

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086956.D
 Acq On : 11 Jun 2025 18:04
 Operator : JC\MD
 Sample : Q2231-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16D-20250604

Quant Time: Jun 12 01:37:38 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)

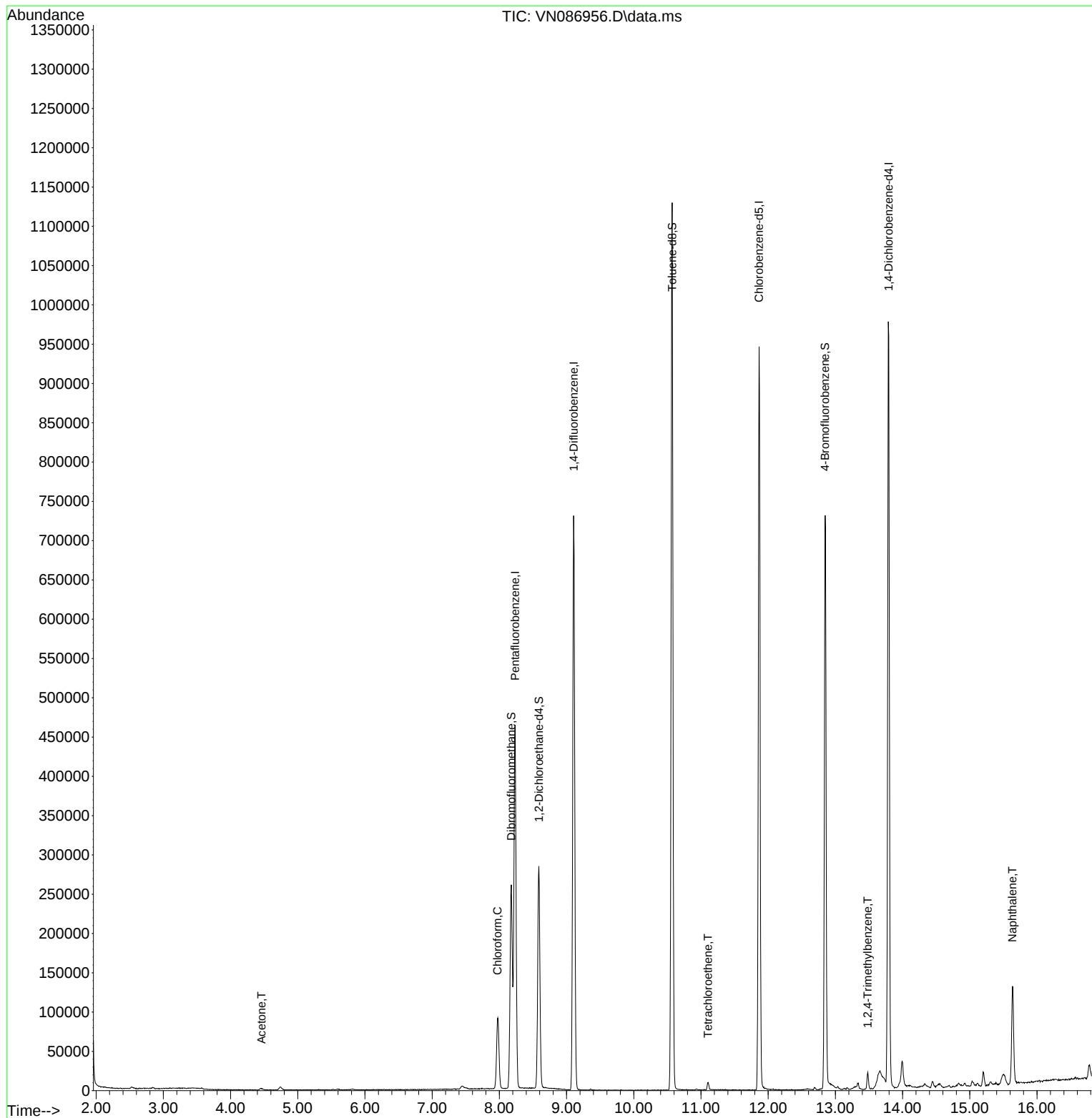
Internal Standards						
1) Pentafluorobenzene	8.235	168	369027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	692660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	610187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	297804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	228537	46.254	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.500%
35) Dibromofluoromethane	8.177	113	201982	49.206	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.420%
50) Toluene-d8	10.571	98	837063	51.511	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.020%
62) 4-Bromofluorobenzene	12.847	95	300711	49.808	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.620%
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	3952	1.508	ug/l #	85
30) Chloroform	7.971	83	96211	11.659	ug/l	94
64) Tetrachloroethene	11.106	164	2616	0.677	ug/l #	85
84) 1,2,4-Trimethylbenzene	13.482	105	13139	0.732	ug/l	100
95) Naphthalene	15.635	128	133024	5.951	ug/l	100

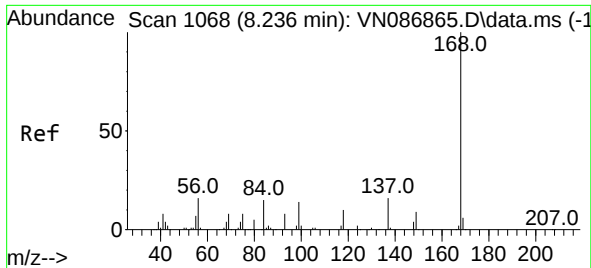
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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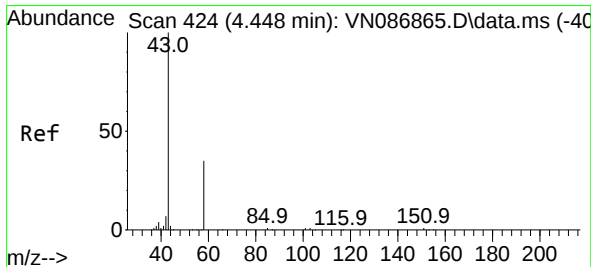
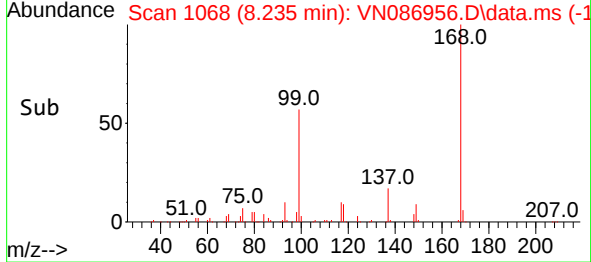
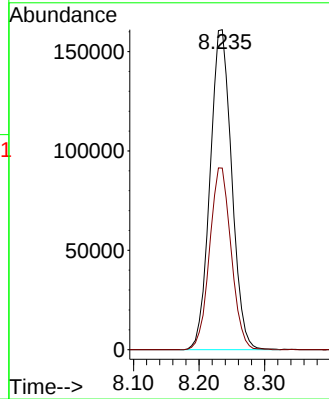
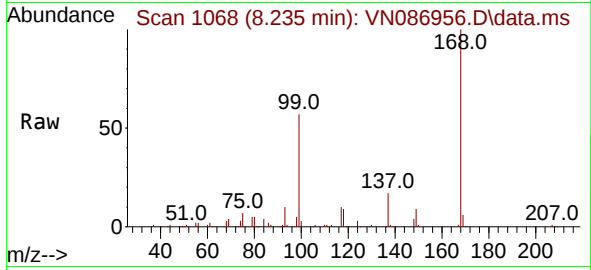




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086956.D
Acq: 11 Jun 2025 18:04

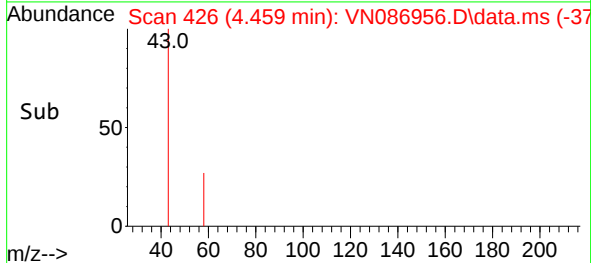
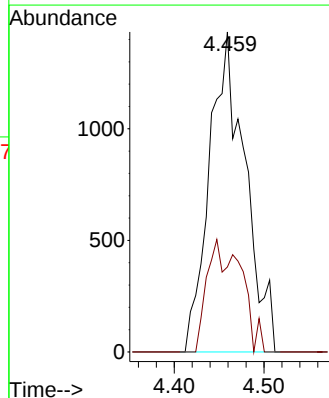
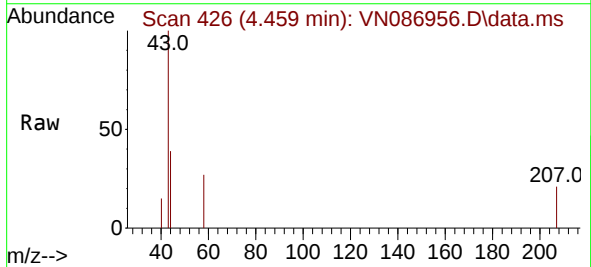
Instrument :
MSVOA_N
ClientSampleId :
MW-16D-20250604

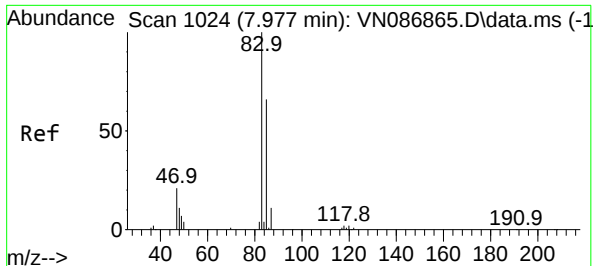
Tgt Ion:168 Resp: 369027
Ion Ratio Lower Upper
168 100
99 56.7 49.1 73.7



#16
Acetone
Concen: 1.508 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086956.D
Acq: 11 Jun 2025 18:04

Tgt Ion: 43 Resp: 3952
Ion Ratio Lower Upper
43 100
58 26.6 28.0 42.0#





#30

Chloroform

Concen: 11.659 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.006 min

Lab File: VN086956.D

Acq: 11 Jun 2025 18:04

Instrument :

MSVOA_N

ClientSampleId :

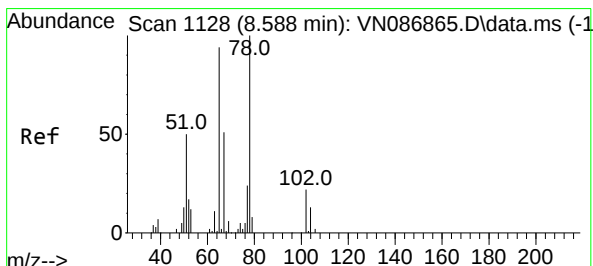
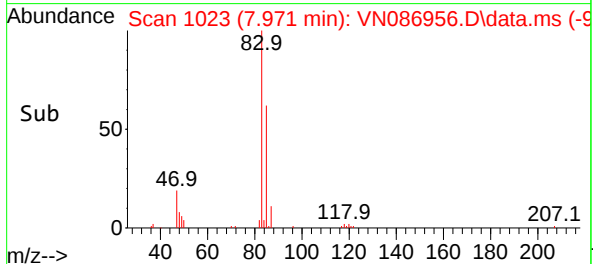
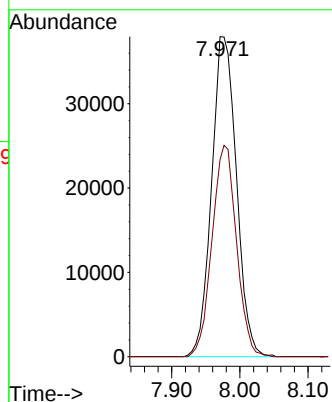
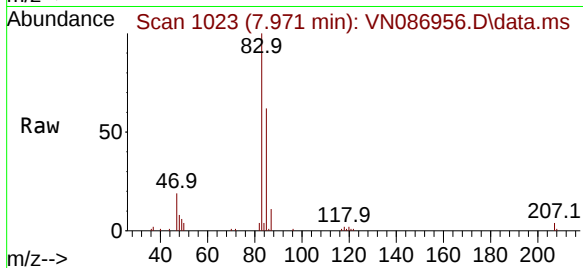
MW-16D-20250604

Tgt Ion: 83 Resp: 96211

Ion Ratio Lower Upper

83 100

85 61.6 52.9 79.3



#33

1,2-Dichloroethane-d4

Concen: 46.254 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086956.D

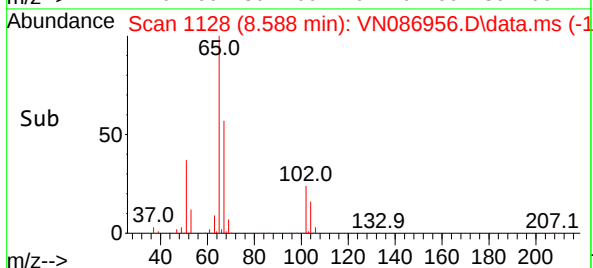
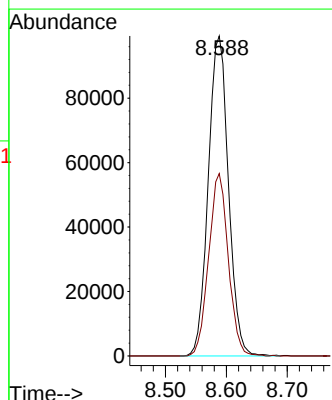
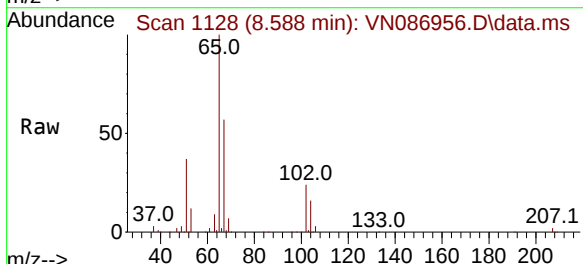
Acq: 11 Jun 2025 18:04

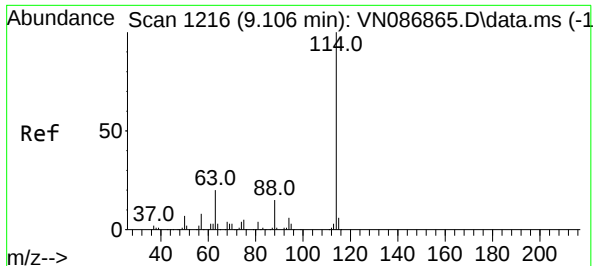
Tgt Ion: 65 Resp: 228537

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# 1

Delta R.T. -0.000 min

Lab File: VN086956.D

Acq: 11 Jun 2025 18:04

Instrument :

MSVOA_N

ClientSampleId :

MW-16D-20250604

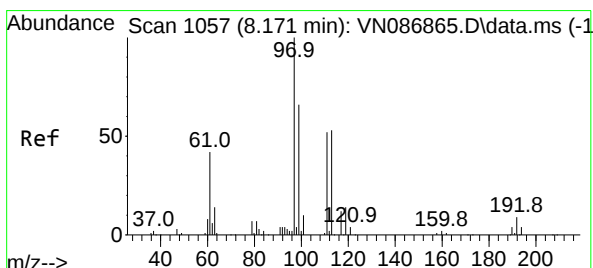
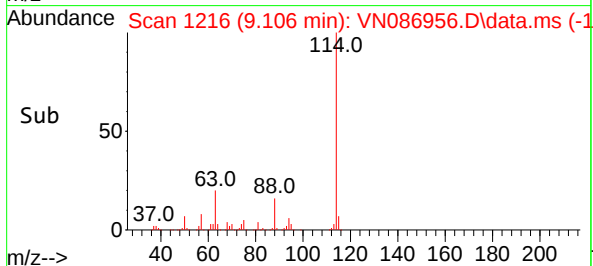
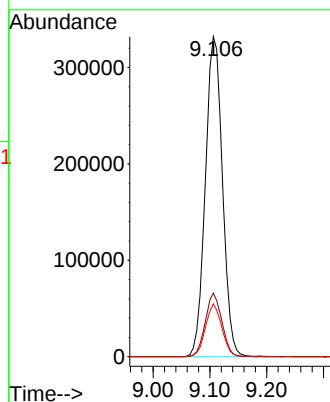
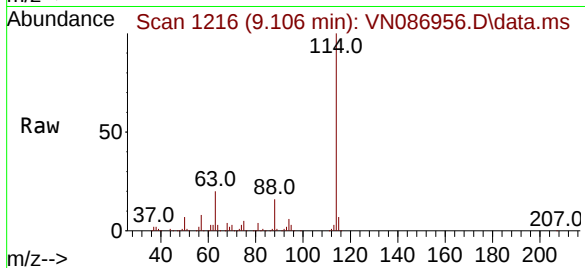
Tgt Ion:114 Resp: 692660

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 16.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.206 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086956.D

Acq: 11 Jun 2025 18:04

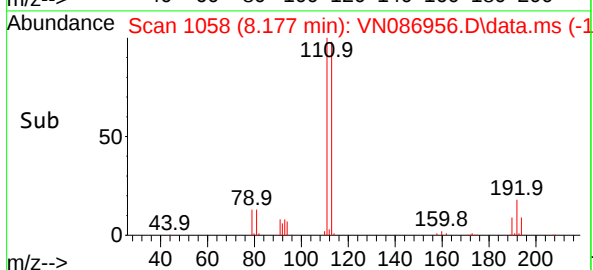
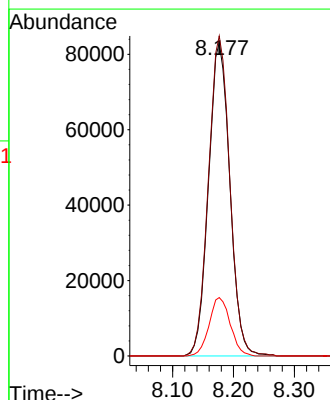
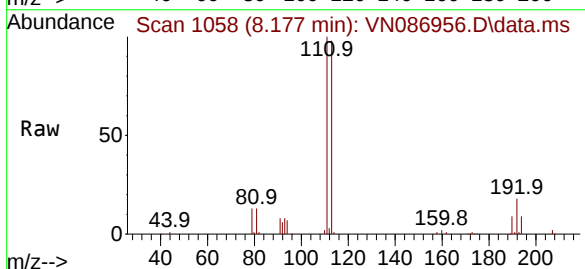
Tgt Ion:113 Resp: 201982

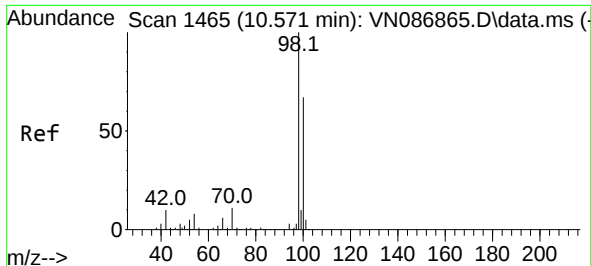
Ion Ratio Lower Upper

113 100

111 102.6 84.2 126.2

192 18.5 14.2 21.4

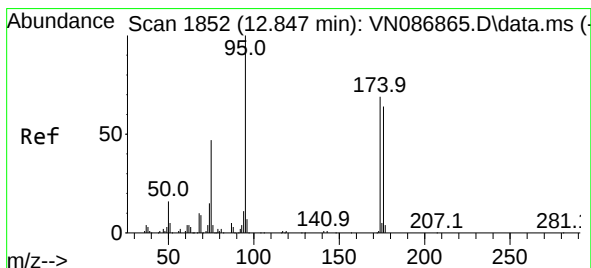
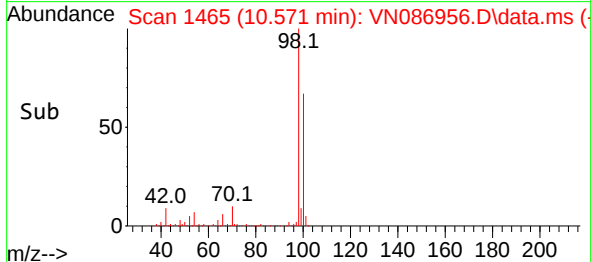
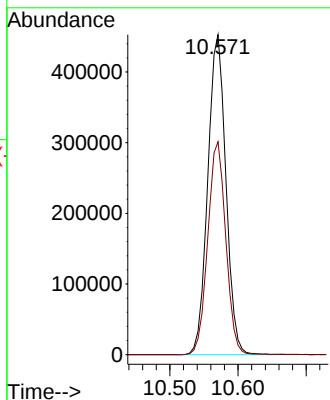
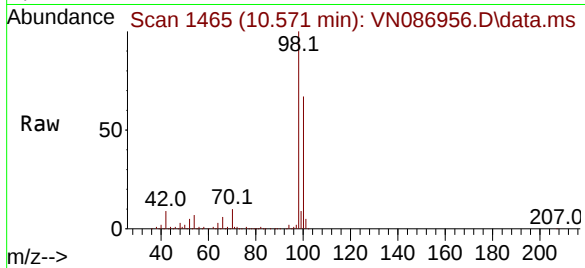




#50
Toluene-d8
Concen: 51.511 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086956.D
Acq: 11 Jun 2025 18:04

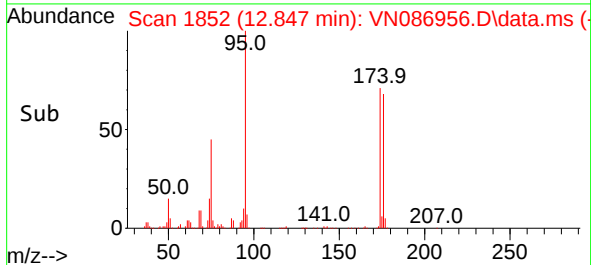
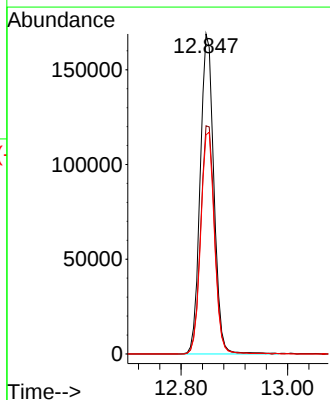
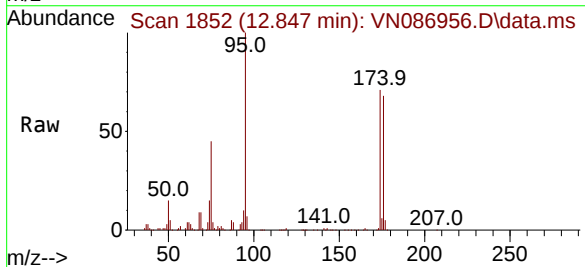
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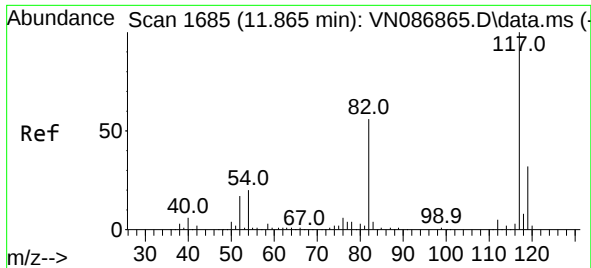
Tgt Ion: 98 Resp: 837063
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.808 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086956.D
Acq: 11 Jun 2025 18:04

Tgt Ion: 95 Resp: 300711
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.8
176 69.4 0.0 132.6

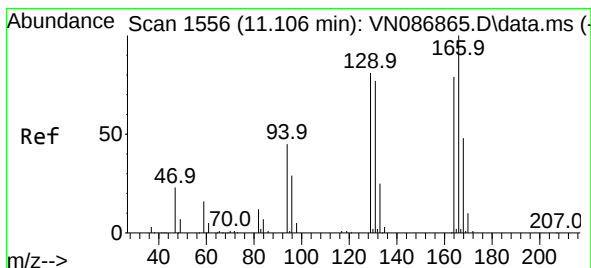
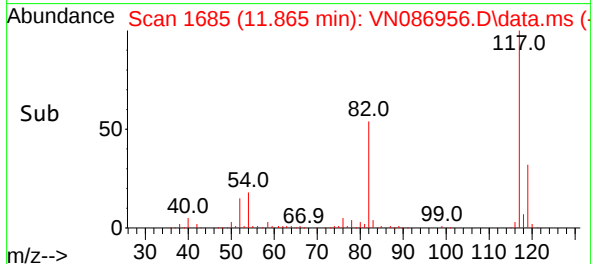
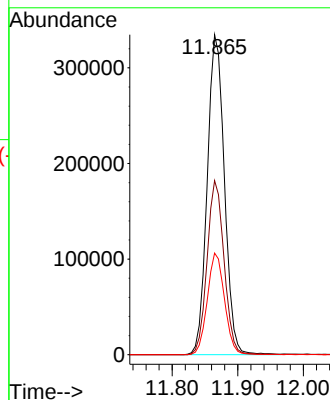
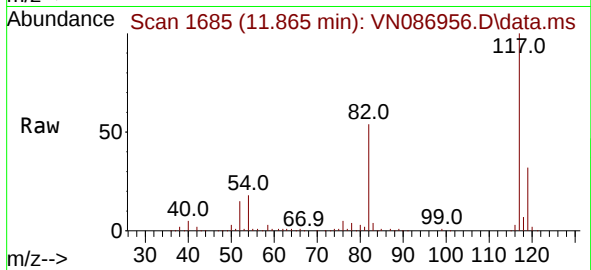




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086956.D
Acq: 11 Jun 2025 18:04

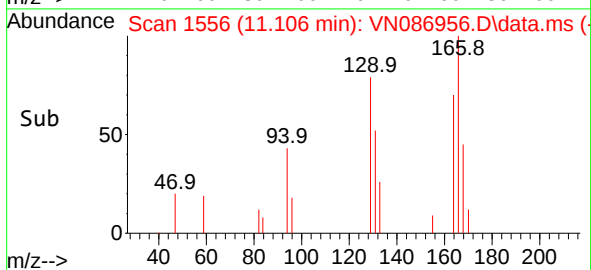
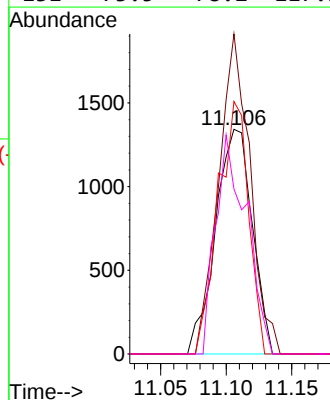
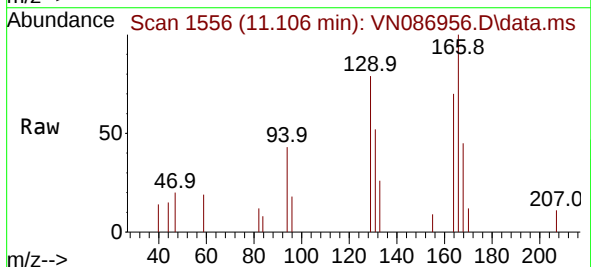
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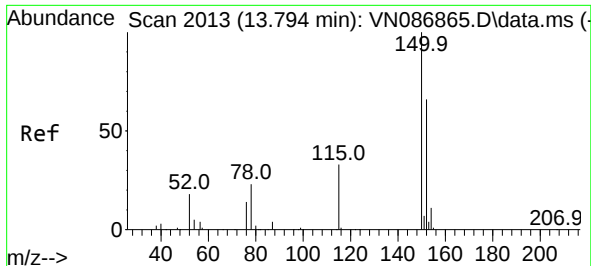
Tgt Ion:117	Resp:	610187
Ion	Ratio	Lower Upper
117	100	
82	54.4	44.6 67.0
119	31.7	25.5 38.3



#64
Tetrachloroethene
Concen: 0.677 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086956.D
Acq: 11 Jun 2025 18:04

Tgt Ion:164	Resp:	2616
Ion	Ratio	Lower Upper
164	100	
166	142.5	101.8 152.8
129	112.4	83.0 124.4
131	73.5	78.2 117.2#

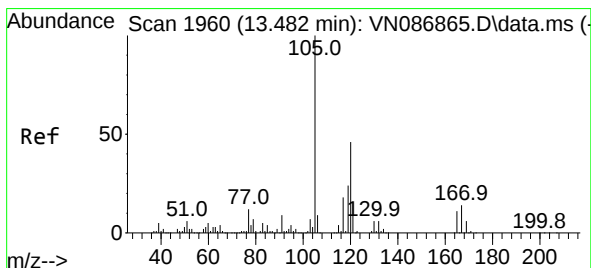
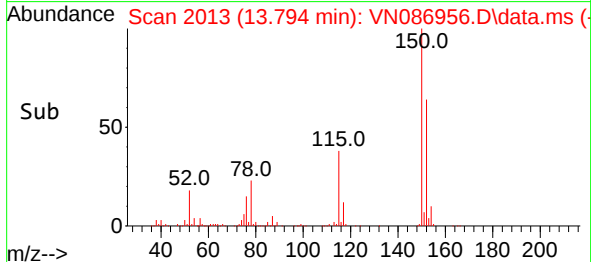
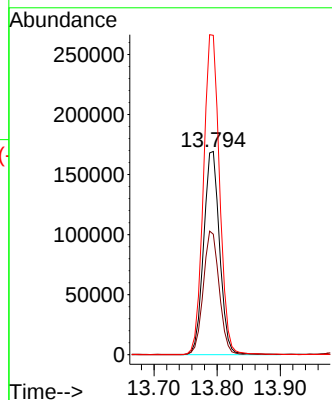
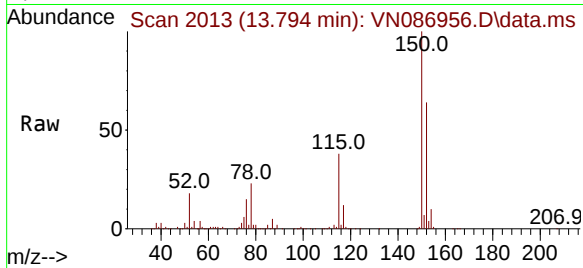




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN086956.D
 Acq: 11 Jun 2025 18:04

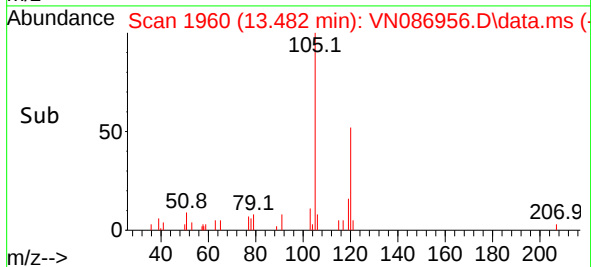
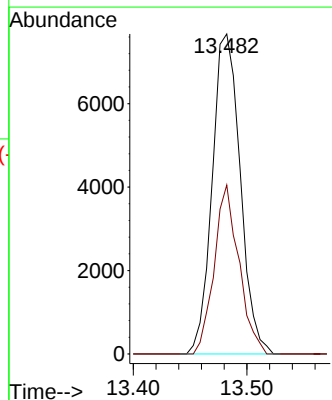
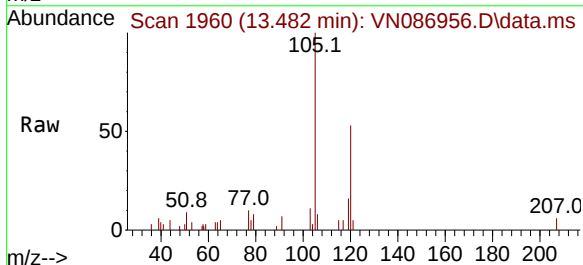
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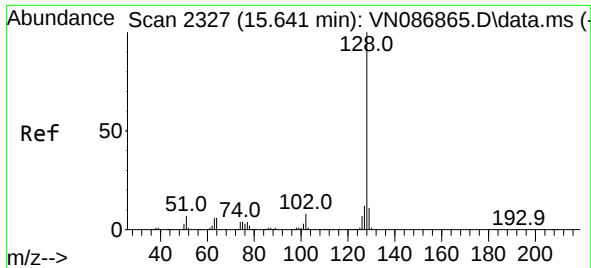
Tgt Ion:152 Resp: 297804
 Ion Ratio Lower Upper
 152 100
 115 60.0 30.1 90.5
 150 158.5 0.0 345.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.732 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN086956.D
 Acq: 11 Jun 2025 18:04

Tgt Ion:105 Resp: 13139
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.6





#95

Naphthalene

Concen: 5.951 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086956.D

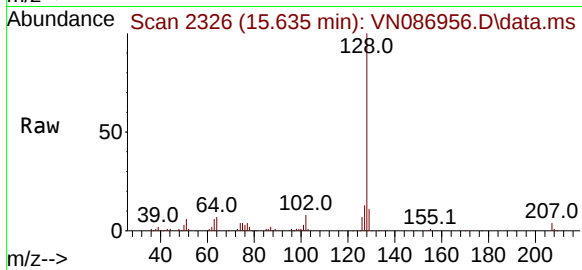
Acq: 11 Jun 2025 18:04

Instrument :

MSVOA_N

ClientSampleId :

MW-16D-20250604



Tgt Ion:128 Resp: 133024

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 11.2 8.8 13.2

