

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087115.D
 Acq On : 19 Jun 2025 16:28
 Operator : JC\MD
 Sample : Q2333-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10

Quant Time: Jun 20 01:27:52 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)

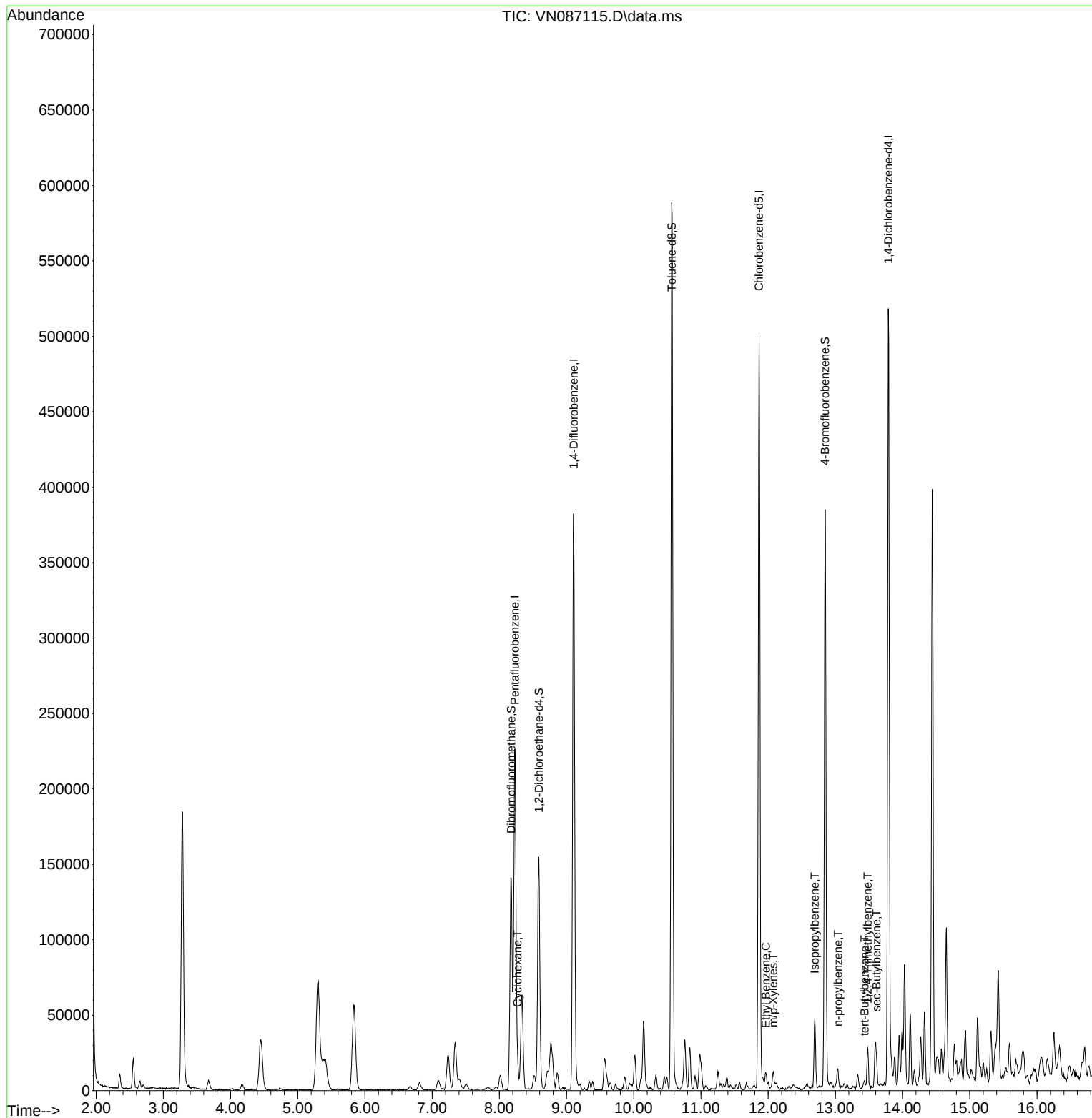
Internal Standards						
1) Pentafluorobenzene	8.230	168	174663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	354191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	128547	54.969	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.940%	
35) Dibromofluoromethane	8.177	113	108722	51.797	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.600%	
50) Toluene-d8	10.565	98	438995	52.831	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.660%	
62) 4-Bromofluorobenzene	12.847	95	152947	49.542	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.080%	
Target Compounds						
					Qvalue	
31) Cyclohexane	8.271	56	12761	3.364	ug/l	92
67) Ethyl Benzene	11.965	91	3775	0.310	ug/l	90
68) m/p-Xylenes	12.076	106	3962	0.849	ug/l	91
73) Isopropylbenzene	12.694	105	31867	2.871	ug/l	99
78) n-propylbenzene	13.041	91	11544	0.856	ug/l	98
83) tert-Butylbenzene	13.435	119	2521	0.301	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	16280	1.772	ug/l	98
85) sec-Butylbenzene	13.612	105	11304	0.928	ug/l #	56

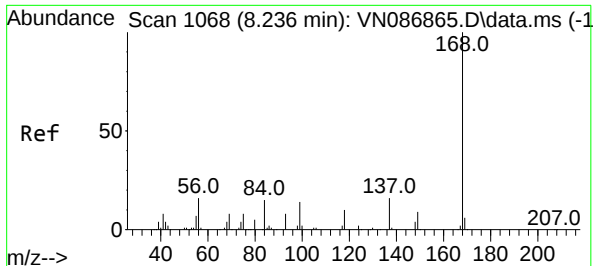
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-10

Quant Time: Jun 20 01:27:52 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

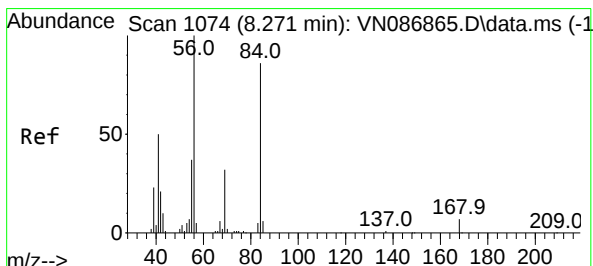
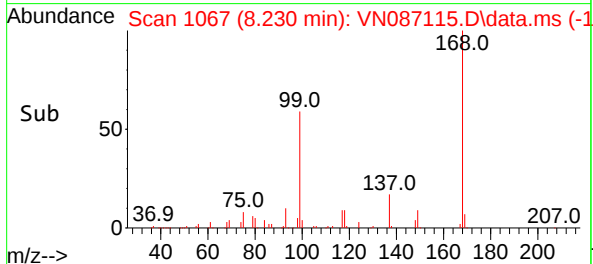
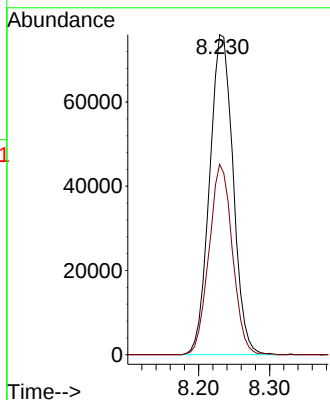
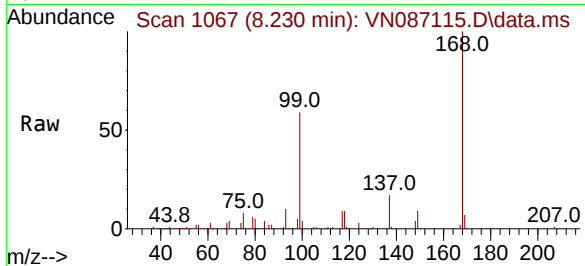




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087115.D
Acq: 19 Jun 2025 16:28

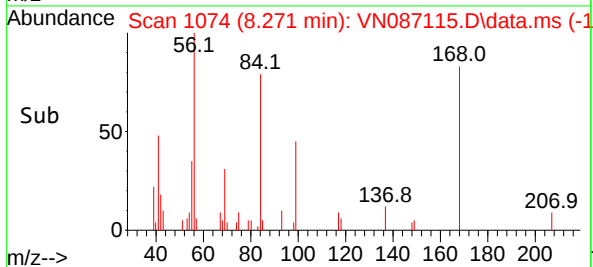
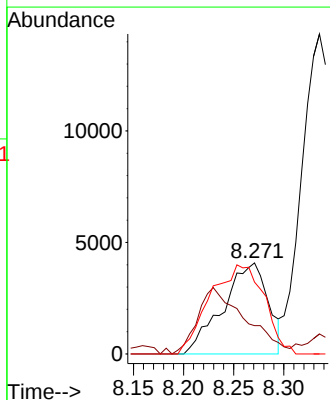
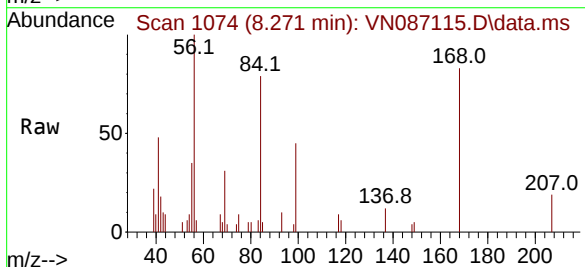
Instrument :
MSVOA_N
ClientSampleId :
MW-10

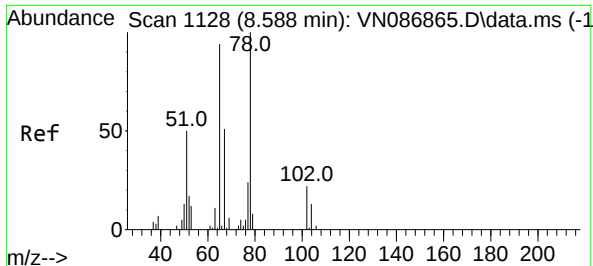
Tgt Ion:168 Resp: 174663
Ion Ratio Lower Upper
168 100
99 59.5 49.1 73.7



#31
Cyclohexane
Concen: 3.364 ug/l
RT: 8.271 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VN087115.D
Acq: 19 Jun 2025 16:28

Tgt Ion: 56 Resp: 12761
Ion Ratio Lower Upper
56 100
69 26.8 25.4 38.0
84 78.9 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 54.969 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087115.D

Acq: 19 Jun 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

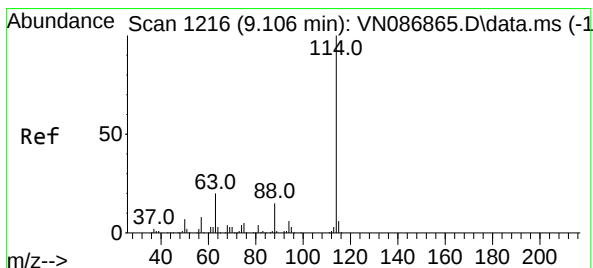
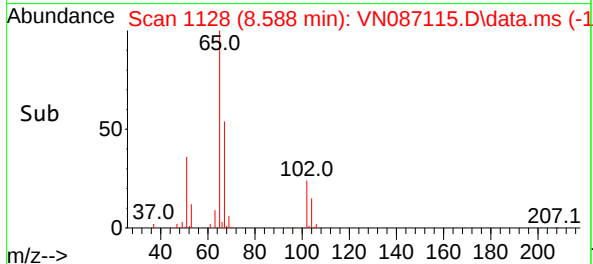
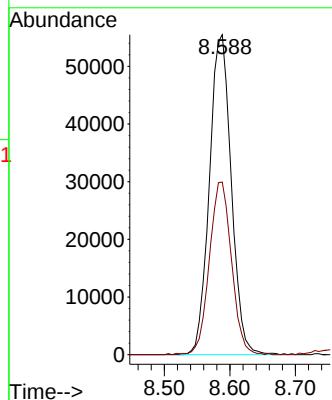
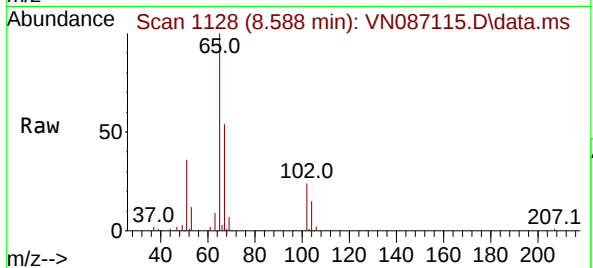
MW-10

Tgt Ion: 65 Resp: 128547

Ion Ratio Lower Upper

65 100

67 54.7 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: VN087115.D

Acq: 19 Jun 2025 16:28

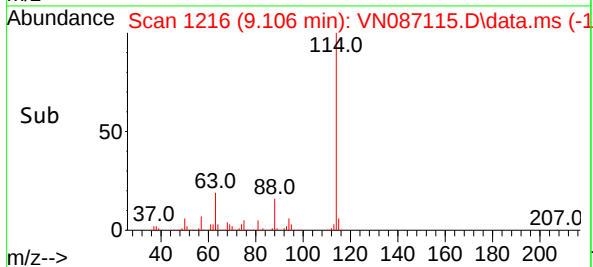
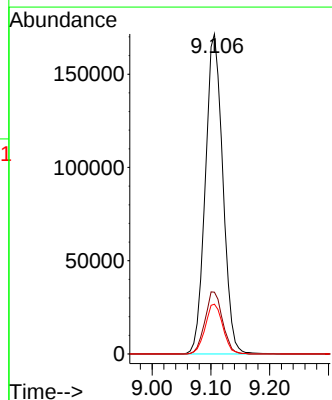
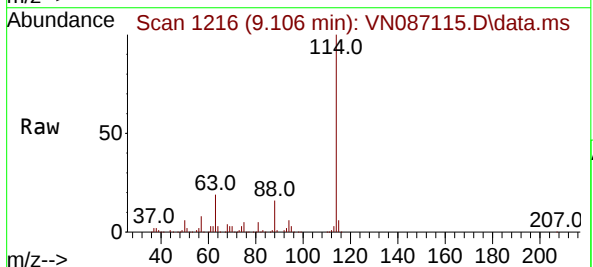
Tgt Ion: 114 Resp: 354191

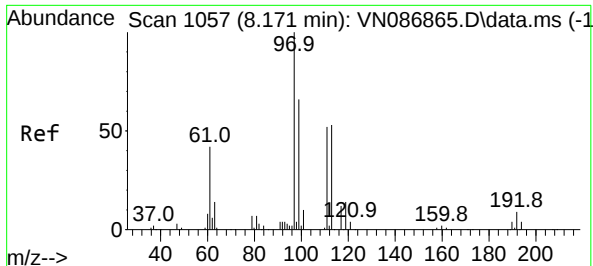
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.797 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN087115.D

Acq: 19 Jun 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

MW-10

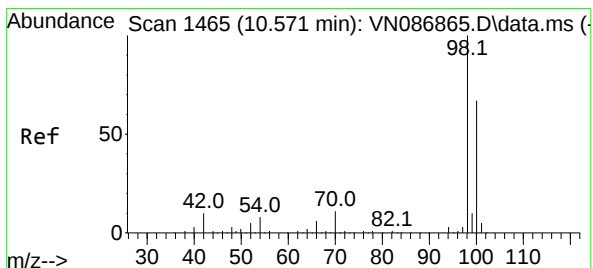
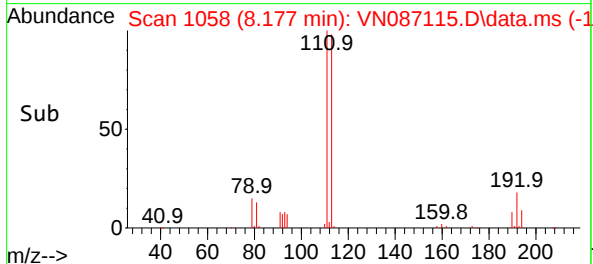
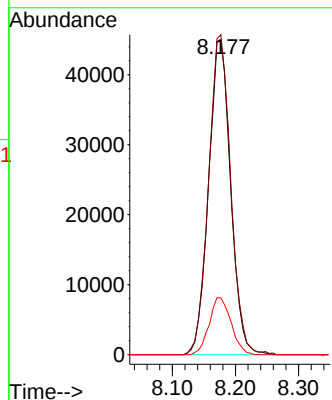
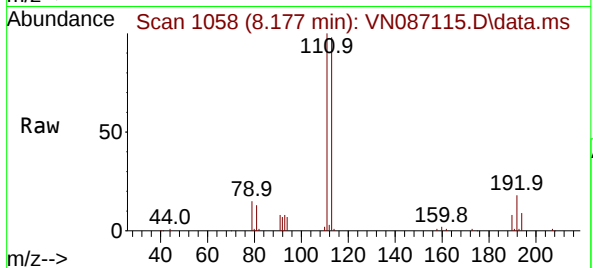
Tgt Ion:113 Resp: 108722

Ion Ratio Lower Upper

113 100

111 102.3 84.2 126.2

192 18.0 14.2 21.4



#50

Toluene-d8

Concen: 52.831 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087115.D

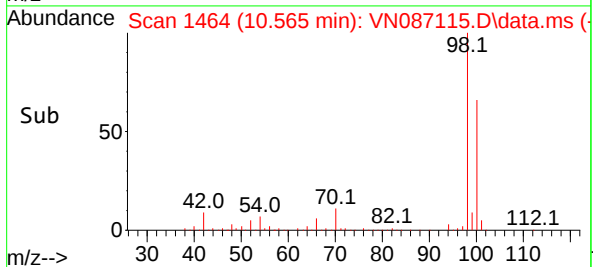
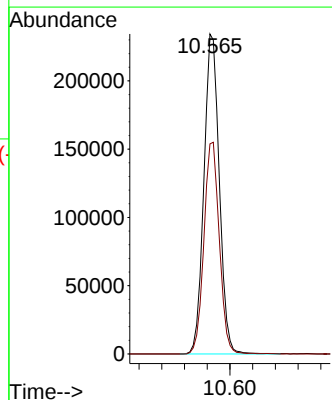
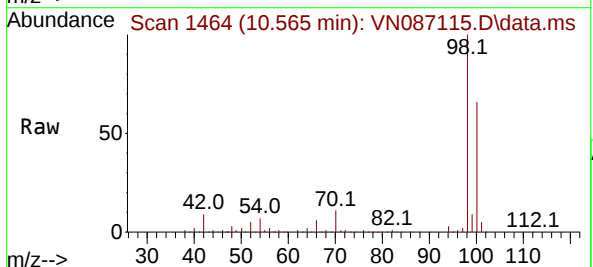
Acq: 19 Jun 2025 16:28

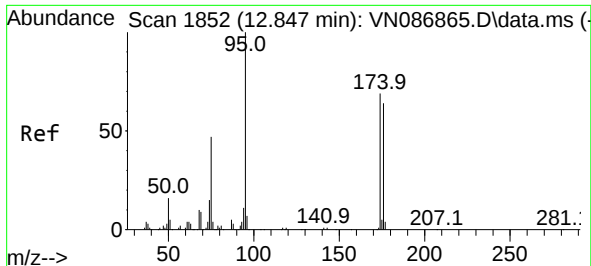
Tgt Ion: 98 Resp: 438995

Ion Ratio Lower Upper

98 100

100 66.1 53.4 80.0

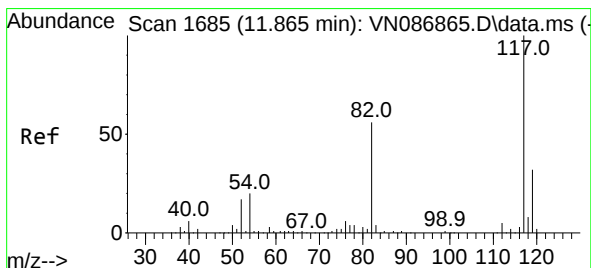
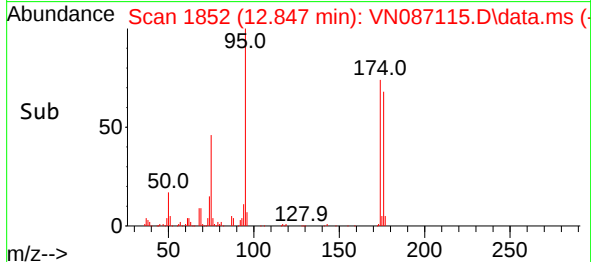
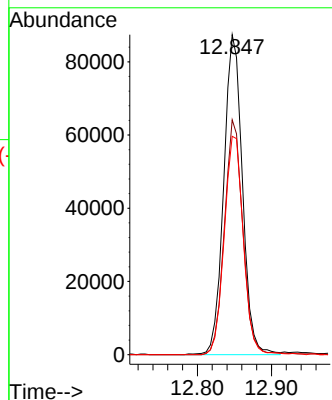
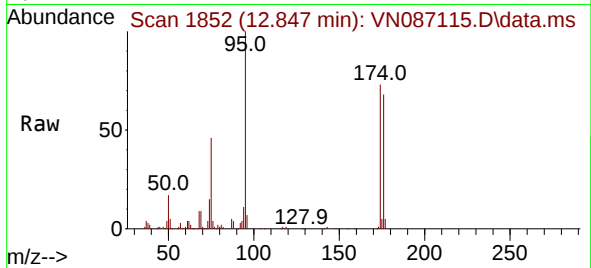




#62
4-Bromofluorobenzene
Concen: 49.542 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087115.D
Acq: 19 Jun 2025 16:28

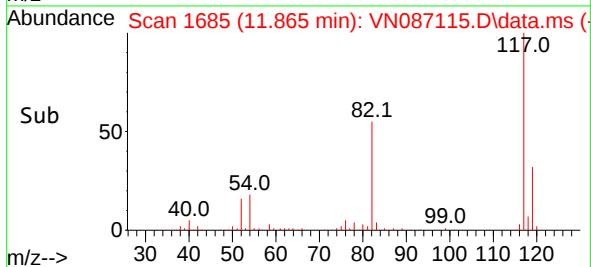
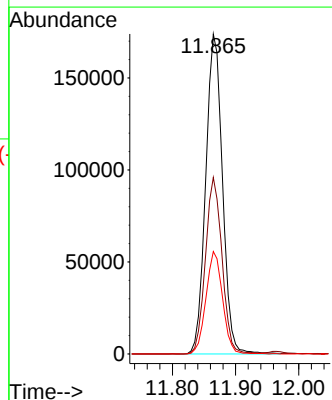
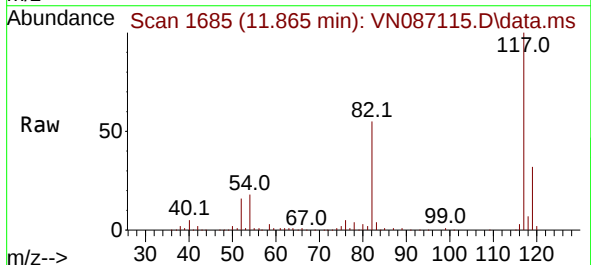
Instrument :
MSVOA_N
ClientSampleId :
MW-10

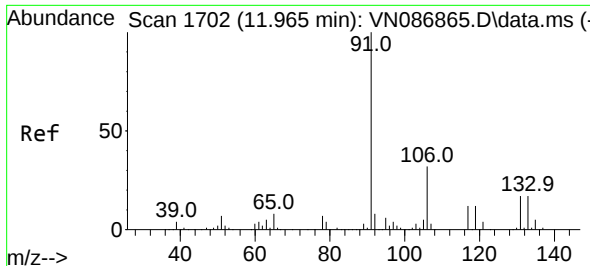
Tgt Ion: 95 Resp: 152947
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.8
176 69.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087115.D
Acq: 19 Jun 2025 16:28

Tgt Ion: 117 Resp: 320832
Ion Ratio Lower Upper
117 100
82 55.2 44.6 67.0
119 32.0 25.5 38.3

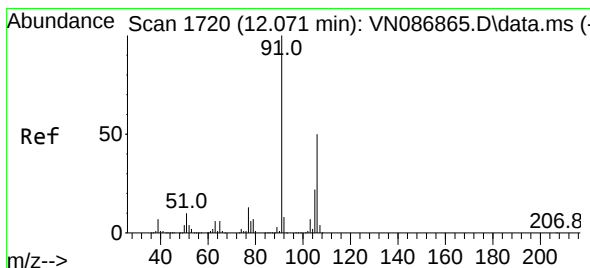
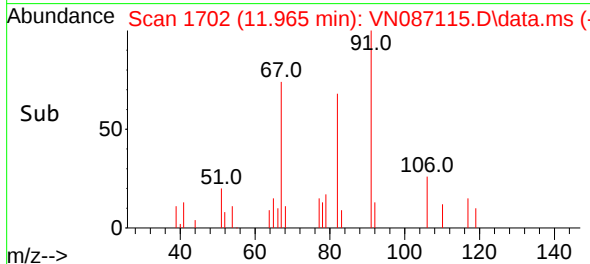
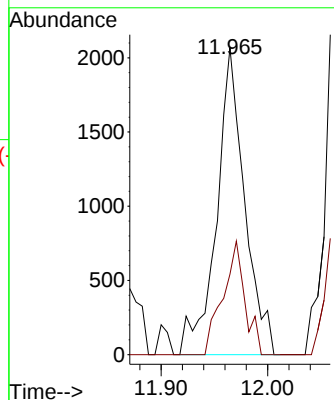
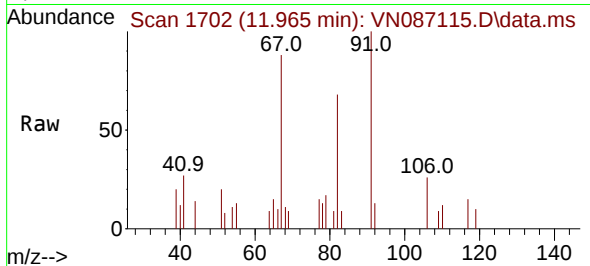




#67
Ethyl Benzene
Concen: 0.310 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087115.D
Acq: 19 Jun 2025 16:28

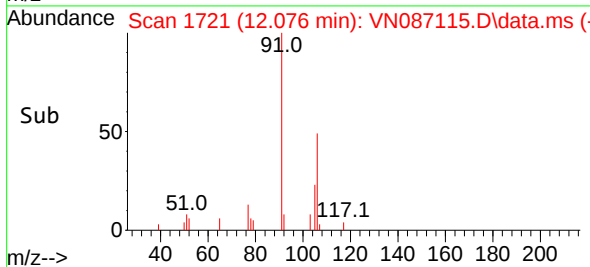
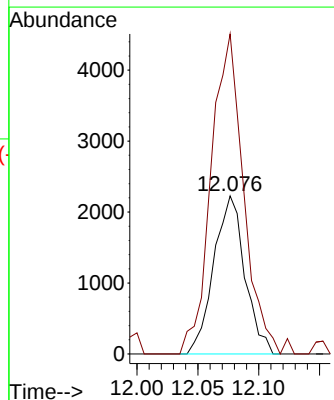
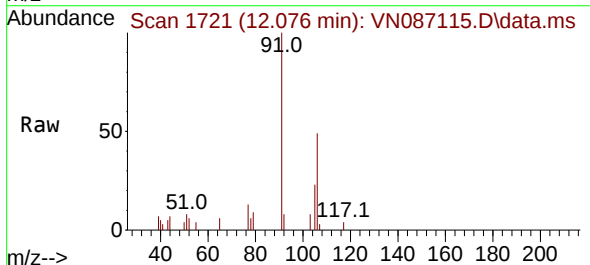
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ClientSampleId :
MW-10

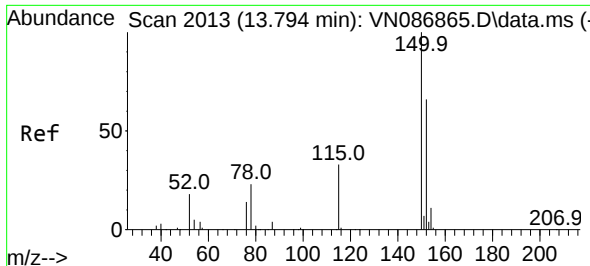
Tgt Ion: 91 Resp: 3775
Ion Ratio Lower Upper
91 100
106 26.2 25.4 38.2



#68
m/p-Xylenes
Concen: 0.849 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN087115.D
Acq: 19 Jun 2025 16:28

Tgt Ion:106 Resp: 3962
Ion Ratio Lower Upper
106 100
91 212.3 159.4 239.0

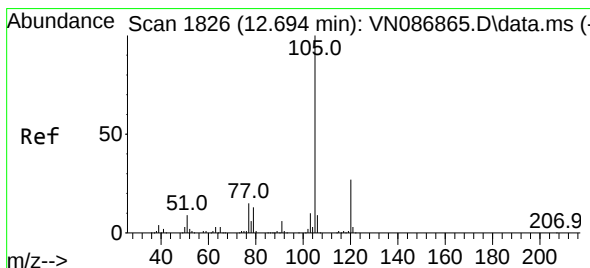
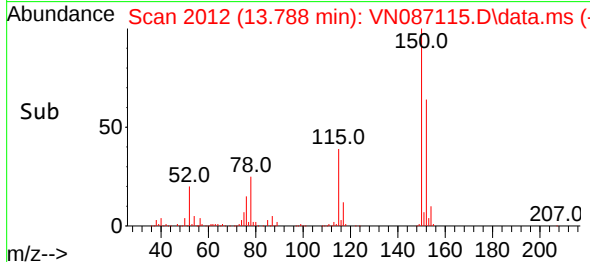
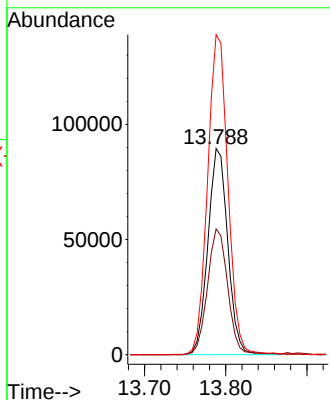
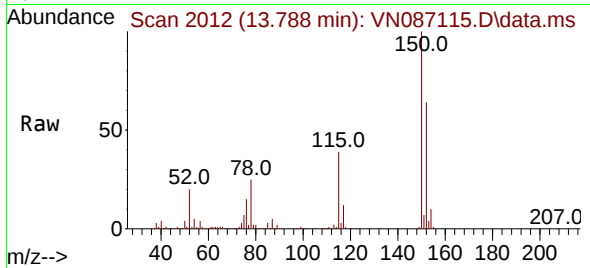




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: VN087115.D
 Acq: 19 Jun 2025 16:28

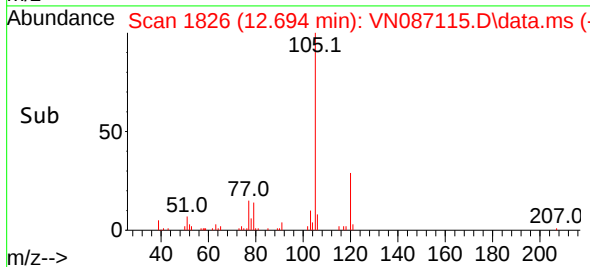
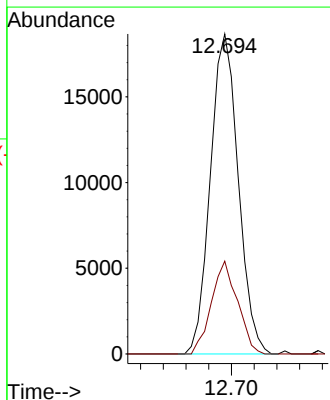
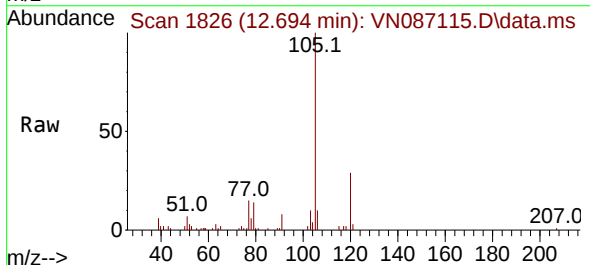
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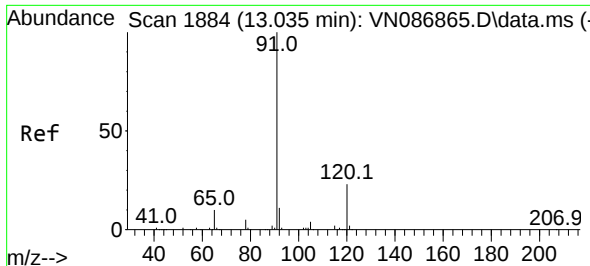
Tgt Ion:152 Resp: 152345
 Ion Ratio Lower Upper
 152 100
 115 62.3 30.1 90.5
 150 158.6 0.0 345.0



#73
 Isopropylbenzene
 Concen: 2.871 ug/l
 RT: 12.694 min Scan# 1826
 Delta R.T. -0.000 min
 Lab File: VN087115.D
 Acq: 19 Jun 2025 16:28

Tgt Ion:105 Resp: 31867
 Ion Ratio Lower Upper
 105 100
 120 27.2 13.5 40.4

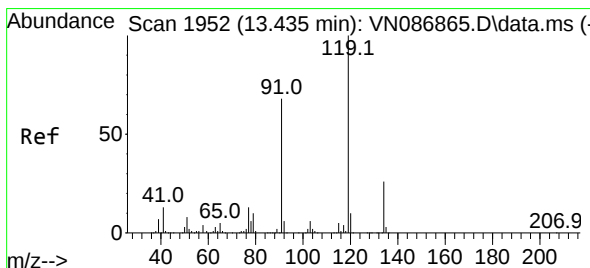
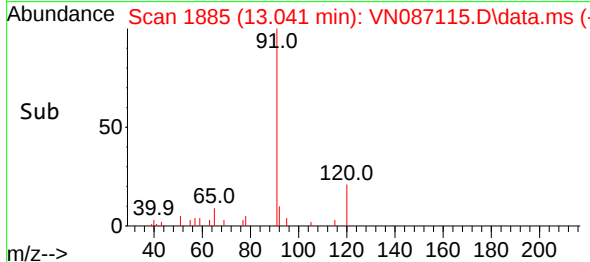
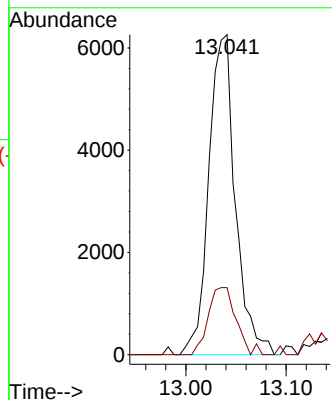
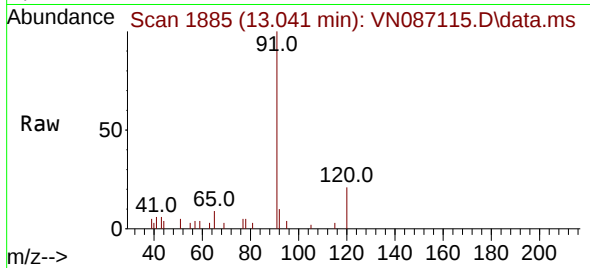




#78
n-propylbenzene
Concen: 0.856 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VN087115.D
Acq: 19 Jun 2025 16:28

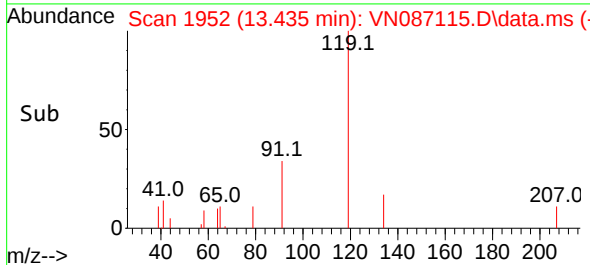
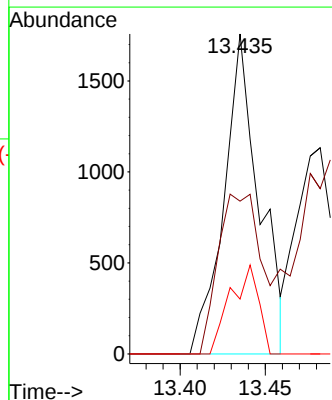
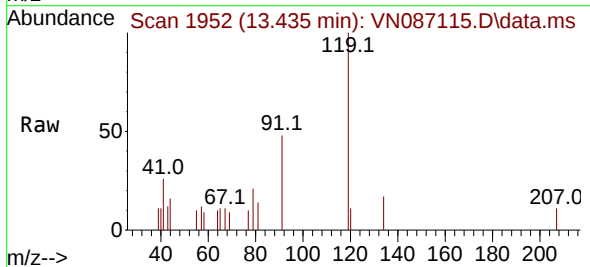
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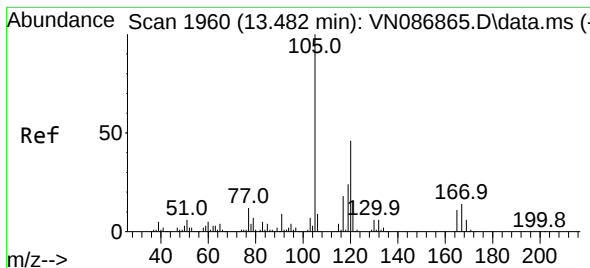
Tgt Ion: 91 Resp: 11544
Ion Ratio Lower Upper
91 100
120 21.9 11.4 34.2



#83
tert-Butylbenzene
Concen: 0.301 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN087115.D
Acq: 19 Jun 2025 16:28

Tgt Ion: 119 Resp: 2521
Ion Ratio Lower Upper
119 100
91 61.3 32.1 96.5
134 22.3 13.4 40.1





#84

1,2,4-Trimethylbenzene

Concen: 1.772 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN087115.D

Acq: 19 Jun 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

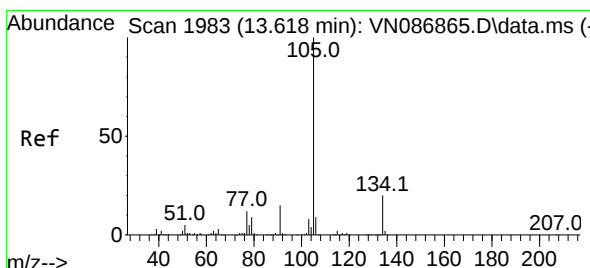
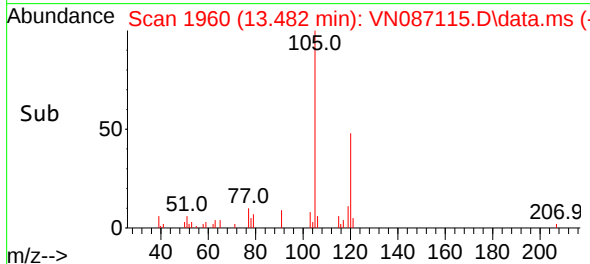
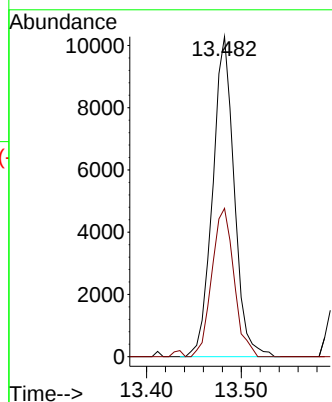
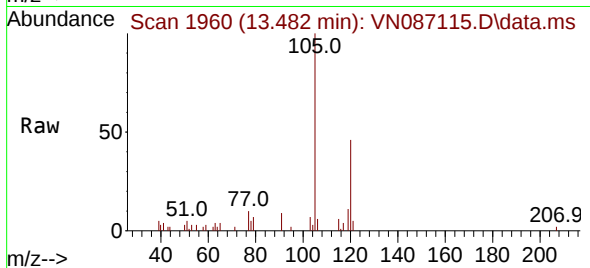
MW-10

Tgt Ion:105 Resp: 16280

Ion Ratio Lower Upper

105 100

120 47.5 23.2 69.6



#85

sec-Butylbenzene

Concen: 0.928 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.006 min

Lab File: VN087115.D

Acq: 19 Jun 2025 16:28

Tgt Ion:105 Resp: 11304

Ion Ratio Lower Upper

105 100

134 0.0 10.0 30.0#

