

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086990.D
 Acq On : 12 Jun 2025 20:04
 Operator : JC\MD
 Sample : Q2268-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3-20250605

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/13/2025
 Supervised By : Mahesh Dadoda 06/13/2025

Quant Time: Jun 13 04:04:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	240809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	472342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	416914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	170552	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	163592	50.739	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.480%			
35) Dibromofluoromethane	8.177	113	140505	50.195	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.380%			
50) Toluene-d8	10.571	98	576609	52.034	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.060%			
62) 4-Bromofluorobenzene	12.847	95	183387	44.543	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.080%			
Target Compounds					Qvalue	
16) Acetone	4.453	43	9581	5.604	ug/l	97
25) 2-Butanone	7.506	43	4199	1.511	ug/l	95
30) Chloroform	7.977	83	25487	4.733	ug/l	94
31) Cyclohexane	8.265	56	82976	15.868	ug/l	# 93
39) Methylcyclohexane	9.606	83	90855	15.899	ug/l	97
40) Benzene	8.618	78	24034	1.762	ug/l	99
52) Toluene	10.635	92	2769765	332.283	ug/l	99
64) Tetrachloroethene	11.094	164	1297	0.492	ug/l	# 79
67) Ethyl Benzene	11.965	91	16135410	1018.743	ug/l	# 88
68) m/p-Xylenes	12.071	106	16322007	2692.071	ug/l	# 1
69) o-Xylene	12.400	106	5434901	935.959	ug/l	94
73) Isopropylbenzene	12.694	105	824068	66.324	ug/l	99
78) n-propylbenzene	13.035	91	2096250	138.829	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	3218251	313.725	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	15634159	1519.862	ug/l	94
85) sec-Butylbenzene	13.618	105	67252m	4.932	ug/l	
86) p-Isopropyltoluene	13.729	119	44981m	3.990	ug/l	
89) n-Butylbenzene	14.053	91	76337m	6.992	ug/l	

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

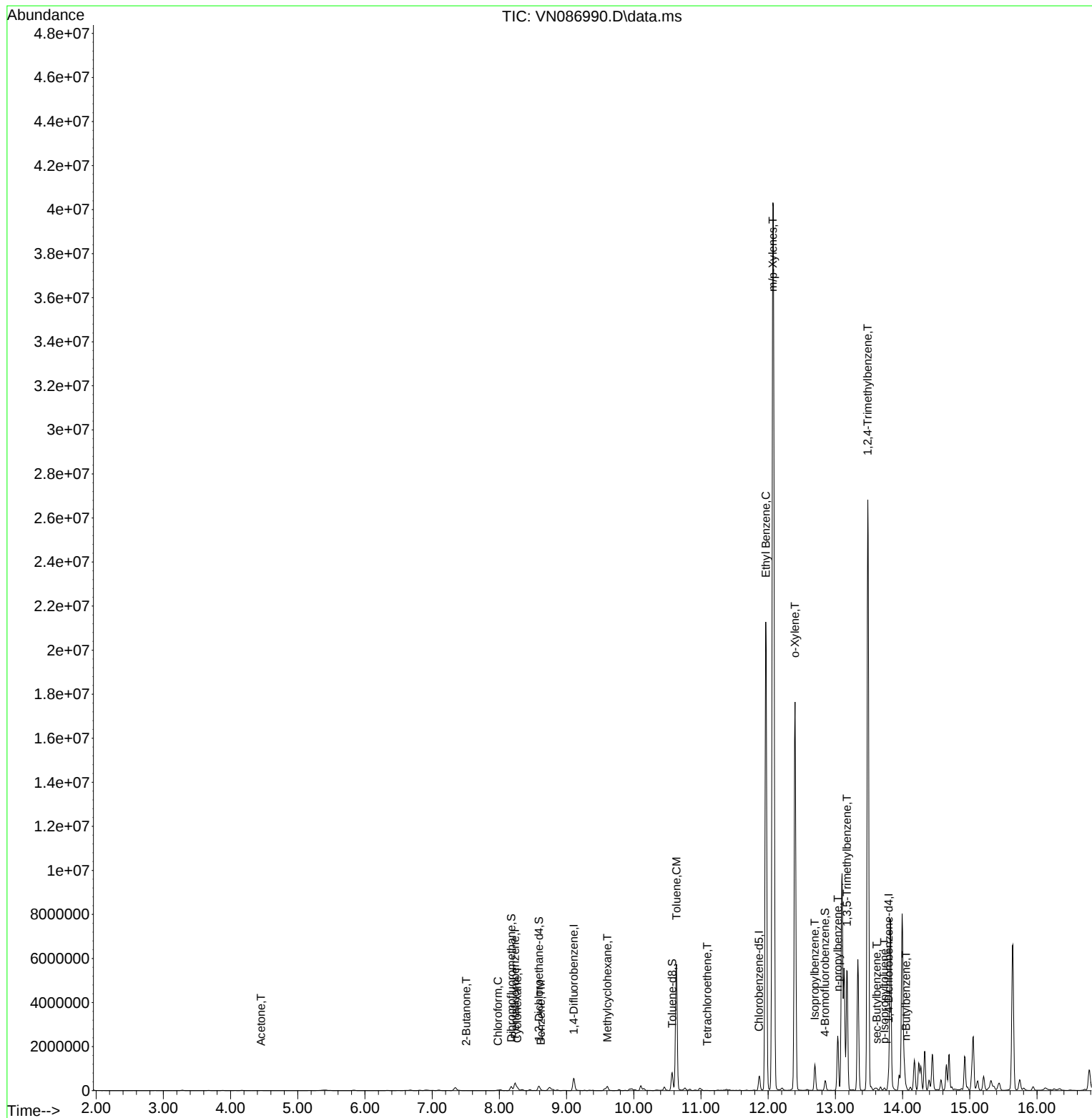
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086990.D
Acq On : 12 Jun 2025 20:04
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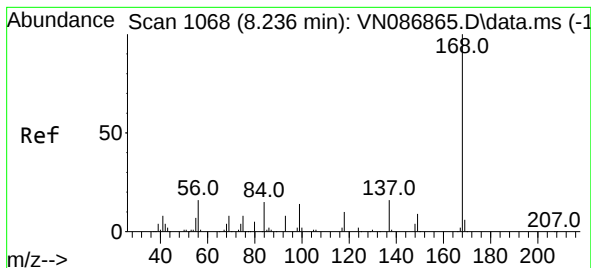
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605

Manual Integrations
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Supervised By : Mahesh Dadoda 06/13/2025

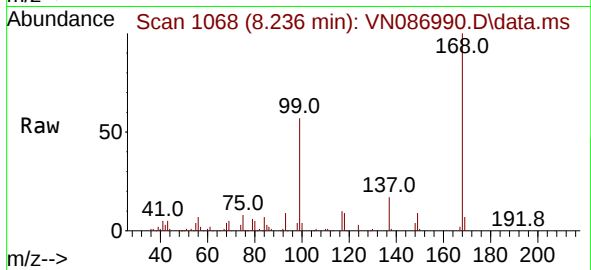
Quant Time: Jun 13 04:04:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

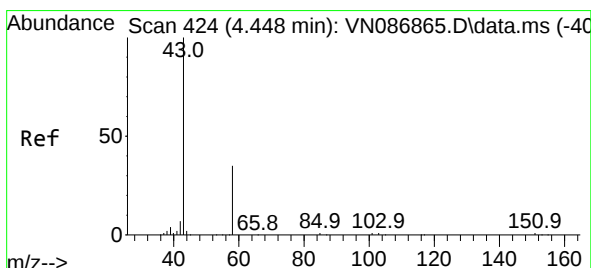
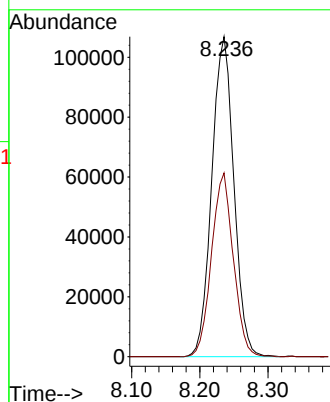
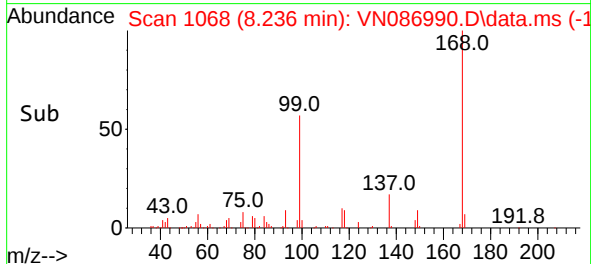
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605



Tgt Ion:168 Resp: 240809
Ion Ratio Lower Upper
168 100
99 57.4 49.1 73.7

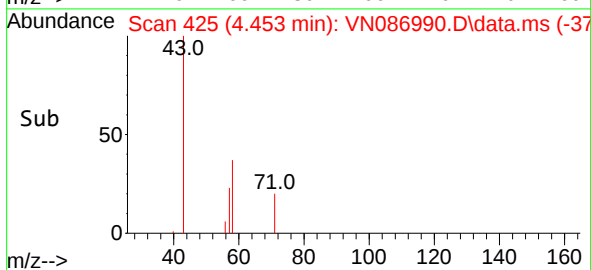
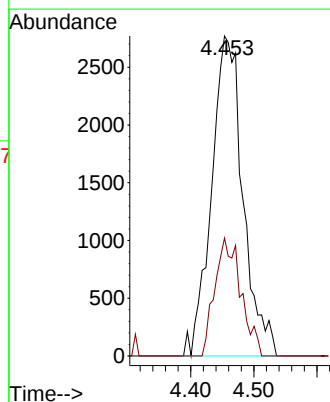
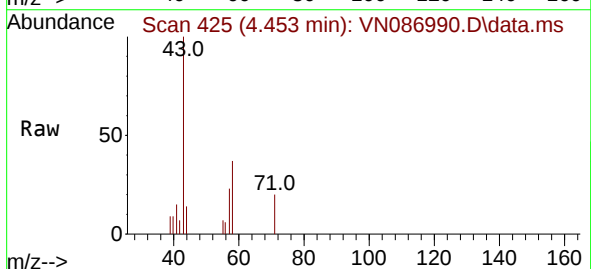
Manual Integrations
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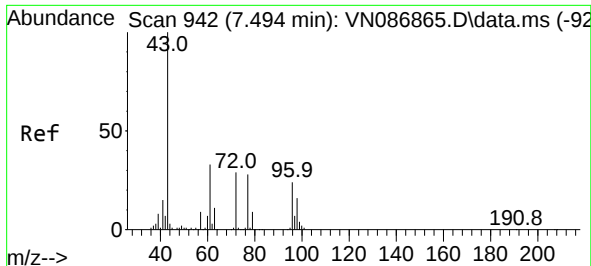
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



#16
Acetone
Concen: 5.604 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

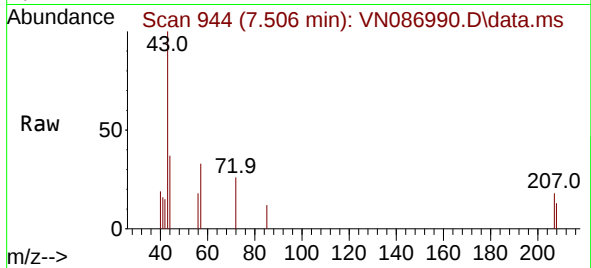
Tgt Ion: 43 Resp: 9581
Ion Ratio Lower Upper
43 100
58 36.8 28.0 42.0





#25
2-Butanone
Concen: 1.511 ug/l
RT: 7.506 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

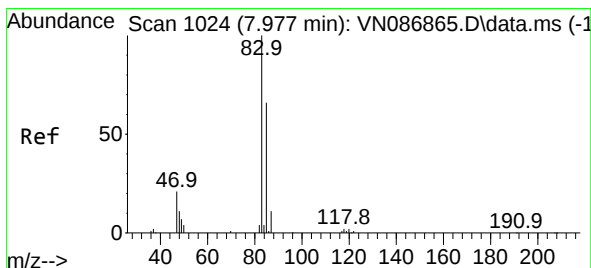
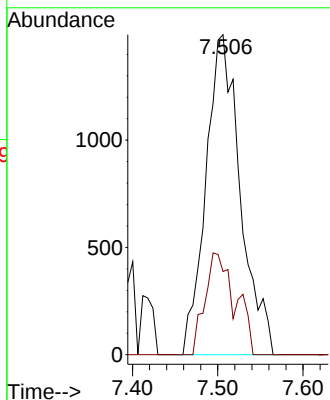
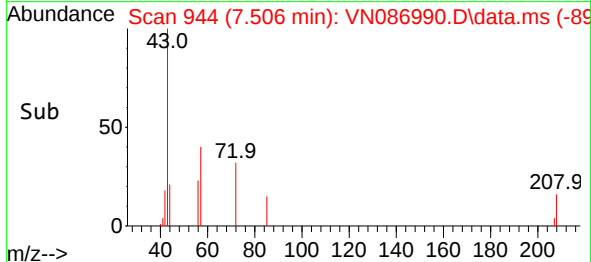
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605



Tgt Ion: 43 Resp: 4199
Ion Ratio Lower Upper
43 100
72 26.0 23.0 34.6

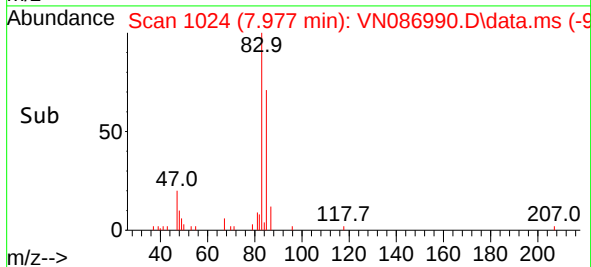
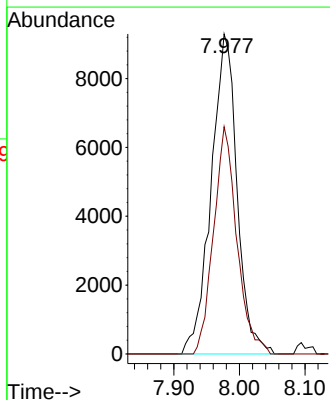
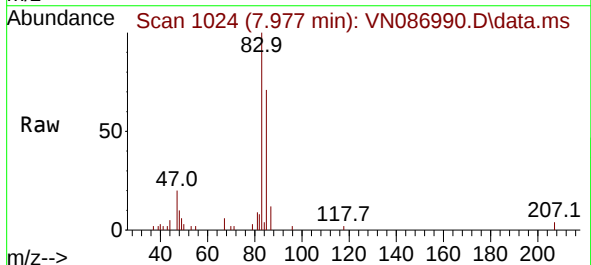
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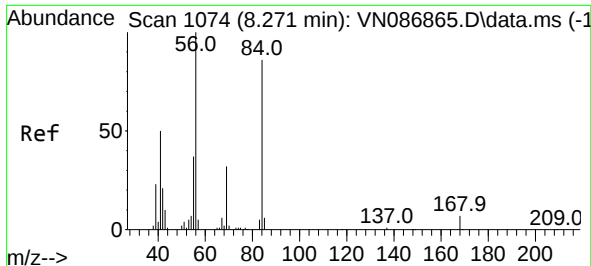
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



#30
Chloroform
Concen: 4.733 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

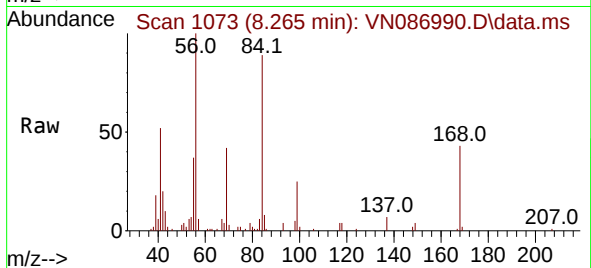
Tgt Ion: 83 Resp: 25487
Ion Ratio Lower Upper
83 100
85 71.0 52.9 79.3





#31
Cyclohexane
Concen: 15.868 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.006 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

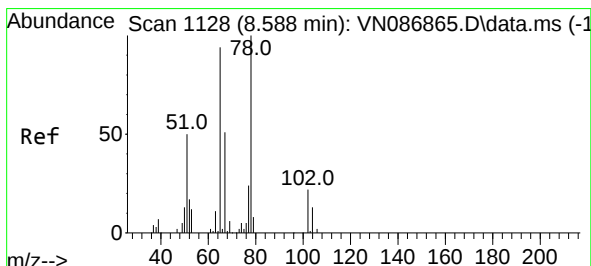
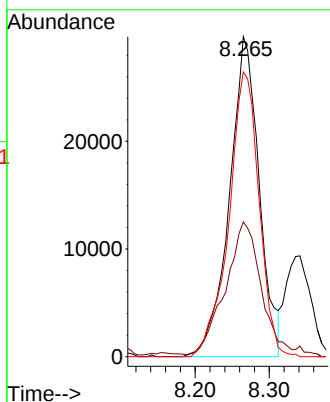
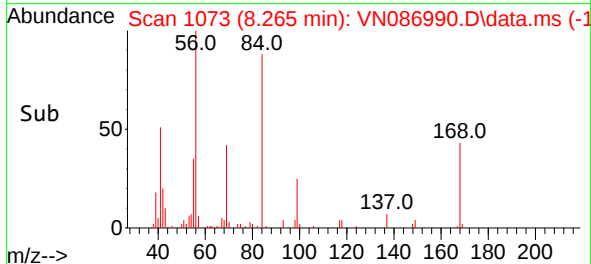
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605



Tgt Ion: 56 Resp: 82970
Ion Ratio Lower Upper
56 100
69 41.2 25.4 38.0
84 89.0 68.8 103.2

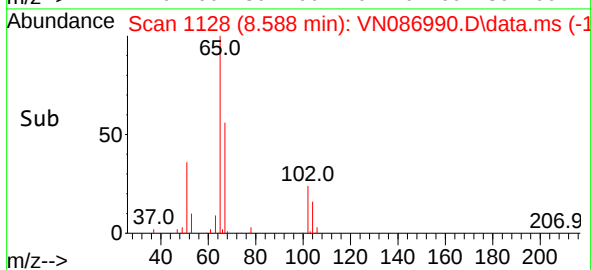
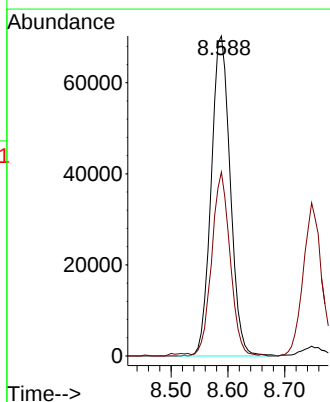
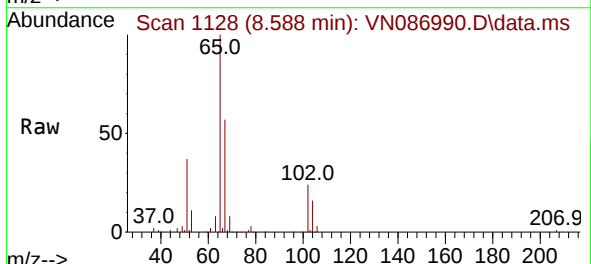
Manual Integrations
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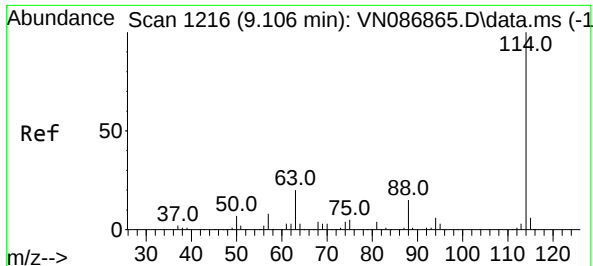
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



#33
1,2-Dichloroethane-d4
Concen: 50.739 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

Tgt Ion: 65 Resp: 163592
Ion Ratio Lower Upper
65 100
67 55.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086990.D

Acq: 12 Jun 2025 20:04

Instrument :

MSVOA_N

ClientSampleId :

MW-3-20250605

Tgt Ion:114 Resp: 47234

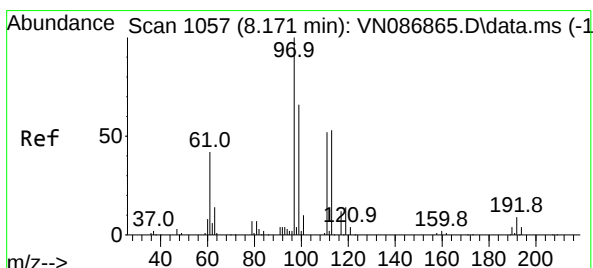
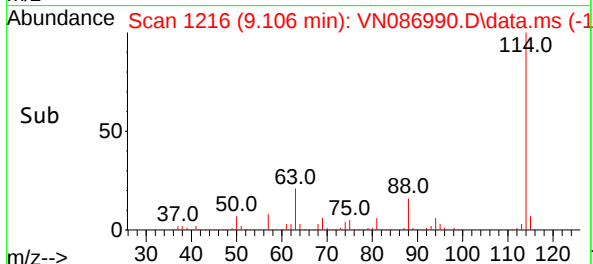
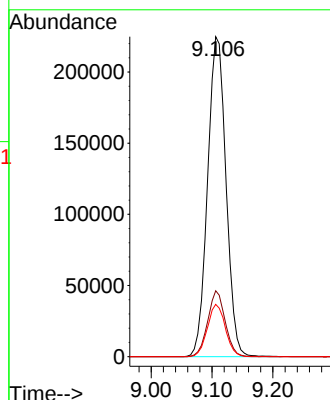
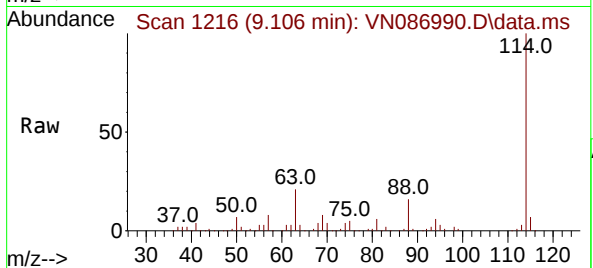
Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	16.3	0.0	30.2

Manual Integrations

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Supervised By :Mahesh Dadoda 06/13/2025



#35

Dibromofluoromethane

Concen: 50.195 ug/l

RT: 8.177 min Scan# 1058

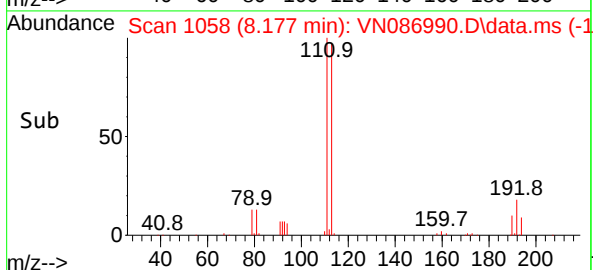
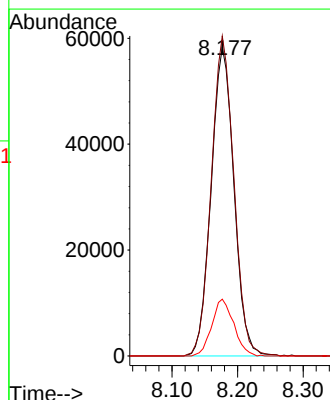
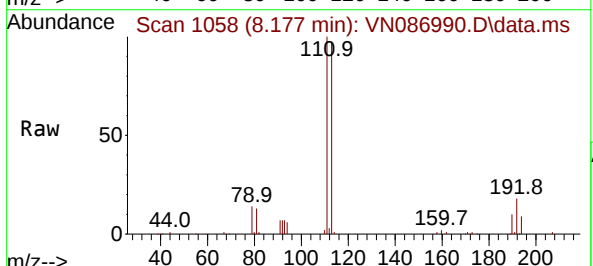
Delta R.T. 0.006 min

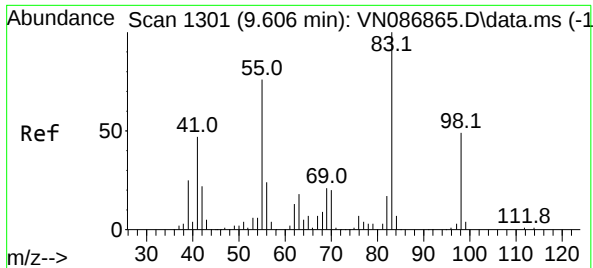
Lab File: VN086990.D

Acq: 12 Jun 2025 20:04

Tgt Ion:113 Resp: 140505

Ion	Ratio	Lower	Upper
113	100		
111	102.4	84.2	126.2
192	17.7	14.2	21.4





#39

Methylcyclohexane

Concen: 15.899 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086990.D

Acq: 12 Jun 2025 20:04

Instrument :

MSVOA_N

ClientSampleId :

MW-3-20250605

Tgt Ion: 83 Resp: 9085

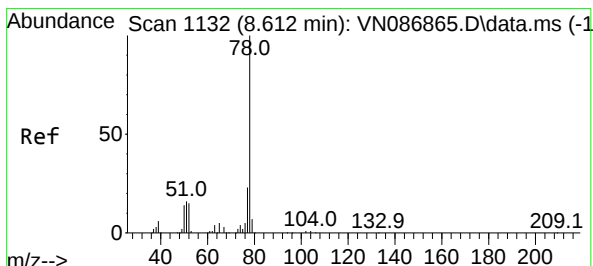
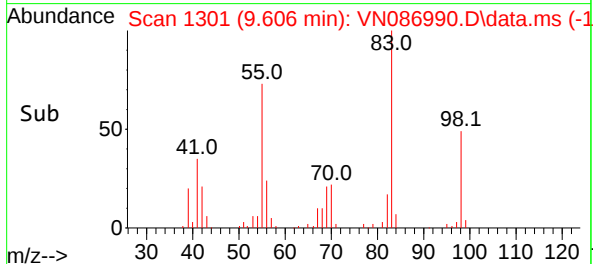
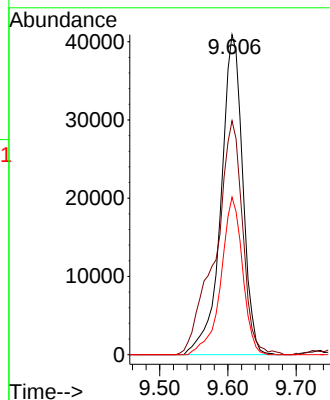
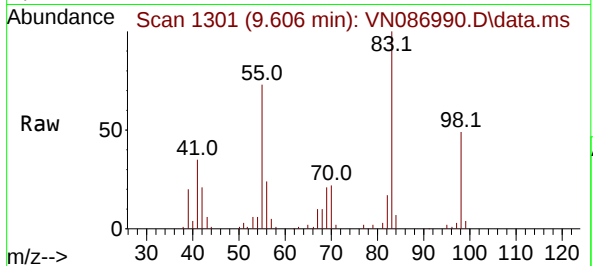
Ion	Ratio	Lower	Upper
83	100		
55	72.6	61.0	91.6
98	49.2	38.9	58.3

Manual Integrations

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Supervised By :Mahesh Dadoda 06/13/2025



#40

Benzene

Concen: 1.762 ug/l

RT: 8.618 min Scan# 1133

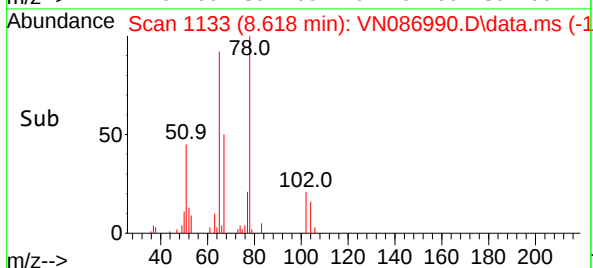
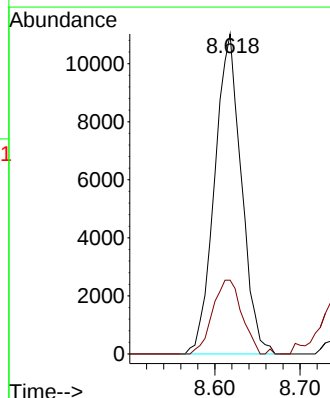
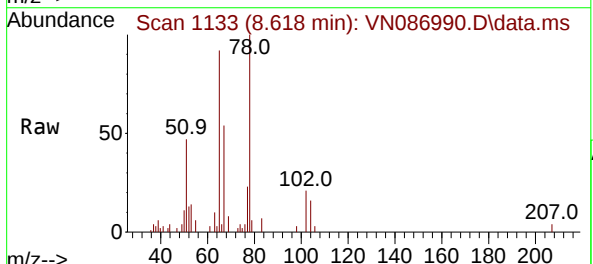
Delta R.T. 0.006 min

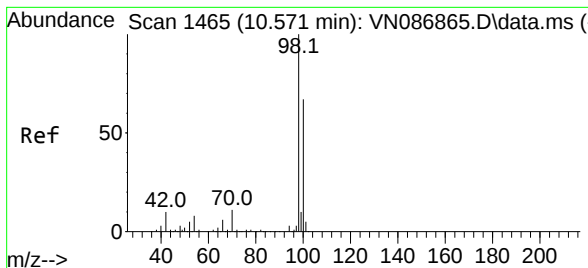
Lab File: VN086990.D

Acq: 12 Jun 2025 20:04

Tgt Ion: 78 Resp: 24034

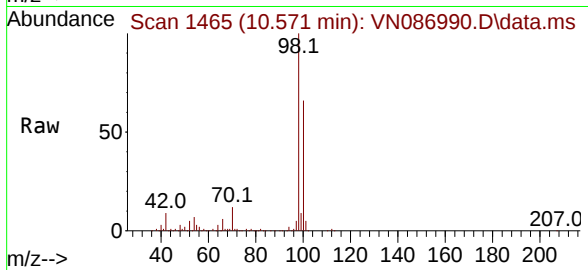
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





#50
Toluene-d8
Concen: 52.034 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

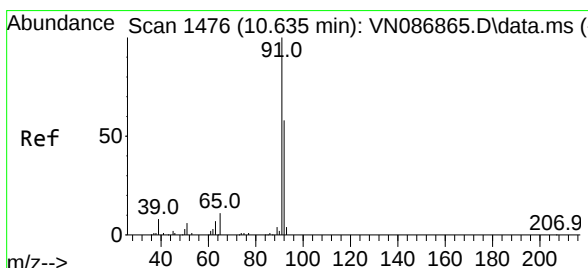
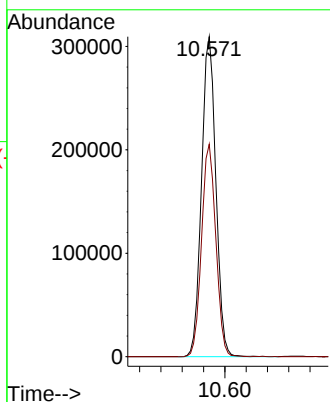
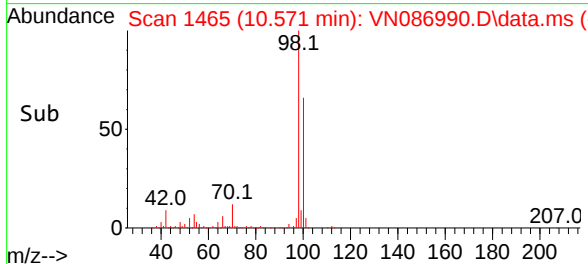
Instrument :
MSVOA_N
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MW-3-20250605



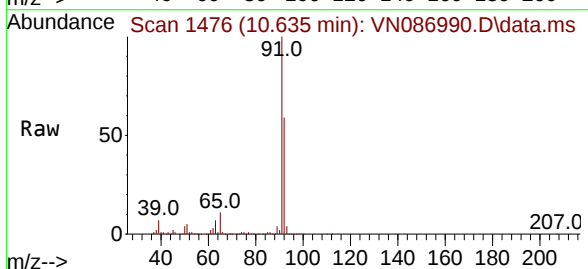
Tgt Ion: 98 Resp: 576609
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0

Manual Integrations
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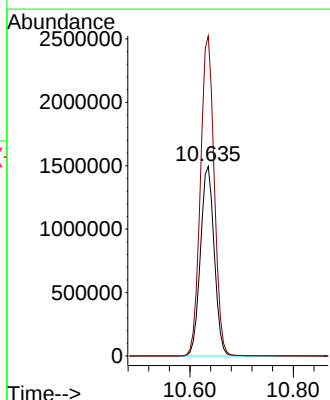
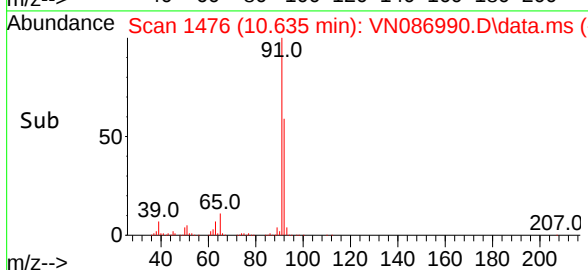
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

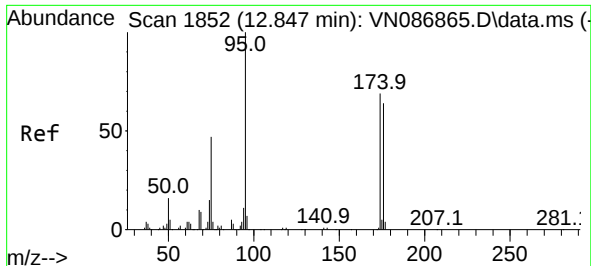


#52
Toluene
Concen: 332.283 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04



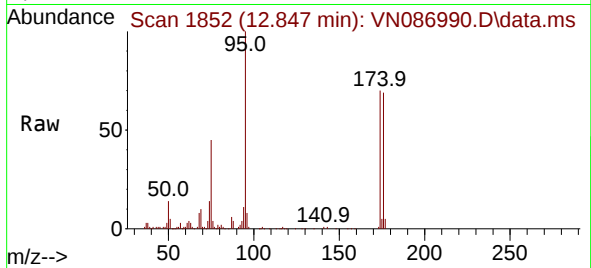
Tgt Ion: 92 Resp: 2769765
Ion Ratio Lower Upper
92 100
91 168.8 136.5 204.7





#62
4-Bromofluorobenzene
Concen: 44.543 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

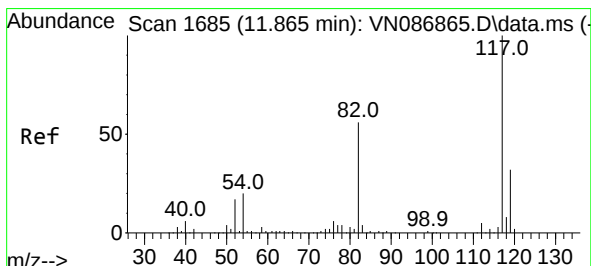
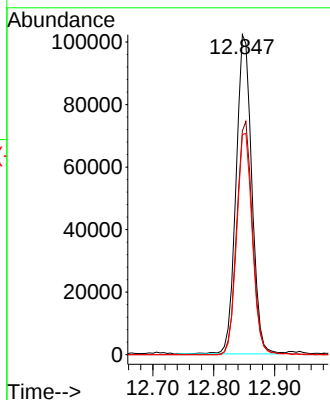
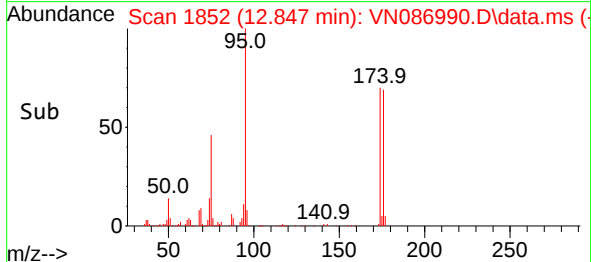
Instrument :
MSVOA_N
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MW-3-20250605



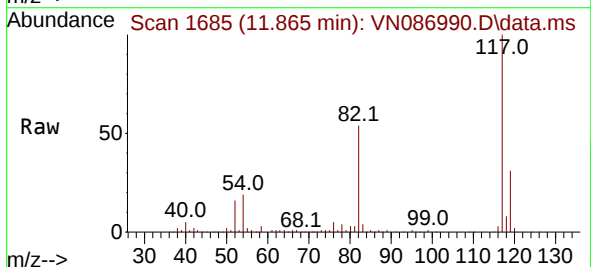
Tgt Ion: 95 Resp: 18338
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.8
176 68.8 0.0 132.6

Manual Integrations
APPROVED

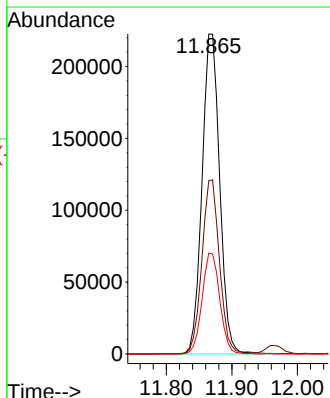
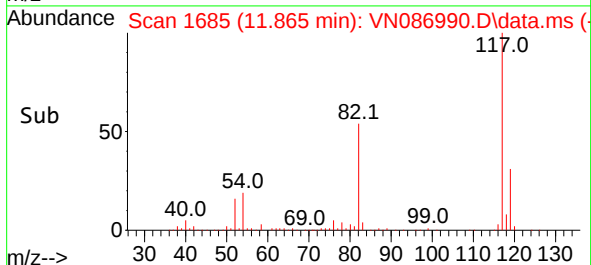
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

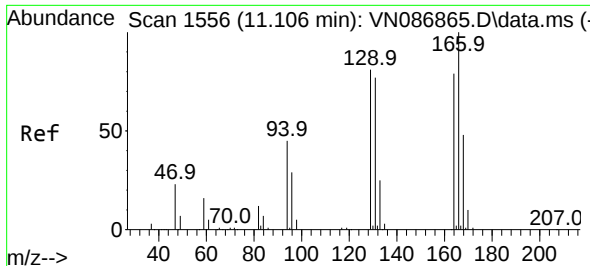


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04



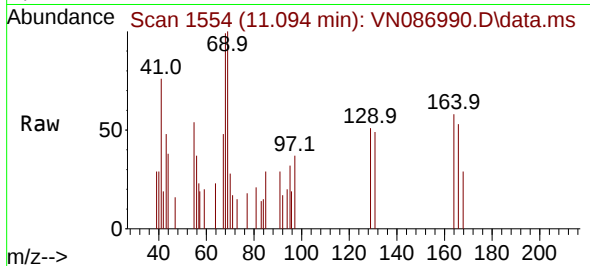
Tgt Ion:117 Resp: 416914
Ion Ratio Lower Upper
117 100
82 54.1 44.6 67.0
119 31.5 25.5 38.3





#64
Tetrachloroethene
Concen: 0.492 ug/l
RT: 11.094 min Scan# 1554
Delta R.T. -0.012 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

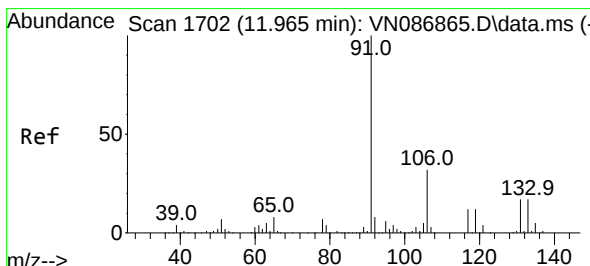
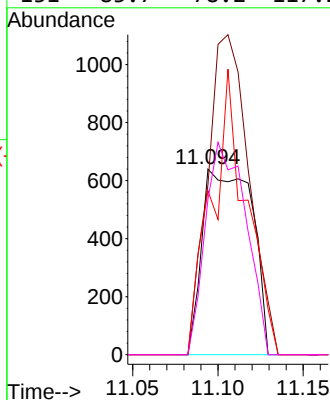
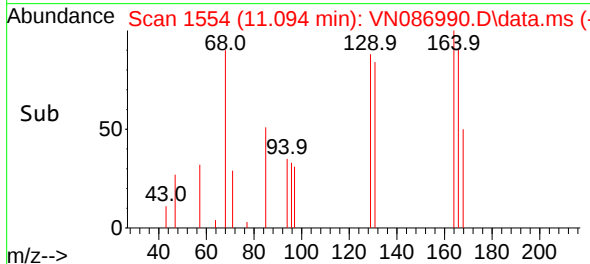
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605



Tgt Ion:164 Resp: 129
Ion Ratio Lower Upper
164 100
166 91.4 101.8 152.8
129 88.3 83.0 124.4
131 83.7 78.2 117.2

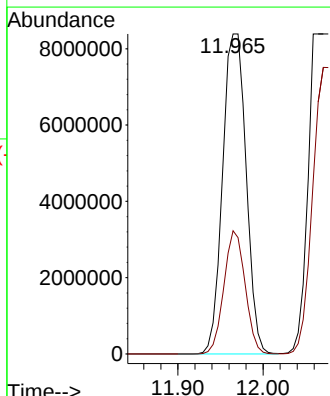
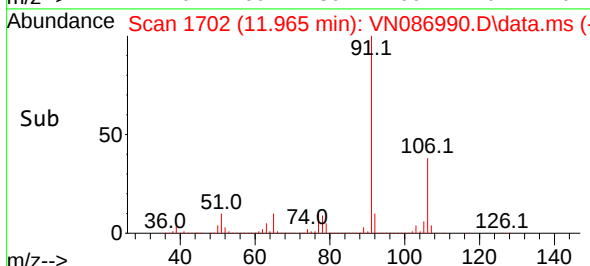
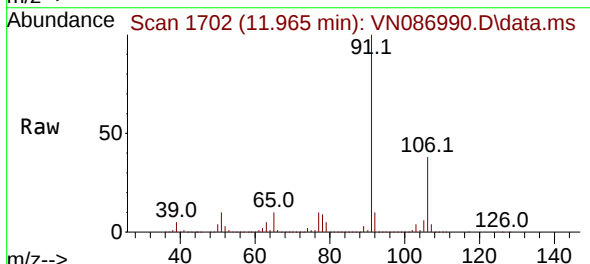
Manual Integrations
APPROVED

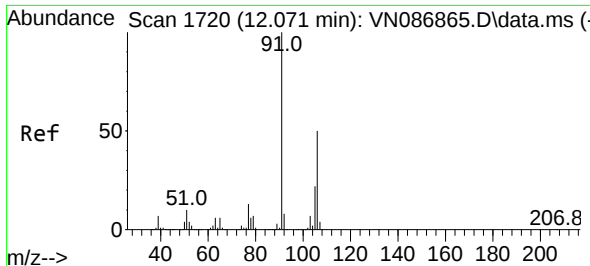
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



#67
Ethyl Benzene
Concen: 1018.743 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

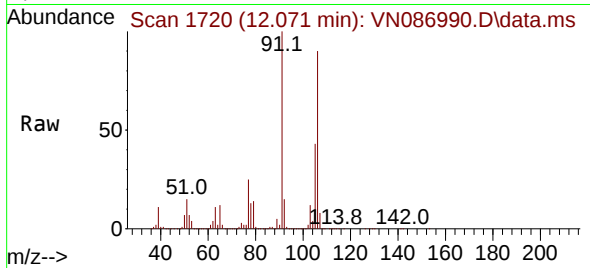
Tgt Ion: 91 Resp:16135410
Ion Ratio Lower Upper
91 100
106 38.5 25.4 38.2#





#68
m/p-Xylenes
Concen: 2692.071 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

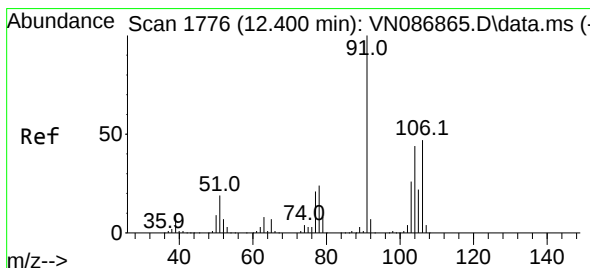
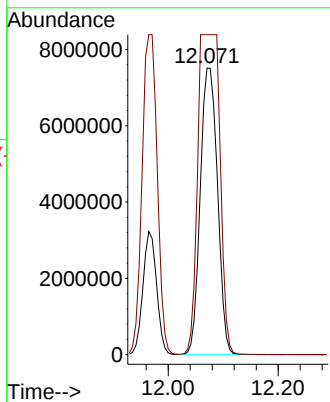
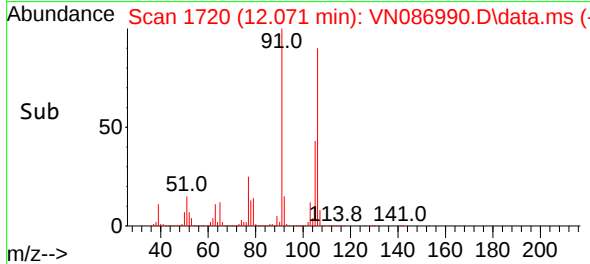
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605



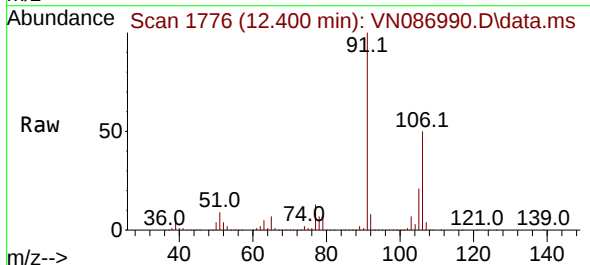
Tgt Ion:106 Resp:1632200
Ion Ratio Lower Upper
106 100
91 0.0 159.4 239.0

Manual Integrations
APPROVED

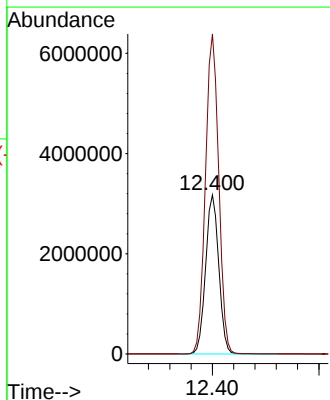
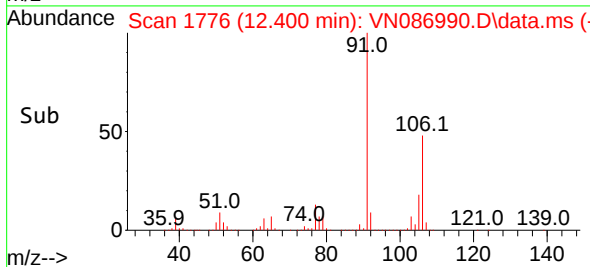
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

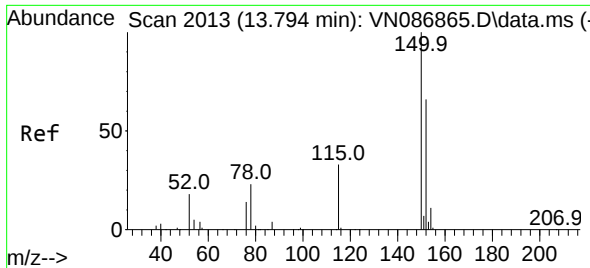


#69
o-Xylene
Concen: 935.959 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04



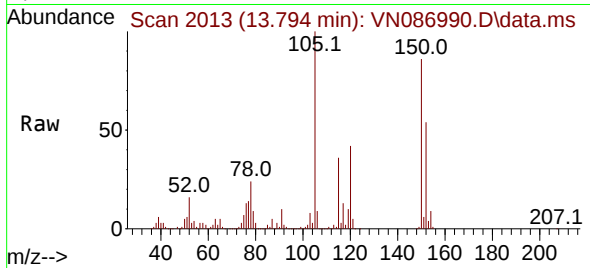
Tgt Ion:106 Resp: 5434901
Ion Ratio Lower Upper
106 100
91 203.3 106.1 318.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

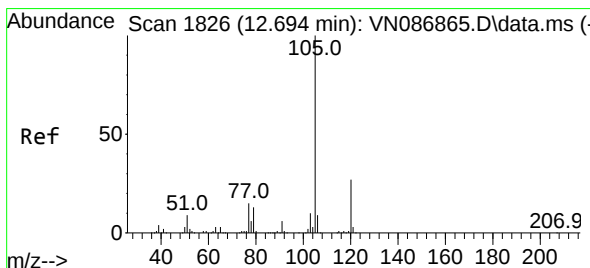
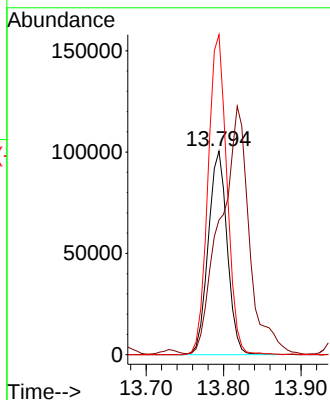
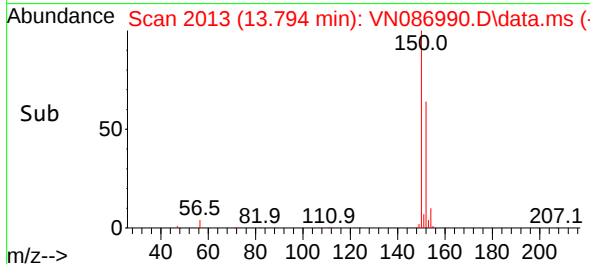
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605



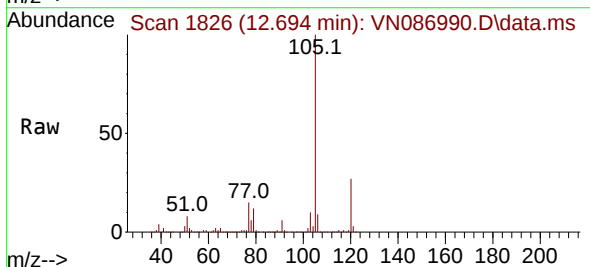
Tgt Ion:152 Resp: 170552
Ion Ratio Lower Upper
152 100
115 0.0 30.1 90.5
150 157.0 0.0 345.0

Manual Integrations
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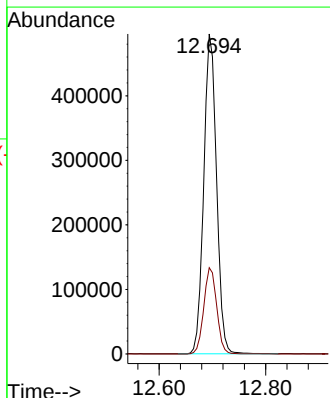
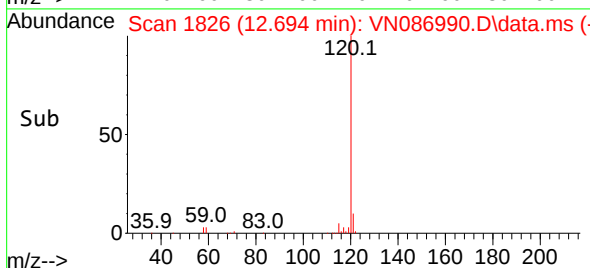
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

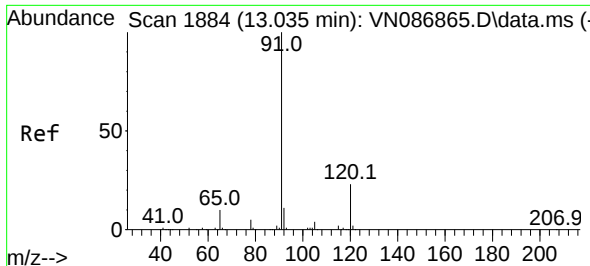


#73
Isopropylbenzene
Concen: 66.324 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04



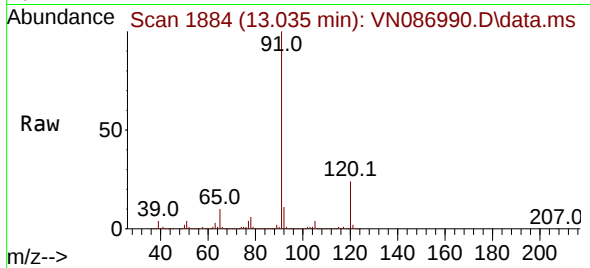
Tgt Ion:105 Resp: 824068
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.4





#78
n-propylbenzene
Concen: 138.829 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

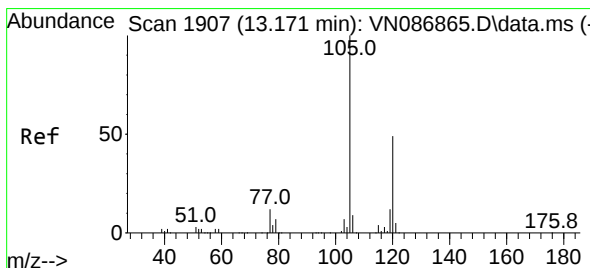
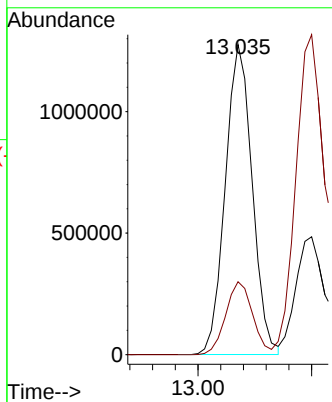
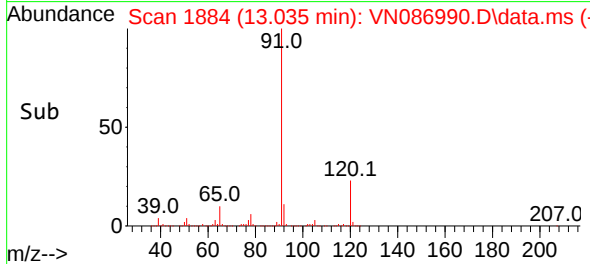
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605



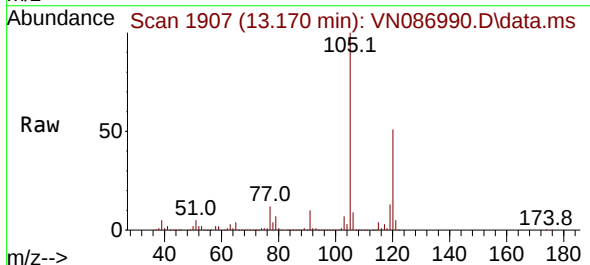
Tgt Ion: 91 Resp: 2096250
Ion Ratio Lower Upper
91 100
120 23.6 11.4 34.2

Manual Integrations
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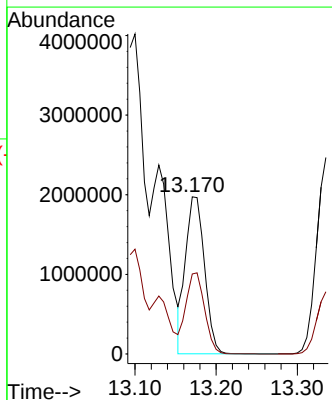
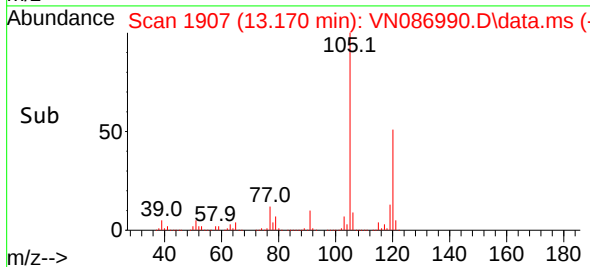
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

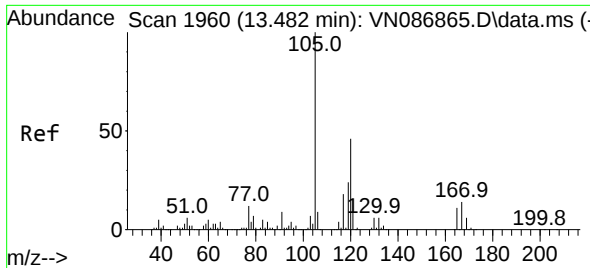


#80
1,3,5-Trimethylbenzene
Concen: 313.725 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04



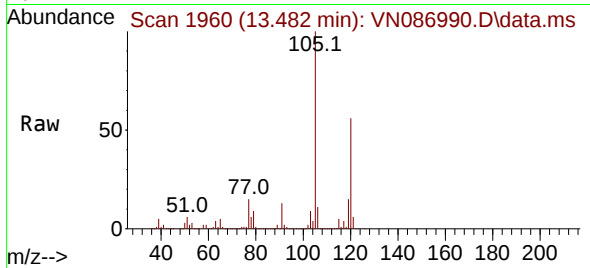
Tgt Ion:105 Resp: 3218251
Ion Ratio Lower Upper
105 100
120 50.9 24.9 74.6





#84
1,2,4-Trimethylbenzene
Concen: 1519.862 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

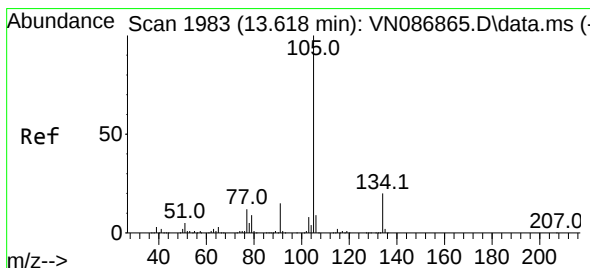
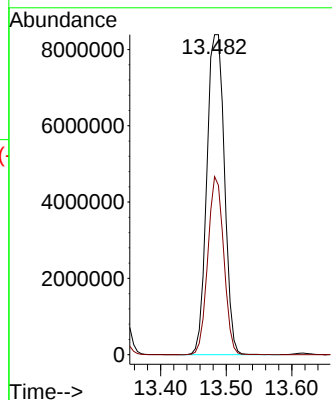
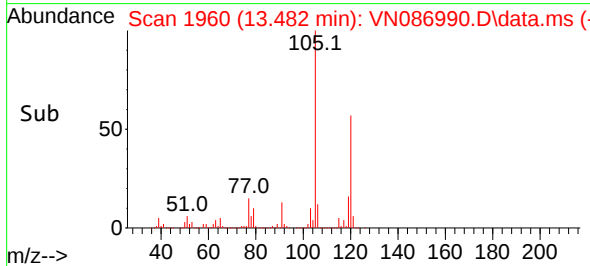
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605



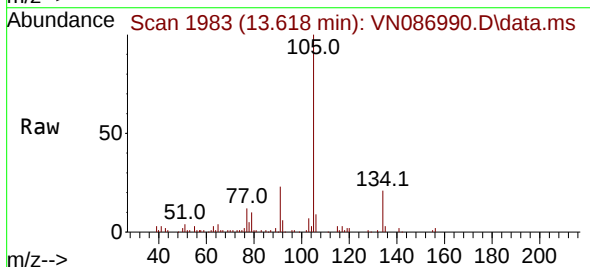
Tgt Ion:105 Resp:1563415
Ion Ratio Lower Upper
105 100
120 50.5 23.2 69.6

Manual Integrations
APPROVED

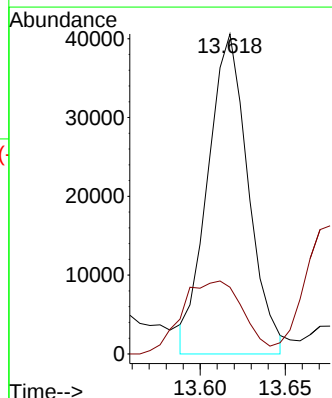
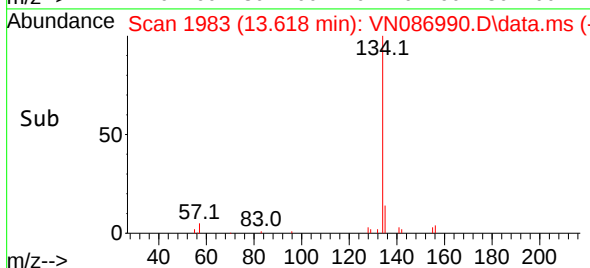
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

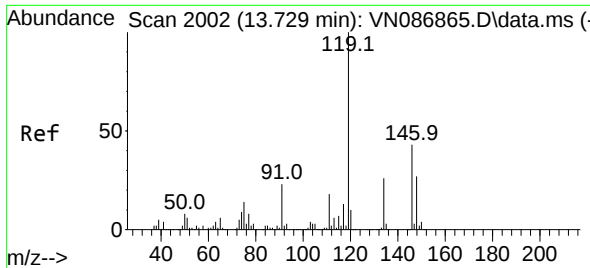


#85
sec-Butylbenzene
Concen: 4.932 ug/l m
RT: 13.618 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04



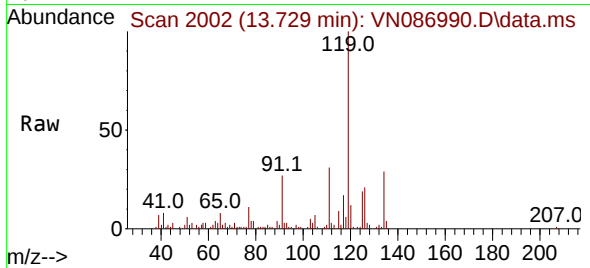
Tgt Ion:105 Resp: 67252
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#





#86
p-Isopropyltoluene
Concen: 3.990 ug/l m
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04

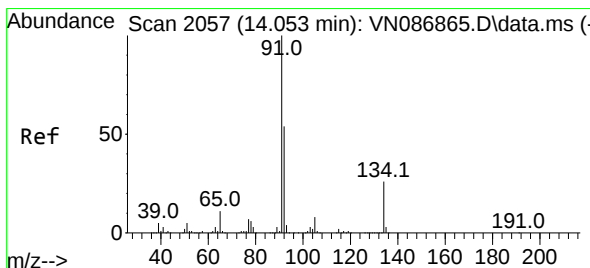
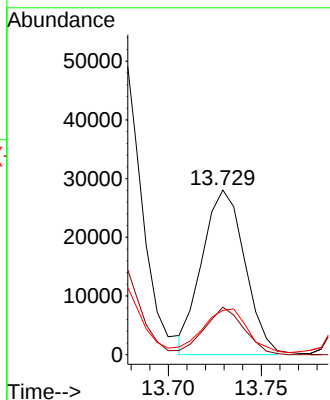
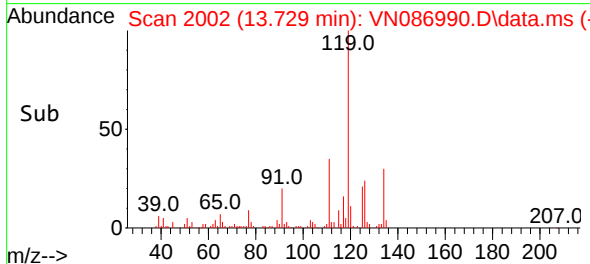
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605



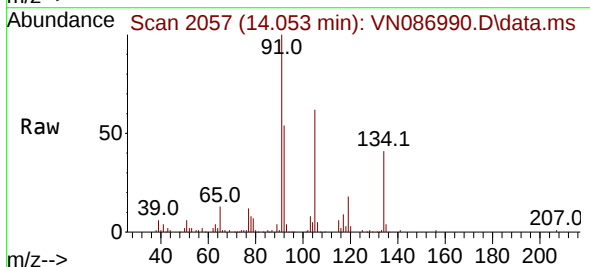
Tgt Ion:119 Resp: 4498
Ion Ratio Lower Upper
119 100
134 58.1 13.5 40.4#
91 0.0 11.5 34.4#

Manual Integrations
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Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



#89
n-Butylbenzene
Concen: 6.992 ug/l m
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086990.D
Acq: 12 Jun 2025 20:04



Tgt Ion: 91 Resp: 76337
Ion Ratio Lower Upper
91 100
92 132.2 27.5 82.4#
134 0.0 13.0 39.0#

