

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087853.D
 Acq On : 16 Sep 2025 16:29
 Operator : JC\MD
 Sample : Q3108-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:23:20 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	8.206	168	185269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	420719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	413257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	214606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	183121	48.241	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.480%		
35) Dibromofluoromethane	8.147	113	153469	50.523	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.040%		
50) Toluene-d8	10.547	98	555814	48.888	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.780%		
62) 4-Bromofluorobenzene	12.829	95	202863	50.174	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.340%		
Target Compounds					Qvalue	
31) Cyclohexane	8.236	56	184130	38.565	ug/l #	96
39) Methylcyclohexane	9.582	83	103304	20.135	ug/l	98
40) Benzene	8.594	78	12906	0.903	ug/l #	81
52) Toluene	10.606	92	89671	10.120	ug/l	99
67) Ethyl Benzene	11.941	91	1205763	67.735	ug/l	100
68) m/p-Xylenes	12.047	106	726410	111.268	ug/l	96
69) o-Xylene	12.376	106	289309	45.220	ug/l	100
73) Isopropylbenzene	12.671	105	341010	19.664	ug/l	100
78) n-propylbenzene	13.012	91	1306539	61.166	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	599688	40.764	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	2248350	152.671	ug/l	99
85) sec-Butylbenzene	13.594	105	71233	3.916	ug/l #	69
86) p-Isopropyltoluene	13.706	119	20461	1.362	ug/l #	75
89) n-Butylbenzene	14.035	91	75518m	5.062	ug/l	

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

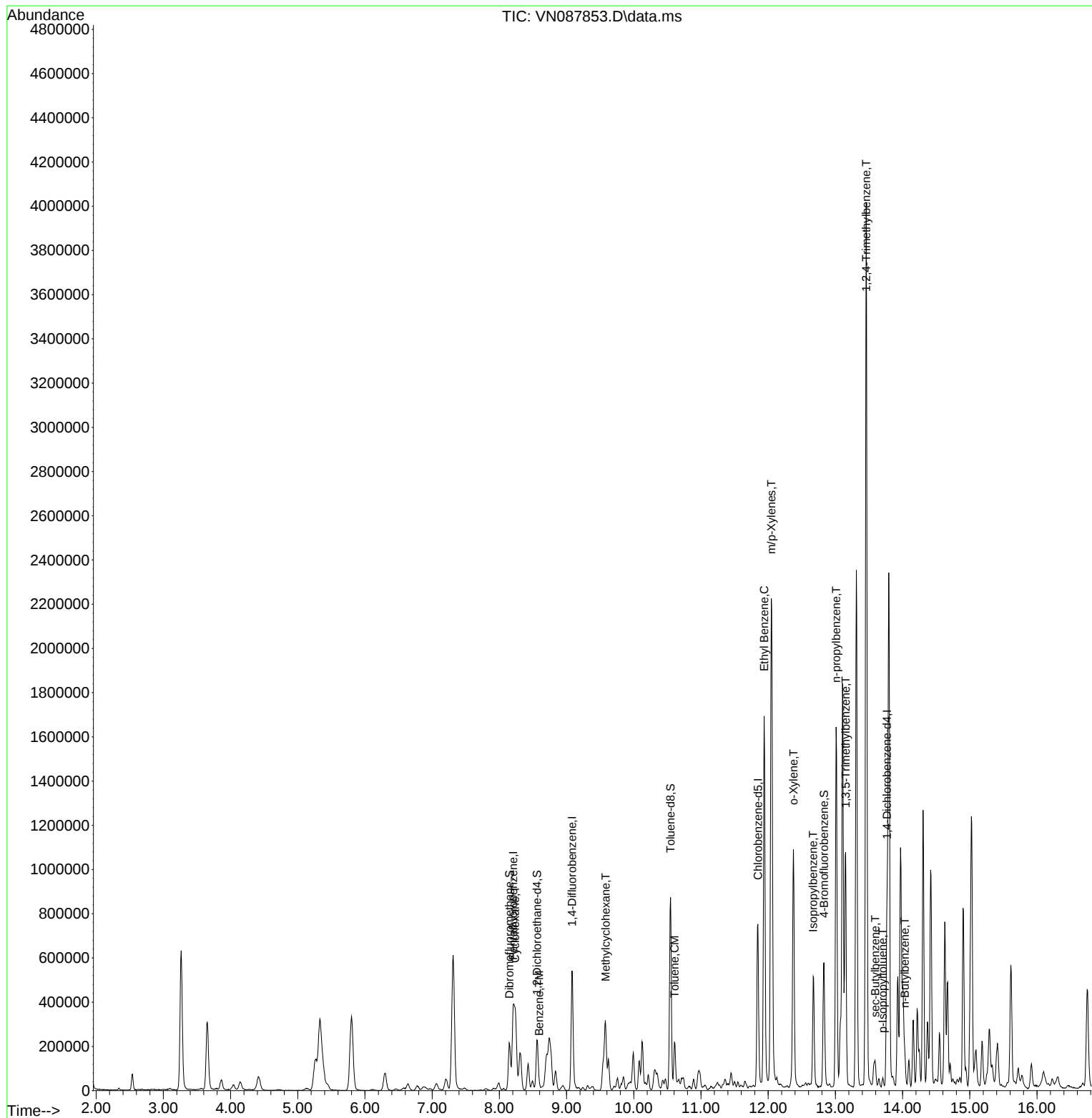
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087853.D
Acq On : 16 Sep 2025 16:29
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Misc : 5.0mL/MSVOA_N/WATER
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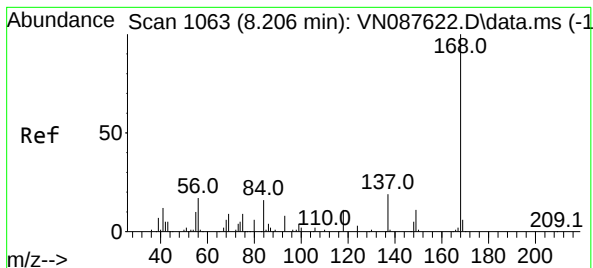
Instrument :
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ClientSampleId :
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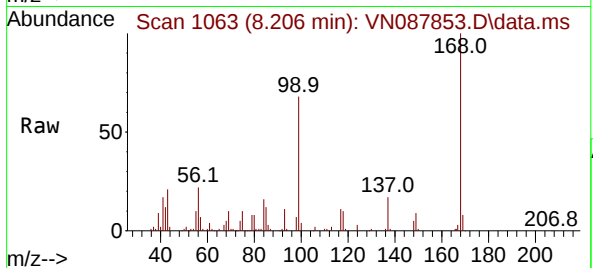
Quant Time: Sep 17 01:23:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

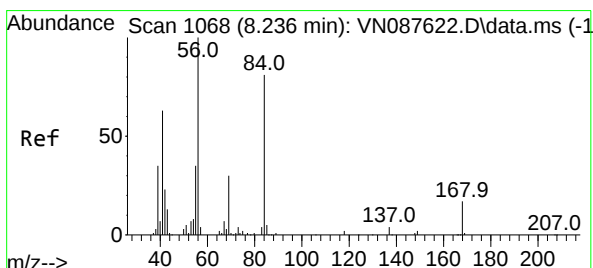
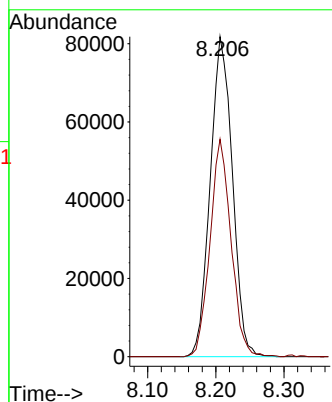
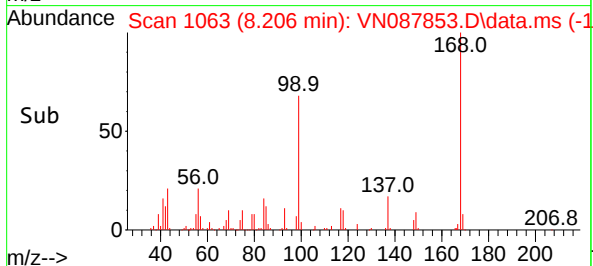
Instrument :
MSVOA_N
ClientSampleId :
MW2



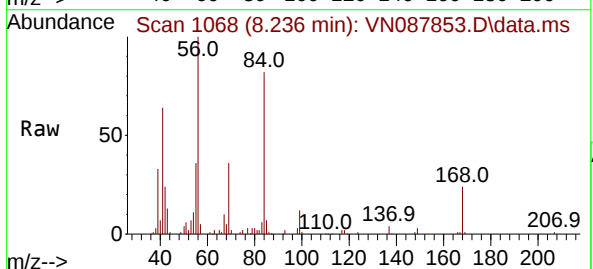
Tgt Ion:168 Resp: 185269
Ion Ratio Lower Upper
168 100
99 68.0 57.2 85.8

Manual Integrations
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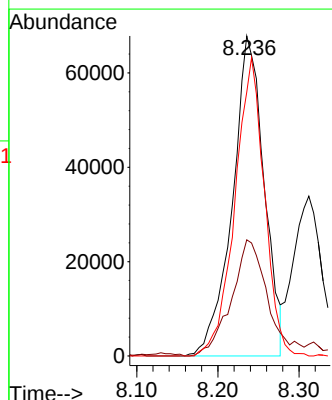
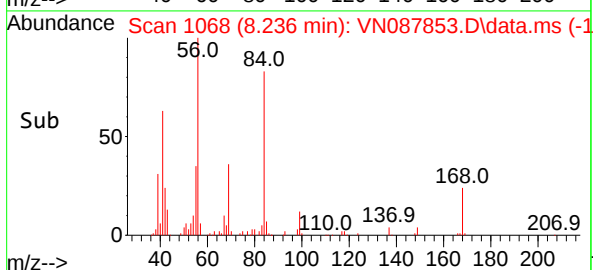
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

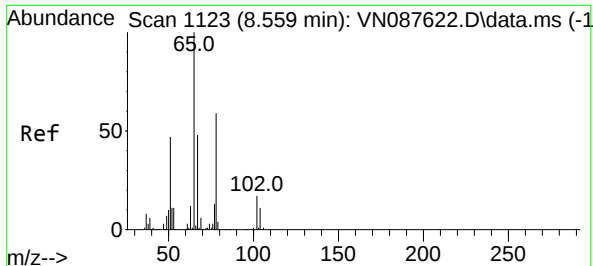


#31
Cyclohexane
Concen: 38.565 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29



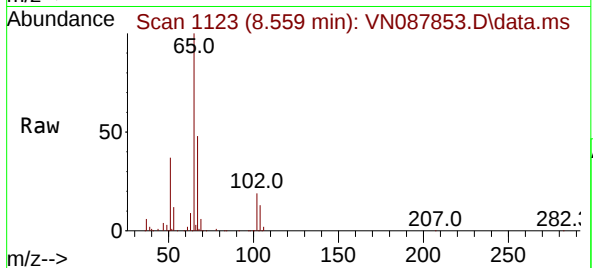
Tgt Ion: 56 Resp: 184130
Ion Ratio Lower Upper
56 100
69 35.7 23.7 35.5#
84 82.4 64.7 97.1





#33
1,2-Dichloroethane-d4
Concen: 48.241 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

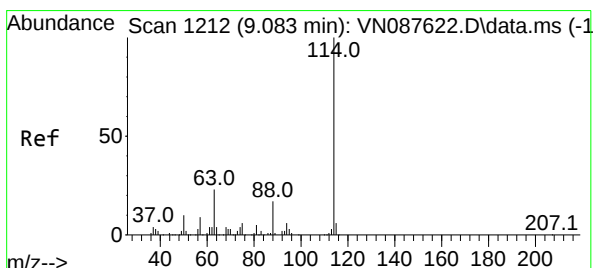
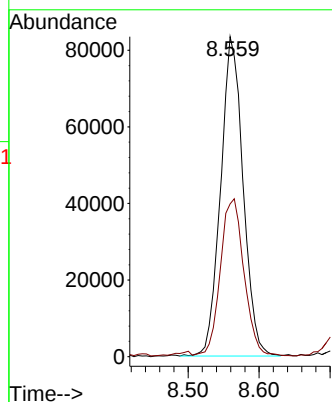
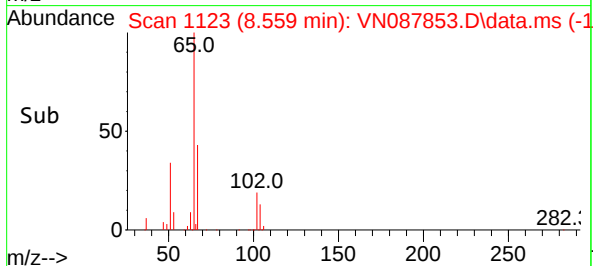
Instrument :
MSVOA_N
ClientSampleId :
MW2



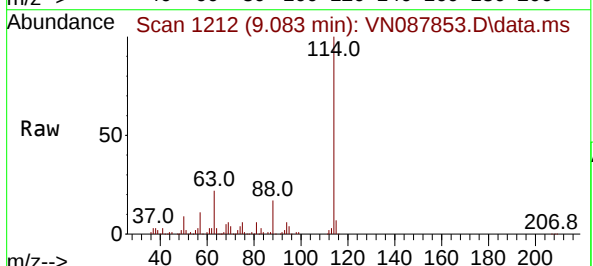
Tgt Ion: 65 Resp: 18312
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.0

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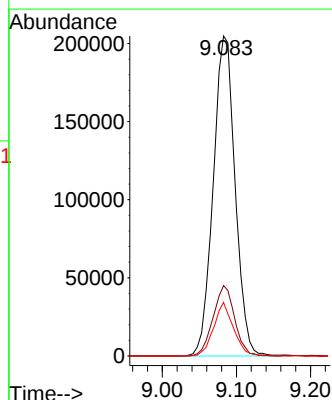
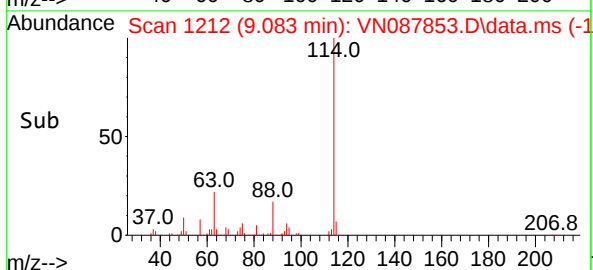
Reviewed By :John Carlone 09/17/2025
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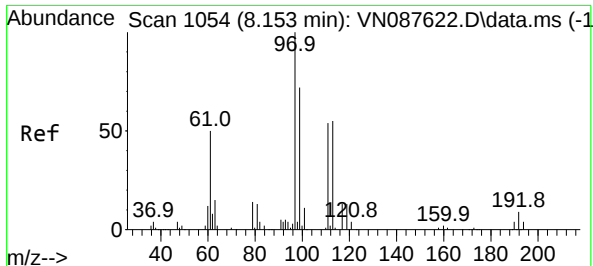


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29



Tgt Ion:114 Resp: 420719
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.2
88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.523 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087853.D

Acq: 16 Sep 2025 16:29

Instrument :

MSVOA_N

ClientSampleId :

MW2

Tgt Ion:113 Resp: 153469

Ion Ratio Lower Upper

113 100

111 99.6 82.8 124.2

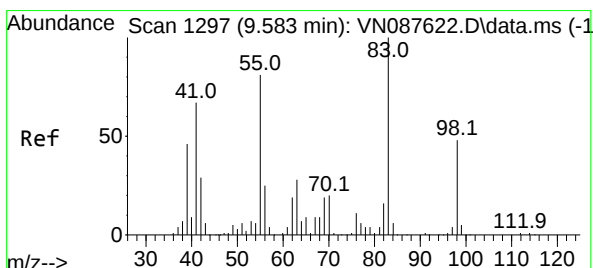
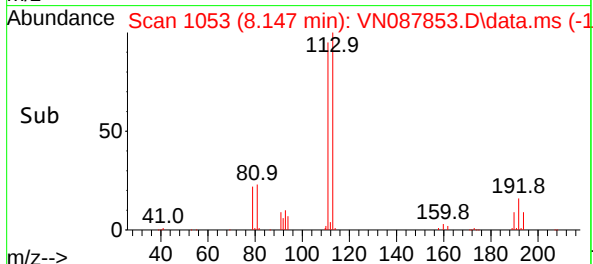
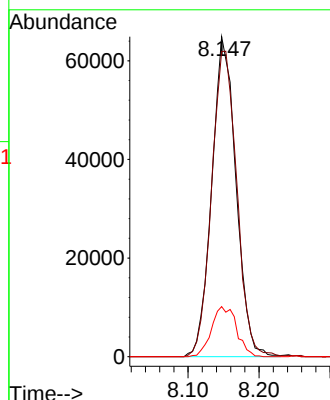
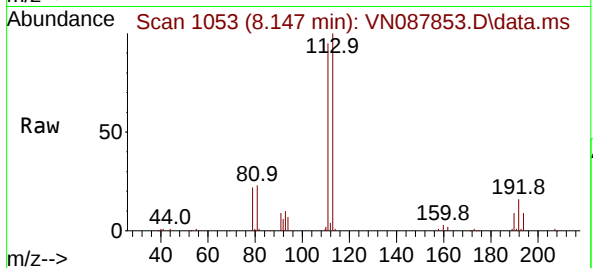
192 16.3 12.8 19.2

Manual Integrations

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#39

Methylcyclohexane

Concen: 20.135 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.000 min

Lab File: VN087853.D

Acq: 16 Sep 2025 16:29

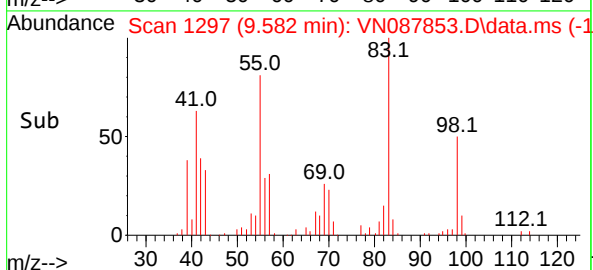
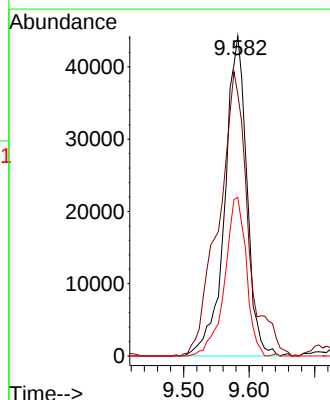
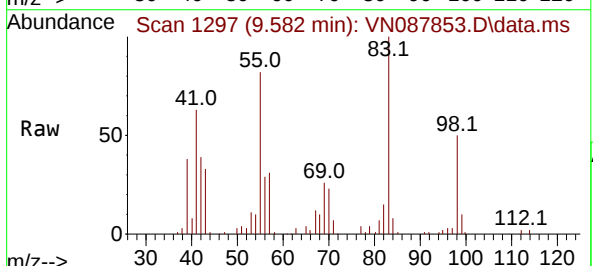
Tgt Ion: 83 Resp: 103304

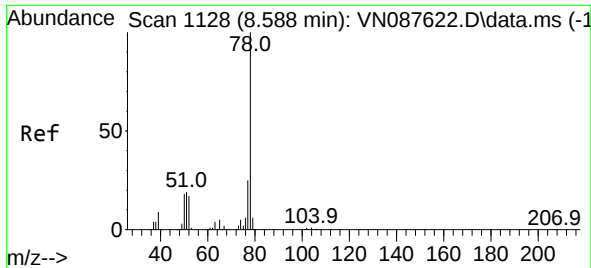
Ion Ratio Lower Upper

83 100

55 81.9 64.6 96.8

98 49.6 38.4 57.6





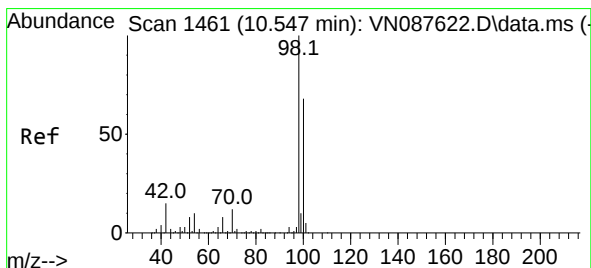
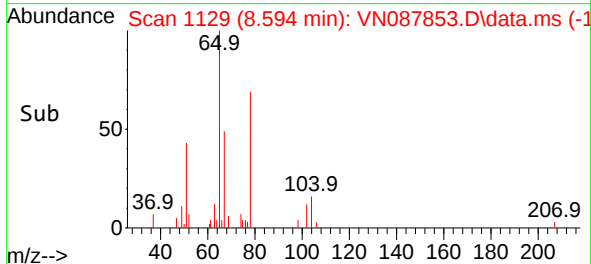
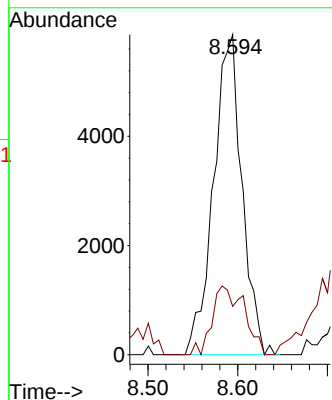
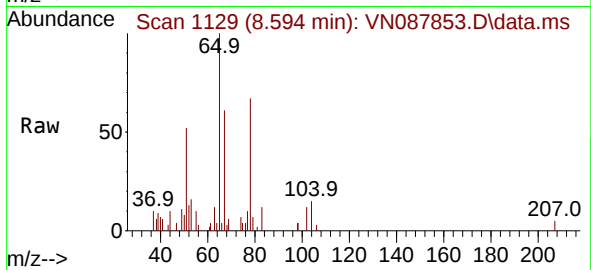
#40
Benzene
Concen: 0.903 ug/l
RT: 8.594 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 78 Resp: 12900
Ion Ratio Lower Upper
78 100
77 15.1 19.7 29.5

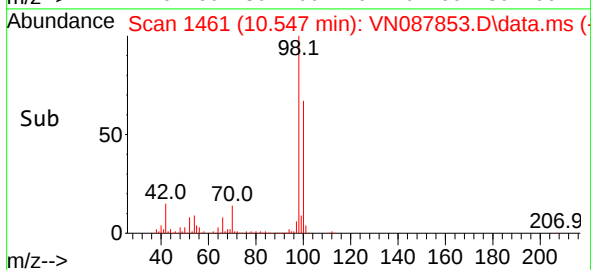
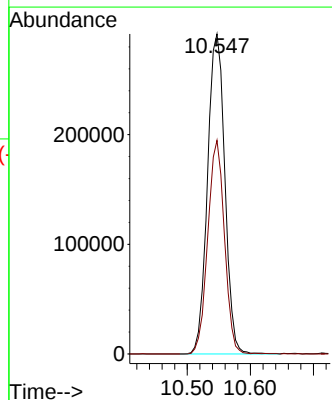
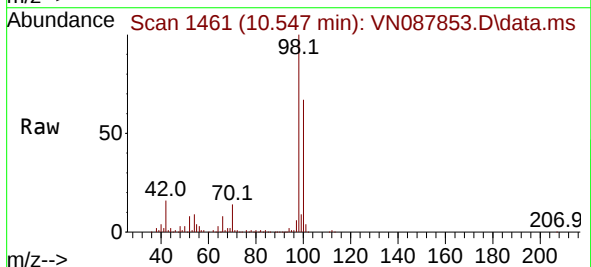
Manual Integrations
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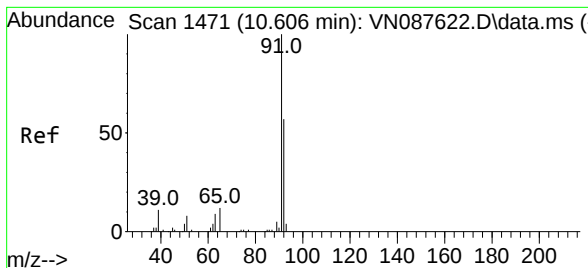
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#50
Toluene-d8
Concen: 48.888 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

Tgt Ion: 98 Resp: 555814
Ion Ratio Lower Upper
98 100
100 64.2 52.8 79.2





#52

Toluene

Concen: 10.120 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VN087853.D

Acq: 16 Sep 2025 16:29

Instrument :

MSVOA_N

ClientSampleId :

MW2

Tgt Ion: 92 Resp: 8967

Ion Ratio Lower Upper

92 100

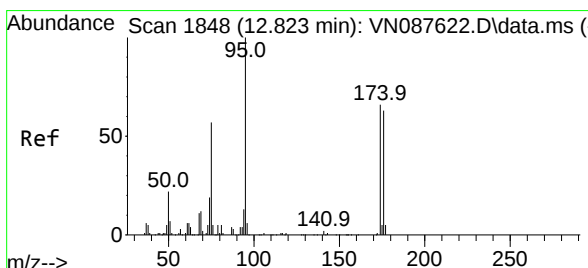
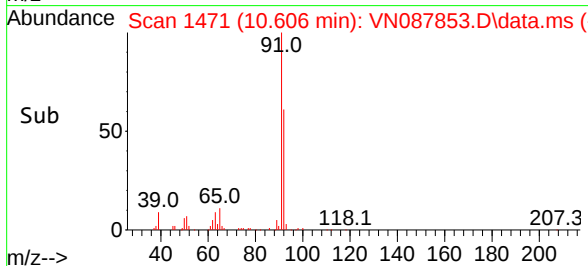
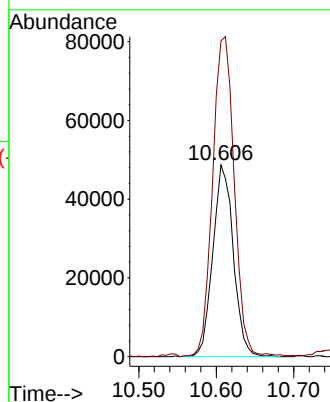
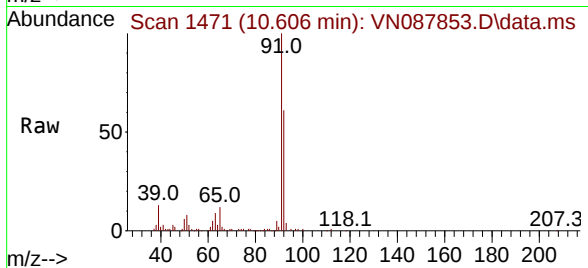
91 177.1 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#62

4-Bromofluorobenzene

Concen: 50.174 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN087853.D

Acq: 16 Sep 2025 16:29

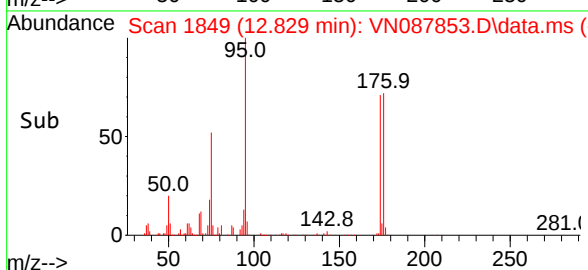
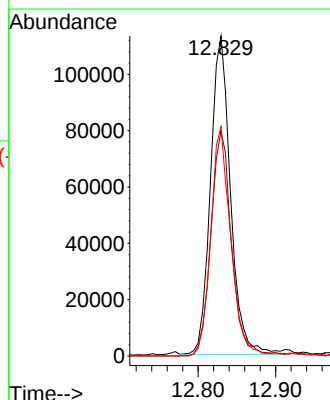
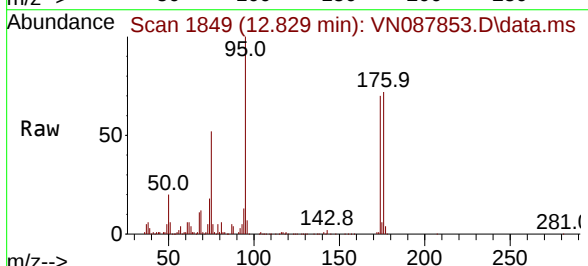
Tgt Ion: 95 Resp: 202863

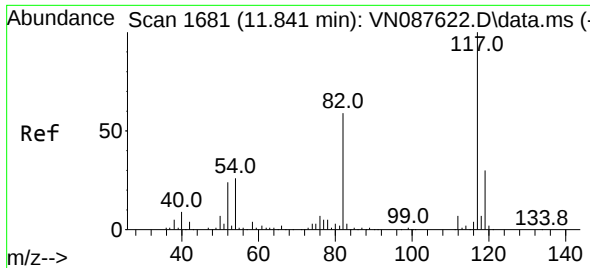
Ion Ratio Lower Upper

95 100

174 73.1 0.0 138.4

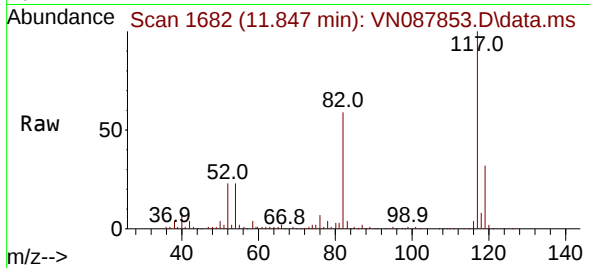
176 71.3 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

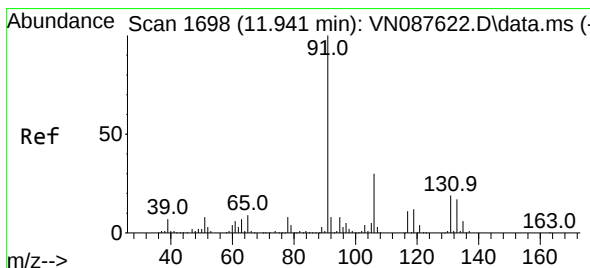
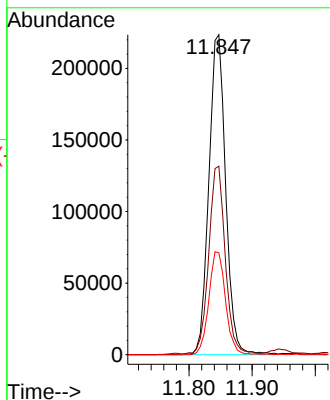
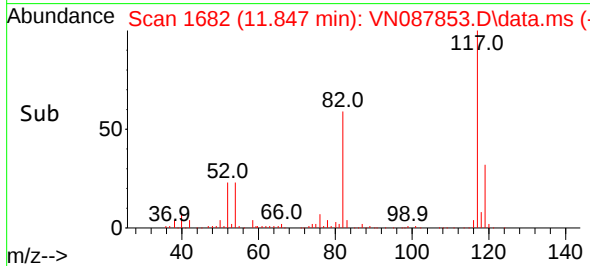
Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion:117 Resp: 41325
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.9 24.3 36.5

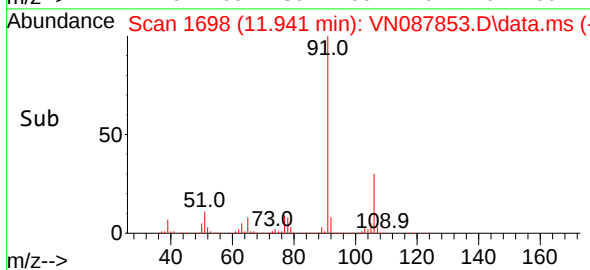
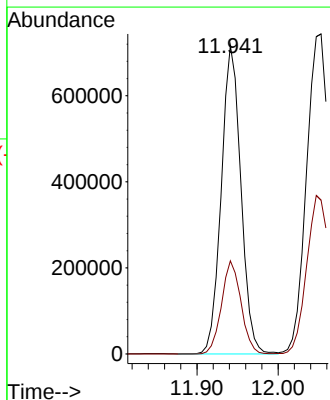
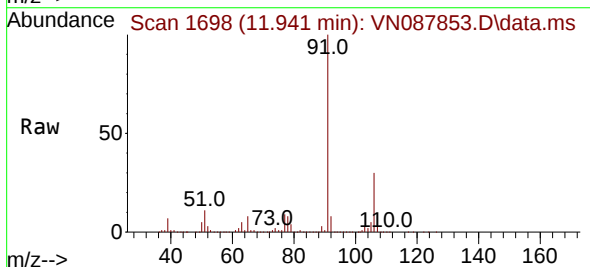
Manual Integrations
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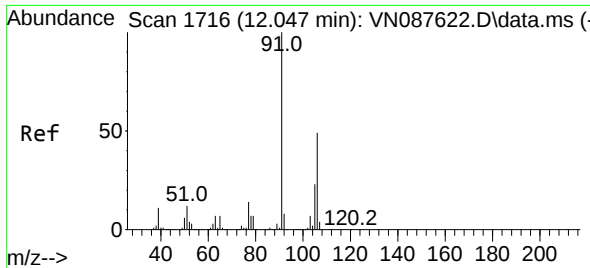
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#67
Ethyl Benzene
Concen: 67.735 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

Tgt Ion: 91 Resp: 1205763
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1





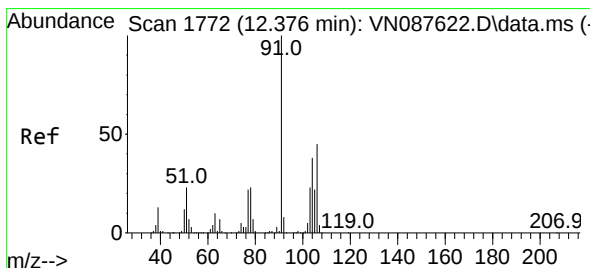
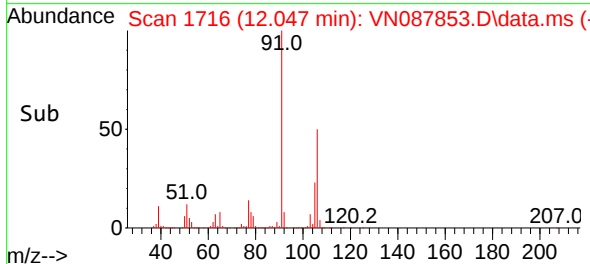
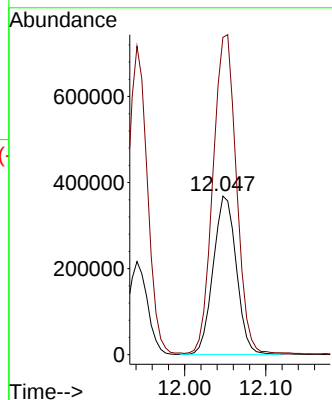
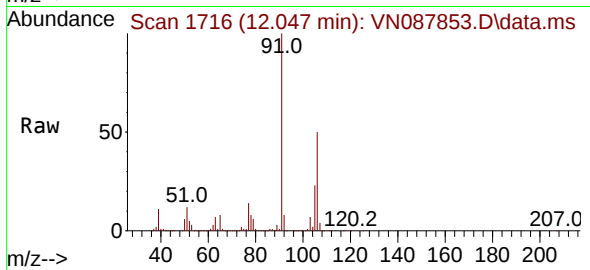
#68
m/p-Xylenes
Concen: 111.268 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion:106 Resp: 726410
Ion Ratio Lower Upper
106 100
91 205.8 169.3 253.9

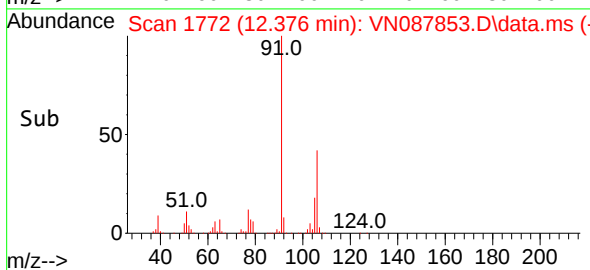
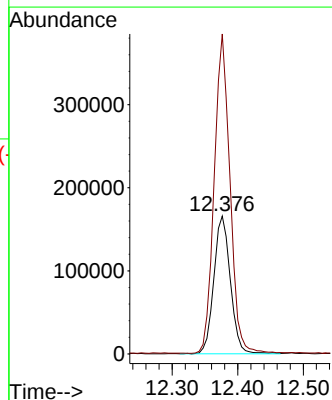
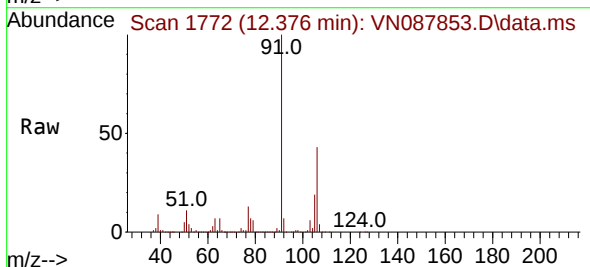
Manual Integrations
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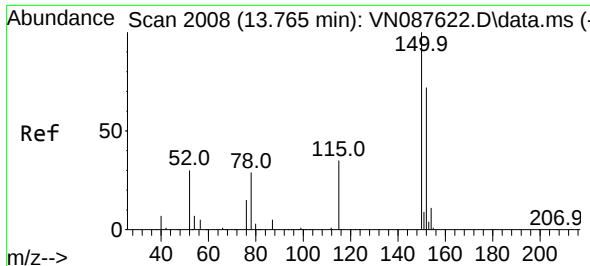
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#69
o-Xylene
Concen: 45.220 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

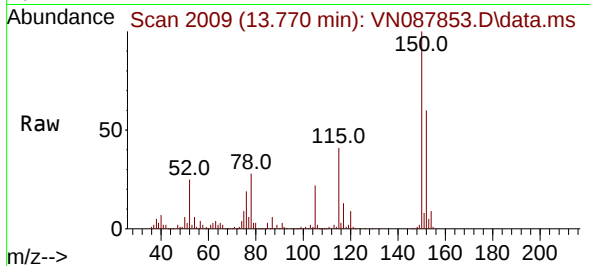
Tgt Ion:106 Resp: 289309
Ion Ratio Lower Upper
106 100
91 222.4 111.4 334.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2008
Delta R.T. 0.006 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

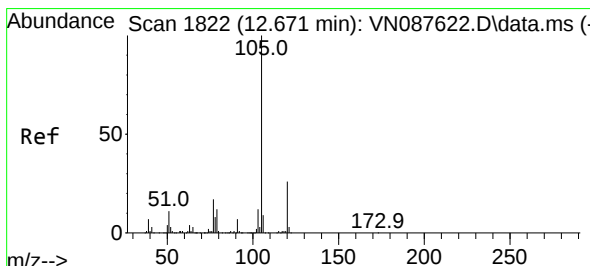
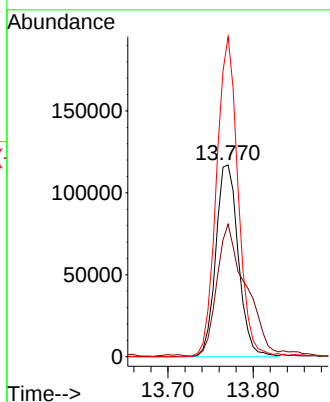
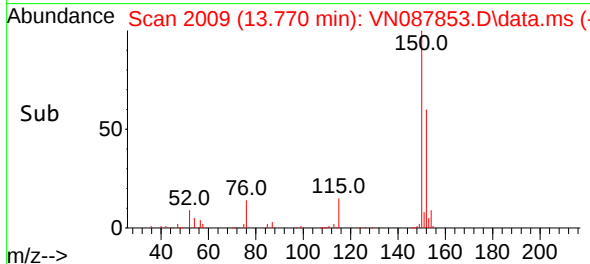
Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion:152 Resp: 214600
Ion Ratio Lower Upper
152 100
115 91.5 32.3 96.8
150 160.4 0.0 351.0

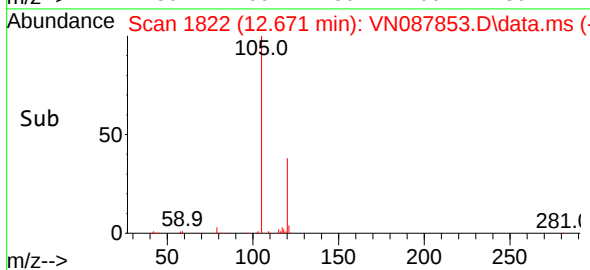
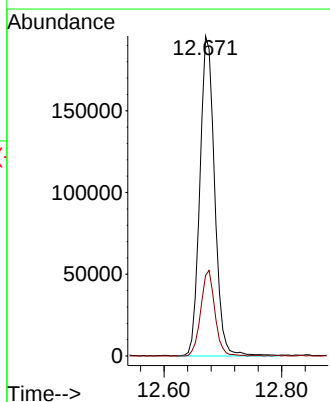
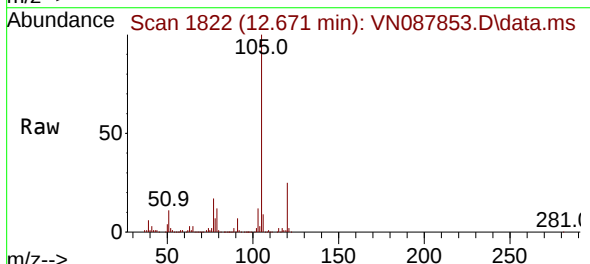
Manual Integrations
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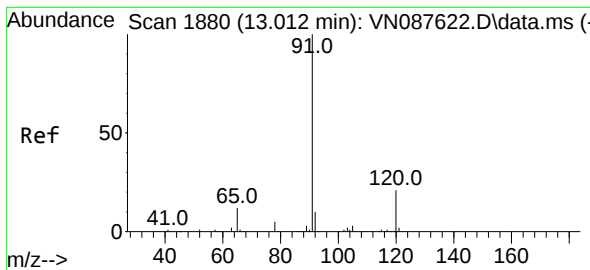
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#73
Isopropylbenzene
Concen: 19.664 ug/l
RT: 12.671 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

Tgt Ion:105 Resp: 341010
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.3





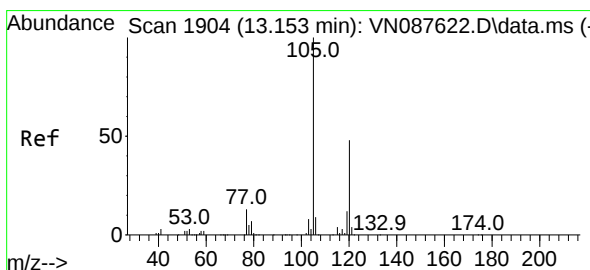
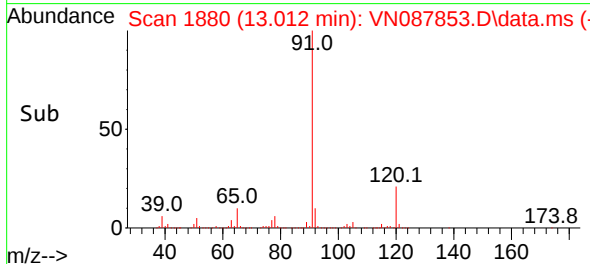
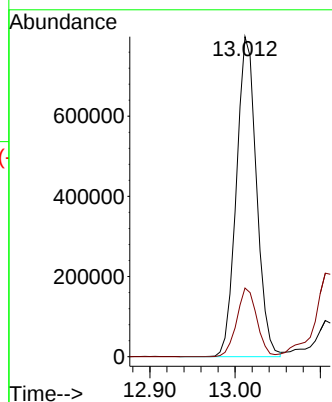
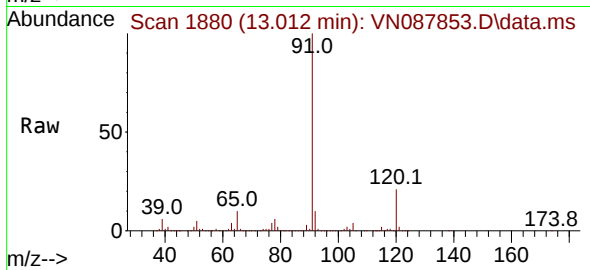
#78
n-propylbenzene
Concen: 61.166 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 91 Resp: 1306539
Ion Ratio Lower Upper
91 100
120 21.5 10.7 32.1

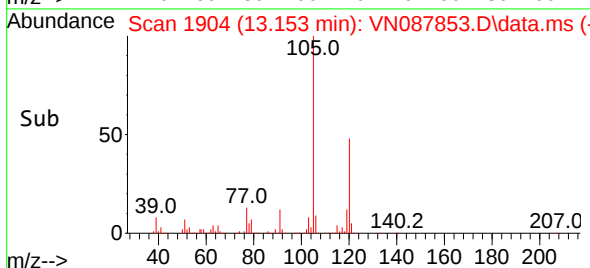
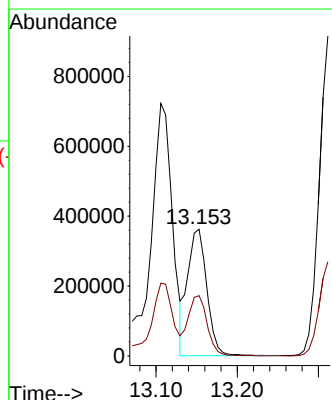
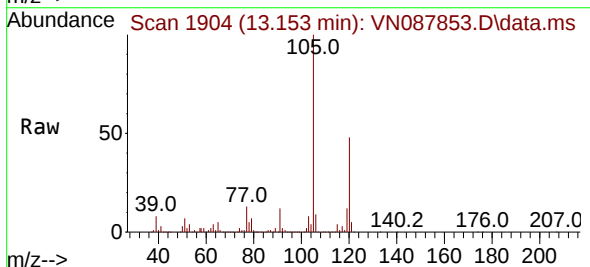
Manual Integrations
APPROVED

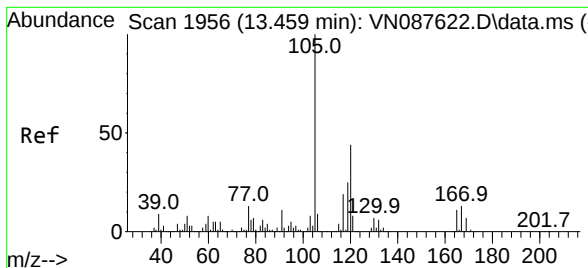
Reviewed By :John Carbone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#80
1,3,5-Trimethylbenzene
Concen: 40.764 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

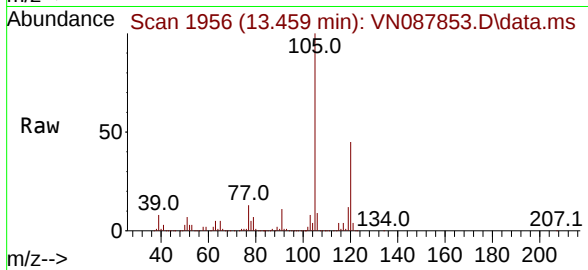
Tgt Ion:105 Resp: 599688
Ion Ratio Lower Upper
105 100
120 47.5 23.2 69.6





#84
1,2,4-Trimethylbenzene
Concen: 152.671 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

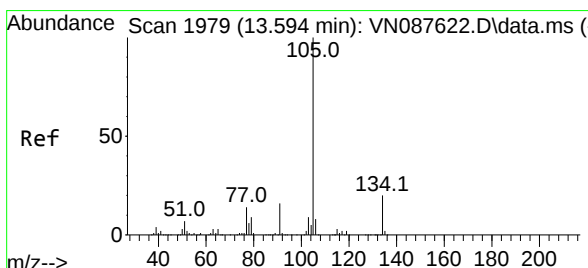
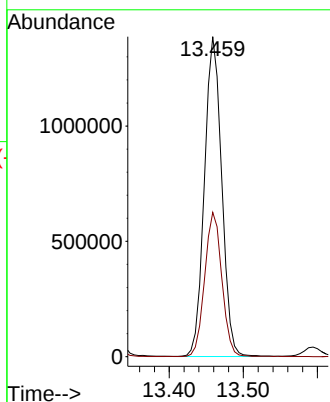
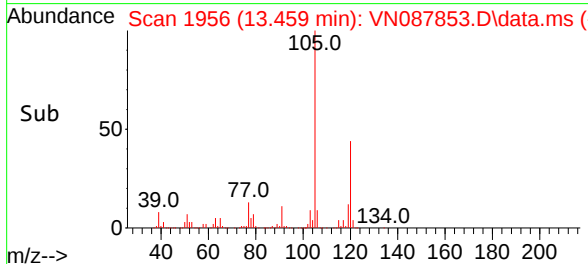
Instrument :
MSVOA_N
ClientSampleId :
MW2



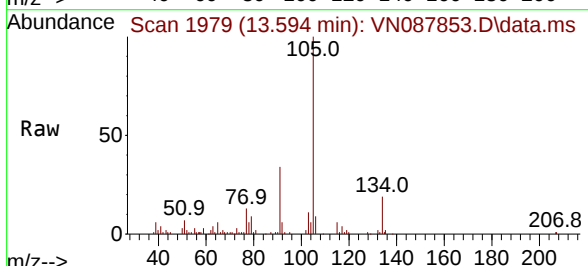
Tgt Ion:105 Resp: 2248350
Ion Ratio Lower Upper
105 100
120 44.7 22.0 66.0

Manual Integrations
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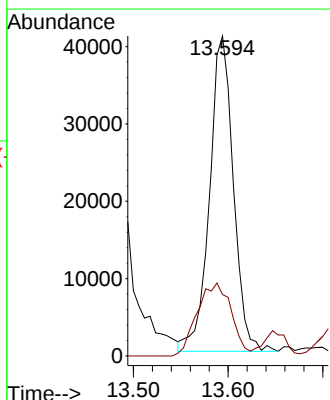
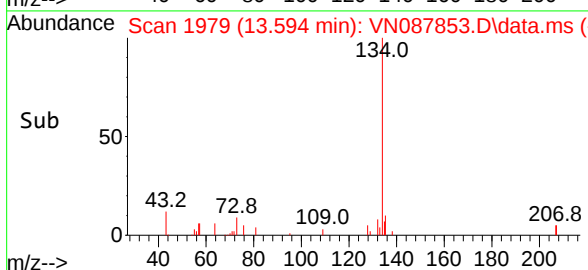
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

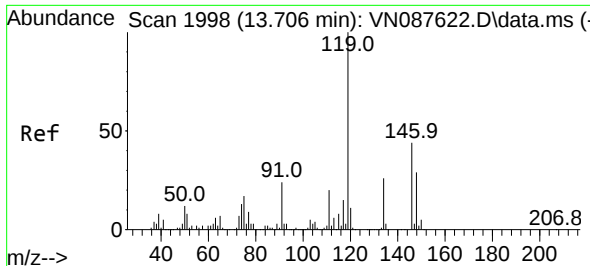


#85
sec-Butylbenzene
Concen: 3.916 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29



Tgt Ion:105 Resp: 71233
Ion Ratio Lower Upper
105 100
134 33.1 9.6 28.6#





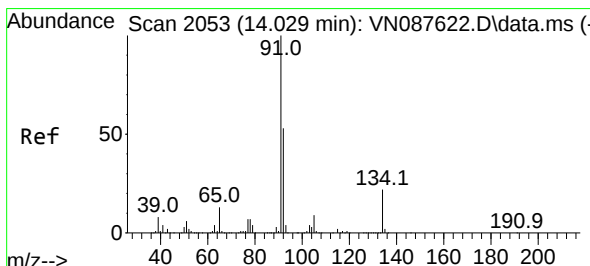
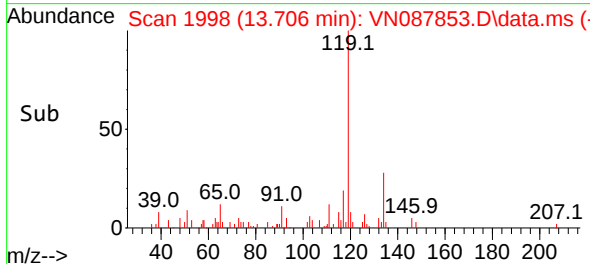
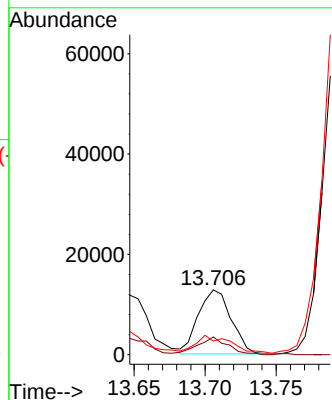
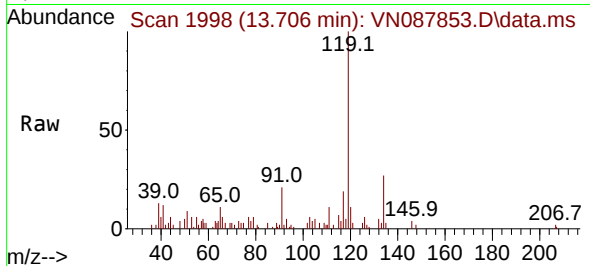
#86
p-Isopropyltoluene
Concen: 1.362 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 119 Resp: 2046
Ion Ratio Lower Upper
119 100
134 25.7 12.7 38.0
91 0.0 12.5 37.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#89
n-Butylbenzene
Concen: 5.062 ug/l m
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN087853.D
Acq: 16 Sep 2025 16:29

Tgt Ion: 91 Resp: 75518
Ion Ratio Lower Upper
91 100
92 55.5 25.9 77.8
134 0.0 11.7 35.0#

