

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086957.D
 Acq On : 11 Jun 2025 18:26
 Operator : JC\MD
 Sample : Q2231-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-17-20250604

Quant Time: Jun 12 01:37:59 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)

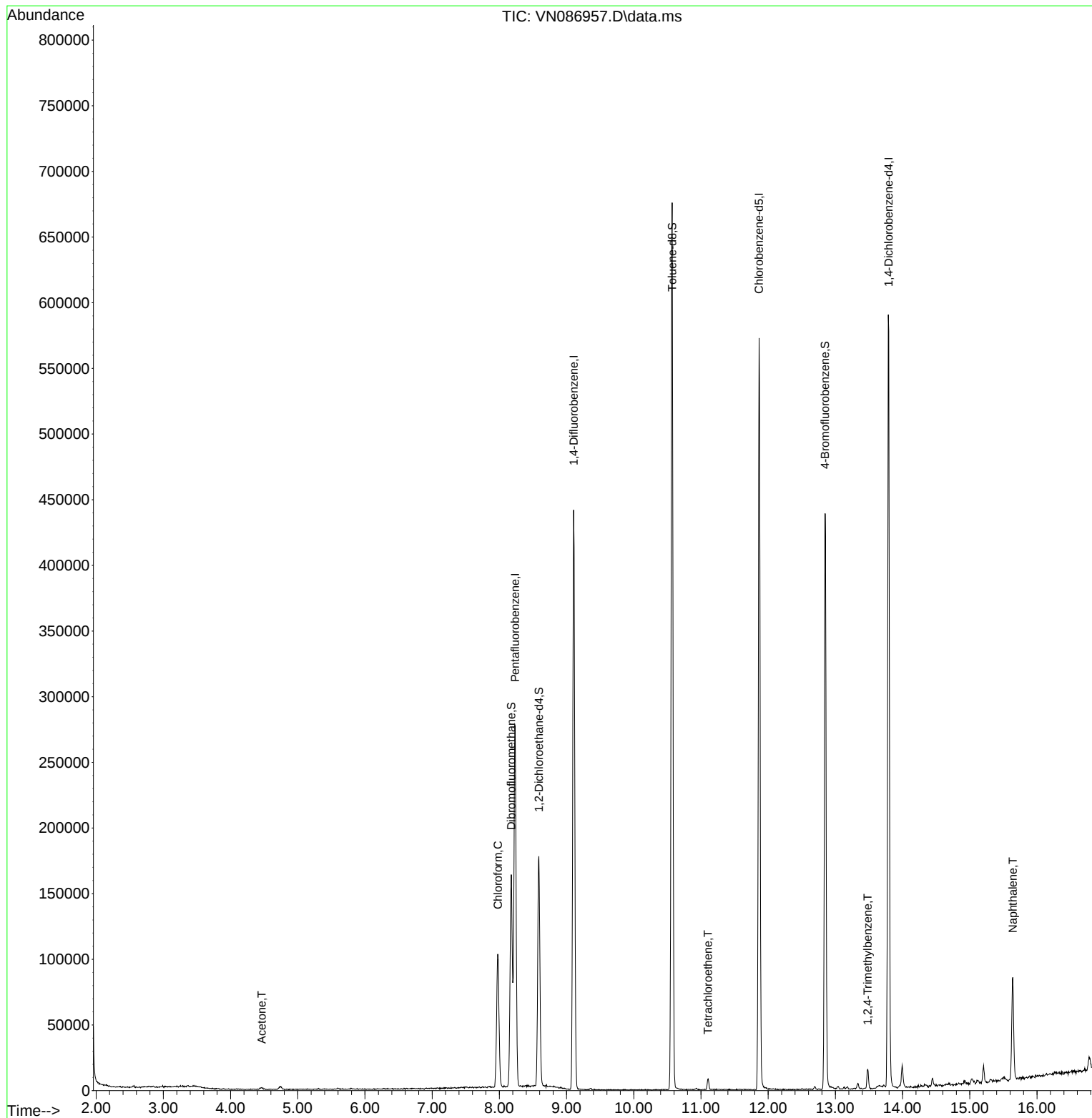
Internal Standards						
1) Pentafluorobenzene	8.235	168	224021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	365651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	144229	48.086	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.180%
35) Dibromofluoromethane	8.177	113	123894	49.989	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.980%
50) Toluene-d8	10.571	98	503710	51.339	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.680%
62) 4-Bromofluorobenzene	12.847	95	181261	49.726	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.460%
Target Compounds						
					Qvalue	
16) Acetone	4.465	43	2674	1.681	ug/l #	85
30) Chloroform	7.977	83	106785	21.316	ug/l	98
64) Tetrachloroethene	11.106	164	2147	0.928	ug/l	88
84) 1,2,4-Trimethylbenzene	13.482	105	9908	0.922	ug/l	97
95) Naphthalene	15.641	128	81884	6.124	ug/l	99

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

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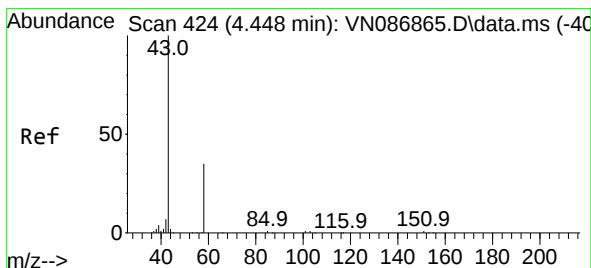
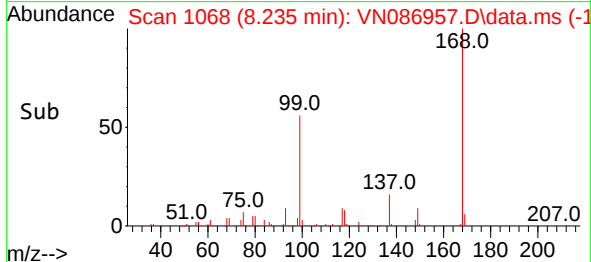
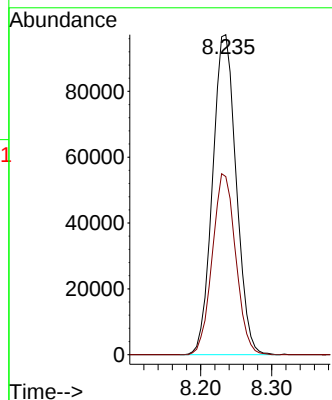
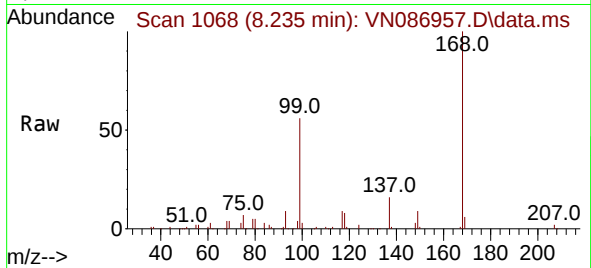




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

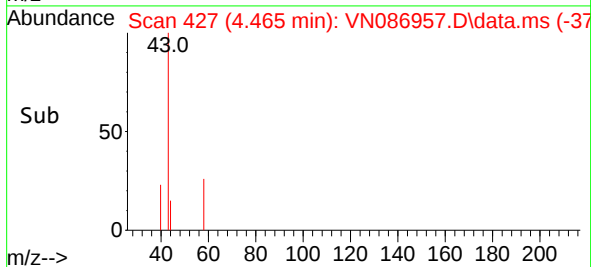
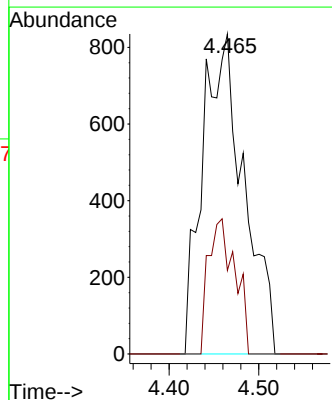
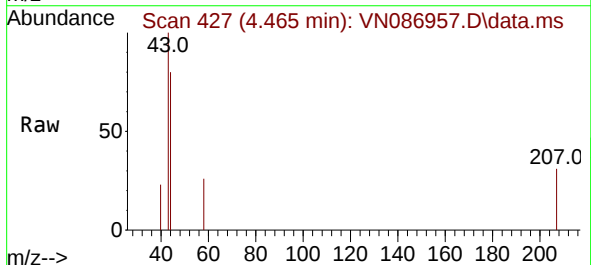
Instrument :
MSVOA_N
ClientSampleId :
MW-17-20250604

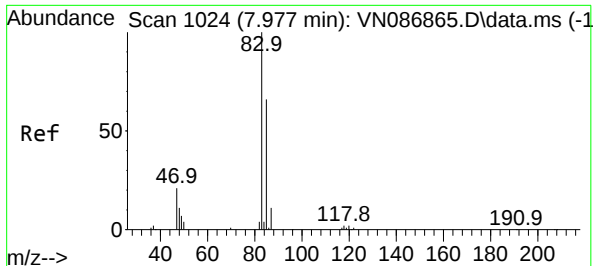
Tgt Ion:168 Resp: 224021
Ion Ratio Lower Upper
168 100
99 55.7 49.1 73.7



#16
Acetone
Concen: 1.681 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.017 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

Tgt Ion: 43 Resp: 2674
Ion Ratio Lower Upper
43 100
58 26.1 28.0 42.0#





#30

Chloroform

Concen: 21.316 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. -0.000 min

Lab File: VN086957.D

Acq: 11 Jun 2025 18:26

Instrument :

MSVOA_N

ClientSampleId :

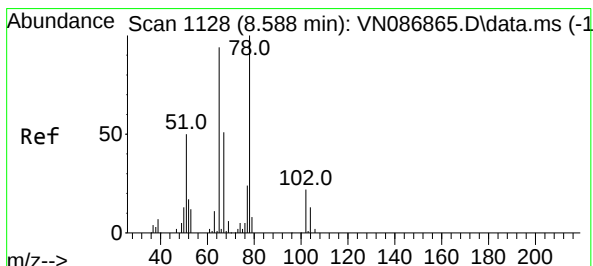
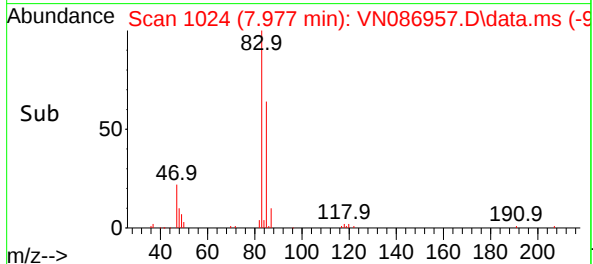
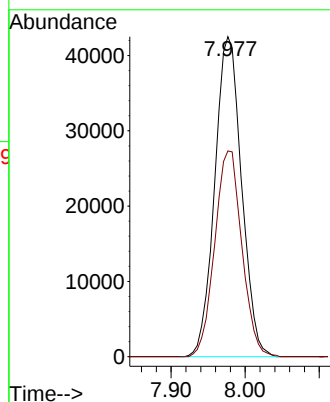
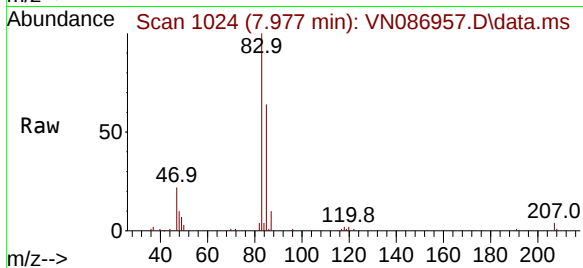
MW-17-20250604

Tgt Ion: 83 Resp: 106785

Ion Ratio Lower Upper

83 100

85 64.3 52.9 79.3



#33

1,2-Dichloroethane-d4

Concen: 48.086 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086957.D

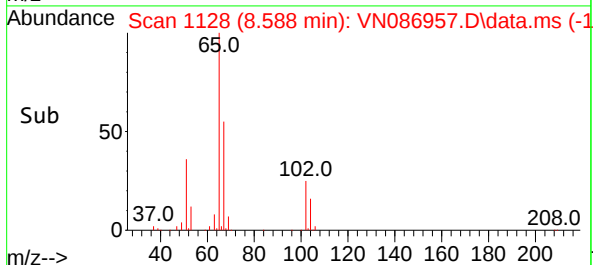
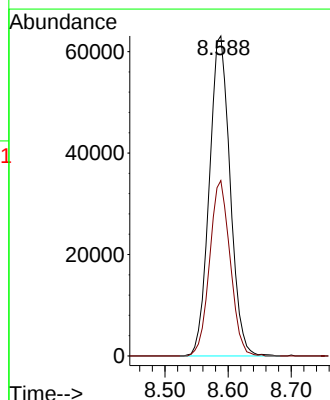
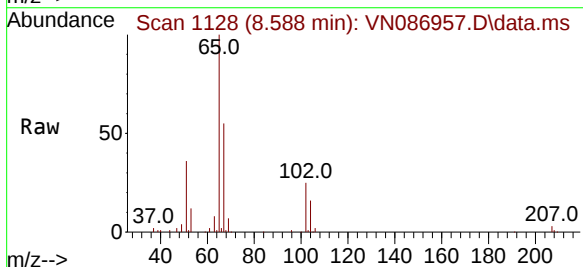
Acq: 11 Jun 2025 18:26

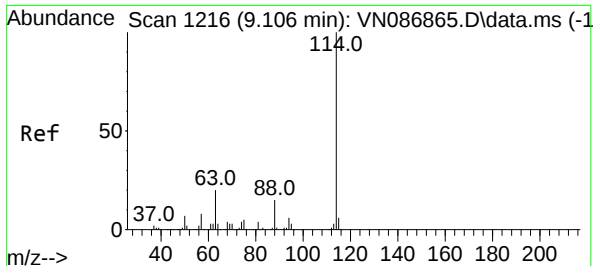
Tgt Ion: 65 Resp: 144229

Ion Ratio Lower Upper

65 100

67 54.1 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: VN086957.D

Acq: 11 Jun 2025 18:26

Instrument :

MSVOA_N

ClientSampleId :

MW-17-20250604

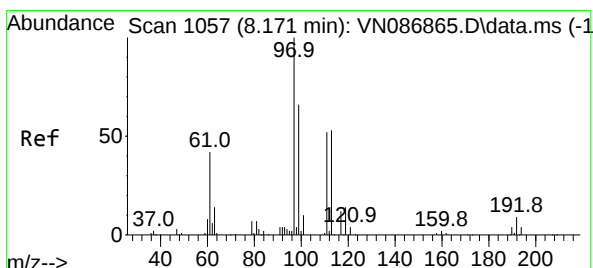
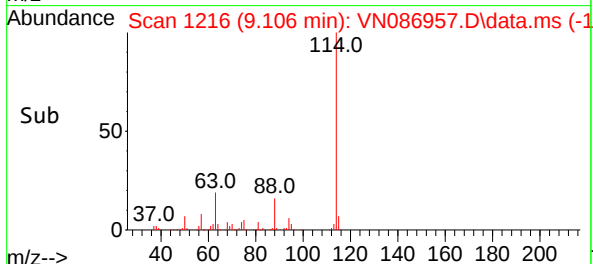
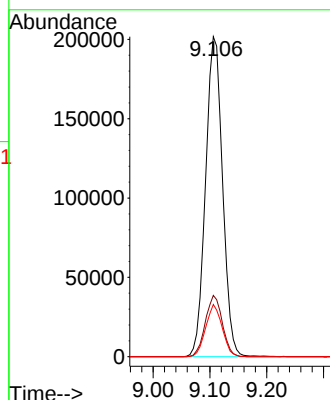
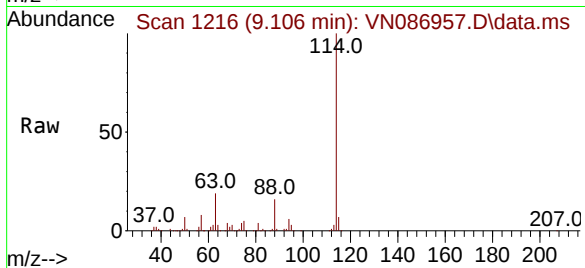
Tgt Ion:114 Resp: 418211

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 16.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.989 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086957.D

Acq: 11 Jun 2025 18:26

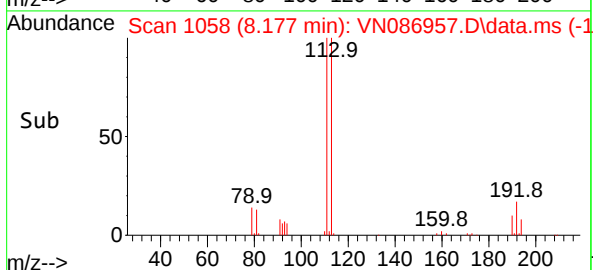
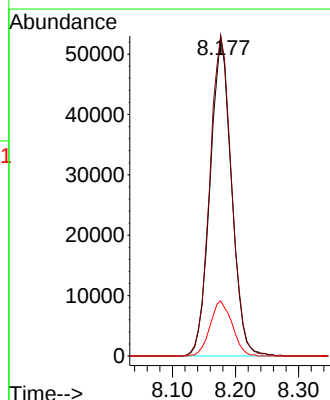
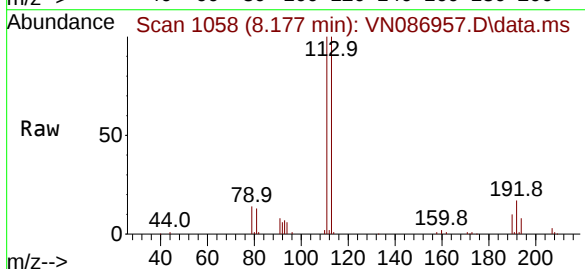
Tgt Ion:113 Resp: 123894

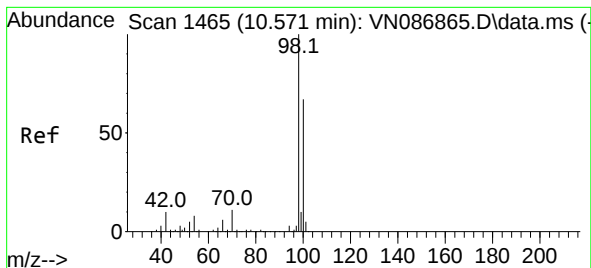
Ion Ratio Lower Upper

113 100

111 102.8 84.2 126.2

192 17.8 14.2 21.4





#50

Toluene-d8

Concen: 51.339 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN086957.D

Acq: 11 Jun 2025 18:26

Instrument :

MSVOA_N

ClientSampleId :

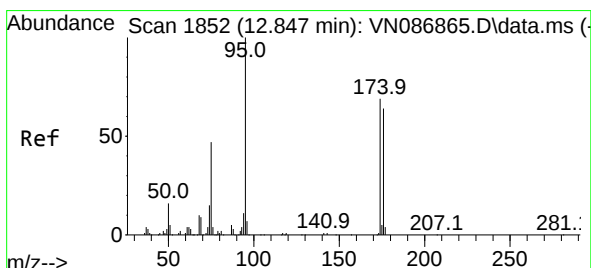
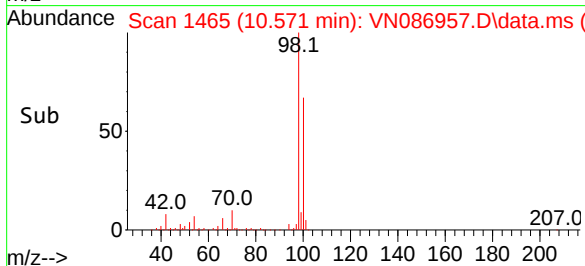
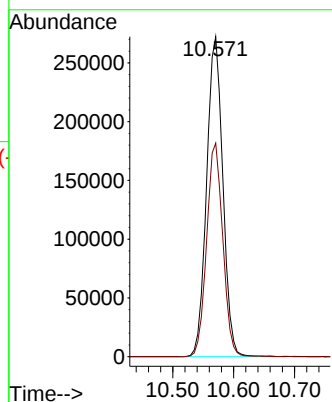
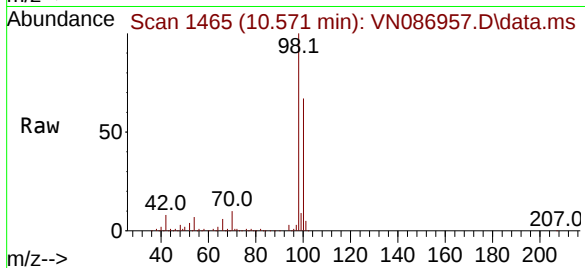
MW-17-20250604

Tgt Ion: 98 Resp: 503710

Ion Ratio Lower Upper

98 100

100 66.5 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 49.726 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086957.D

Acq: 11 Jun 2025 18:26

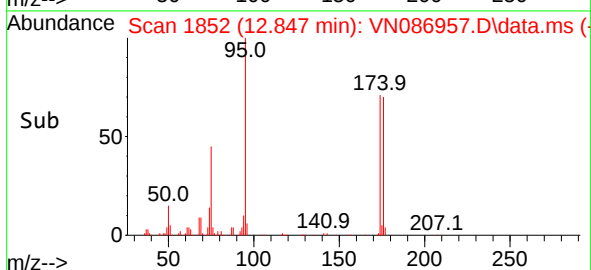
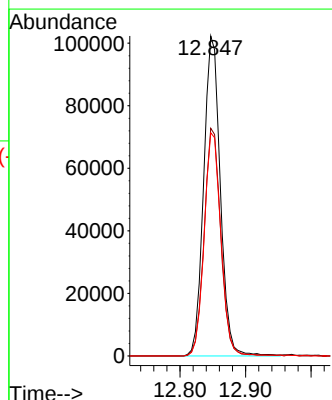
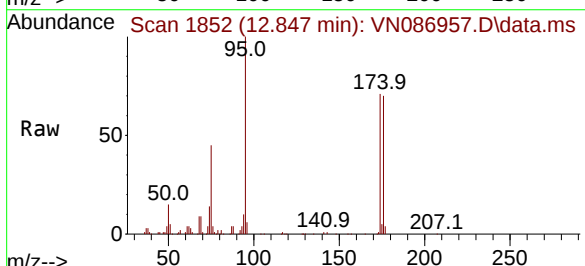
Tgt Ion: 95 Resp: 181261

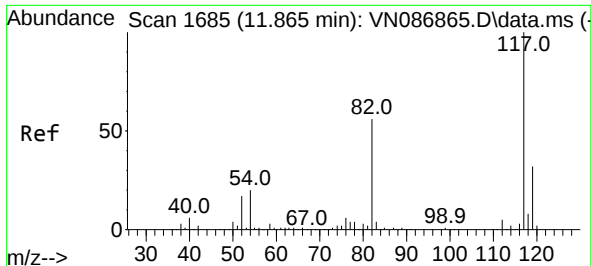
Ion Ratio Lower Upper

95 100

174 70.9 0.0 141.8

176 70.0 0.0 132.6

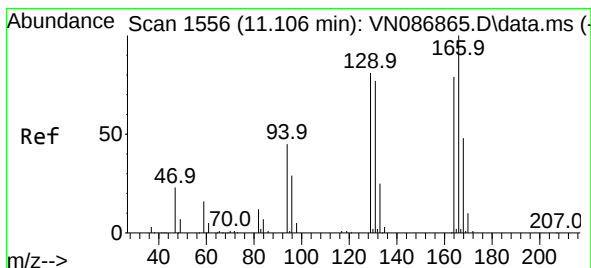
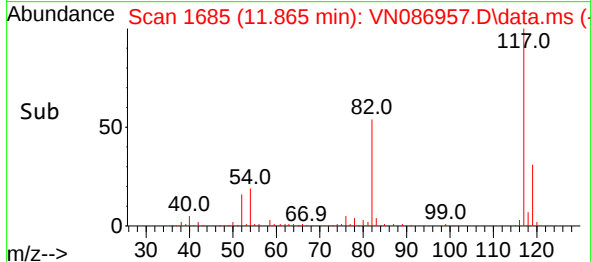
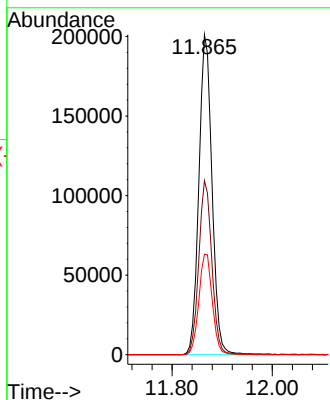
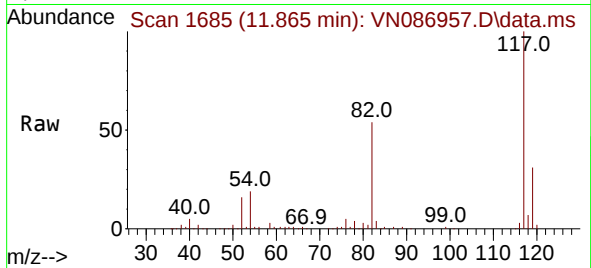




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

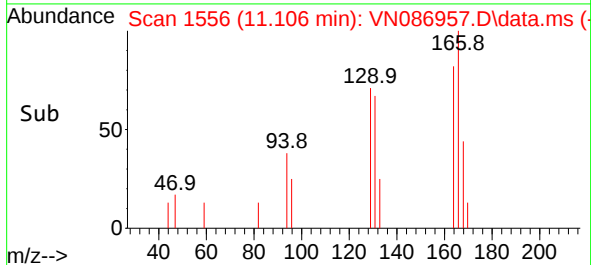
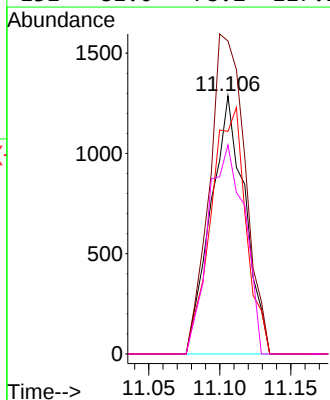
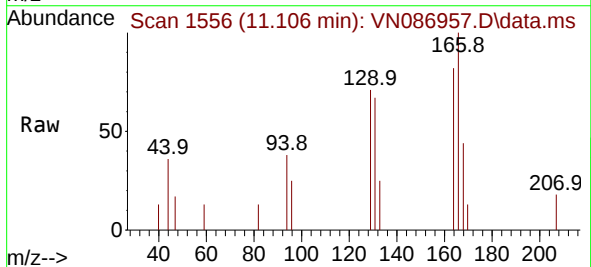
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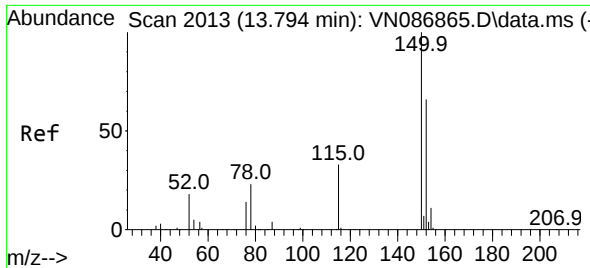
Tgt Ion:117 Resp: 365651
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 31.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.928 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

Tgt Ion:164 Resp: 2147
Ion Ratio Lower Upper
164 100
166 121.3 101.8 152.8
129 86.2 83.0 124.4
131 81.0 78.2 117.2

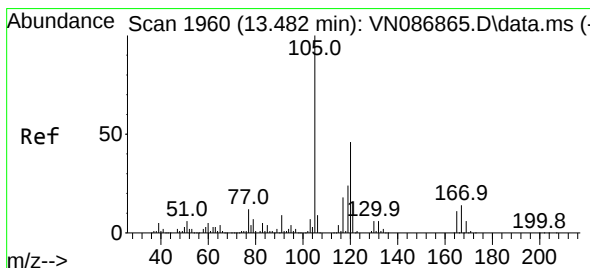
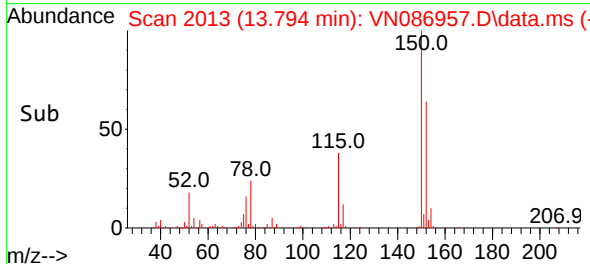
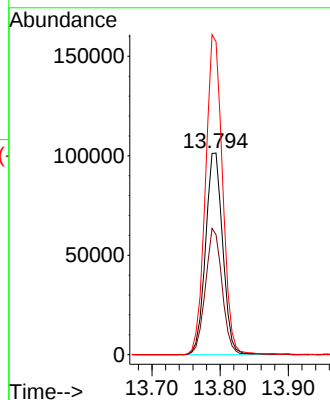
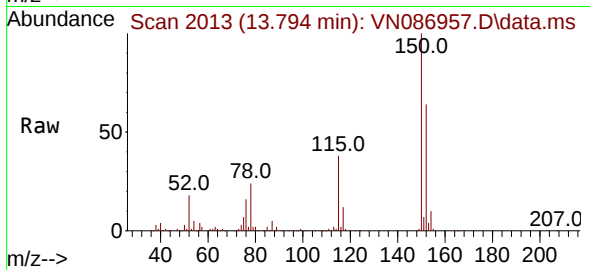




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN086957.D
 Acq: 11 Jun 2025 18:26

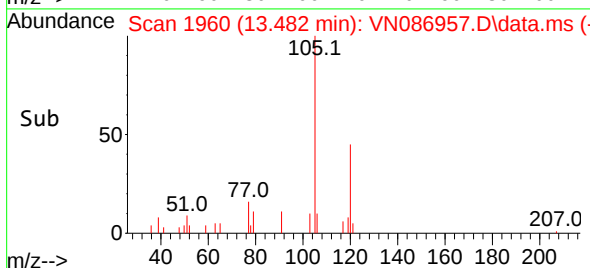
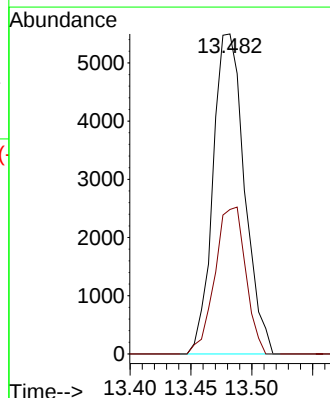
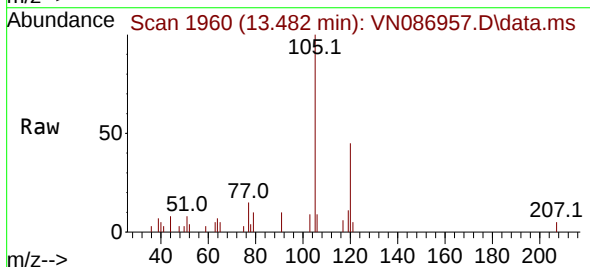
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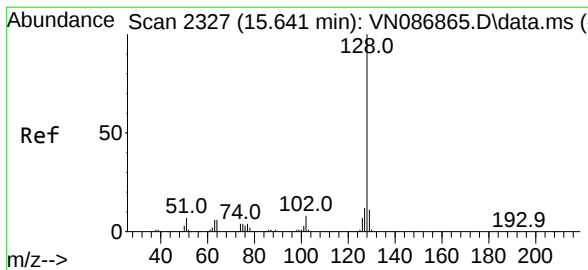
Tgt Ion:152 Resp: 178134
 Ion Ratio Lower Upper
 152 100
 115 61.1 30.1 90.5
 150 157.4 0.0 345.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.922 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN086957.D
 Acq: 11 Jun 2025 18:26

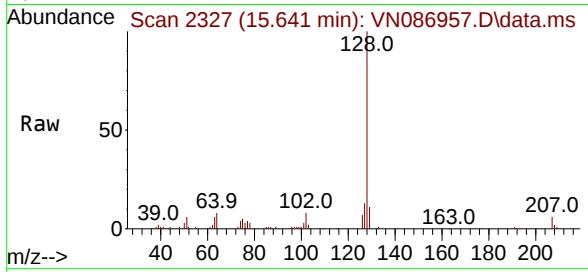
Tgt Ion:105 Resp: 9908
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.2 69.6





#95
Naphthalene
Concen: 6.124 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

Instrument :
MSVOA_N
ClientSampleId :
MW-17-20250604



Tgt Ion:	128	Resp:	81884
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.3	8.8	13.2

