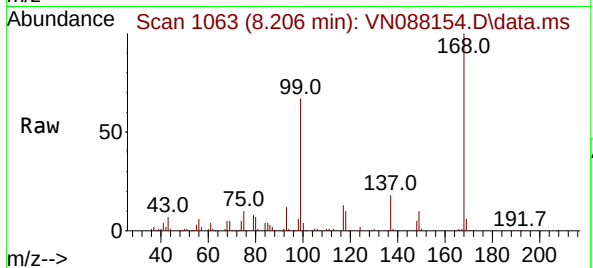
Quant Time: Oct 30 04:05:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

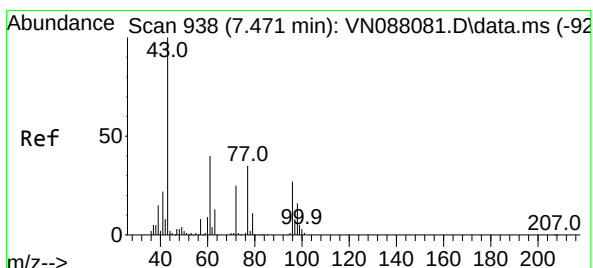
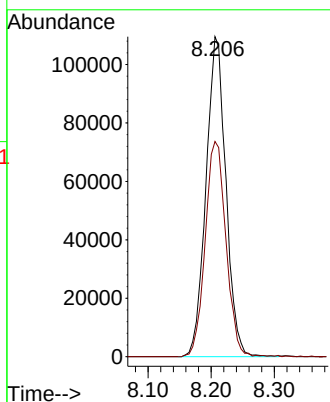
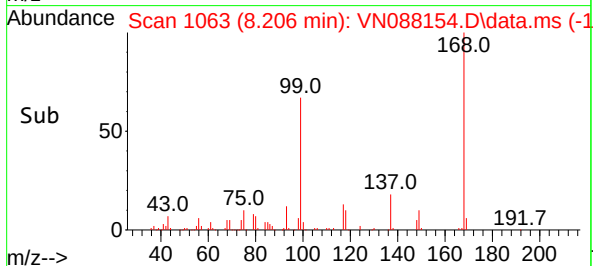
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion:168 Resp: 23980
Ion Ratio Lower Upper
168 100
99 67.3 57.2 85.8

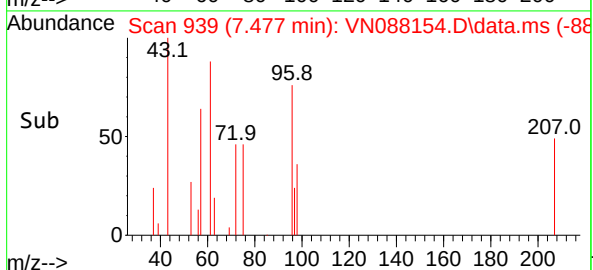
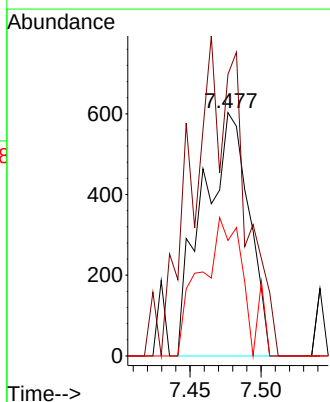
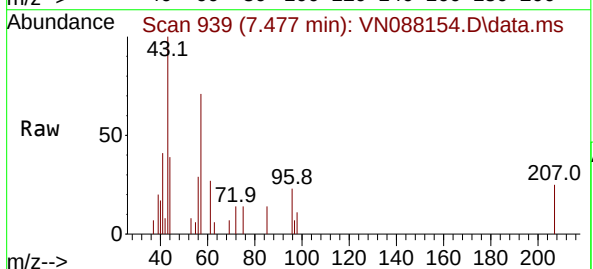
Manual Integrations
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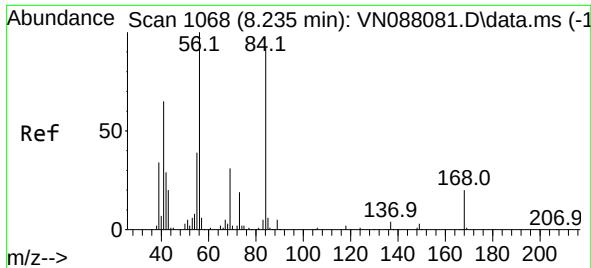
Reviewed By :Semsettin Yesilyurt 10/30/2025
Supervised By :Mahesh Dadoda 11/03/2025



#27
cis-1,2-Dichloroethene
Concen: 0.358 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

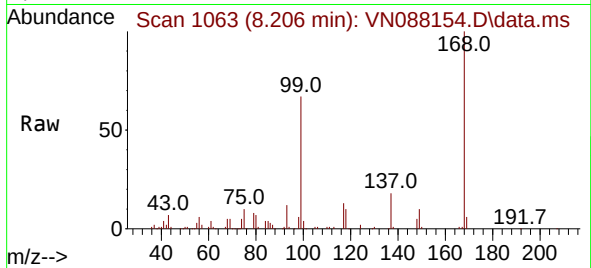
Tgt Ion: 96 Resp: 1363
Ion Ratio Lower Upper
96 100
61 85.5 0.0 301.8
98 54.1 0.0 126.2





#31
Cyclohexane
Concen: 4.146 ug/l m
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

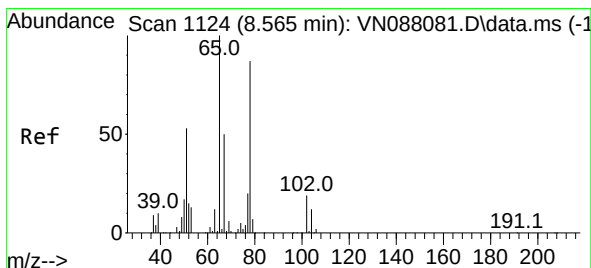
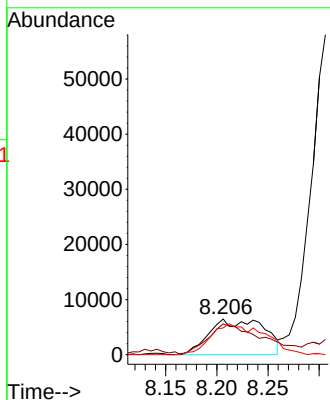
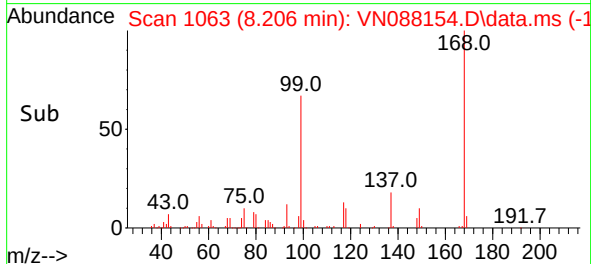
Instrument : MSVOA_N
Client Sample Id : MW-06



Tgt Ion: 56 Resp: 24060
Ion Ratio Lower Upper
56 100
69 86.0 23.7 35.5
84 74.8 64.7 97.1

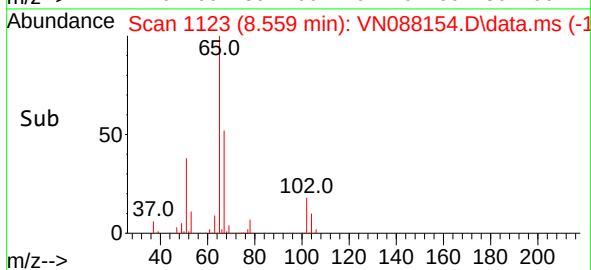
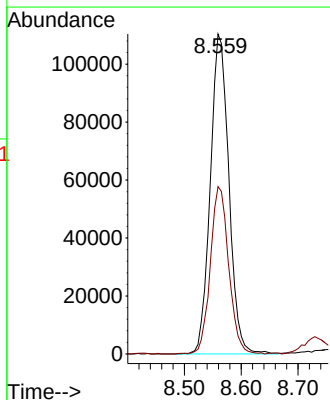
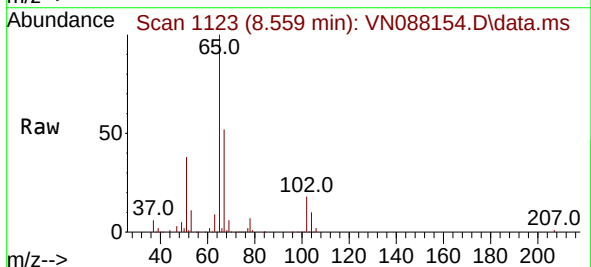
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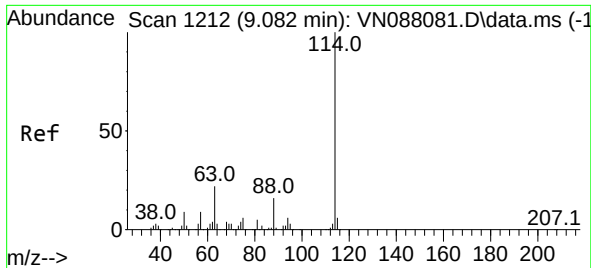
Reviewed By :Semsettin Yesilyurt 10/30/2025
Supervised By :Mahesh Dadoda 11/03/2025



#33
1,2-Dichloroethane-d4
Concen: 60.263 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

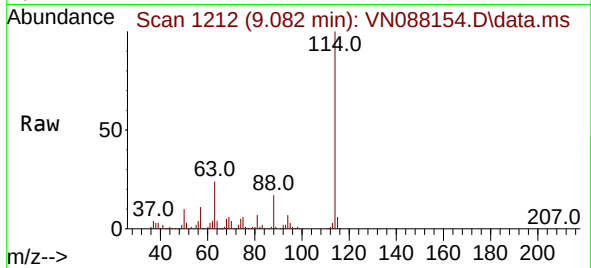
Tgt Ion: 65 Resp: 249897
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

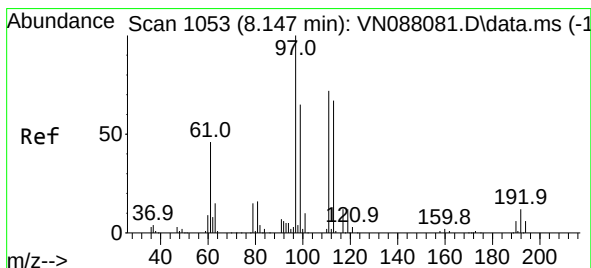
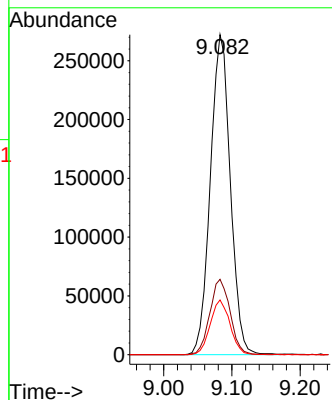
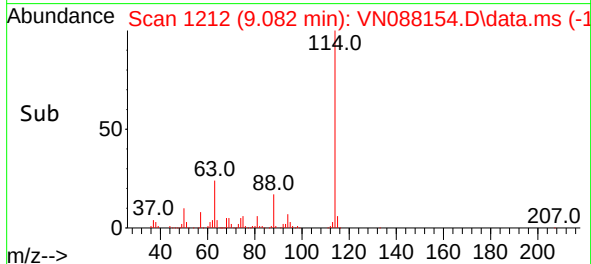
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion:114 Resp: 55503
Ion Ratio Lower Upper
114 100
63 23.6 0.0 45.2
88 17.1 0.0 33.4

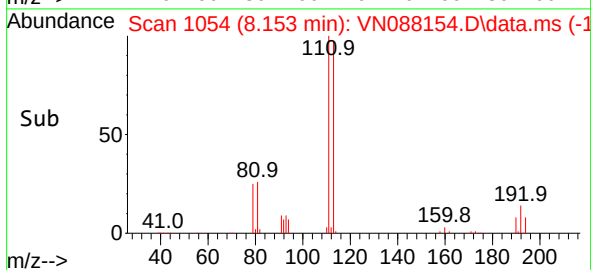
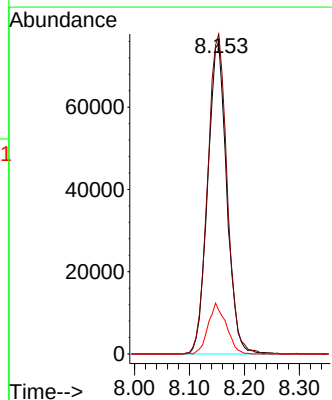
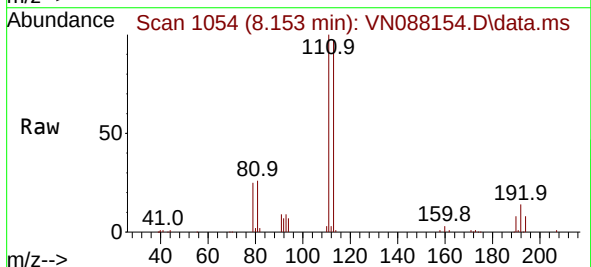
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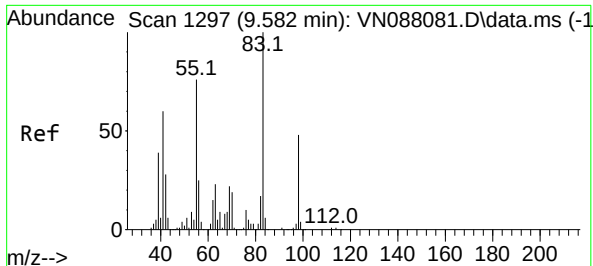
Reviewed By :Semsettin Yesilyurt 10/30/2025
Supervised By :Mahesh Dadoda 11/03/2025



#35
Dibromofluoromethane
Concen: 48.913 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

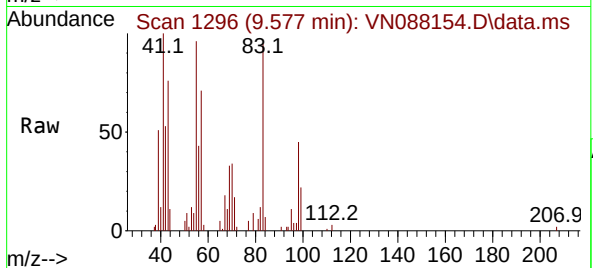
Tgt Ion:113 Resp: 182386
Ion Ratio Lower Upper
113 100
111 104.6 82.8 124.2
192 15.5 12.8 19.2





#39
Methylcyclohexane
Concen: 3.937 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

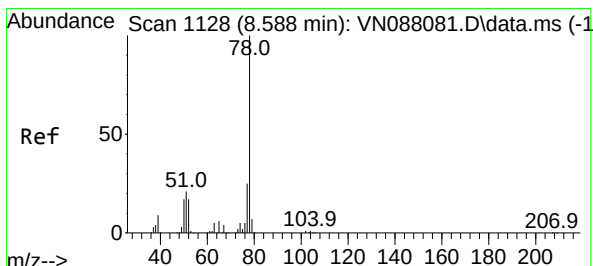
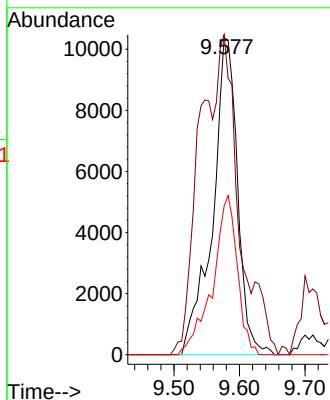
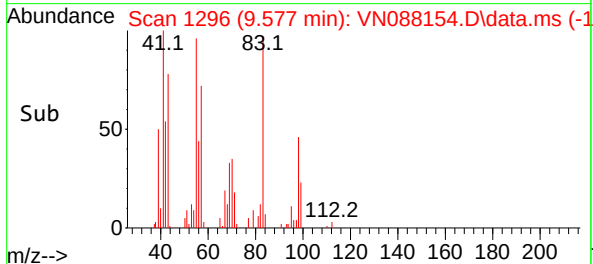
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion: 83 Resp: 27550
Ion Ratio Lower Upper
83 100
55 101.0 64.6 96.8
98 46.8 38.4 57.6

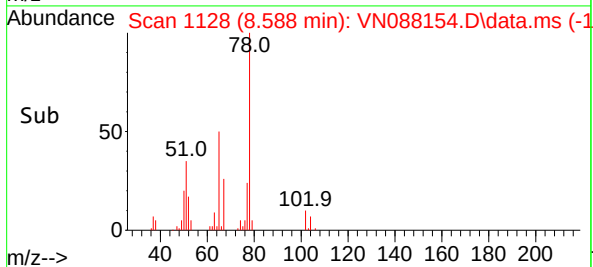
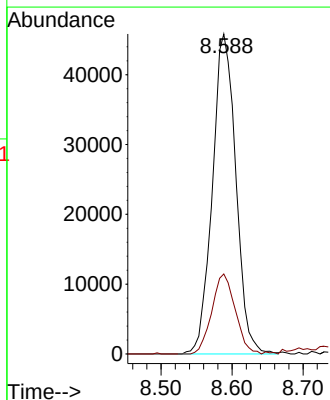
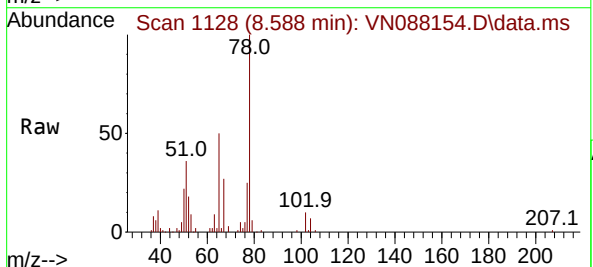
Manual Integrations
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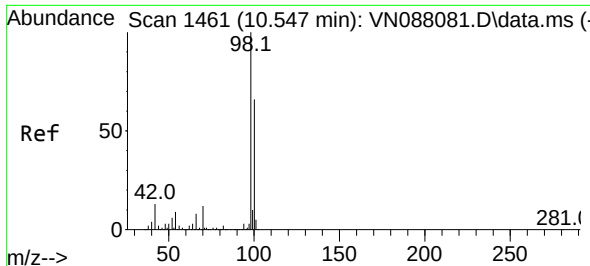
Reviewed By :Semsettin Yesilyurt 10/30/2025
Supervised By :Mahesh Dadoda 11/03/2025



#40
Benzene
Concen: 6.343 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

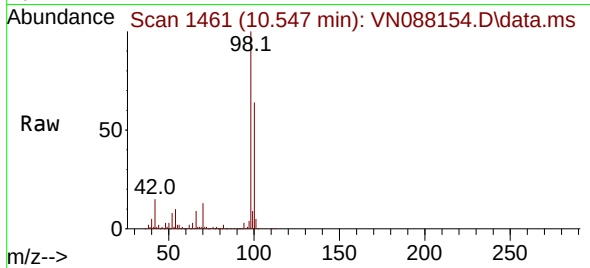
Tgt Ion: 78 Resp: 105170
Ion Ratio Lower Upper
78 100
77 25.0 19.7 29.5





#50
Toluene-d8
Concen: 46.942 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

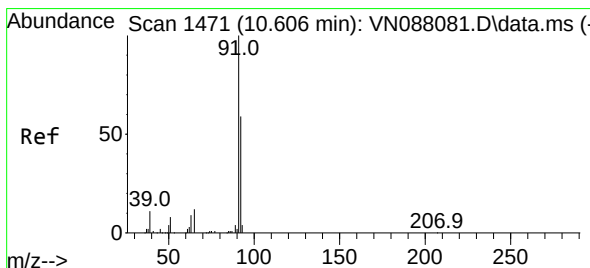
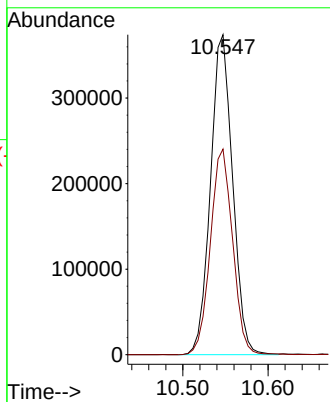
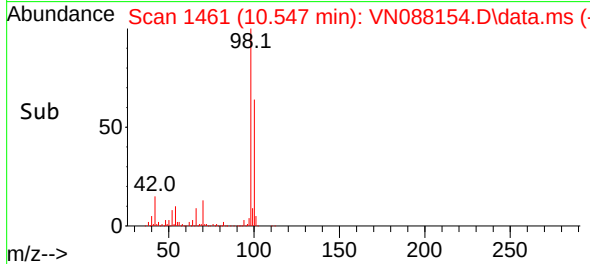
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion: 98 Resp: 674430
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2

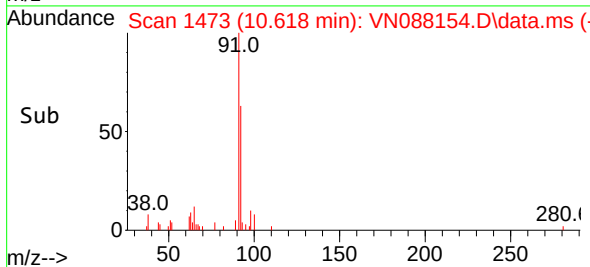
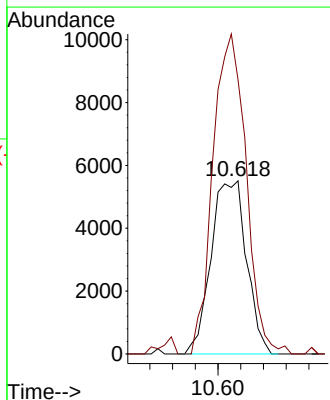
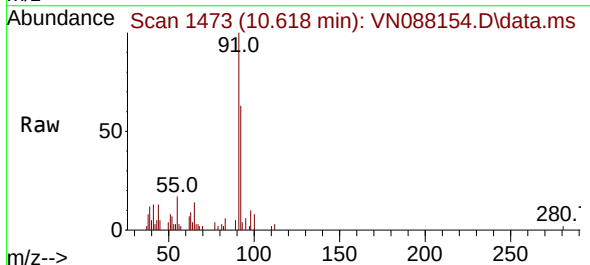
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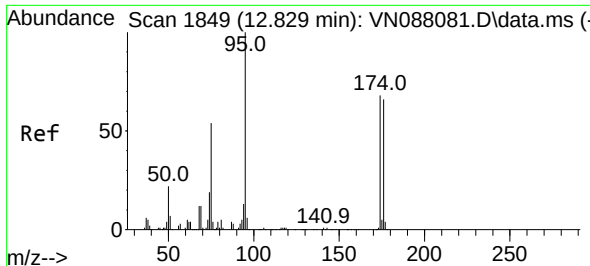
Reviewed By :Semsettin Yesilyurt 10/30/2025
Supervised By :Mahesh Dadoda 11/03/2025



#52
Toluene
Concen: 1.167 ug/l
RT: 10.618 min Scan# 1473
Delta R.T. 0.012 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

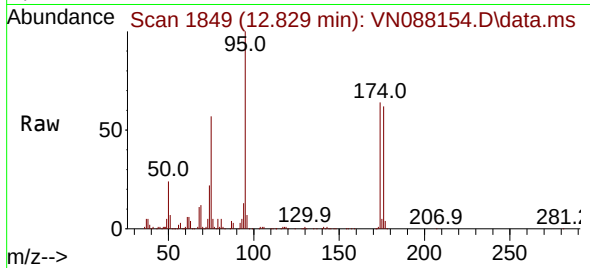
Tgt Ion: 92 Resp: 11927
Ion Ratio Lower Upper
92 100
91 173.0 140.4 210.6





#62
4-Bromofluorobenzene
Concen: 54.950 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

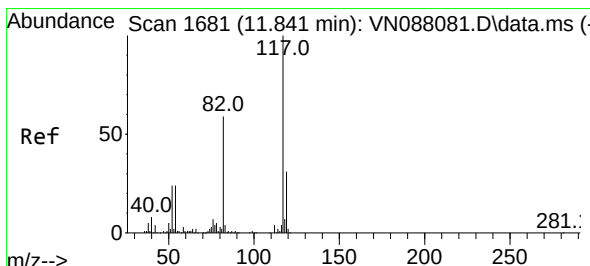
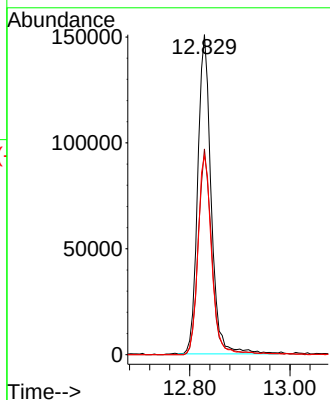
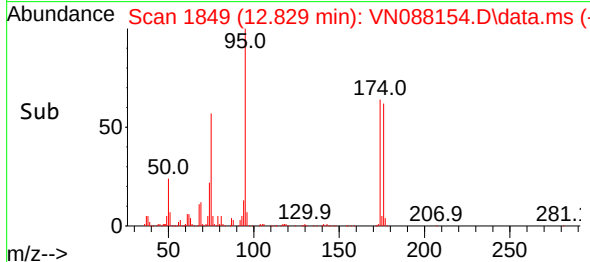
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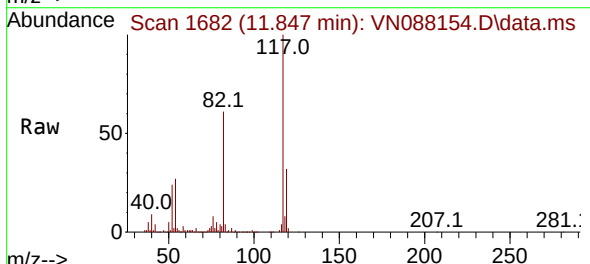
Tgt Ion: 95 Resp: 278818
Ion Ratio Lower Upper
95 100
174 63.7 0.0 138.4
176 64.2 0.0 132.6

Manual Integrations
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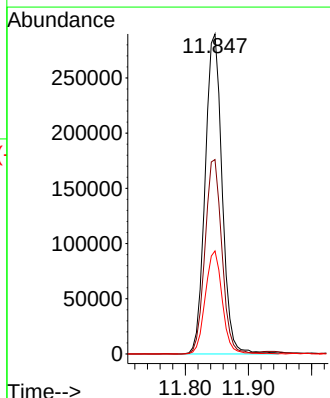
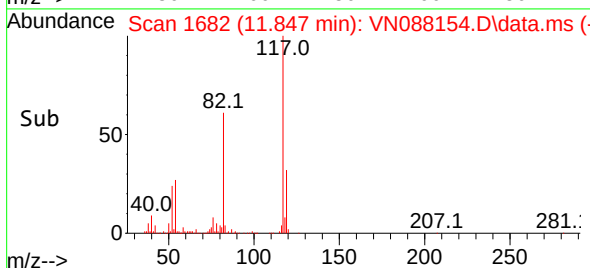
Reviewed By :Semsettin Yesilyurt 10/30/2025
Supervised By :Mahesh Dadoda 11/03/2025

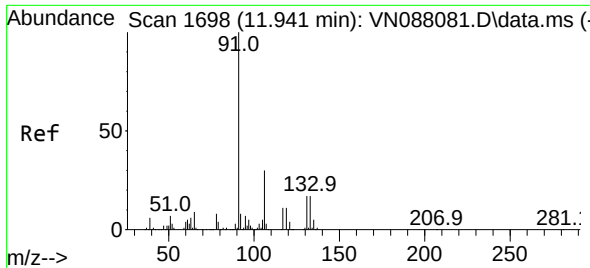


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03



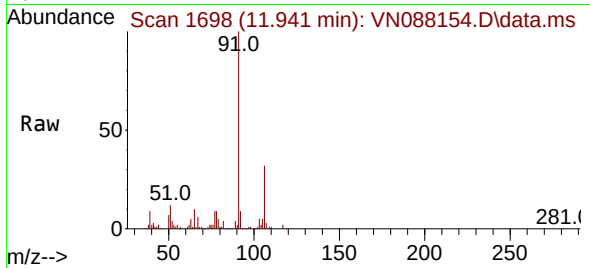
Tgt Ion:117 Resp: 540568
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 32.2 24.3 36.5





#67
Ethyl Benzene
Concen: 4.830 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

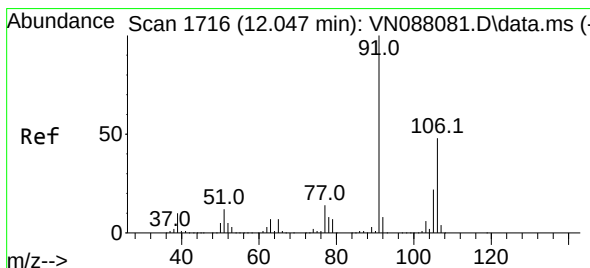
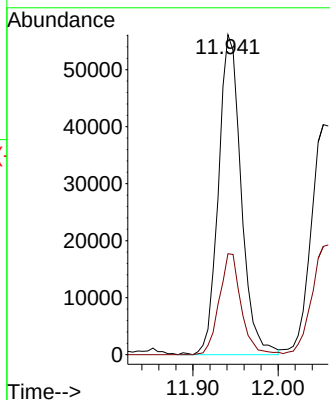
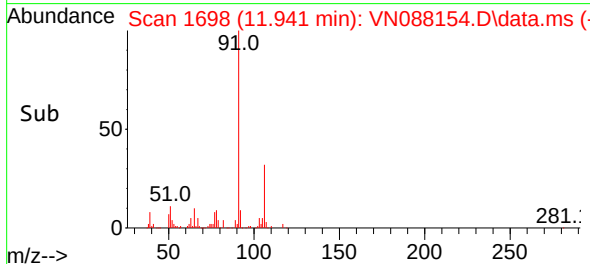
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion: 91 Resp: 10405
Ion Ratio Lower Upper
91 100
106 31.5 24.1 36.1

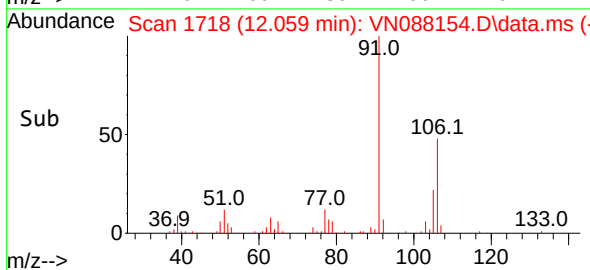
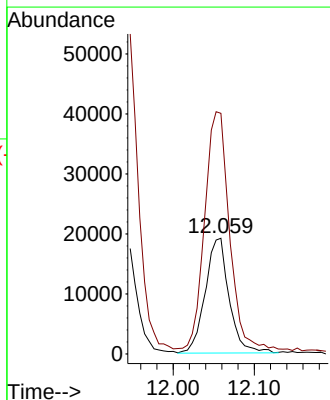
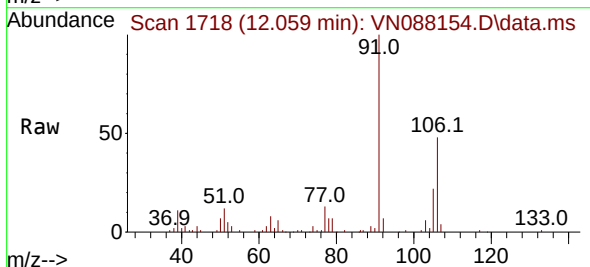
Manual Integrations
APPROVED

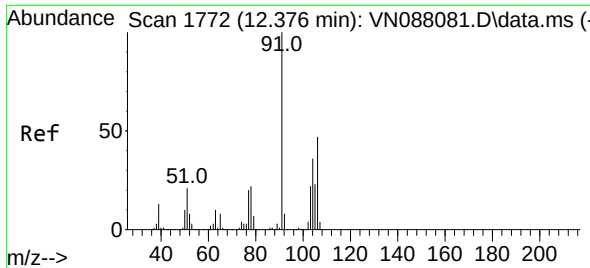
Reviewed By :Semsettin Yesilyurt 10/30/2025
Supervised By :Mahesh Dadoda 11/03/2025



#68
m/p-Xylenes
Concen: 4.849 ug/l
RT: 12.059 min Scan# 1718
Delta R.T. 0.012 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

Tgt Ion:106 Resp: 39145
Ion Ratio Lower Upper
106 100
91 218.6 169.3 253.9





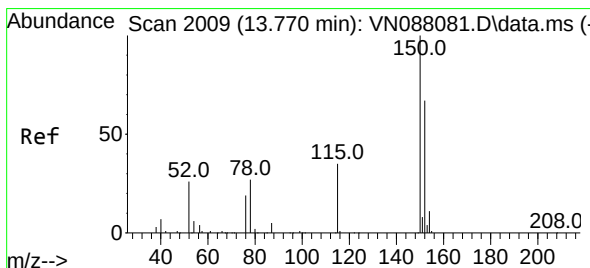
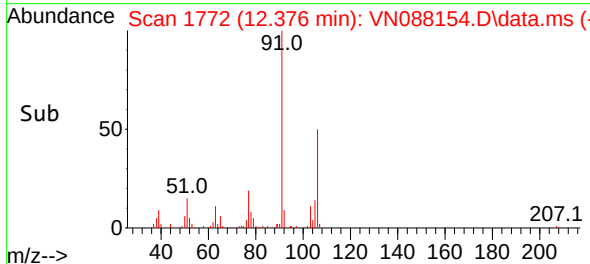
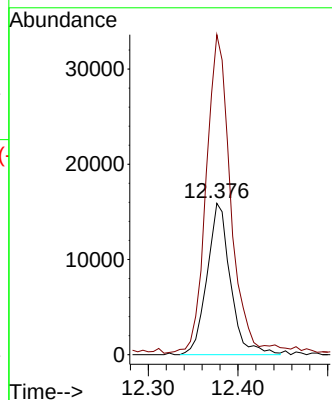
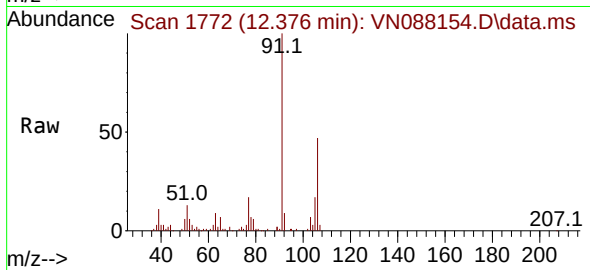
#69
o-Xylene
Concen: 3.758 ug/l
RT: 12.376 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

Instrument :
MSVOA_N
ClientSampleId :
MW-06

Tgt Ion:106 Resp: 28759
Ion Ratio Lower Upper
106 100
91 216.6 111.4 334.2

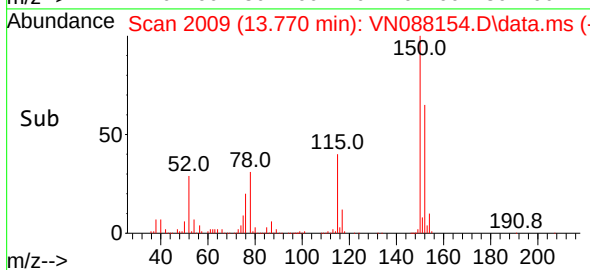
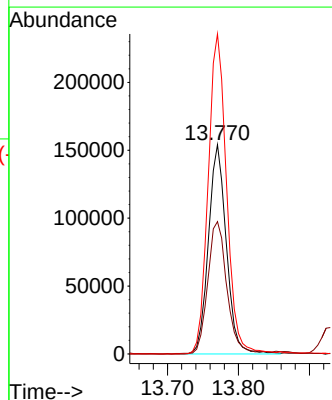
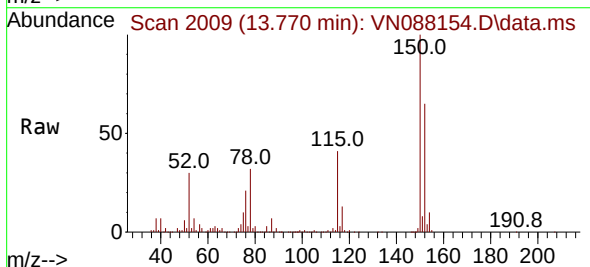
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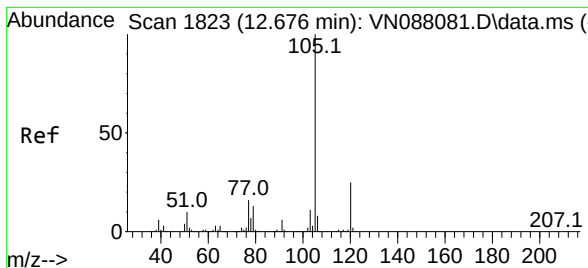
Reviewed By :Semsettin Yesilyurt 10/30/2025
Supervised By :Mahesh Dadoda 11/03/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

Tgt Ion:152 Resp: 270083
Ion Ratio Lower Upper
152 100
115 67.6 32.3 96.8
150 156.8 0.0 351.0





#73

Isopropylbenzene

Concen: 20.146 ug/l

RT: 12.671 min Scan# 1822

Delta R.T. -0.000 min

Lab File: VN088154.D

Acq: 29 Oct 2025 13:03

Instrument :

MSVOA_N

ClientSampleId :

MW-06

Tgt Ion:105 Resp: 41966

Ion Ratio Lower Upper

105 100

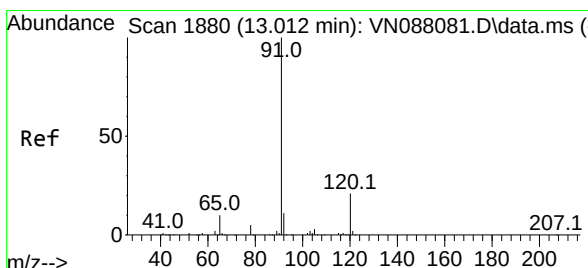
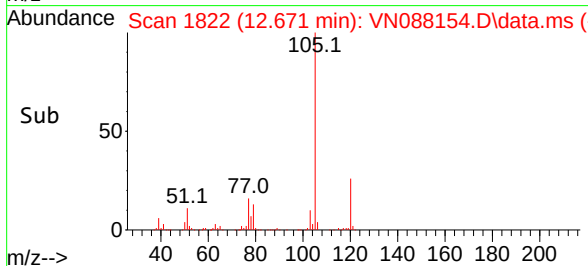
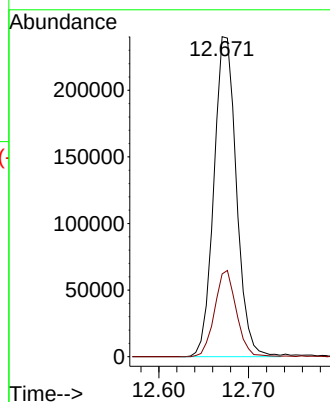
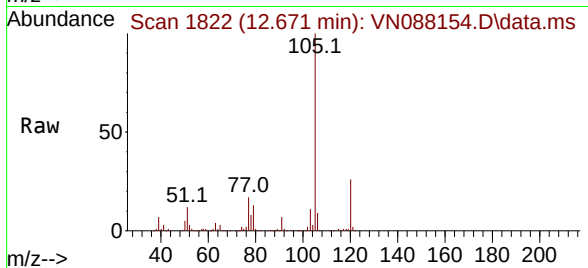
120 26.0 12.8 38.3

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Reviewed By :Semsettin Yesilyurt 10/30/2025

Supervised By :Mahesh Dadoda 11/03/2025



#78

n-propylbenzene

Concen: 46.810 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN088154.D

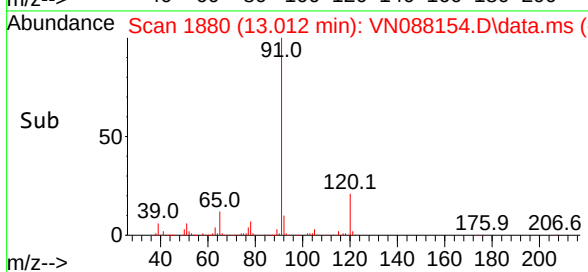
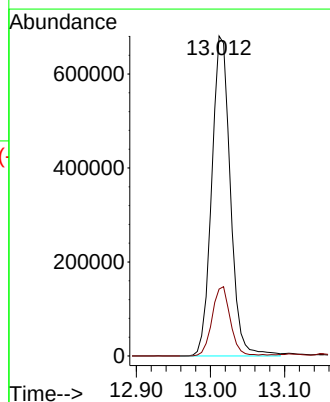
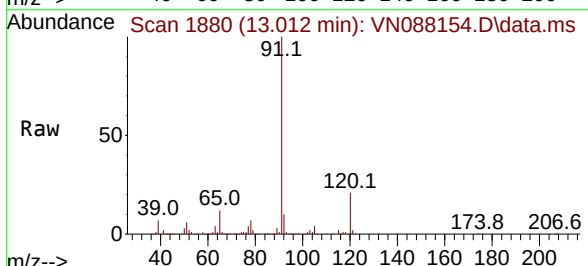
Acq: 29 Oct 2025 13:03

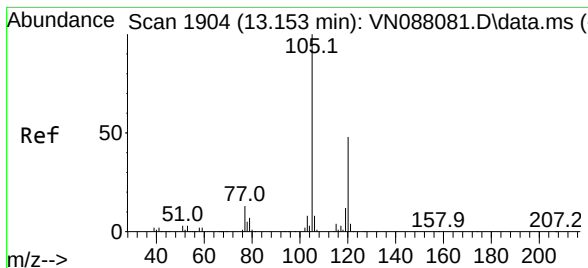
Tgt Ion: 91 Resp: 1189938

Ion Ratio Lower Upper

91 100

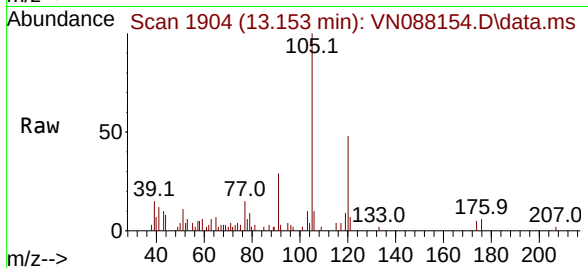
120 21.1 10.7 32.1





#80
1,3,5-Trimethylbenzene
Concen: 0.869 ug/l m
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

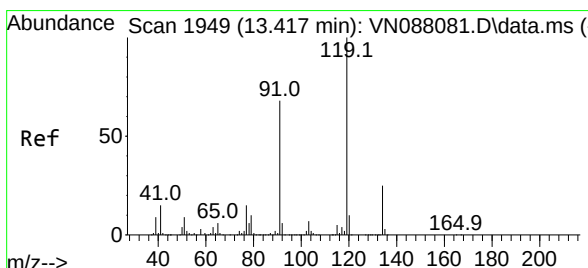
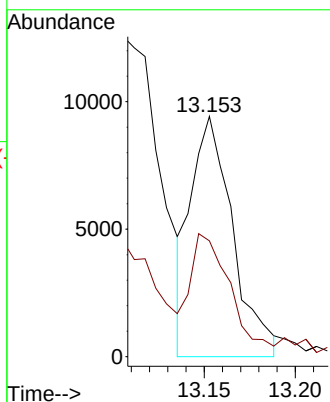
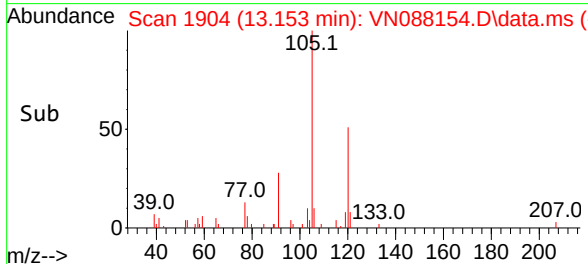
Instrument :
MSVOA_N
ClientSampleId :
MW-06



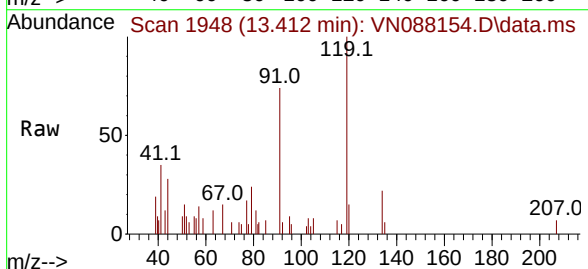
Tgt Ion:105 Resp: 15020
Ion Ratio Lower Upper
105 100
120 188.5 23.2 69.6

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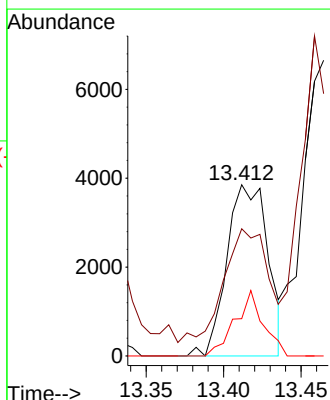
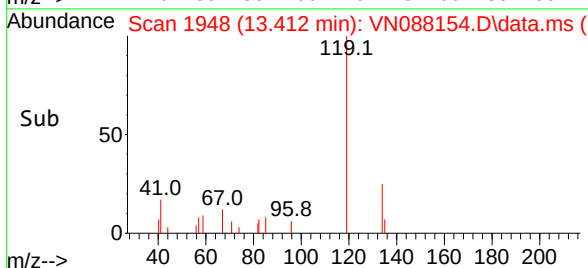
Reviewed By :Semsettin Yesilyurt 10/30/2025
Supervised By :Mahesh Dadoda 11/03/2025

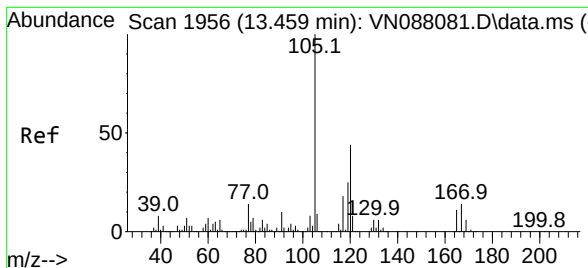


#83
tert-Butylbenzene
Concen: 0.460 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03



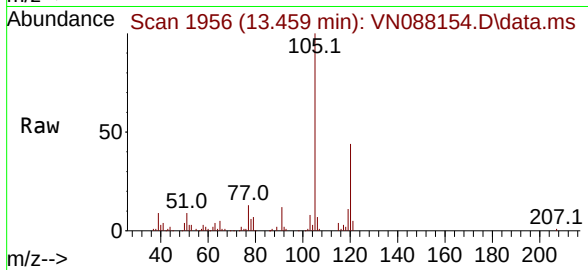
Tgt Ion:119 Resp: 7116
Ion Ratio Lower Upper
119 100
91 68.9 35.0 105.0
134 26.2 12.6 37.8





#84
1,2,4-Trimethylbenzene
Concen: 5.666 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

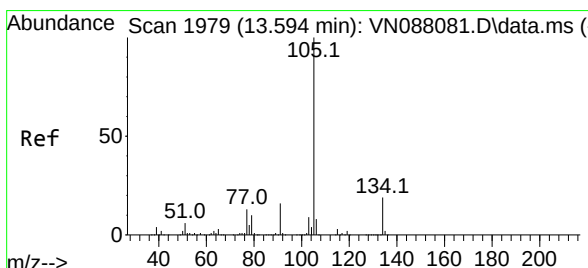
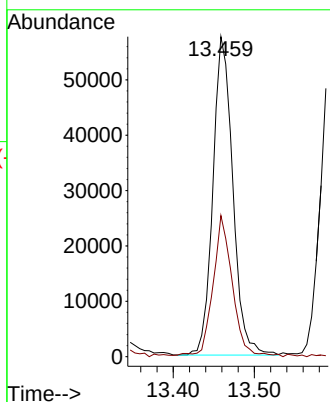
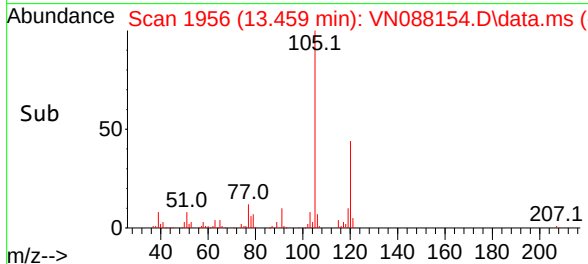
Instrument :
MSVOA_N
ClientSampleId :
MW-06



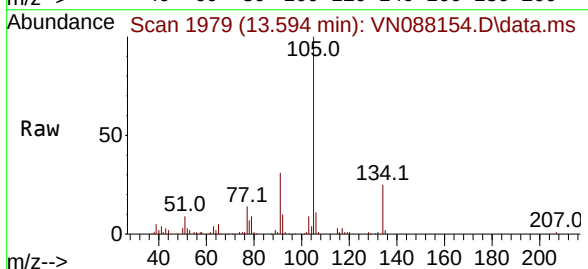
Tgt Ion:105 Resp: 98069
Ion Ratio Lower Upper
105 100
120 43.5 22.0 66.0

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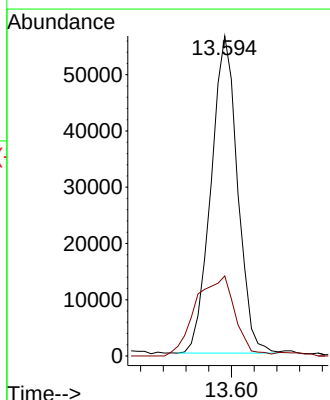
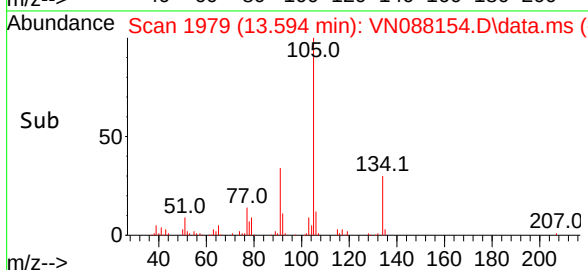
Reviewed By :Semsettin Yesilyurt 10/30/2025
Supervised By :Mahesh Dadoda 11/03/2025

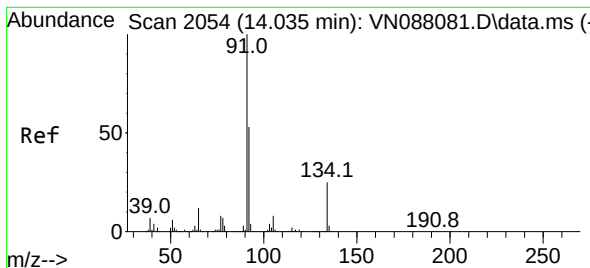


#85
sec-Butylbenzene
Concen: 4.039 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03



Tgt Ion:105 Resp: 91716
Ion Ratio Lower Upper
105 100
134 37.2 9.6 28.6#





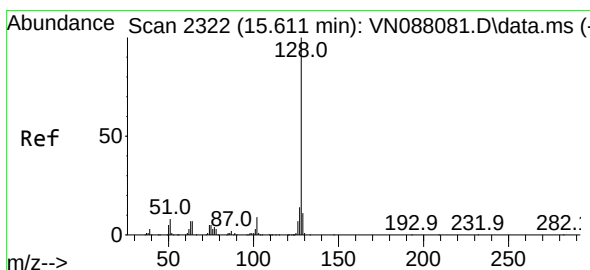
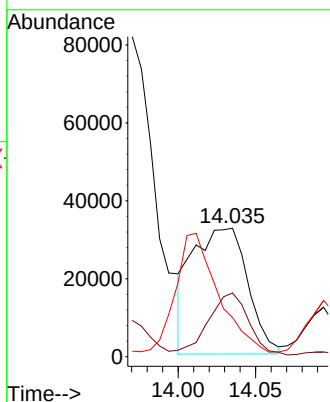
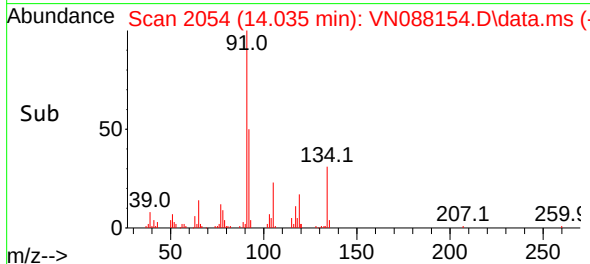
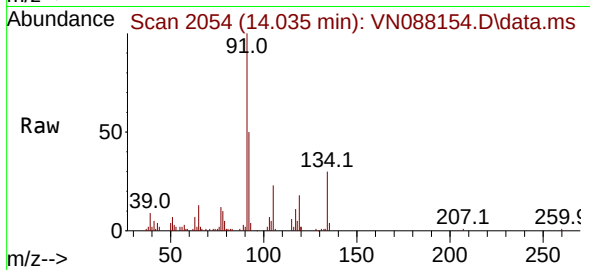
#89
n-Butylbenzene
Concen: 4.464 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

Instrument :
MSVOA_N
ClientSampleId :
MW-06

Tgt Ion: 91 Resp: 8054
Ion Ratio Lower Upper
91 100
92 37.6 25.9 77.8
134 0.0 11.7 35.0

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/30/2025
Supervised By :Mahesh Dadoda 11/03/2025



#95
Naphthalene
Concen: 48.479 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN088154.D
Acq: 29 Oct 2025 13:03

Tgt Ion:128 Resp: 869407
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.7 8.6 12.8

