

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087011.D
 Acq On : 13 Jun 2025 18:46
 Operator : JC\MD
 Sample : Q2268-06DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2-20250605-ADL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/16/2025
 Supervised By : Mahesh Dadoda 06/16/2025

Quant Time: Jun 14 00:33:33 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	277353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	545405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	483679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	232571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	191546	51.582	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.160%			
35) Dibromofluoromethane	8.177	113	163376	50.546	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.100%			
50) Toluene-d8	10.571	98	667651	52.179	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.360%			
62) 4-Bromofluorobenzene	12.847	95	239209	50.319	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.640%			
Target Compounds						
					Qvalue	
31) Cyclohexane	8.259	56	23921	3.972	ug/l #	93
39) Methylcyclohexane	9.606	83	20898	3.167	ug/l	93
40) Benzene	8.618	78	122081	7.751	ug/l	98
52) Toluene	10.630	92	6229	0.647	ug/l	96
67) Ethyl Benzene	11.965	91	515102	28.033	ug/l	98
68) m/p-Xylenes	12.076	106	243957	34.683	ug/l	100
73) Isopropylbenzene	12.694	105	48473	2.861	ug/l	98
78) n-propylbenzene	13.035	91	118108	5.736	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	74893	5.354	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	270695	19.298	ug/l	99
85) sec-Butylbenzene	13.618	105	7025m	0.378	ug/l	
89) n-Butylbenzene	14.059	91	8671	0.582	ug/l #	84

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

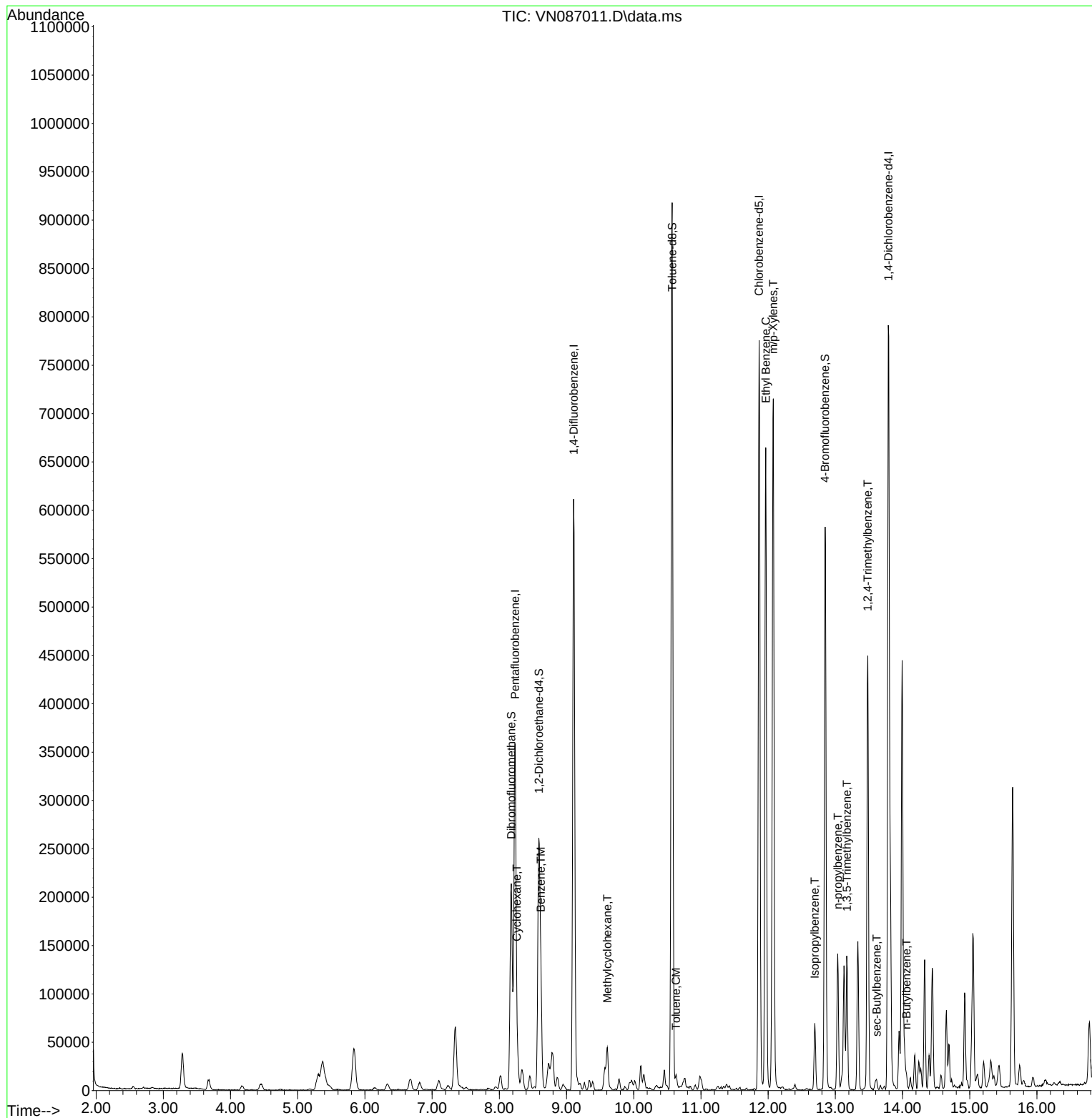
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087011.D
Acq On : 13 Jun 2025 18:46
Operator : JC\MD
Sample : Q2268-06DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

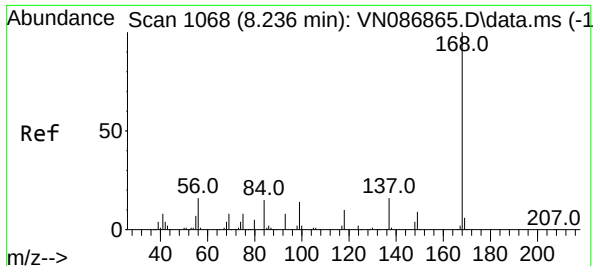
Instrument :
MSVOA_N
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MW-2-20250605-ADL

Quant Time: Jun 14 00:33:33 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

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APPROVED

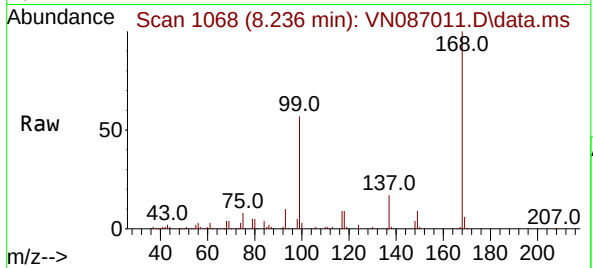
Reviewed By : John Carlone 06/16/2025
Supervised By : Mahesh Dadoda 06/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

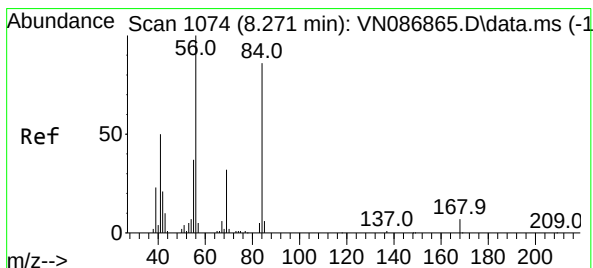
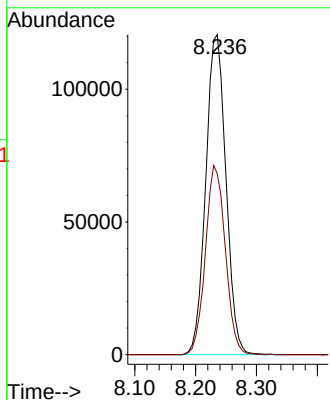
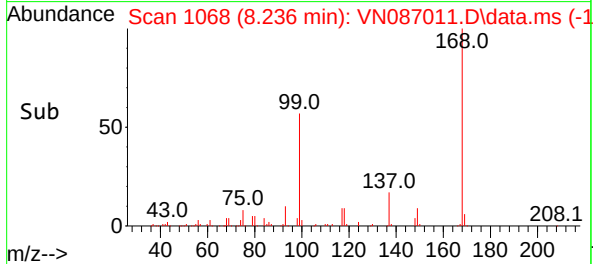
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-ADL



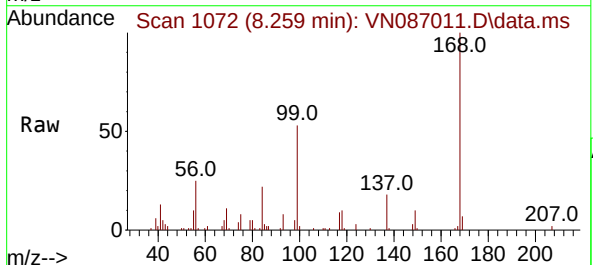
Tgt Ion:168 Resp: 27735
Ion Ratio Lower Upper
168 100
99 56.6 49.1 73.7

Manual Integrations
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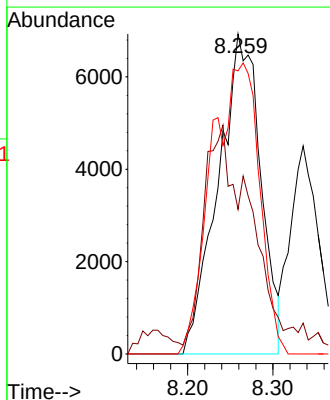
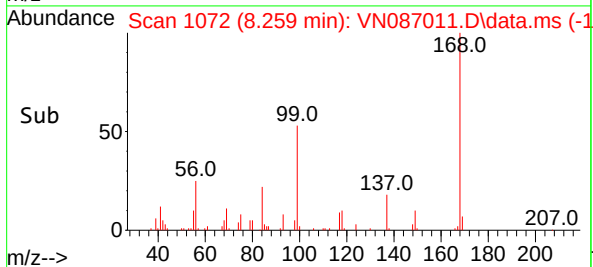
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

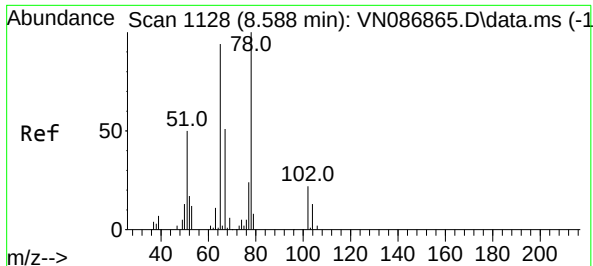


#31
Cyclohexane
Concen: 3.972 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.012 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46



Tgt Ion: 56 Resp: 23921
Ion Ratio Lower Upper
56 100
69 41.7 25.4 38.0#
84 88.5 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 51.582 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087011.D

Acq: 13 Jun 2025 18:46

Instrument :

MSVOA_N

ClientSampleId :

MW-2-20250605-ADL

Tgt Ion: 65 Resp: 191540

Ion Ratio Lower Upper

65 100

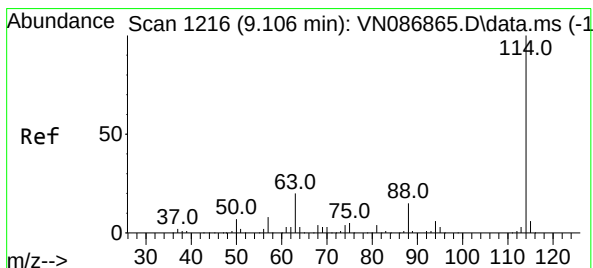
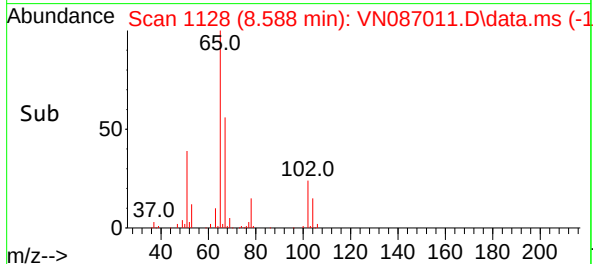
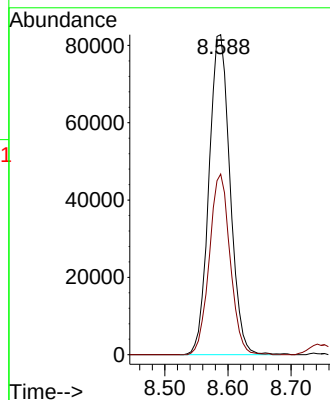
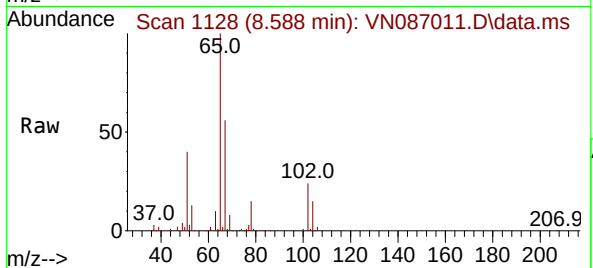
67 55.7 0.0 105.6

Manual Integrations

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Supervised By :Mahesh Dadoda 06/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087011.D

Acq: 13 Jun 2025 18:46

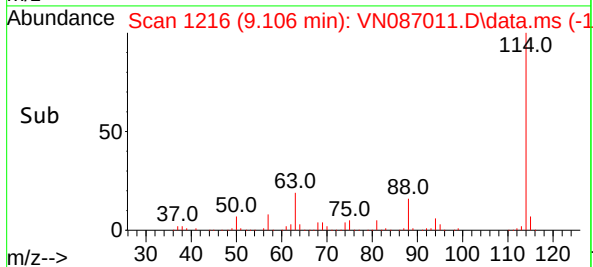
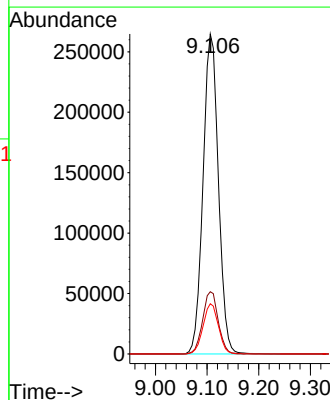
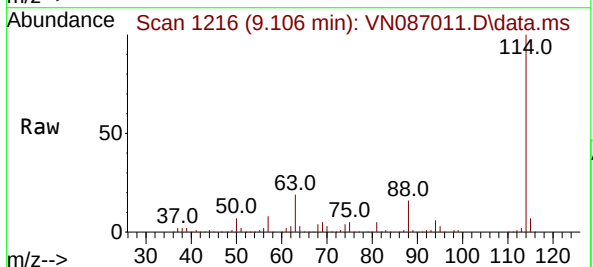
Tgt Ion:114 Resp: 545405

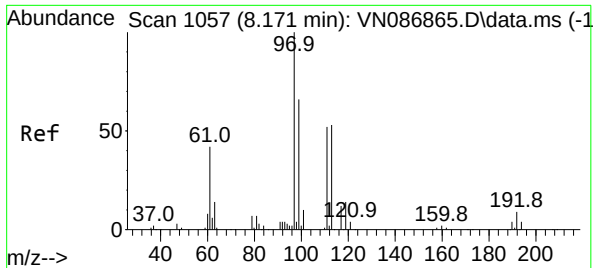
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

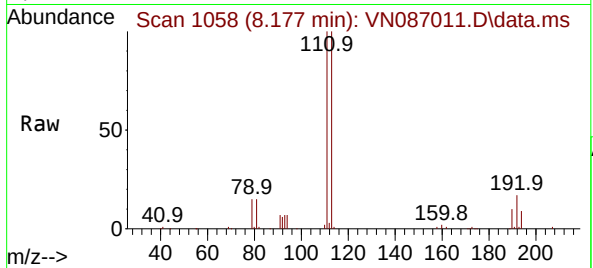
88 15.7 0.0 30.2





#35
Dibromofluoromethane
Concen: 50.546 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

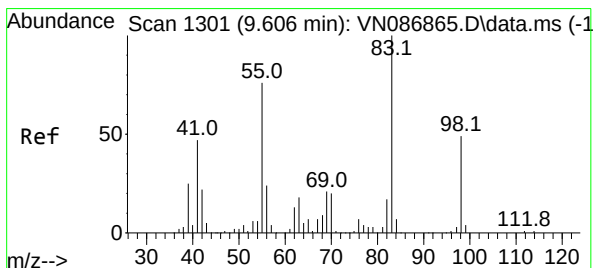
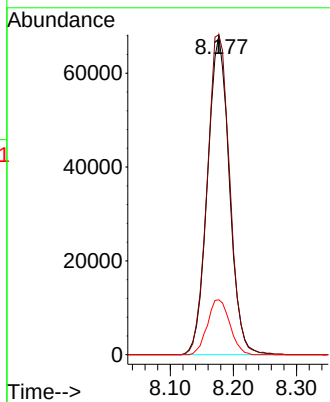
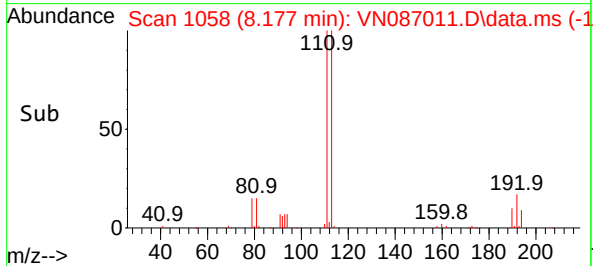
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-ADL



Tgt Ion: 113 Resp: 163370
Ion Ratio Lower Upper
113 100
111 103.4 84.2 126.2
192 17.6 14.2 21.4

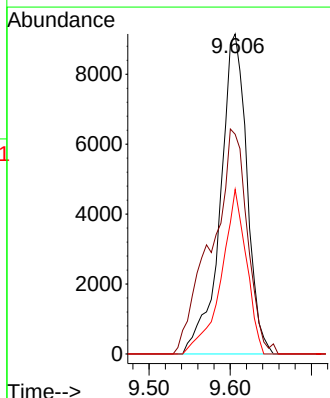
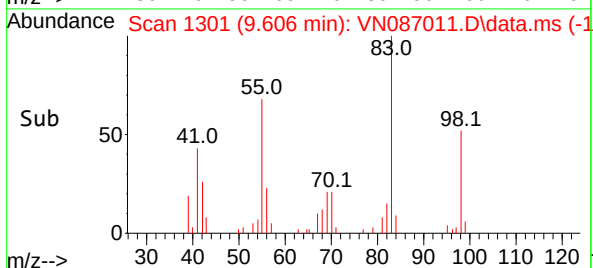
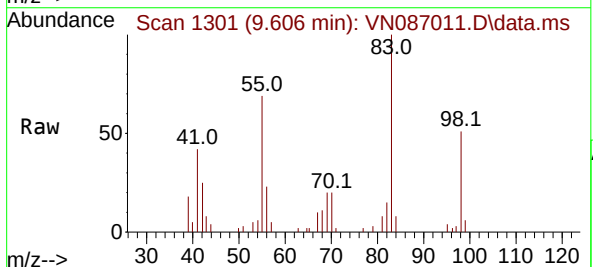
Manual Integrations
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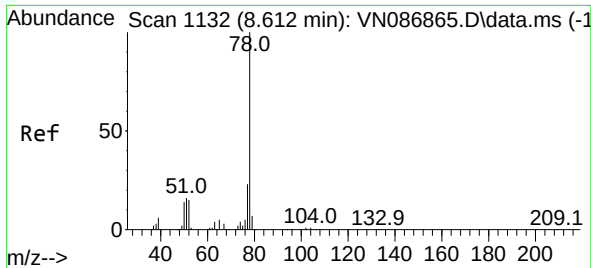
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#39
Methylcyclohexane
Concen: 3.167 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

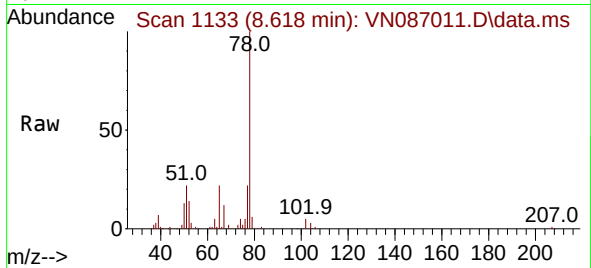
Tgt Ion: 83 Resp: 20898
Ion Ratio Lower Upper
83 100
55 68.6 61.0 91.6
98 51.4 38.9 58.3





#40
Benzene
Concen: 7.751 ug/l
RT: 8.618 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

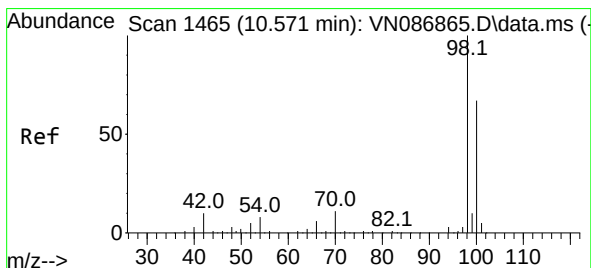
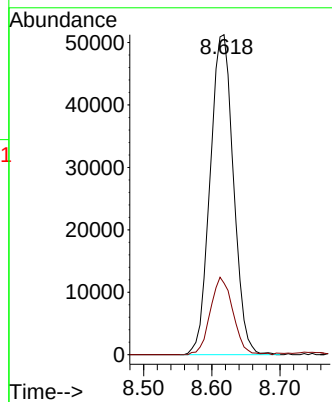
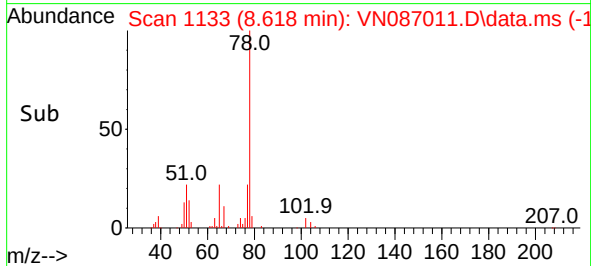
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-ADL



Tgt Ion: 78 Resp: 12208
Ion Ratio Lower Upper
78 100
77 22.4 18.7 28.1

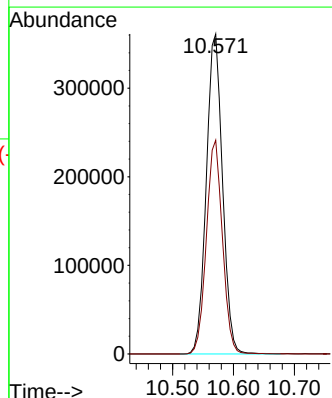
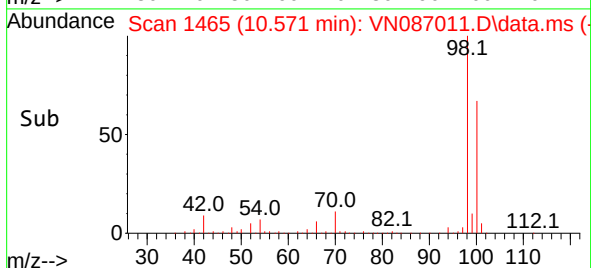
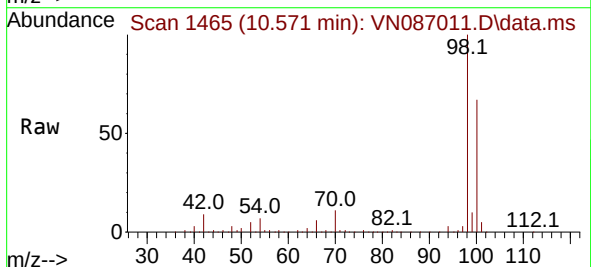
Manual Integrations
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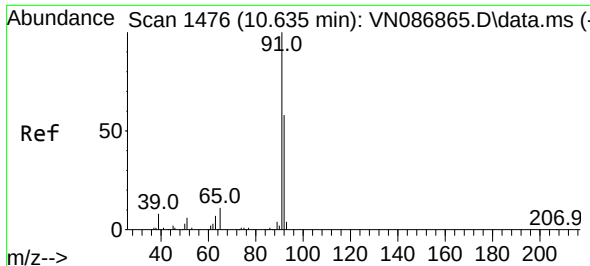
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#50
Toluene-d8
Concen: 52.179 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

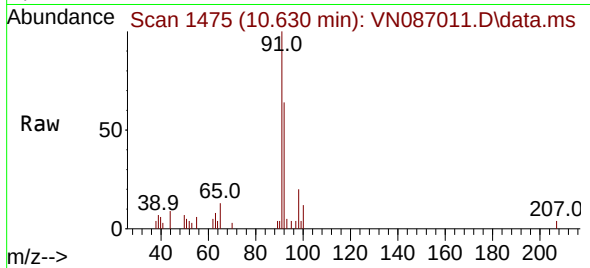
Tgt Ion: 98 Resp: 667651
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0





#52
Toluene
Concen: 0.647 ug/l
RT: 10.630 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

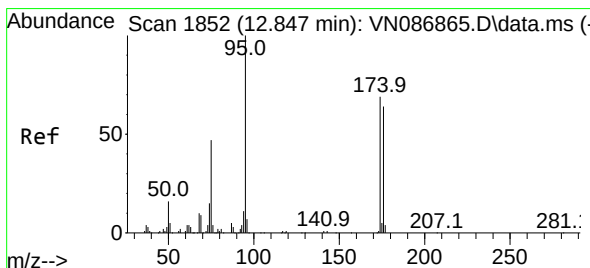
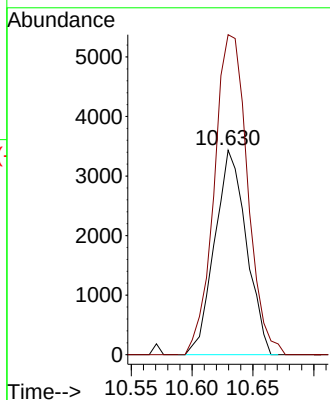
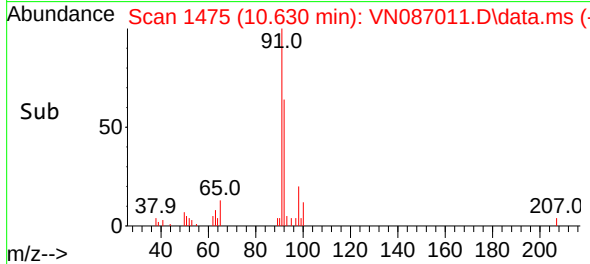
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-ADL



Tgt Ion: 92 Resp: 6229
Ion Ratio Lower Upper
92 100
91 164.6 136.5 204.7

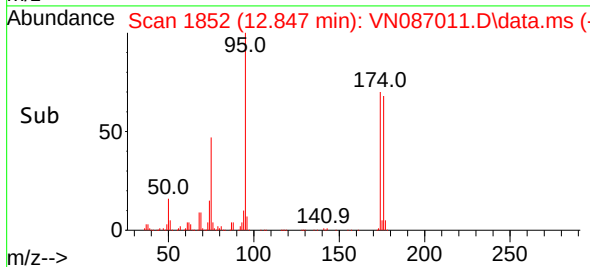
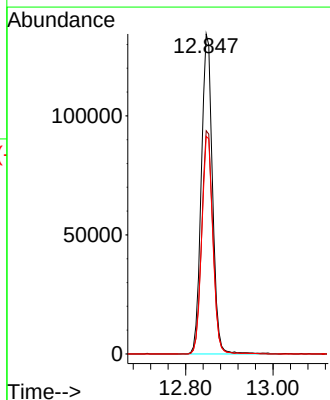
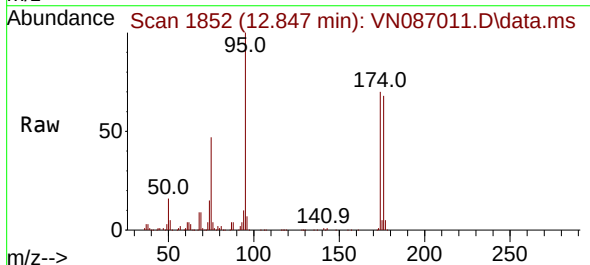
Manual Integrations
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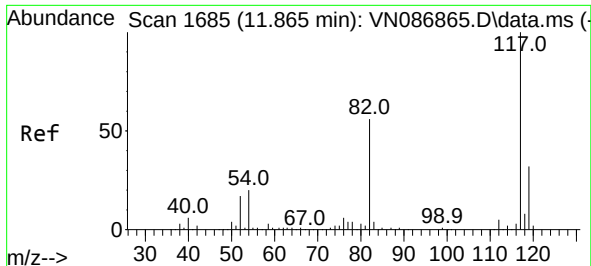
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#62
4-Bromofluorobenzene
Concen: 50.319 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

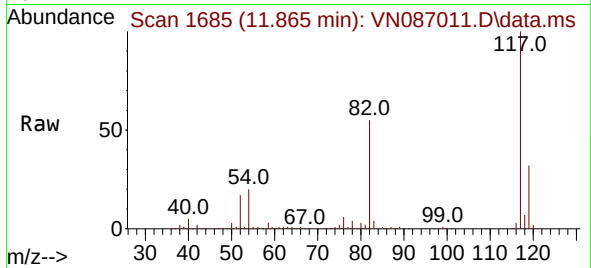
Tgt Ion: 95 Resp: 239209
Ion Ratio Lower Upper
95 100
174 69.7 0.0 141.8
176 67.5 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

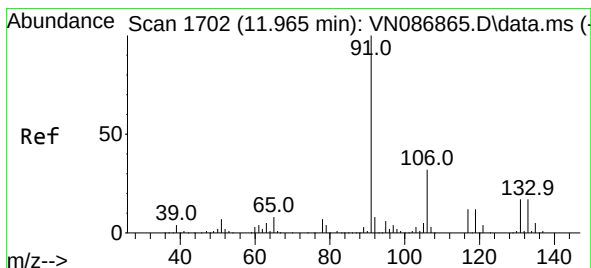
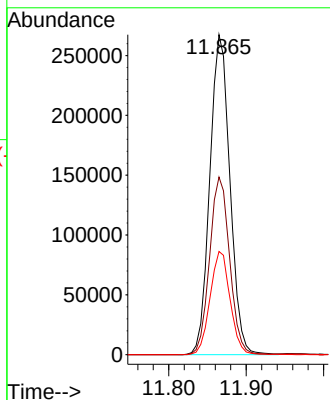
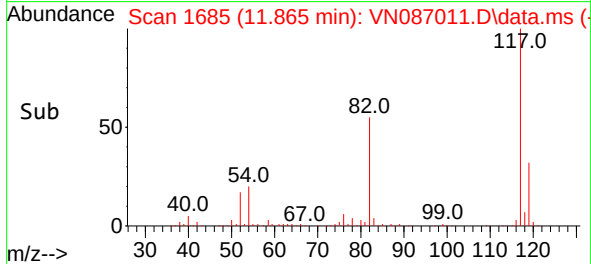
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-ADL



Tgt Ion: 117 Resp: 483679
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 32.3 25.5 38.3

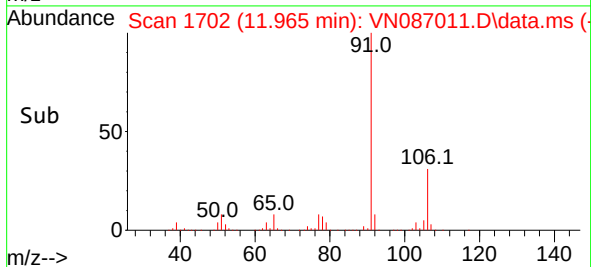
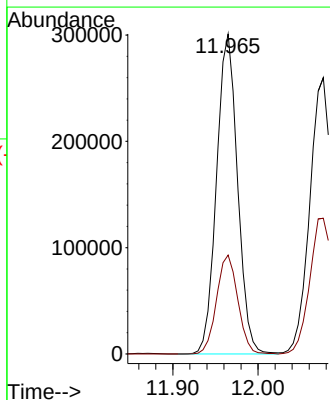
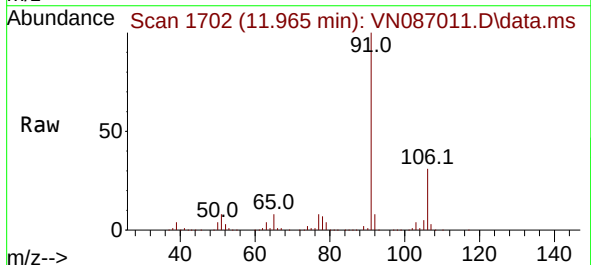
Manual Integrations
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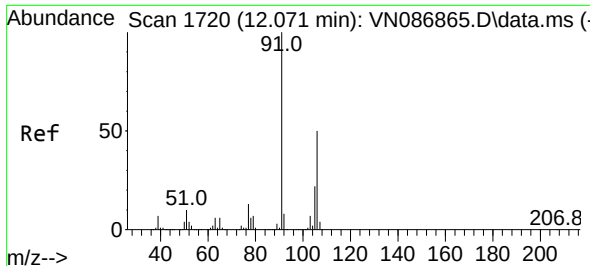
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#67
Ethyl Benzene
Concen: 28.033 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

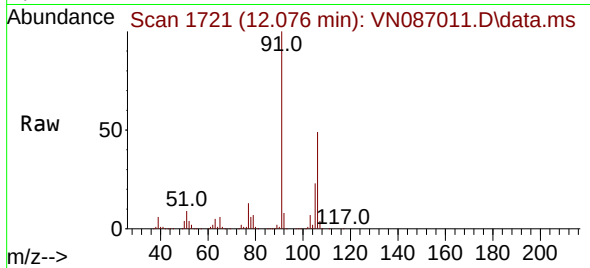
Tgt Ion: 91 Resp: 515102
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.2





#68
m/p-Xylenes
Concen: 34.683 ug/l
RT: 12.076 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

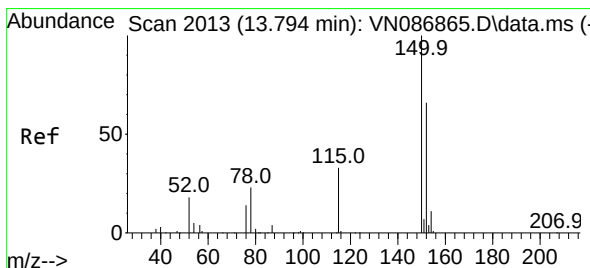
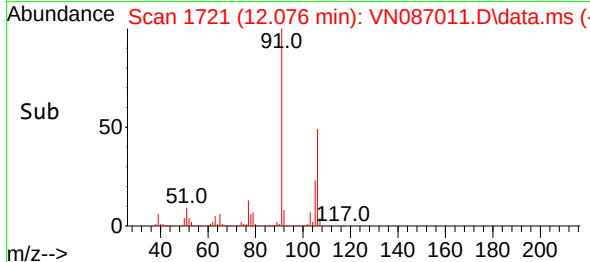
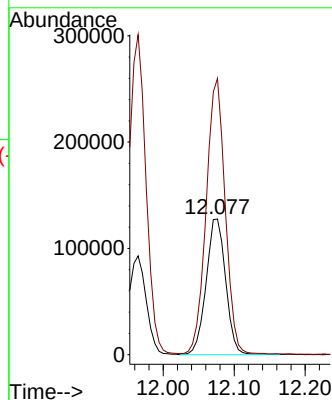
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-ADL



Tgt Ion:106 Resp: 24395
Ion Ratio Lower Upper
106 100
91 199.2 159.4 239.0

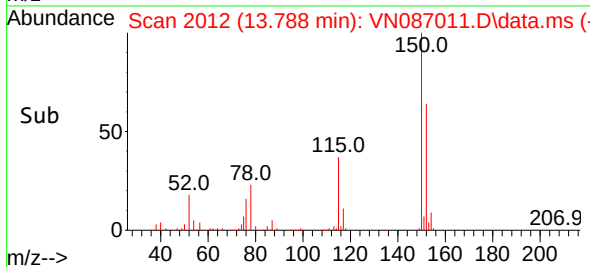
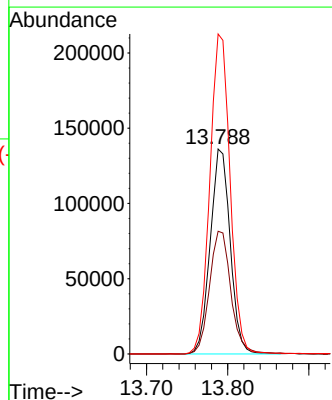
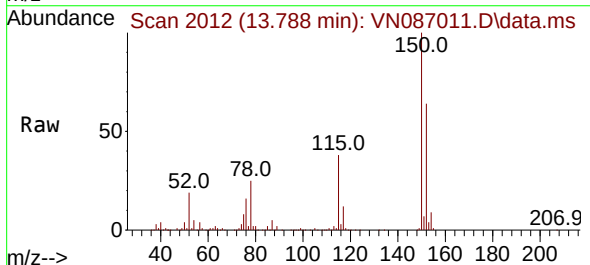
Manual Integrations
APPROVED

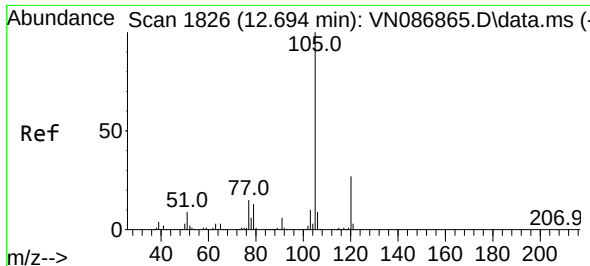
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

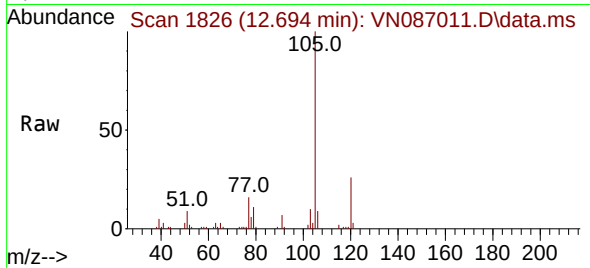
Tgt Ion:152 Resp: 232571
Ion Ratio Lower Upper
152 100
115 64.5 30.1 90.5
150 158.5 0.0 345.0





#73
Isopropylbenzene
Concen: 2.861 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

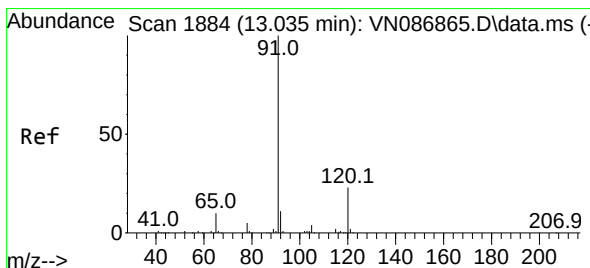
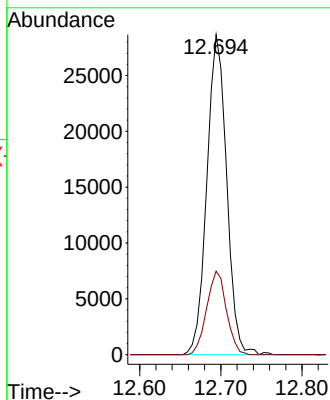
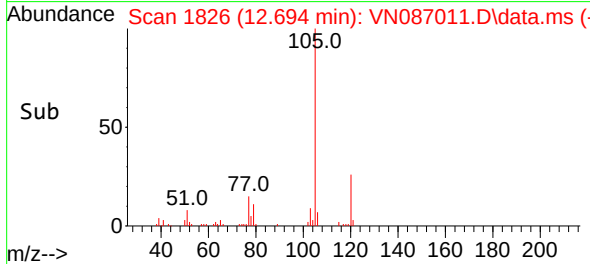
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-ADL



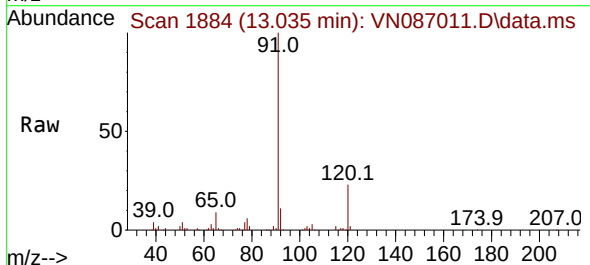
Tgt Ion:105 Resp: 4847
Ion Ratio Lower Upper
105 100
120 26.0 13.5 40.4

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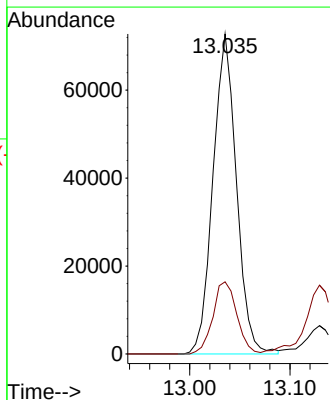
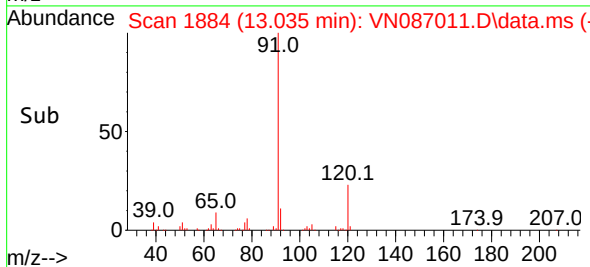
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

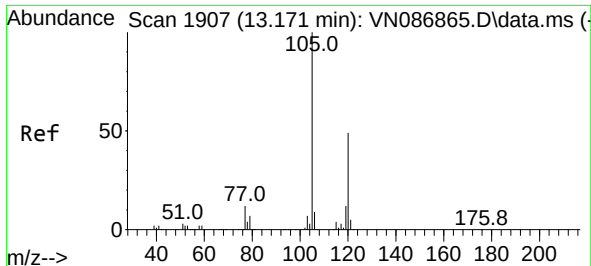


#78
n-propylbenzene
Concen: 5.736 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46



Tgt Ion: 91 Resp: 118108
Ion Ratio Lower Upper
91 100
120 23.0 11.4 34.2





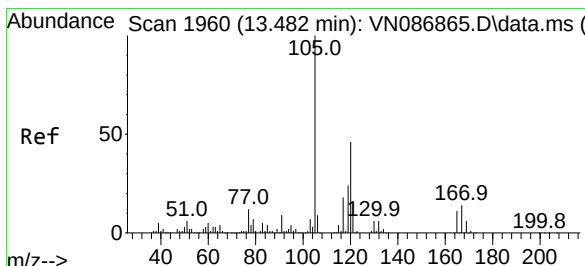
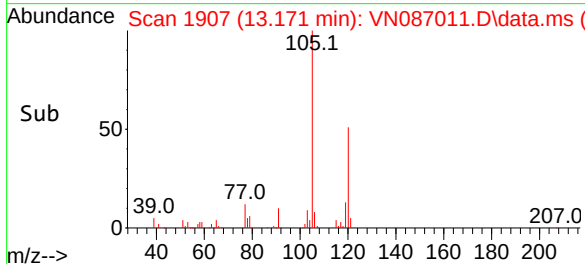
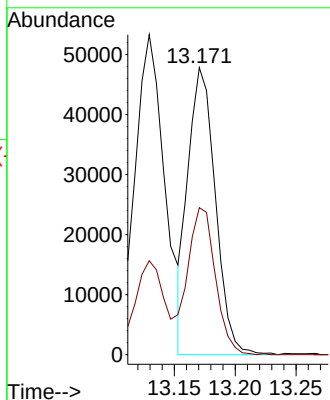
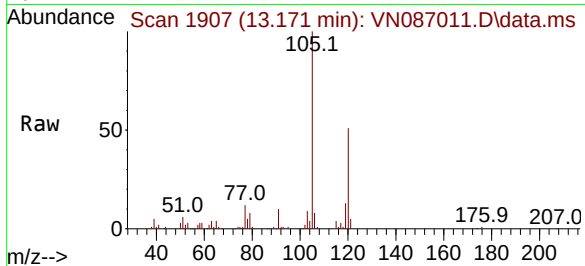
#80
1,3,5-Trimethylbenzene
Concen: 5.354 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-ADL

Tgt Ion:105 Resp: 7489
Ion Ratio Lower Upper
105 100
120 53.1 24.9 74.6

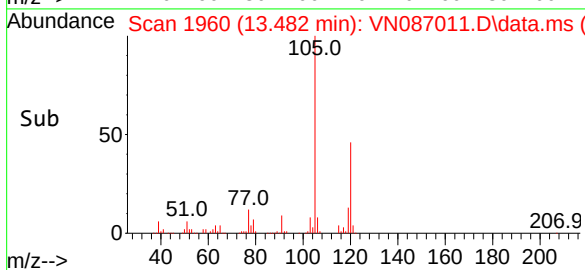
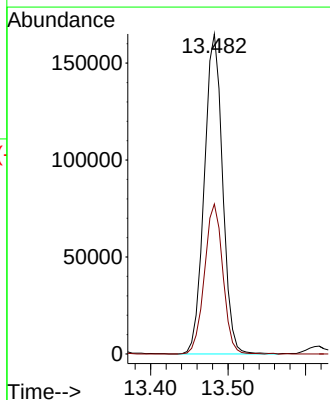
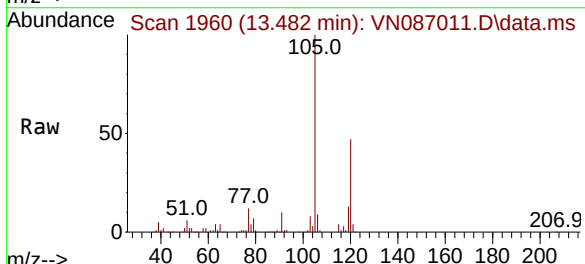
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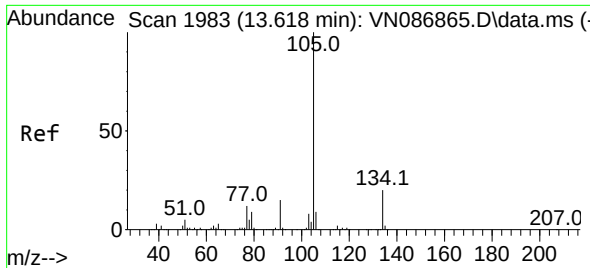
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 19.298 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087011.D
Acq: 13 Jun 2025 18:46

Tgt Ion:105 Resp: 270695
Ion Ratio Lower Upper
105 100
120 46.9 23.2 69.6





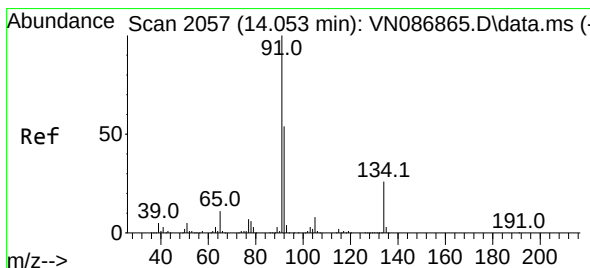
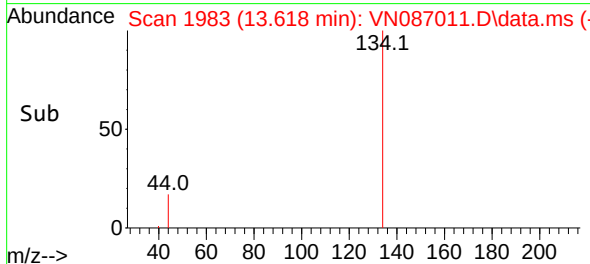
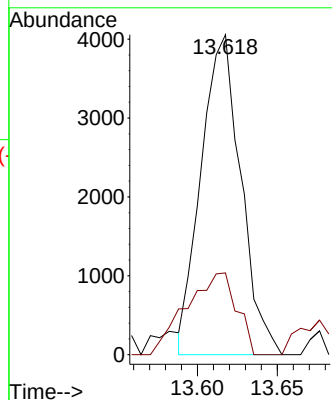
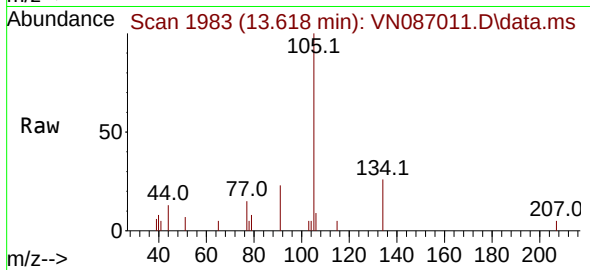
#85
 sec-Butylbenzene
 Concen: 0.378 ug/l m
 RT: 13.618 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN087011.D
 Acq: 13 Jun 2025 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2-20250605-ADL

Tgt Ion:105 Resp: 7025
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 30.0

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/16/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#89
 n-Butylbenzene
 Concen: 0.582 ug/l
 RT: 14.059 min Scan# 2058
 Delta R.T. 0.006 min
 Lab File: VN087011.D
 Acq: 13 Jun 2025 18:46

Tgt Ion: 91 Resp: 8671
 Ion Ratio Lower Upper
 91 100
 92 55.0 27.5 82.4
 134 0.0 13.0 39.0

