

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087108.D
 Acq On : 19 Jun 2025 13:59
 Operator : JC\MD
 Sample : Q2333-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10

Quant Time: Jun 20 01:24:48 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)

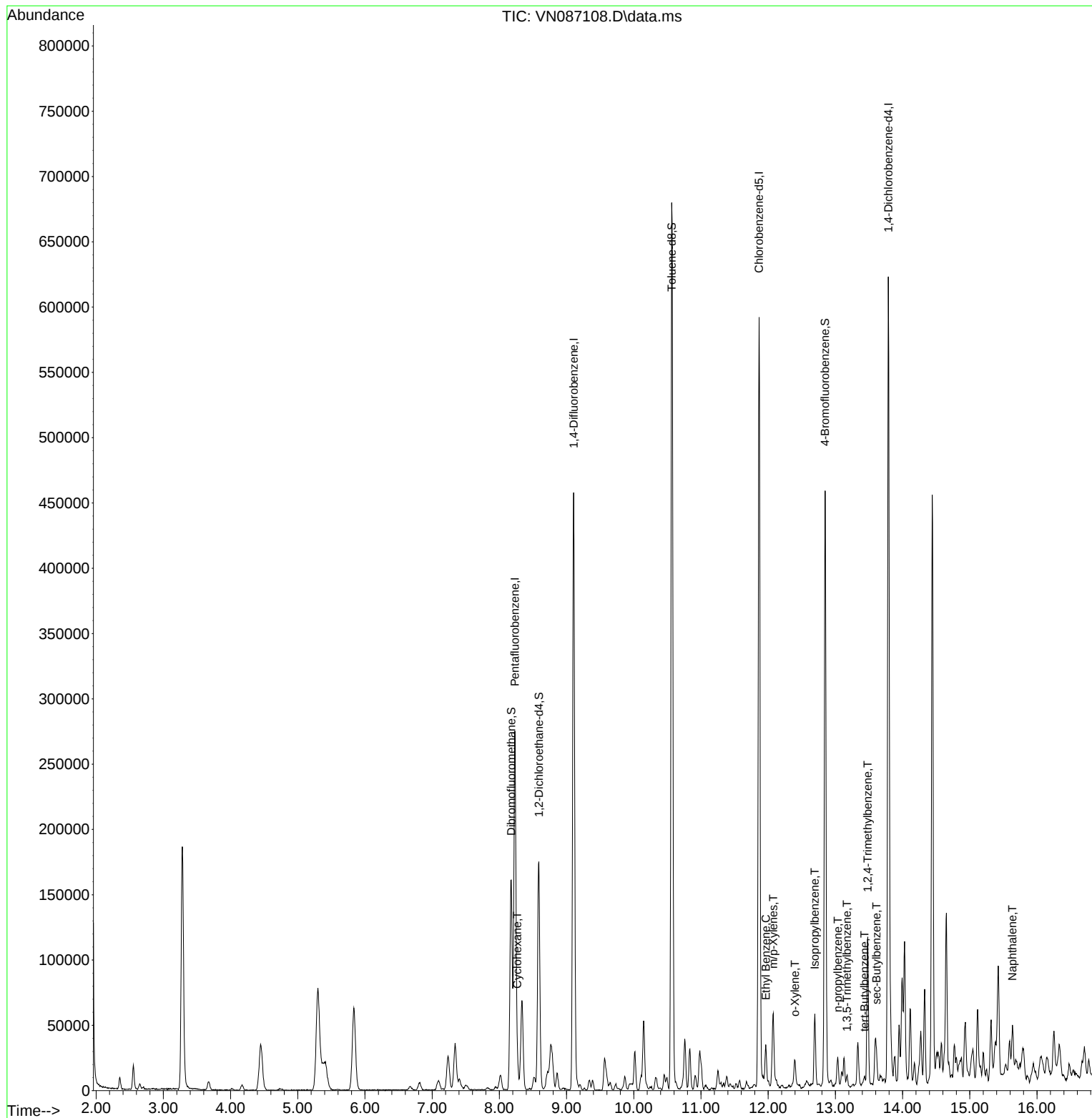
Internal Standards						
1) Pentafluorobenzene	8.229	168	216041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	424048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	379919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	184991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	143931	49.759	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.520%
35) Dibromofluoromethane	8.177	113	126640	50.394	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.780%
50) Toluene-d8	10.565	98	518097	52.079	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.160%
62) 4-Bromofluorobenzene	12.847	95	184746	49.984	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.960%
Target Compounds						
					Qvalue	
31) Cyclohexane	8.265	56	14323	3.053	ug/l #	85
67) Ethyl Benzene	11.965	91	19141	1.326	ug/l	97
68) m/p-Xylenes	12.076	106	20628	3.734	ug/l	99
69) o-Xylene	12.400	106	6835	1.292	ug/l	94
73) Isopropylbenzene	12.694	105	38913	2.887	ug/l	99
78) n-propylbenzene	13.035	91	20381	1.244	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	4212	0.379	ug/l	97
83) tert-Butylbenzene	13.435	119	2915	0.286	ug/l	85
84) 1,2,4-Trimethylbenzene	13.482	105	67147	6.018	ug/l	95
85) sec-Butylbenzene	13.611	105	15522	1.049	ug/l #	32
95) Naphthalene	15.635	128	42956	3.094	ug/l	96

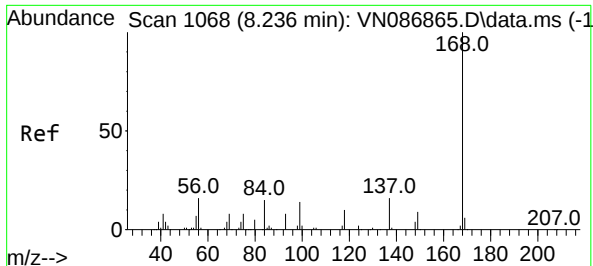
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
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Instrument :
MSVOA_N
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MW-10

Quant Time: Jun 20 01:24:48 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

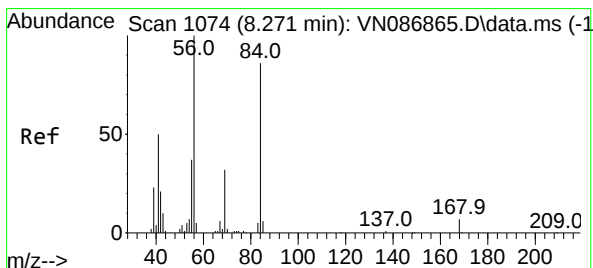
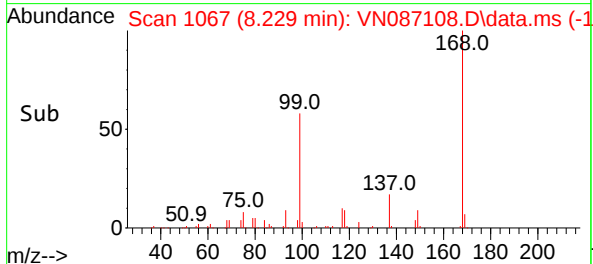
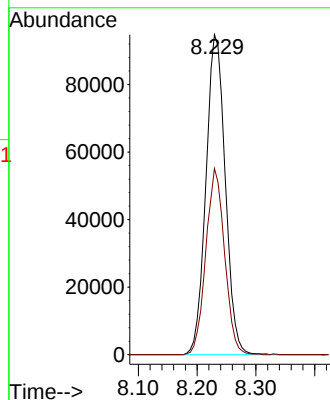
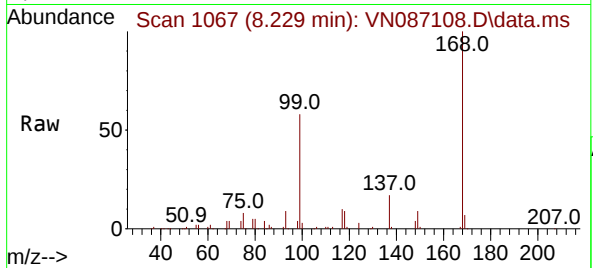




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

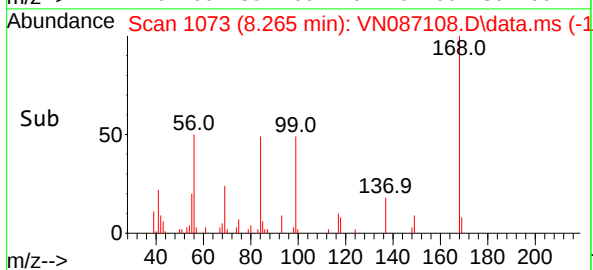
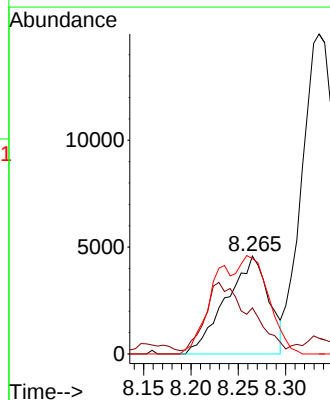
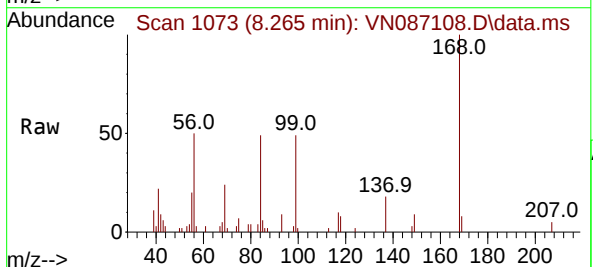
Instrument :
MSVOA_N
ClientSampleId :
MW-10

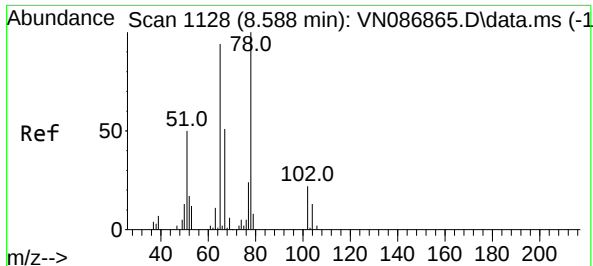
Tgt Ion:168 Resp: 216041
Ion Ratio Lower Upper
168 100
99 58.2 49.1 73.7



#31
Cyclohexane
Concen: 3.053 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.006 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

Tgt Ion: 56 Resp: 14323
Ion Ratio Lower Upper
56 100
69 43.6 25.4 38.0#
84 97.4 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 49.759 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087108.D

Acq: 19 Jun 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

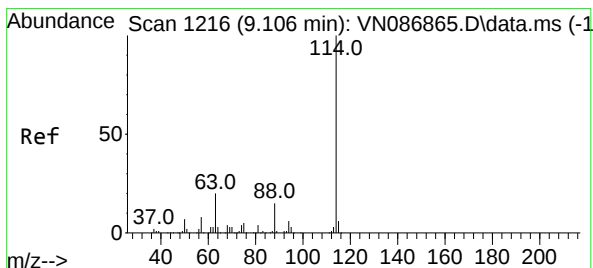
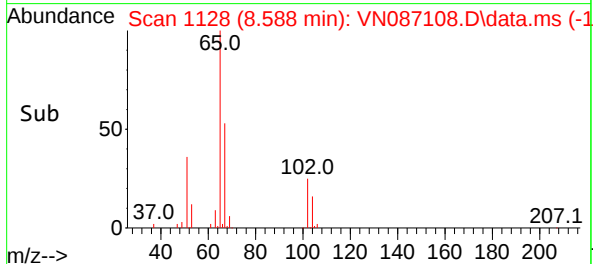
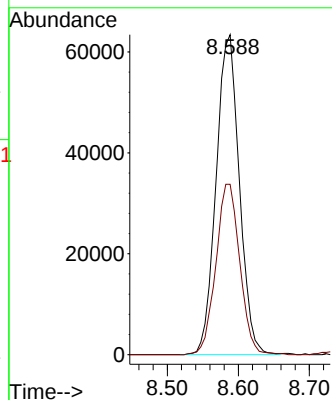
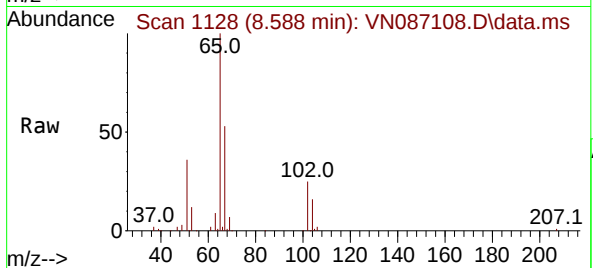
MW-10

Tgt Ion: 65 Resp: 143931

Ion Ratio Lower Upper

65 100

67 54.8 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087108.D

Acq: 19 Jun 2025 13:59

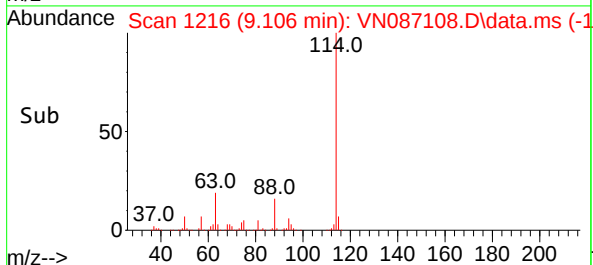
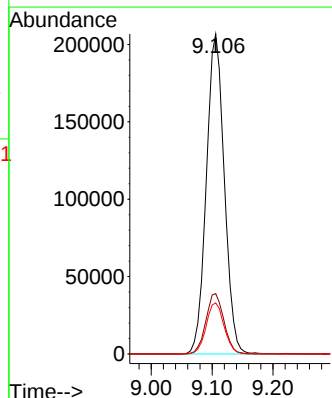
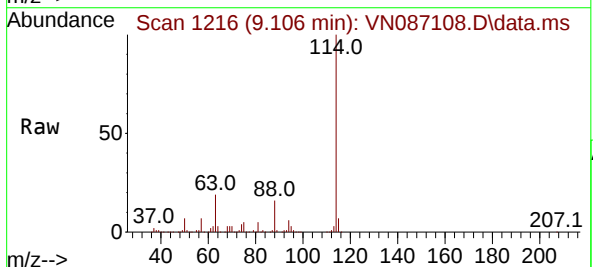
Tgt Ion: 114 Resp: 424048

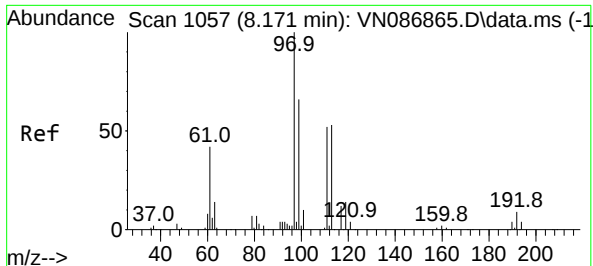
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 16.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.394 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN087108.D

Acq: 19 Jun 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

MW-10

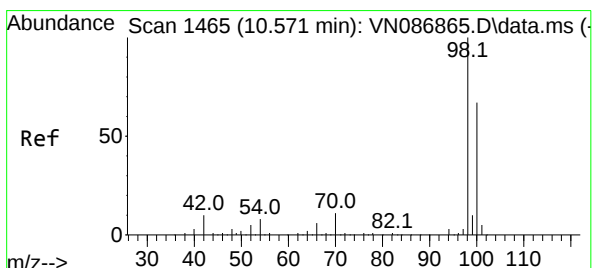
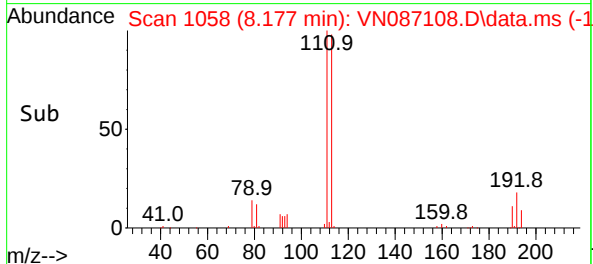
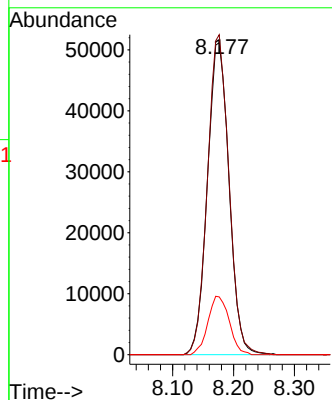
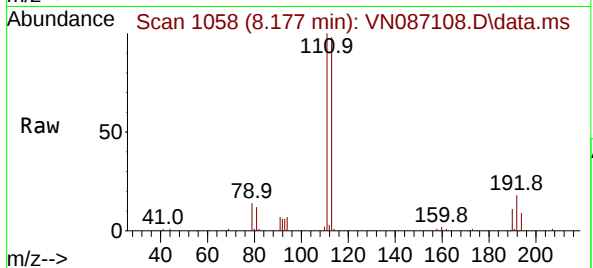
Tgt Ion:113 Resp: 126640

Ion Ratio Lower Upper

113 100

111 101.5 84.2 126.2

192 18.5 14.2 21.4



#50

Toluene-d8

Concen: 52.079 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087108.D

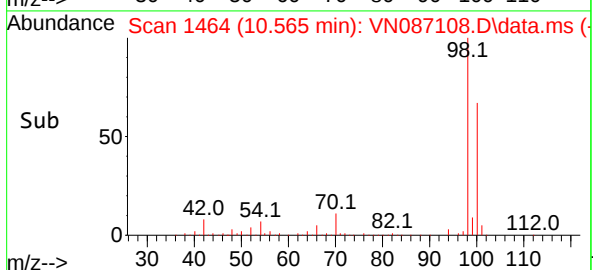
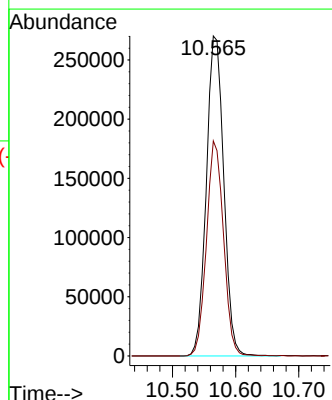
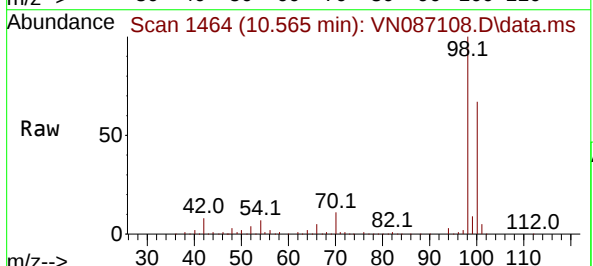
Acq: 19 Jun 2025 13:59

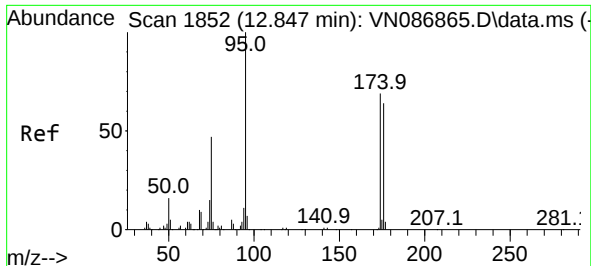
Tgt Ion: 98 Resp: 518097

Ion Ratio Lower Upper

98 100

100 65.8 53.4 80.0

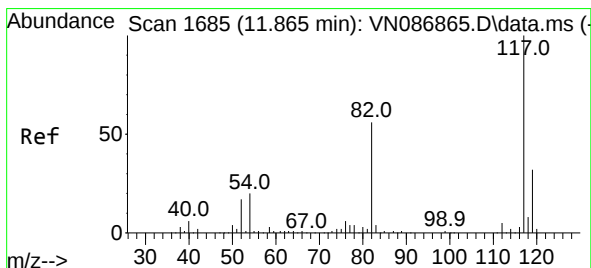
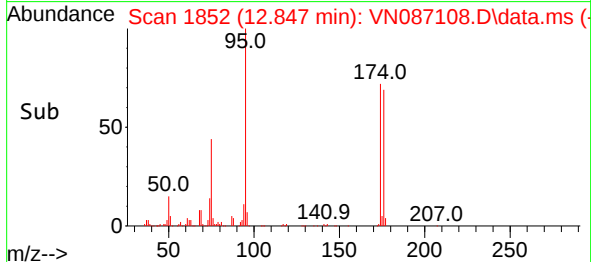
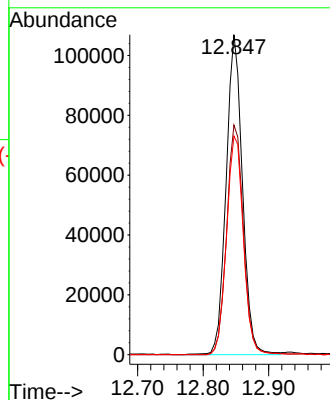
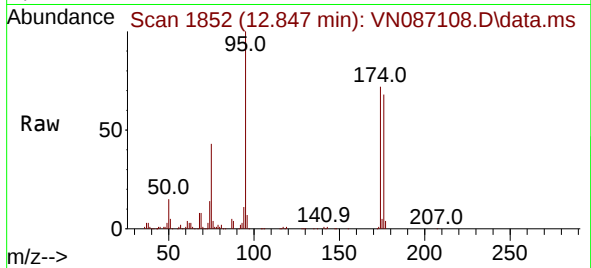




#62
4-Bromofluorobenzene
Concen: 49.984 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

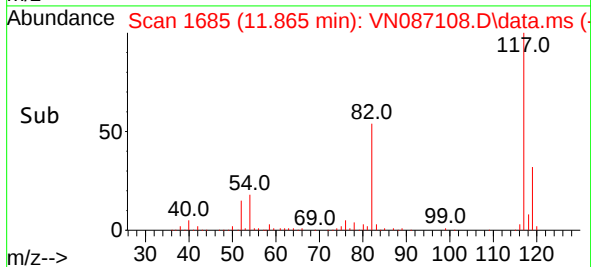
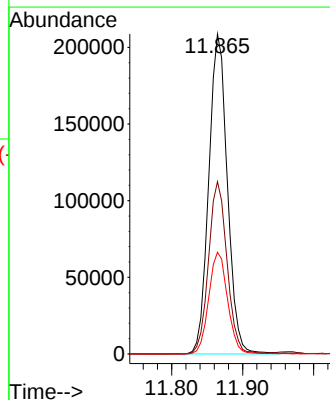
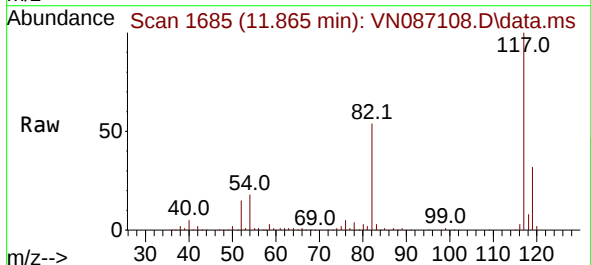
Instrument :
MSVOA_N
ClientSampleId :
MW-10

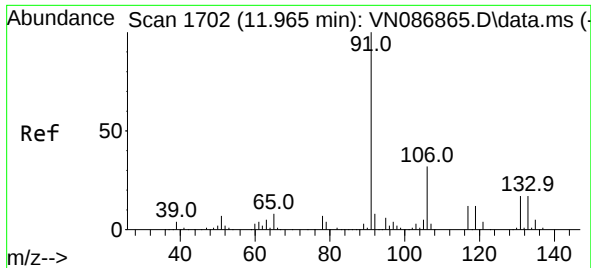
Tgt Ion: 95 Resp: 184746
Ion Ratio Lower Upper
95 100
174 73.6 0.0 141.8
176 70.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

Tgt Ion: 117 Resp: 379919
Ion Ratio Lower Upper
117 100
82 53.8 44.6 67.0
119 31.8 25.5 38.3

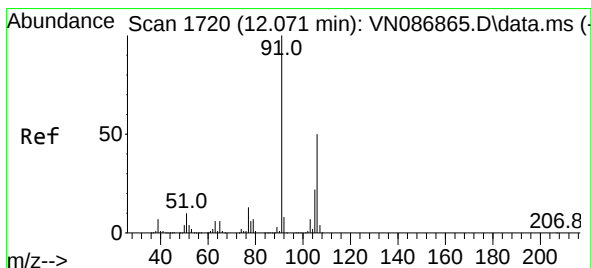
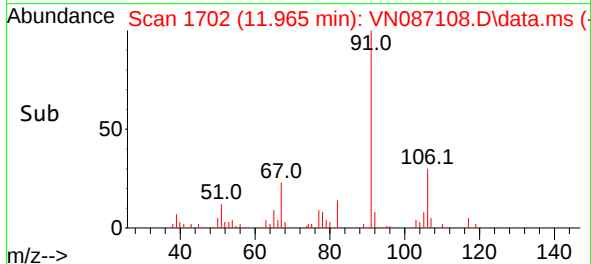
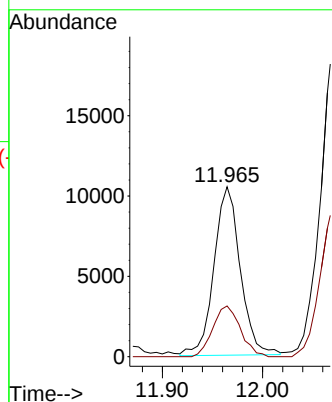
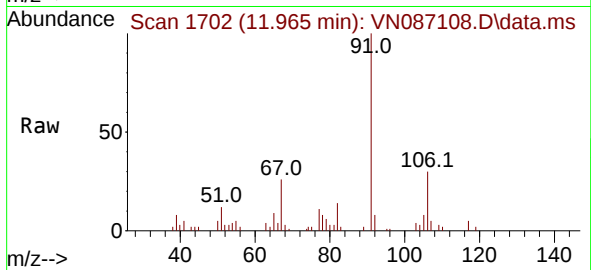




#67
Ethyl Benzene
Concen: 1.326 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

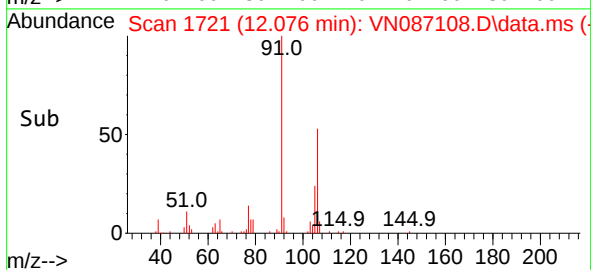
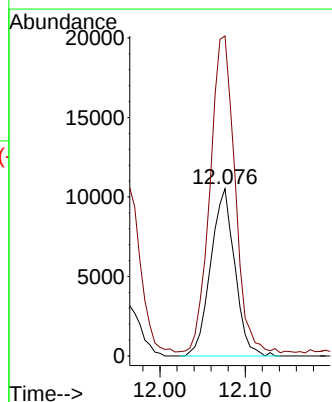
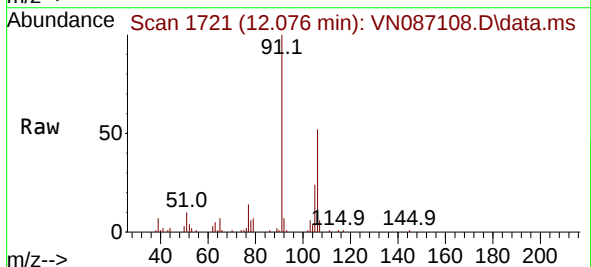
Instrument :
MSVOA_N
ClientSampleId :
MW-10

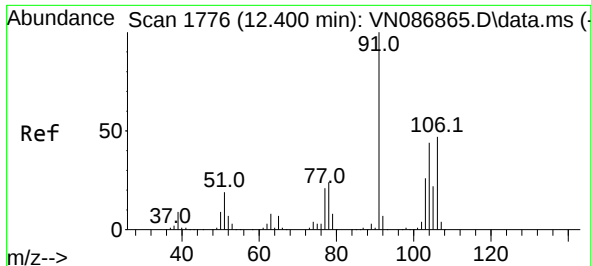
Tgt Ion: 91 Resp: 19141
Ion Ratio Lower Upper
91 100
106 30.4 25.4 38.2



#68
m/p-Xylenes
Concen: 3.734 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

Tgt Ion:106 Resp: 20628
Ion Ratio Lower Upper
106 100
91 197.0 159.4 239.0

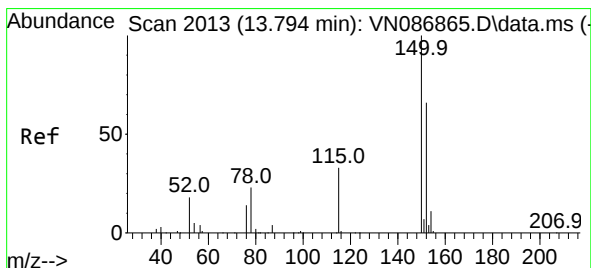
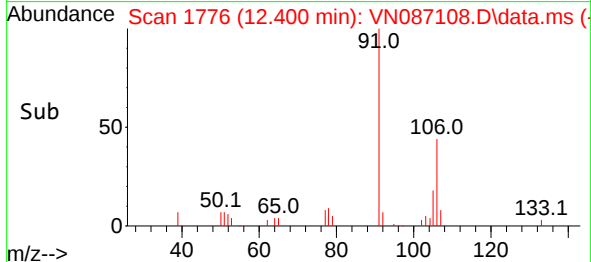
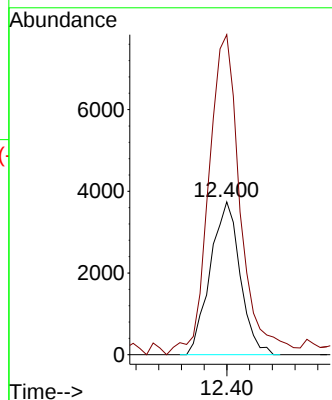
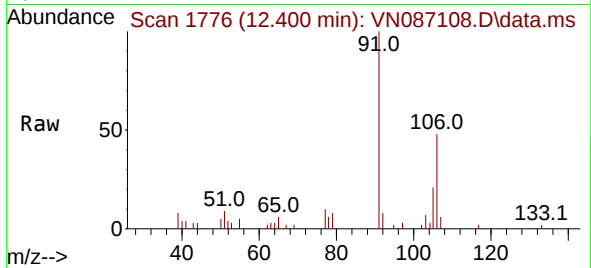




#69
o-Xylene
Concen: 1.292 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

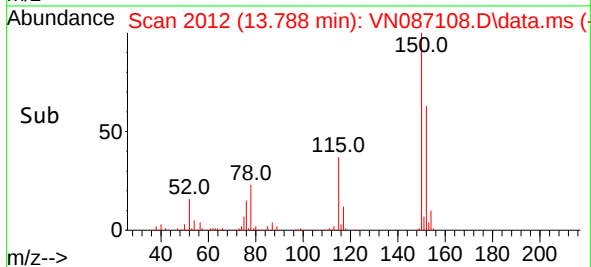
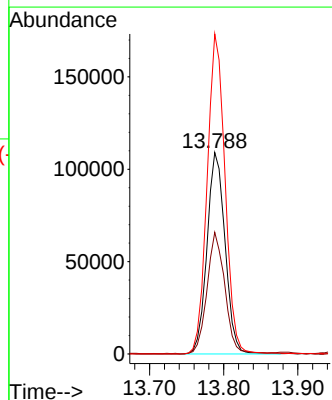
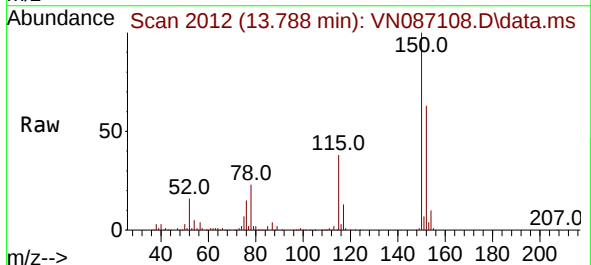
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MSVOA_N
ClientSampleId :
MW-10

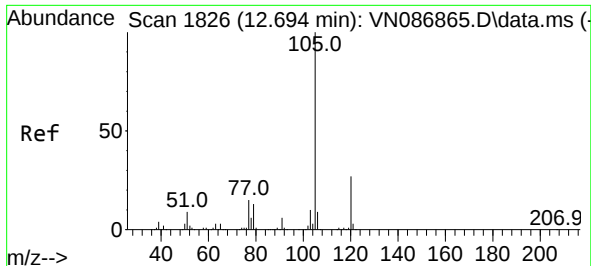
Tgt Ion:106 Resp: 6835
Ion Ratio Lower Upper
106 100
91 220.9 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

Tgt Ion:152 Resp: 184991
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.5
150 157.5 0.0 345.0

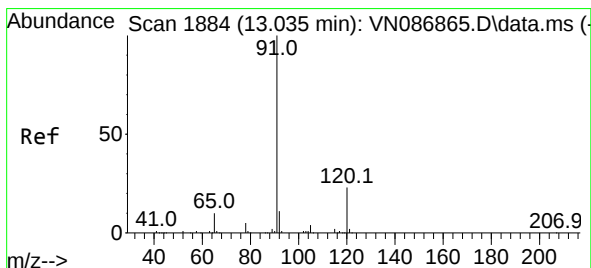
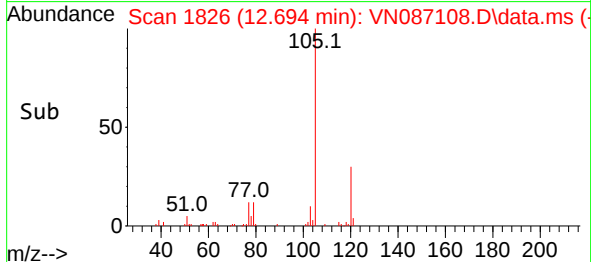
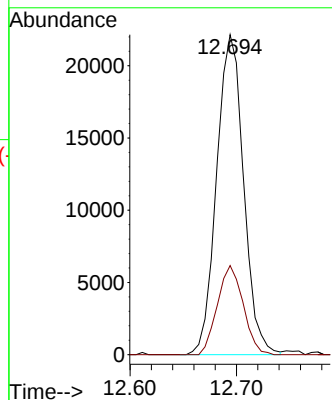
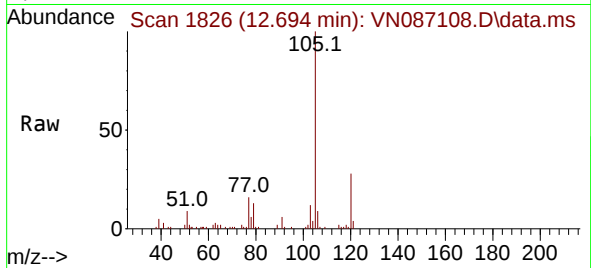




#73
Isopropylbenzene
Concen: 2.887 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

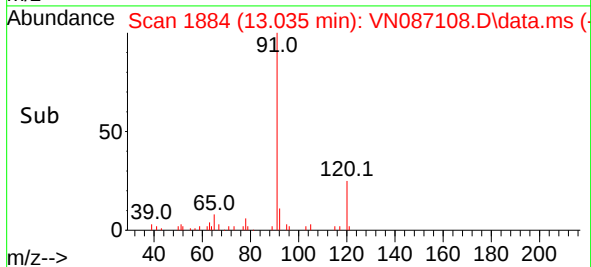
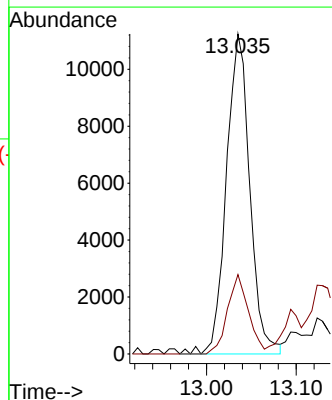
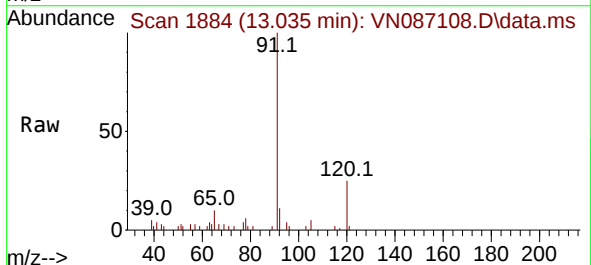
Instrument :
MSVOA_N
ClientSampleId :
MW-10

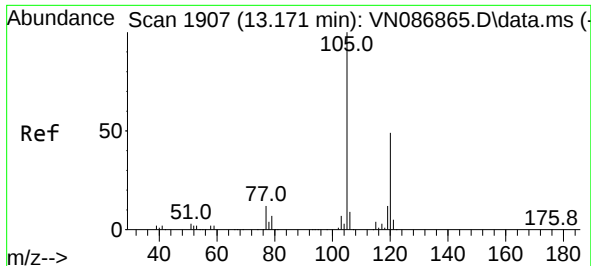
Tgt Ion:105 Resp: 38913
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.4



#78
n-propylbenzene
Concen: 1.244 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

Tgt Ion: 91 Resp: 20381
Ion Ratio Lower Upper
91 100
120 22.2 11.4 34.2

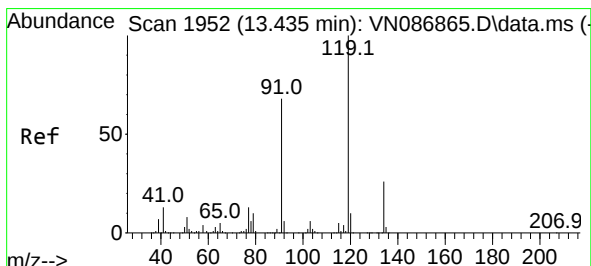
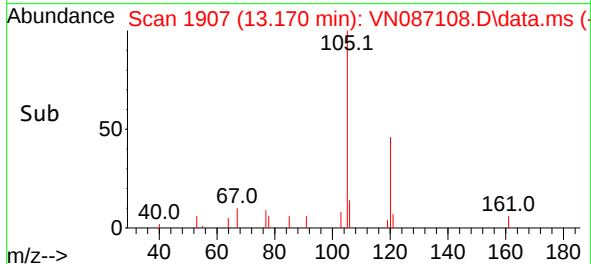
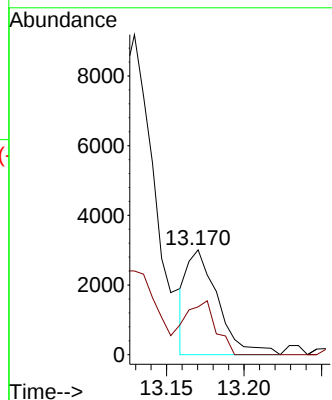
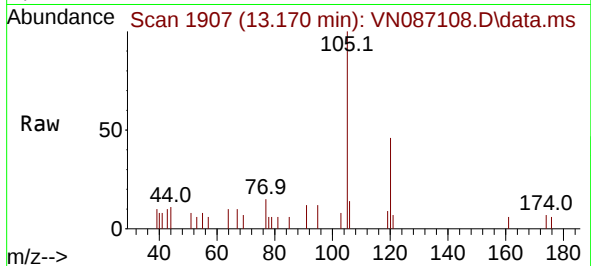




#80
1,3,5-Trimethylbenzene
Concen: 0.379 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

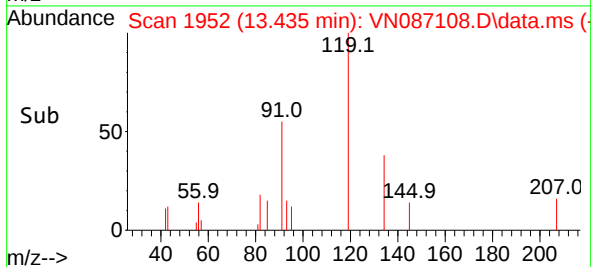
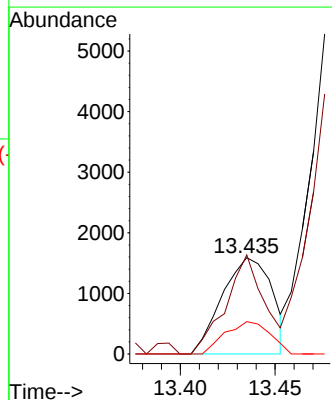
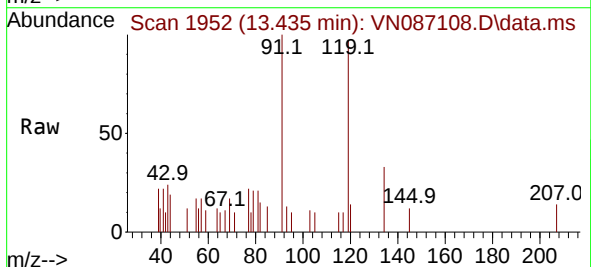
Instrument :
MSVOA_N
ClientSampleId :
MW-10

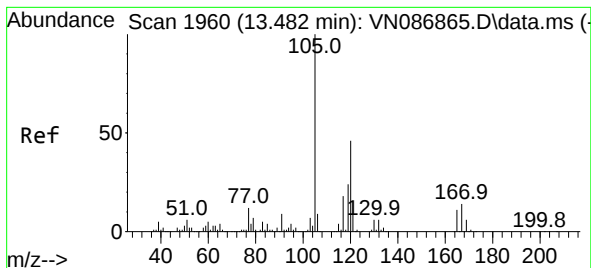
Tgt Ion:105 Resp: 4212
Ion Ratio Lower Upper
105 100
120 51.9 24.9 74.6



#83
tert-Butylbenzene
Concen: 0.286 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN087108.D
Acq: 19 Jun 2025 13:59

Tgt Ion:119 Resp: 2915
Ion Ratio Lower Upper
119 100
91 79.2 32.1 96.5
134 30.1 13.4 40.1





#84

1,2,4-Trimethylbenzene

Concen: 6.018 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN087108.D

Acq: 19 Jun 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

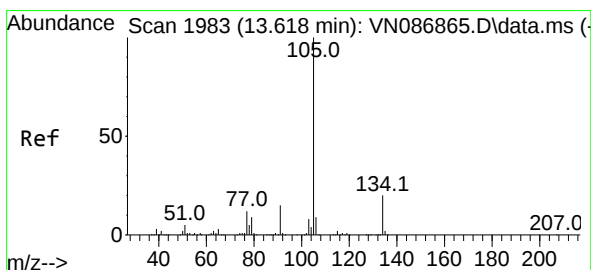
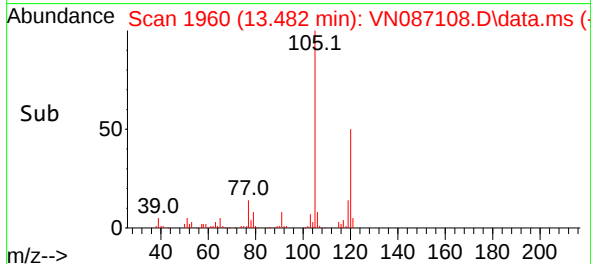
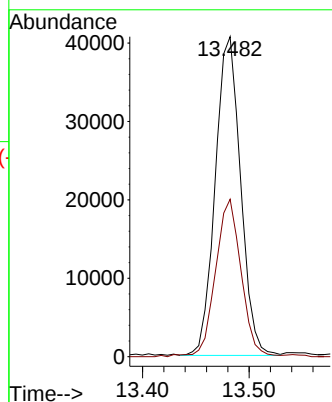
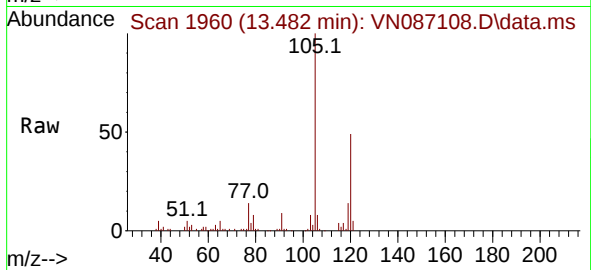
MW-10

Tgt Ion:105 Resp: 67147

Ion Ratio Lower Upper

105 100

120 49.9 23.2 69.6



#85

sec-Butylbenzene

Concen: 1.049 ug/l

RT: 13.611 min Scan# 1982

Delta R.T. -0.006 min

Lab File: VN087108.D

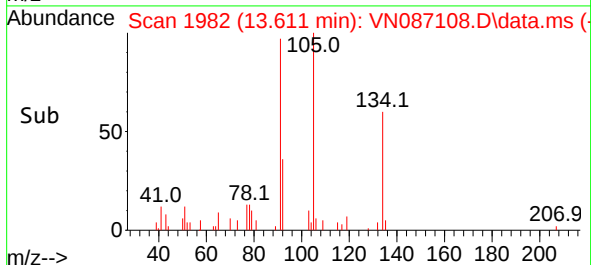
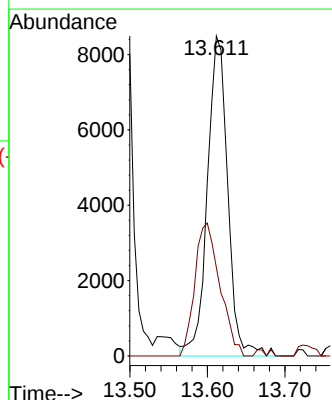
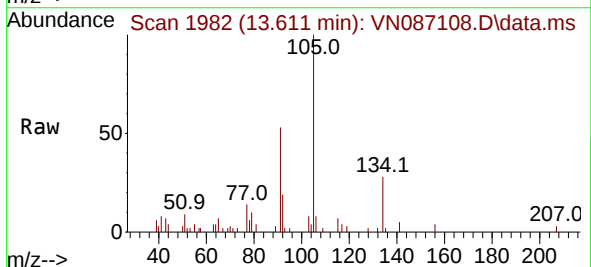
Acq: 19 Jun 2025 13:59

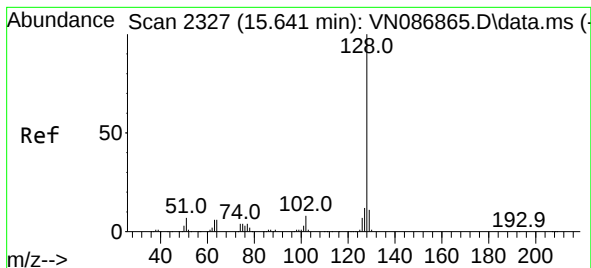
Tgt Ion:105 Resp: 15522

Ion Ratio Lower Upper

105 100

134 51.0 10.0 30.0#





#95

Naphthalene

Concen: 3.094 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN087108.D

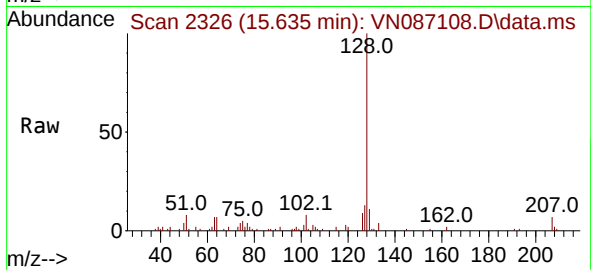
Acq: 19 Jun 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

MW-10



Tgt Ion:128 Resp: 42956

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.2

129 10.1 8.8 13.2

