

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086959.D
 Acq On : 11 Jun 2025 19:10
 Operator : JC\MD
 Sample : Q2210-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW1

Quant Time: Jun 12 01:38:39 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)

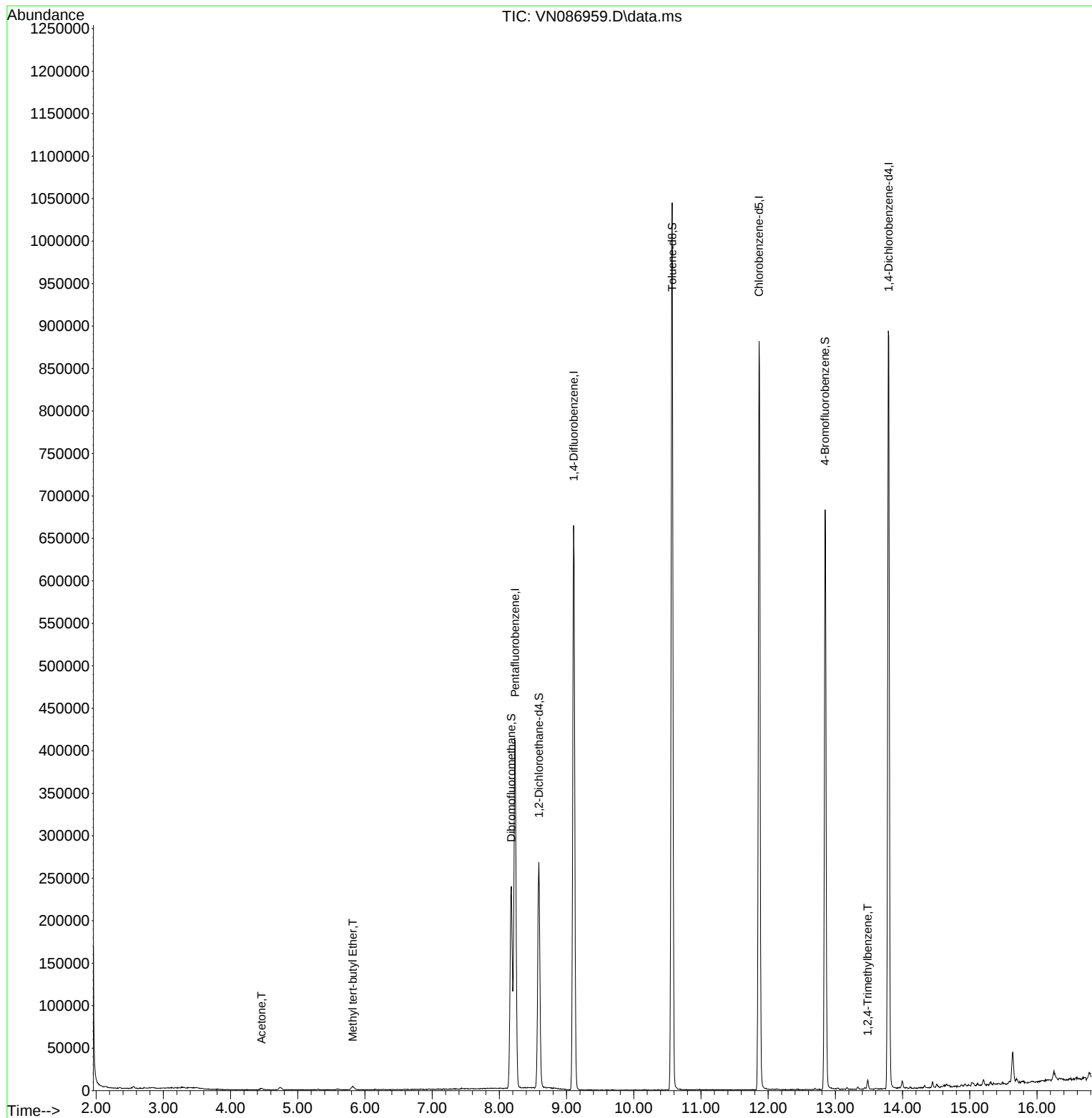
Internal Standards						
1) Pentafluorobenzene	8.235	168	326987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	623551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	567024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	271077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	214849	49.075	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.140%
35) Dibromofluoromethane	8.177	113	183940	49.777	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.560%
50) Toluene-d8	10.571	98	765575	52.334	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.660%
62) 4-Bromofluorobenzene	12.847	95	272770	50.188	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.380%
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	3791	1.633	ug/l	93
19) Methyl tert-butyl Ether	5.818	73	6640	0.504	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	6797	0.416	ug/l	98

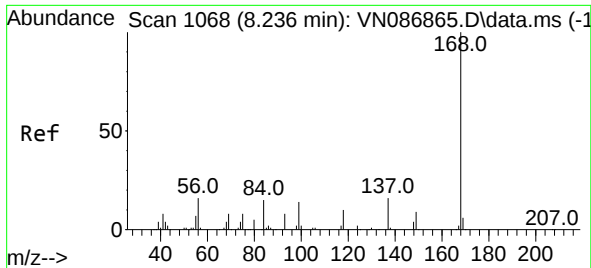
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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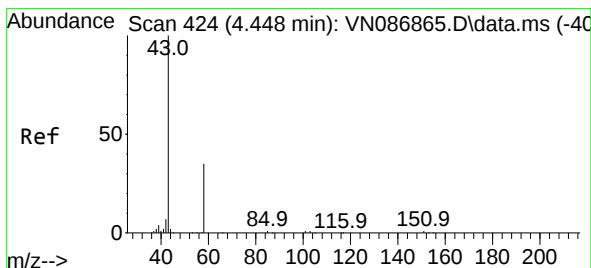
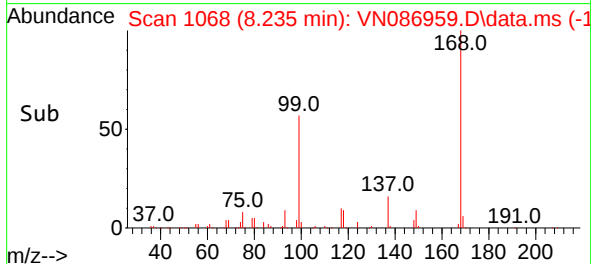
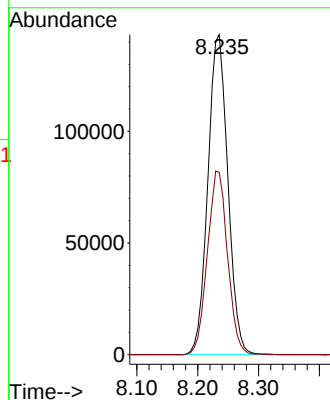
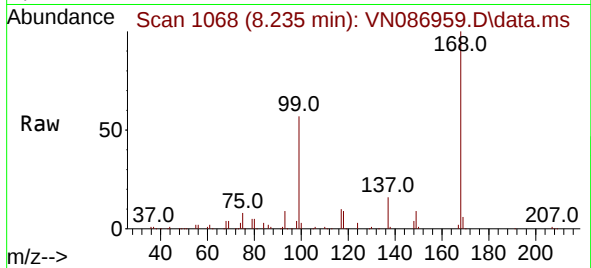




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086959.D
Acq: 11 Jun 2025 19:10

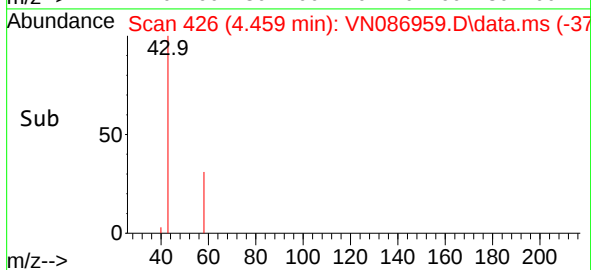
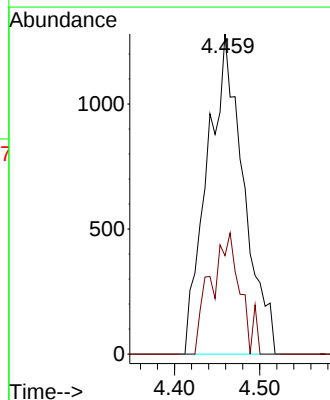
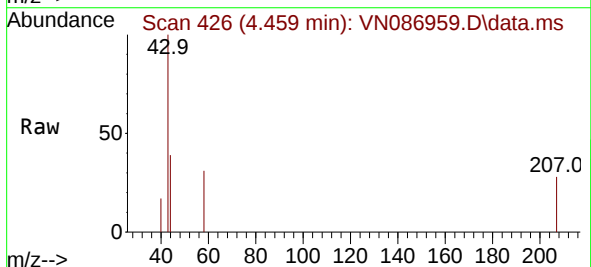
Instrument :
MSVOA_N
ClientSampleId :
TW1

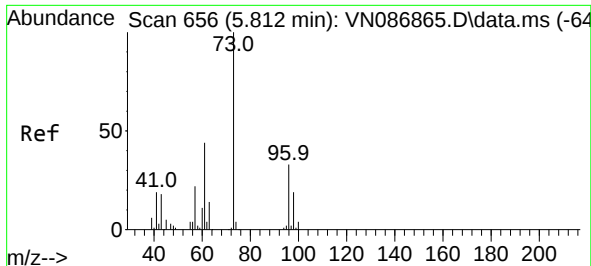
Tgt Ion:168 Resp: 326987
Ion Ratio Lower Upper
168 100
99 57.0 49.1 73.7



#16
Acetone
Concen: 1.633 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086959.D
Acq: 11 Jun 2025 19:10

Tgt Ion: 43 Resp: 3791
Ion Ratio Lower Upper
43 100
58 30.7 28.0 42.0





#19

Methyl tert-butyl Ether

Concen: 0.504 ug/l

RT: 5.818 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN086959.D

Acq: 11 Jun 2025 19:10

Instrument :

MSVOA_N

ClientSampleId :

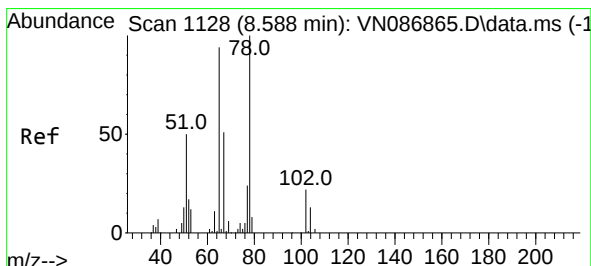
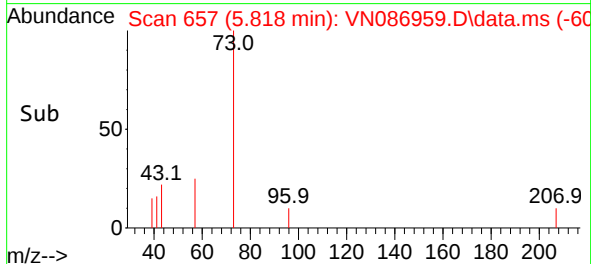
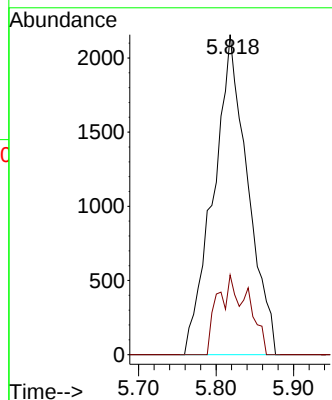
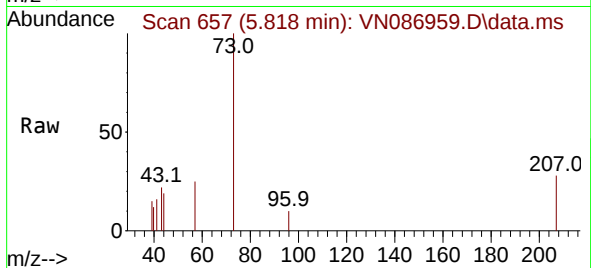
TW1

Tgt Ion: 73 Resp: 6640

Ion Ratio Lower Upper

73 100

57 24.9 17.4 26.2



#33

1,2-Dichloroethane-d4

Concen: 49.075 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086959.D

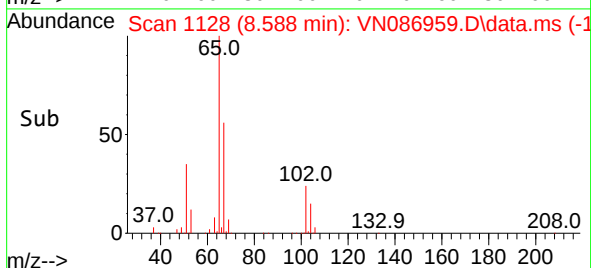
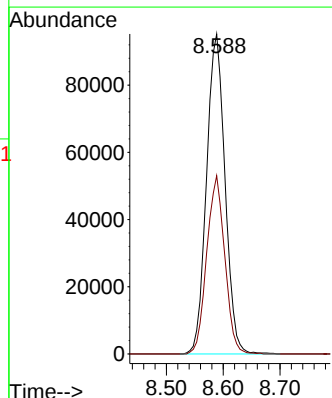
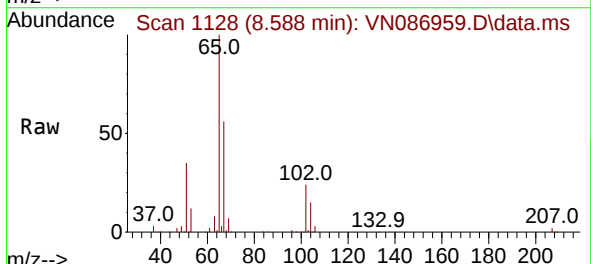
Acq: 11 Jun 2025 19:10

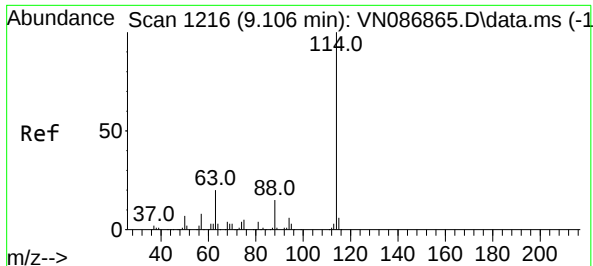
Tgt Ion: 65 Resp: 214849

Ion Ratio Lower Upper

65 100

67 54.3 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: VN086959.D

Acq: 11 Jun 2025 19:10

Instrument :

MSVOA_N

ClientSampleId :

TW1

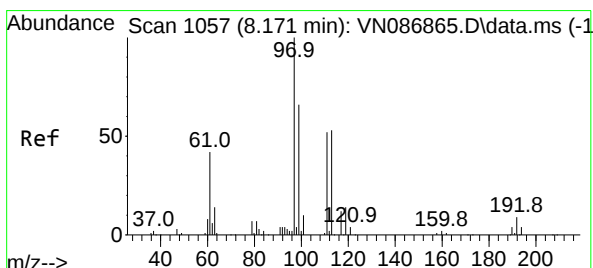
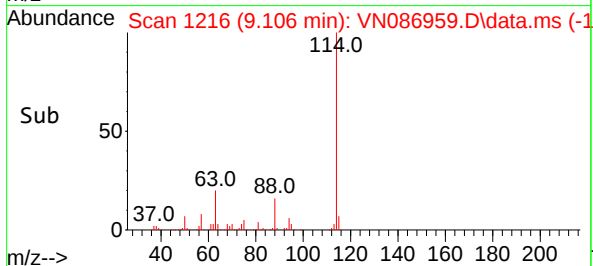
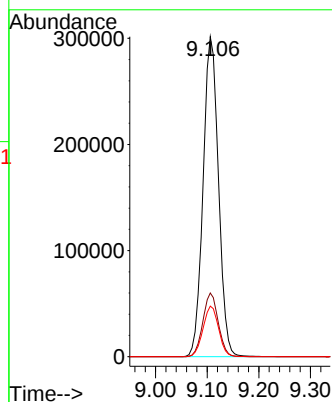
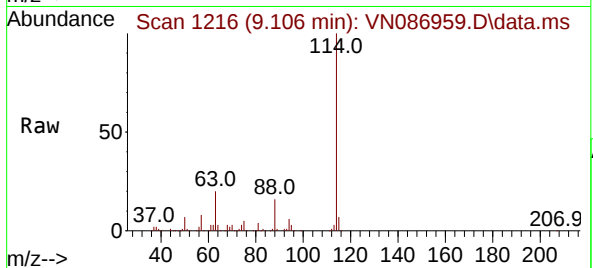
Tgt Ion:114 Resp: 623551

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.8 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.777 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086959.D

Acq: 11 Jun 2025 19:10

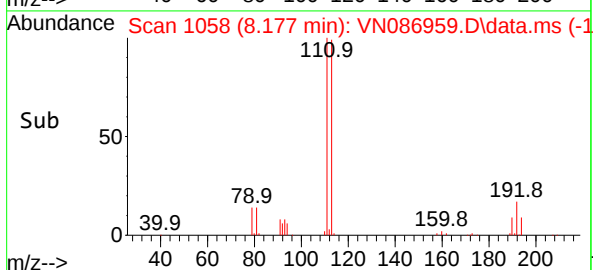
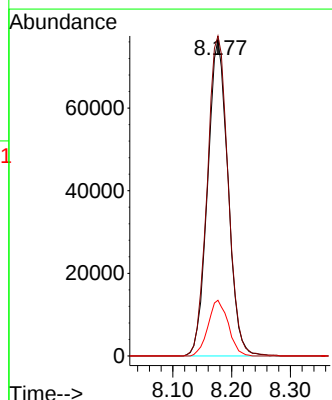
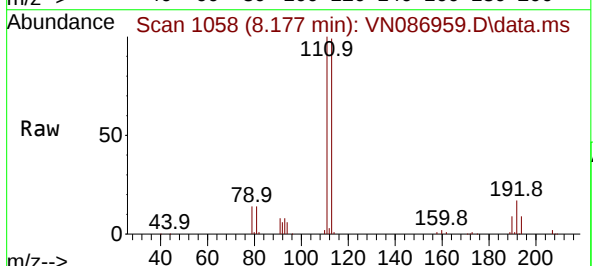
Tgt Ion:113 Resp: 183940

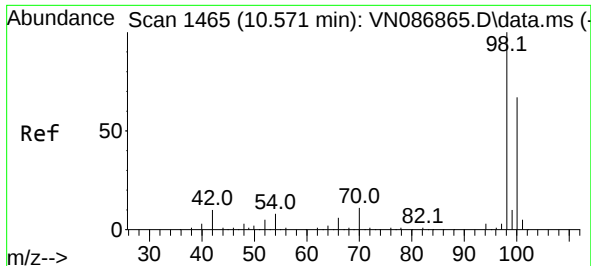
Ion Ratio Lower Upper

113 100

111 103.8 84.2 126.2

192 17.5 14.2 21.4

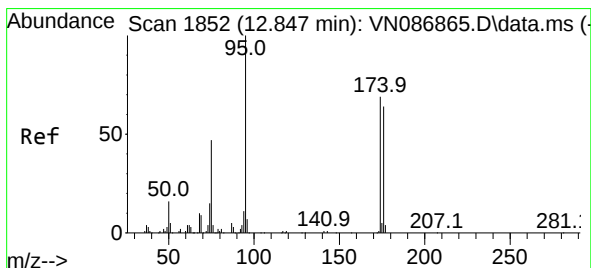
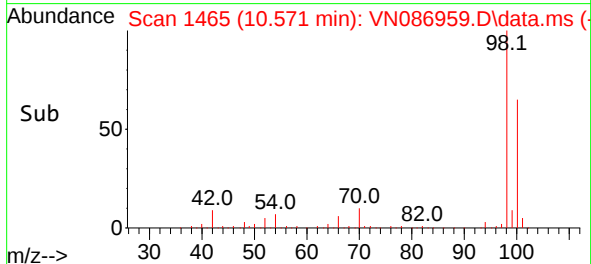
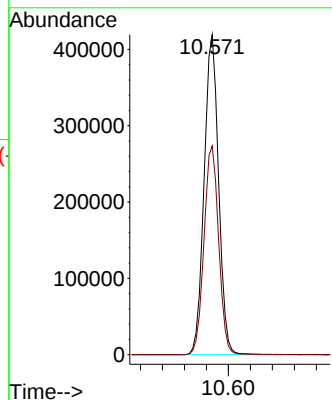
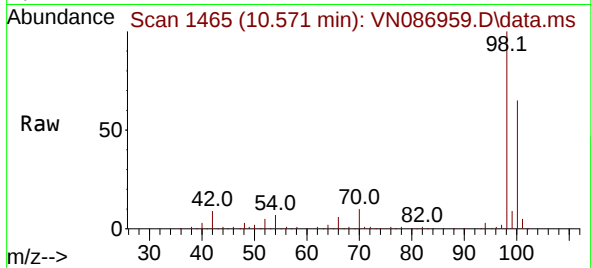




#50
Toluene-d8
Concen: 52.334 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086959.D
Acq: 11 Jun 2025 19:10

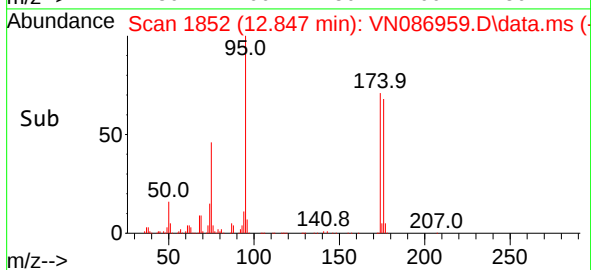
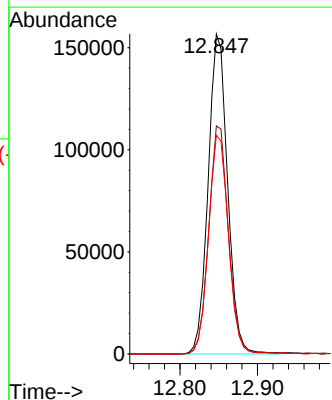
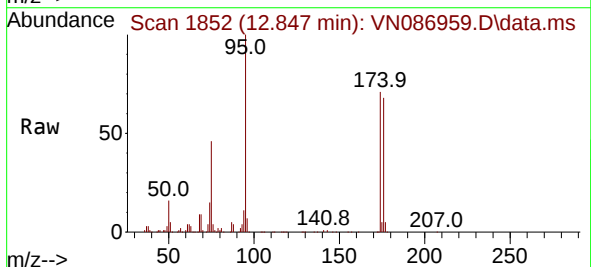
Instrument :
MSVOA_N
ClientSampleId :
TW1

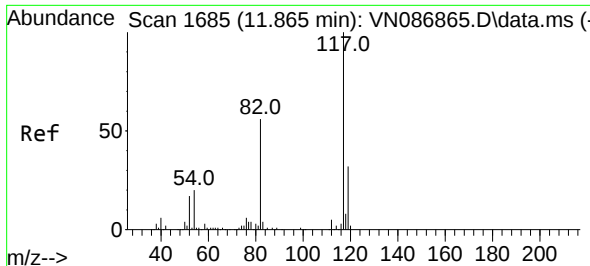
Tgt Ion: 98 Resp: 765575
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 50.188 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086959.D
Acq: 11 Jun 2025 19:10

Tgt Ion: 95 Resp: 272770
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 70.0 0.0 132.6

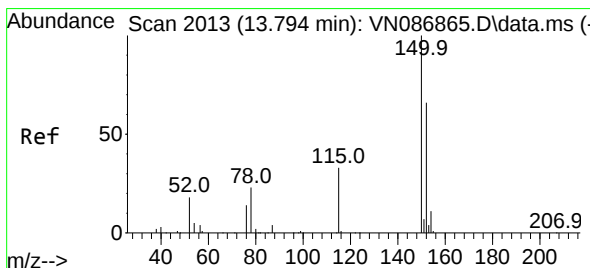
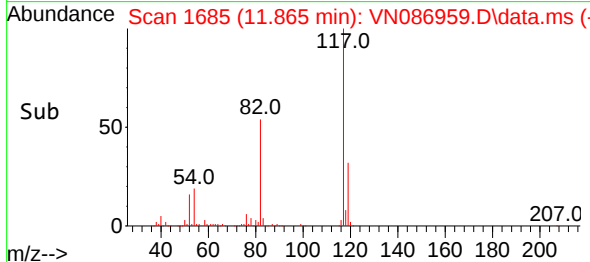
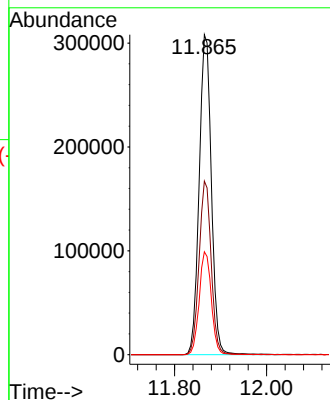
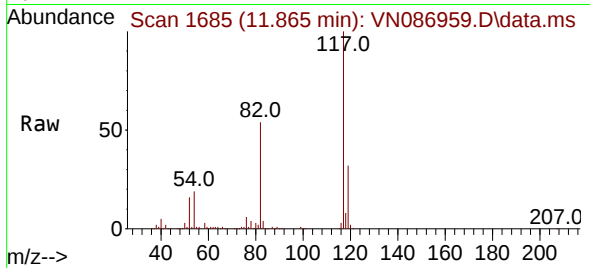




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086959.D
Acq: 11 Jun 2025 19:10

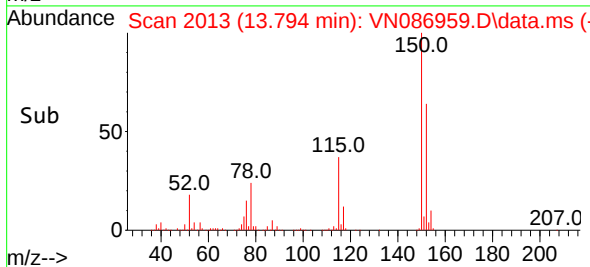
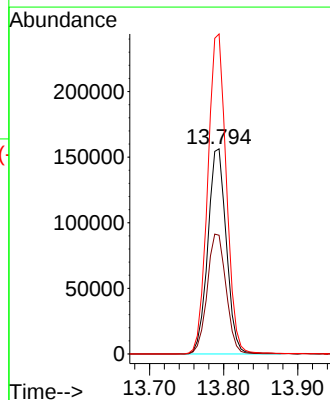
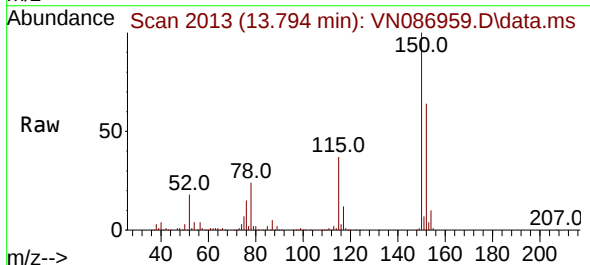
Instrument :
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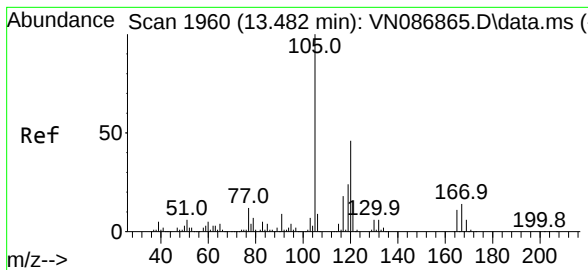
Tgt Ion:117 Resp: 567024
Ion Ratio Lower Upper
117 100
82 54.2 44.6 67.0
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086959.D
Acq: 11 Jun 2025 19:10

Tgt Ion:152 Resp: 271077
Ion Ratio Lower Upper
152 100
115 59.6 30.1 90.5
150 157.1 0.0 345.0





#84
 1,2,4-Trimethylbenzene
 Concen: 0.416 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN086959.D
 Acq: 11 Jun 2025 19:10

Instrument :
 MSVOA_N
 ClientSampleId :
 TW1

Tgt Ion:105 Resp: 6797
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.2 69.6

