

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087110.D
 Acq On : 19 Jun 2025 14:42
 Operator : JC\MD
 Sample : Q2333-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

Quant Time: Jun 20 01:25:41 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)

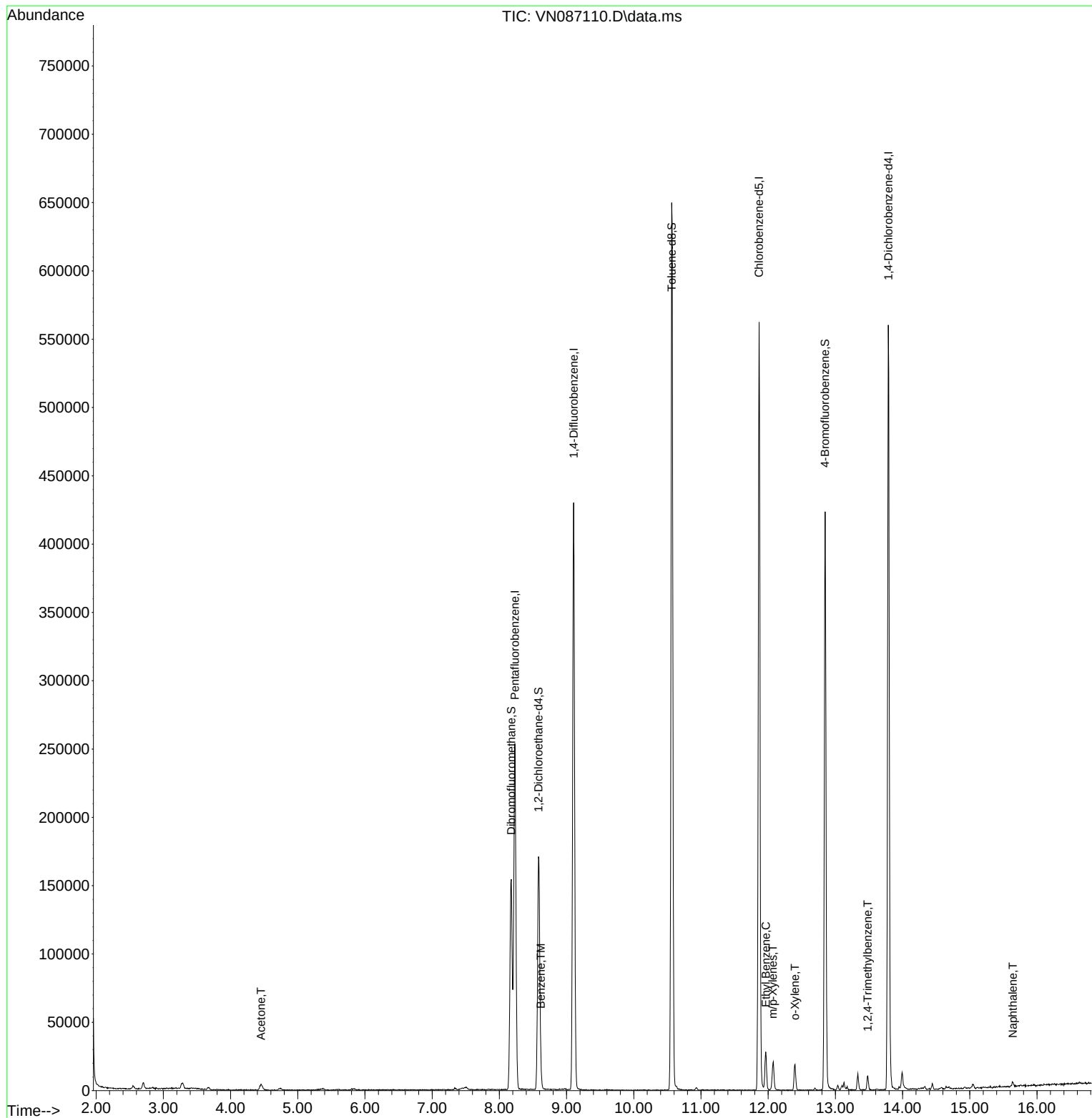
Internal Standards						
1) Pentafluorobenzene	8.230	168	200534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	398084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	356355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	169301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	136952	51.008	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.020%	
35) Dibromofluoromethane	8.177	113	121246	51.394	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.780%	
50) Toluene-d8	10.565	98	483778	51.801	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.600%	
62) 4-Bromofluorobenzene	12.847	95	171089	49.308	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.620%	
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	8627	6.059	ug/l #	81
40) Benzene	8.618	78	9222	0.802	ug/l	97
67) Ethyl Benzene	11.965	91	22730	1.679	ug/l	97
68) m/p-Xylenes	12.071	106	7635	1.473	ug/l	97
69) o-Xylene	12.400	106	6022	1.213	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	7202	0.705	ug/l	96
95) Naphthalene	15.641	128	4261	0.335	ug/l #	82

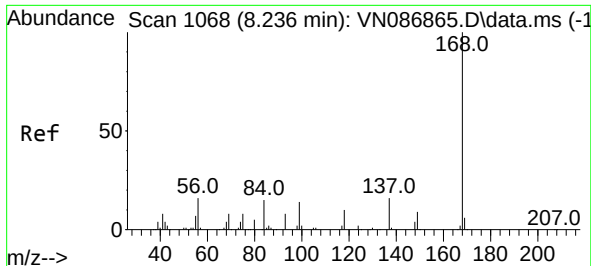
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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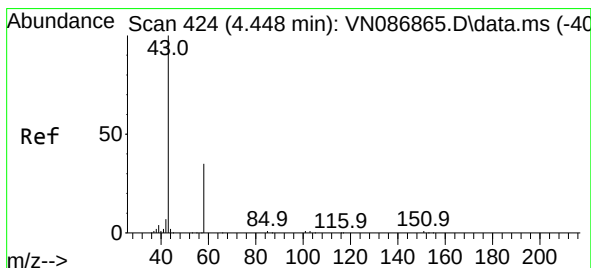
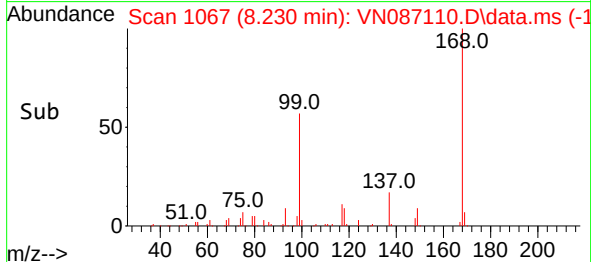
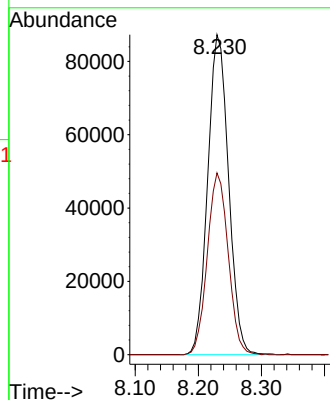
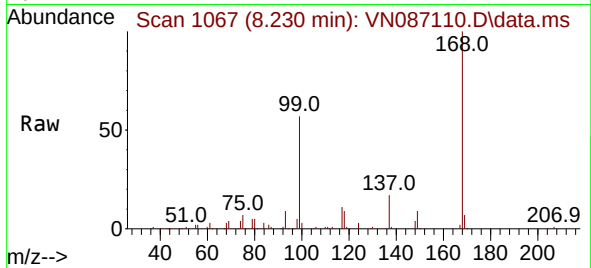




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

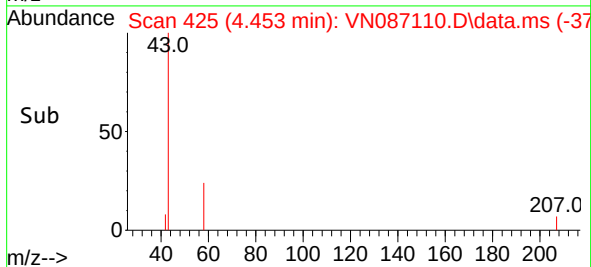
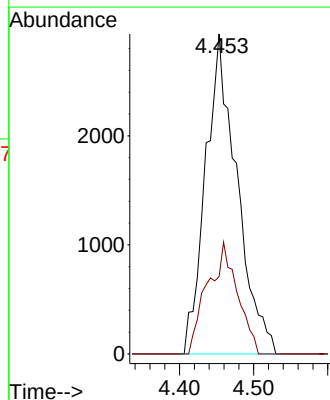
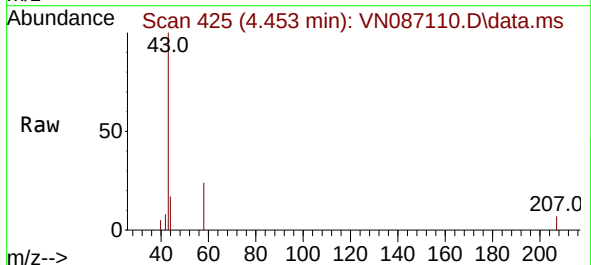
Instrument :
MSVOA_N
ClientSampleId :
MW-13

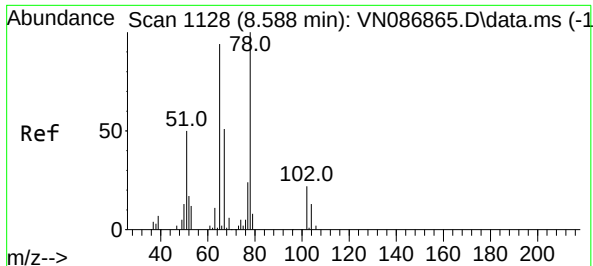
Tgt Ion:168 Resp: 200534
Ion Ratio Lower Upper
168 100
99 56.8 49.1 73.7



#16
Acetone
Concen: 6.059 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Tgt Ion: 43 Resp: 8627
Ion Ratio Lower Upper
43 100
58 24.1 28.0 42.0#





#33

1,2-Dichloroethane-d4

Concen: 51.008 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087110.D

Acq: 19 Jun 2025 14:42

Instrument :

MSVOA_N

ClientSampleId :

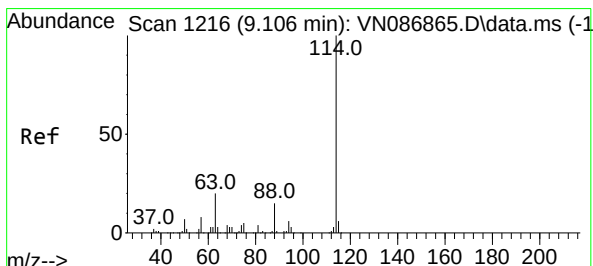
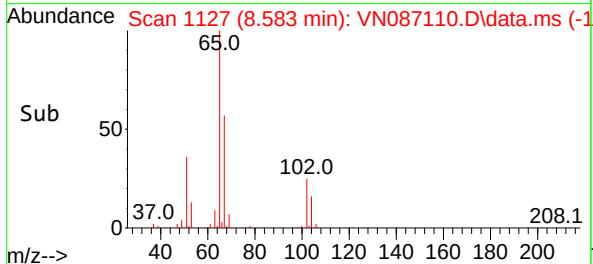
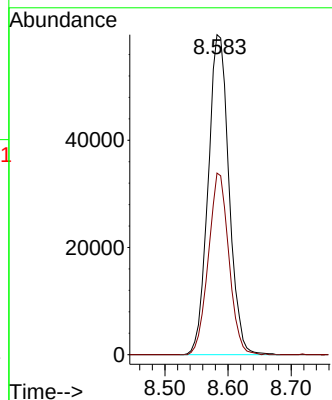
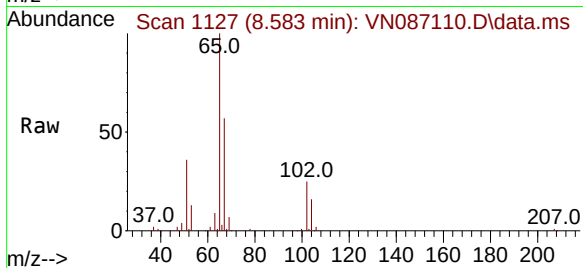
MW-13

Tgt Ion: 65 Resp: 136952

Ion Ratio Lower Upper

65 100

67 55.6 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: VN087110.D

Acq: 19 Jun 2025 14:42

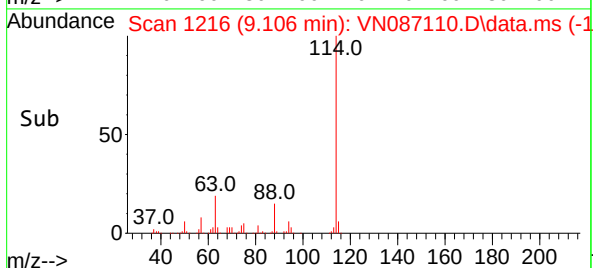
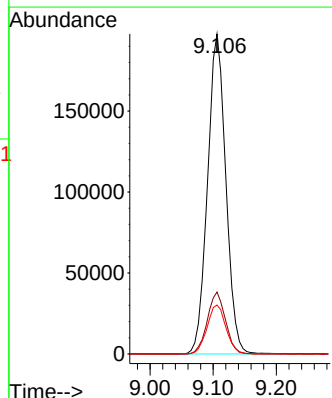
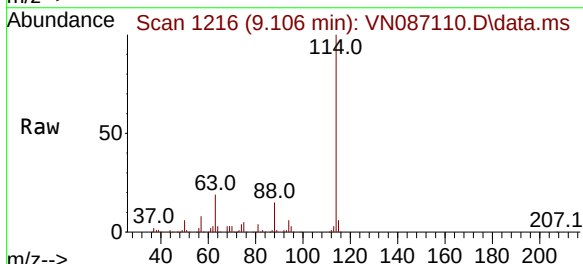
Tgt Ion: 114 Resp: 398084

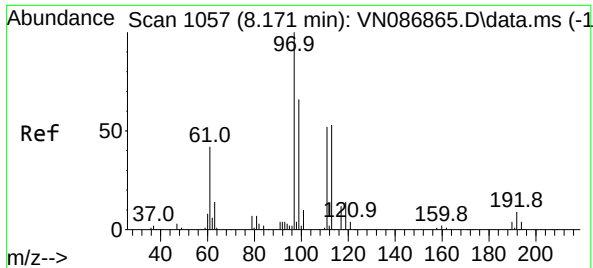
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.3 0.0 30.2

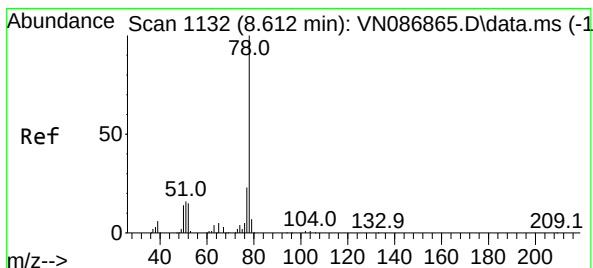
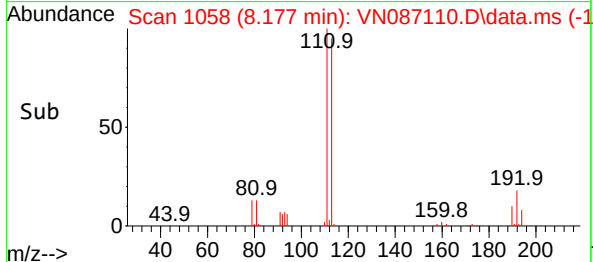
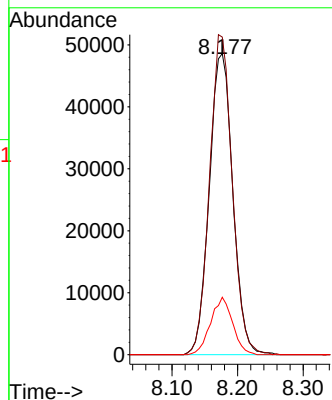
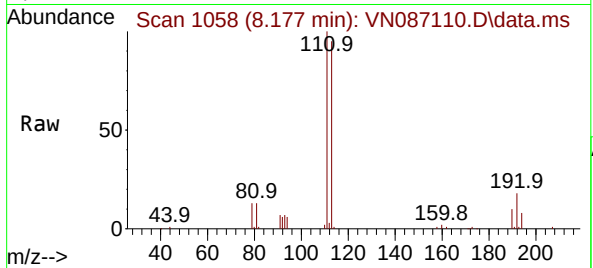




#35
Dibromofluoromethane
Concen: 51.394 ug/l
RT: 8.177 min Scan# 110
Delta R.T. 0.006 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

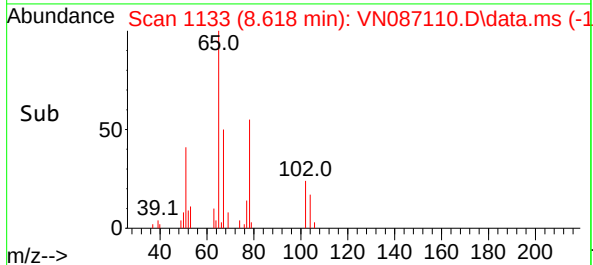
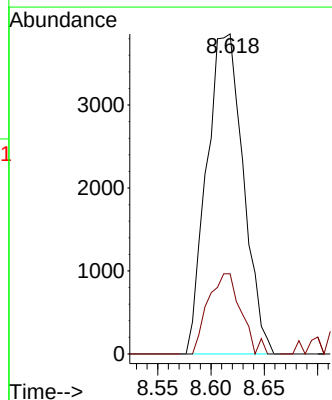
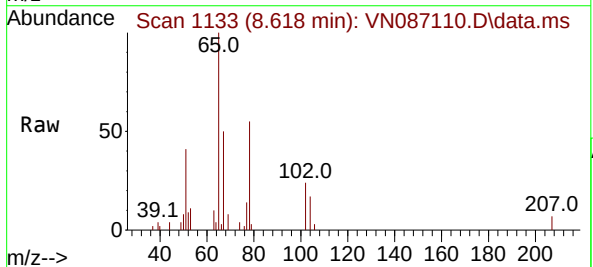
Instrument :
MSVOA_N
ClientSampleId :
MW-13

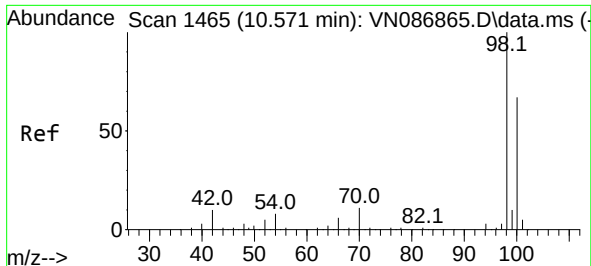
Tgt Ion:113 Resp: 121246
Ion Ratio Lower Upper
113 100
111 102.5 84.2 126.2
192 17.8 14.2 21.4



#40
Benzene
Concen: 0.802 ug/l
RT: 8.618 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Tgt Ion: 78 Resp: 9222
Ion Ratio Lower Upper
78 100
77 25.0 18.7 28.1

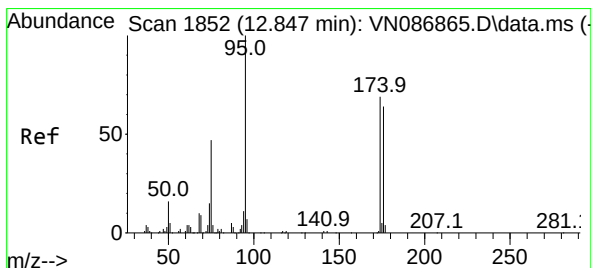
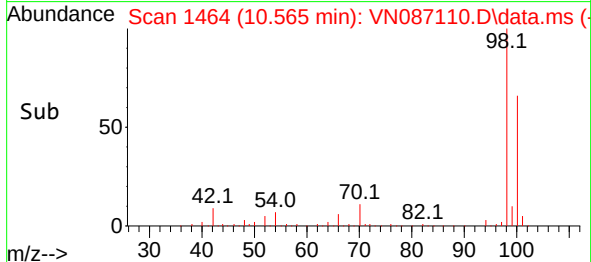
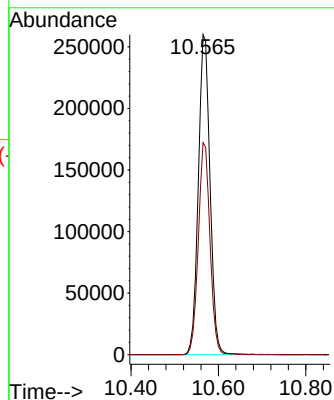
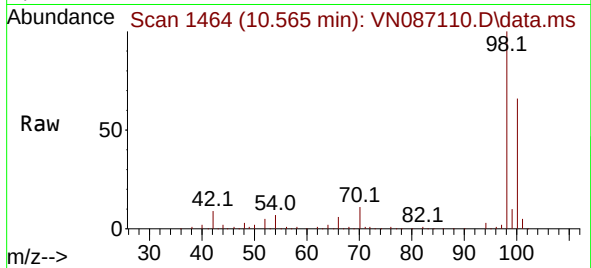




#50
Toluene-d8
Concen: 51.801 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

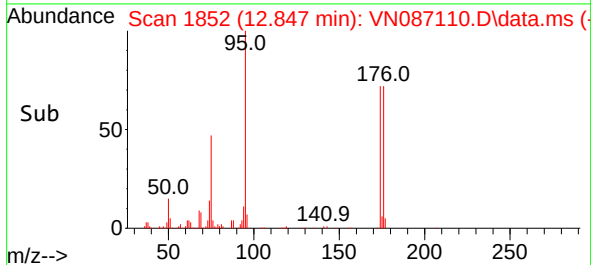
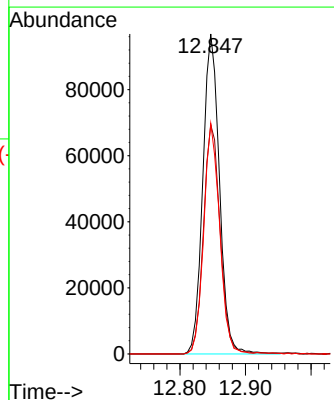
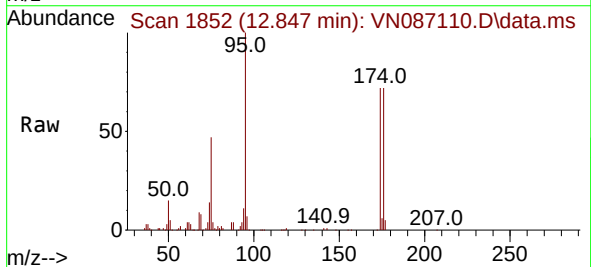
Instrument :
MSVOA_N
ClientSampleId :
MW-13

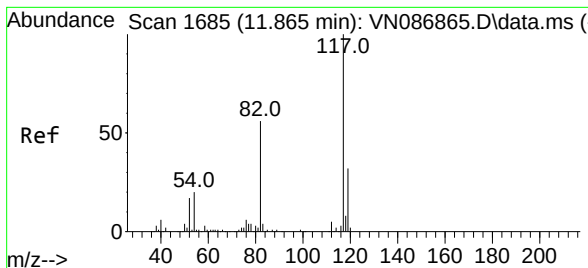
Tgt Ion: 98 Resp: 483778
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.308 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Tgt Ion: 95 Resp: 171089
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.8
176 68.9 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087110.D

Acq: 19 Jun 2025 14:42

Instrument :

MSVOA_N

ClientSampleId :

MW-13

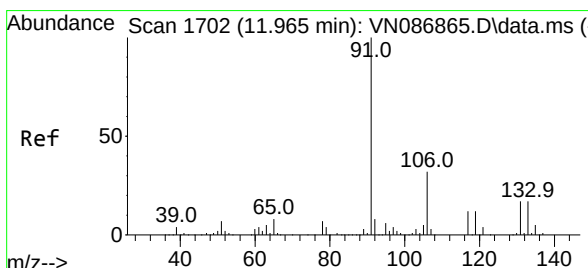
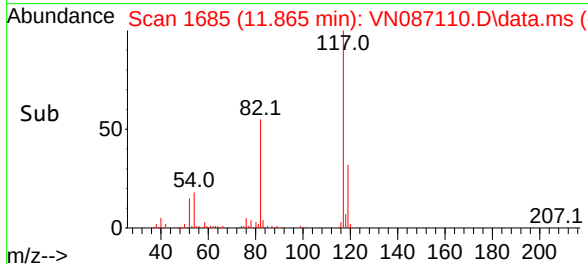
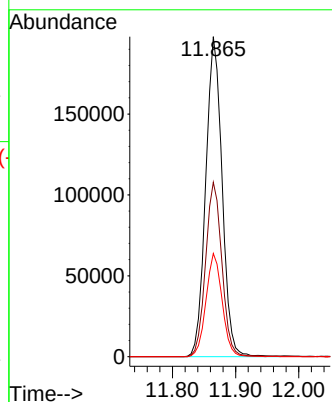
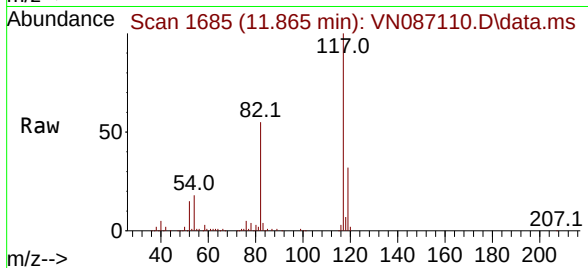
Tgt Ion:117 Resp: 356355

Ion Ratio Lower Upper

117 100

82 54.5 44.6 67.0

119 32.2 25.5 38.3



#67

Ethyl Benzene

Concen: 1.679 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN087110.D

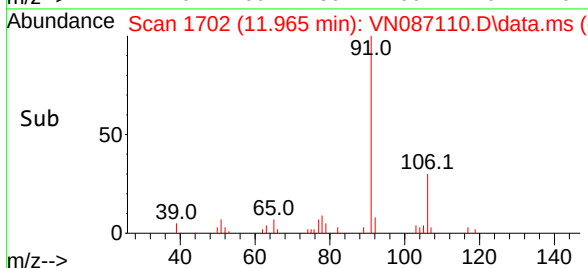
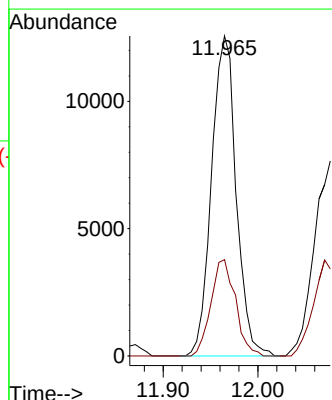
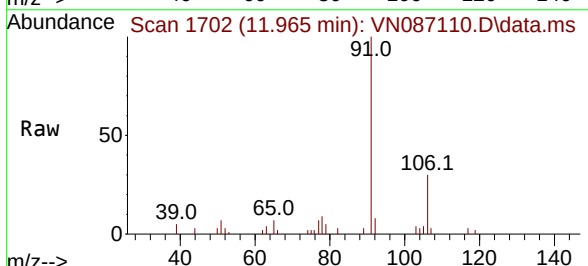
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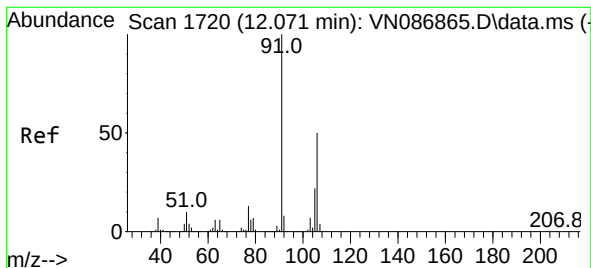
Tgt Ion: 91 Resp: 22730

Ion Ratio Lower Upper

91 100

106 30.1 25.4 38.2

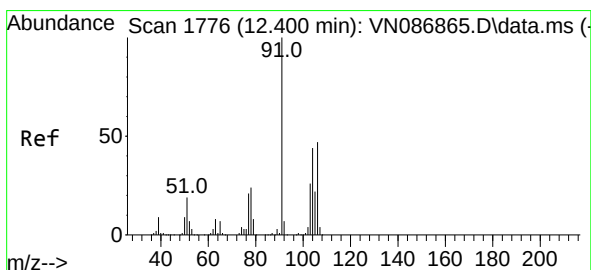
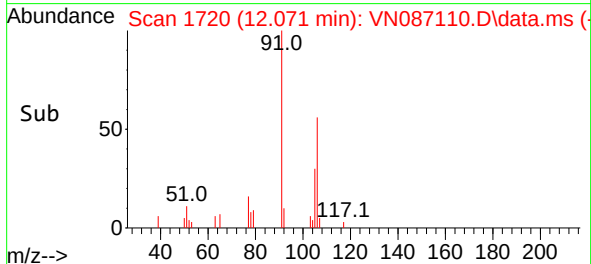
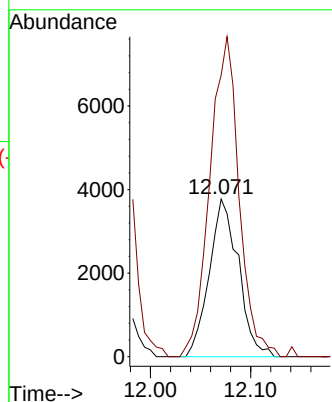
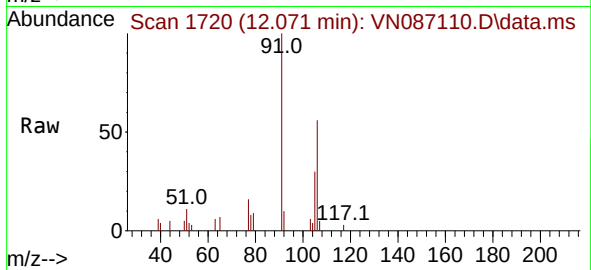




#68
m/p-Xylenes
Concen: 1.473 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

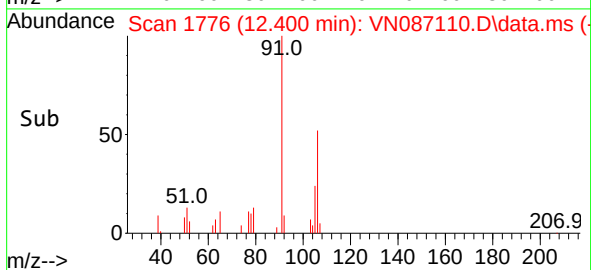
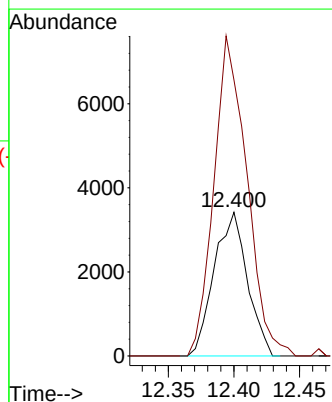
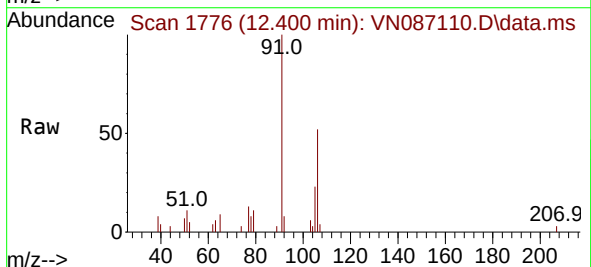
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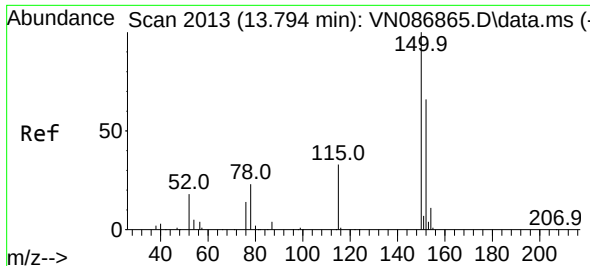
Tgt Ion:106 Resp: 7635
Ion Ratio Lower Upper
106 100
91 203.2 159.4 239.0



#69
o-Xylene
Concen: 1.213 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Tgt Ion:106 Resp: 6022
Ion Ratio Lower Upper
106 100
91 221.2 106.1 318.1

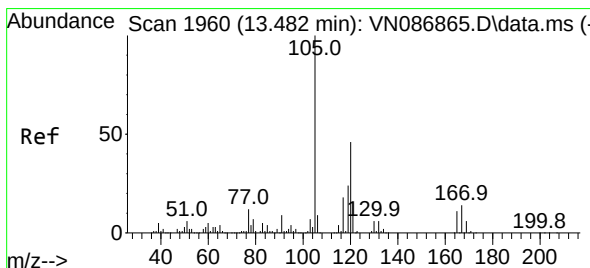
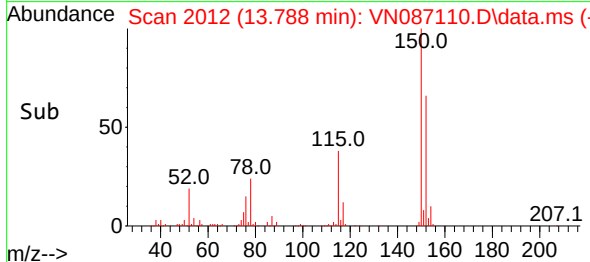
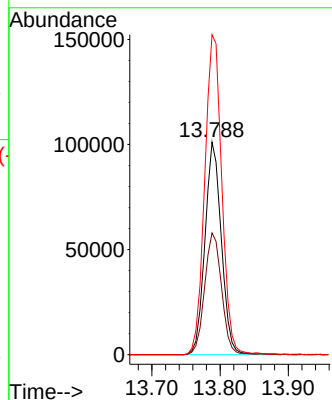
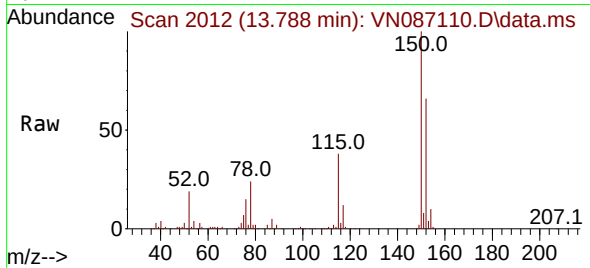




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087110.D
 Acq: 19 Jun 2025 14:42

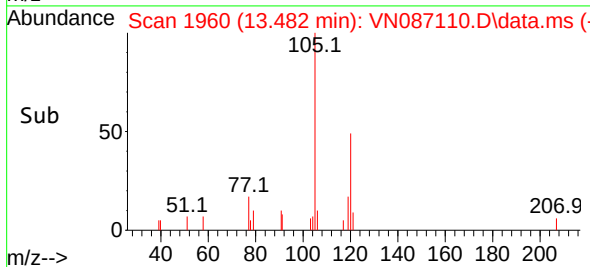
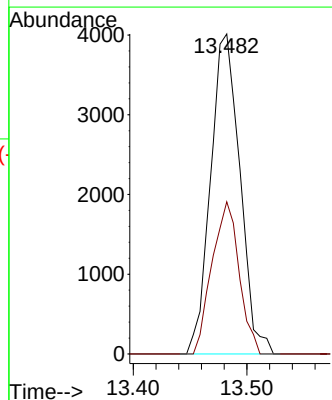
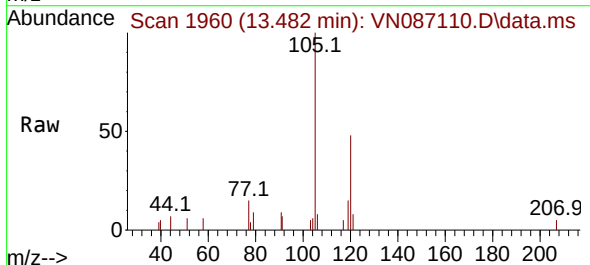
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

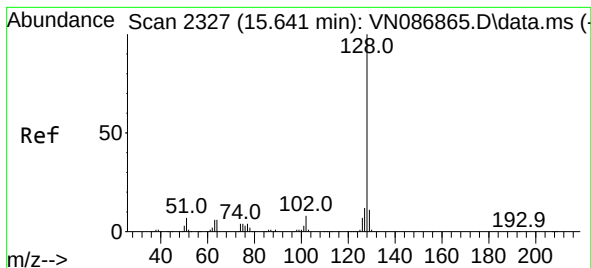
Tgt Ion:152 Resp: 169301
 Ion Ratio Lower Upper
 152 100
 115 59.1 30.1 90.5
 150 156.6 0.0 345.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.705 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN087110.D
 Acq: 19 Jun 2025 14:42

Tgt Ion:105 Resp: 7202
 Ion Ratio Lower Upper
 105 100
 120 44.0 23.2 69.6





#95

Naphthalene

Concen: 0.335 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087110.D

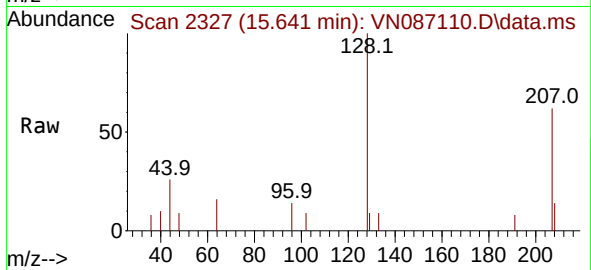
Acq: 19 Jun 2025 14:42

Instrument :

MSVOA_N

ClientSampleId :

MW-13



Tgt Ion:128 Resp: 4261

Ion Ratio Lower Upper

128 100

127 4.5 10.2 15.2#

129 5.1 8.8 13.2#

