

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
 Data File : VN086822.D
 Acq On : 29 May 2025 18:13
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 30 05:30:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 02:22:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

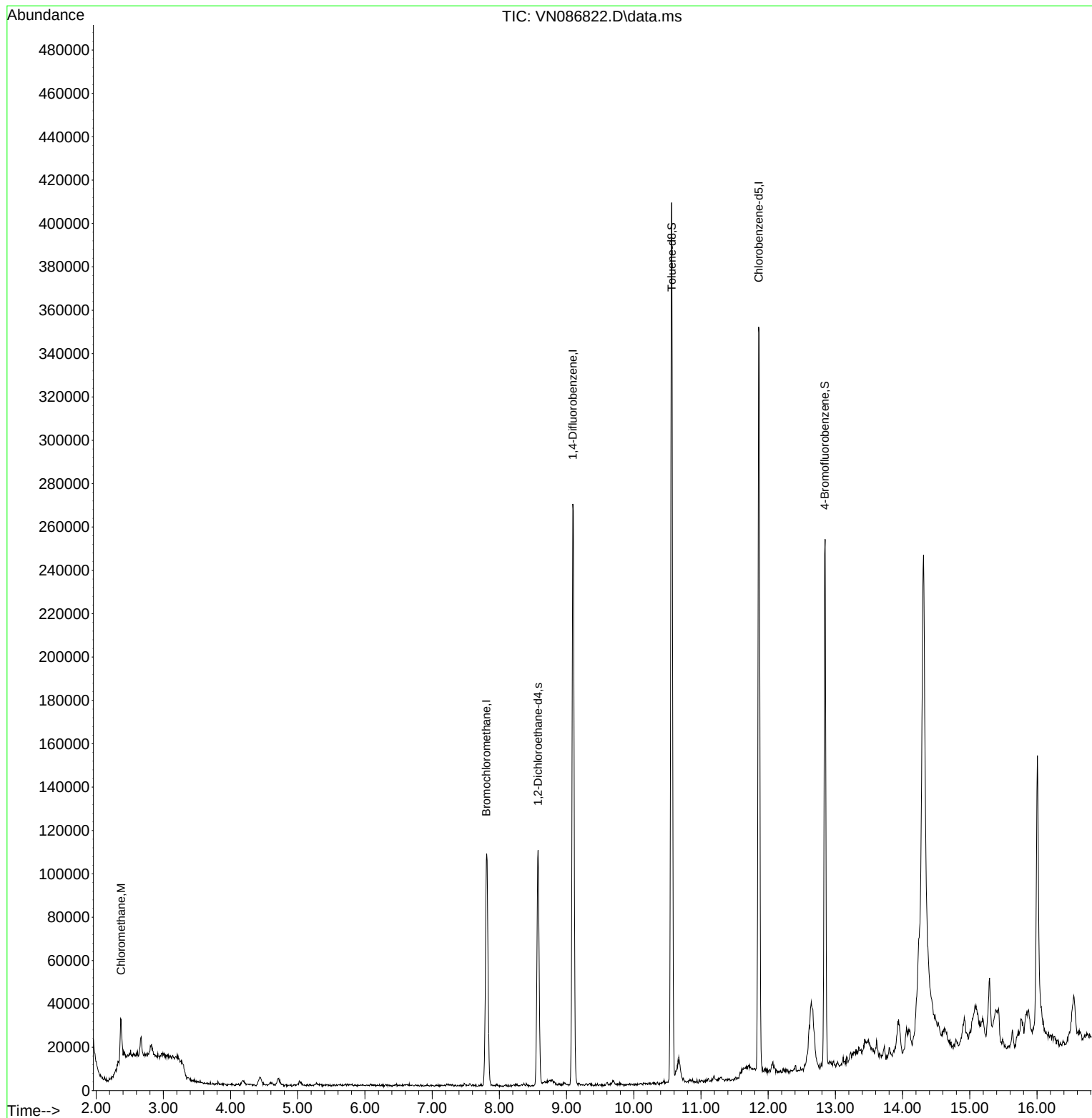
Internal Standards						
1) Bromochloromethane	7.806	128	42145	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	249129	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	212209	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	88927	30.710	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.367%
60) 4-Bromofluorobenzene	12.841	95	93501	28.064	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.533%
63) Toluene-d8	10.565	98	291028	29.879	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	24432	6.620	ug/l	97

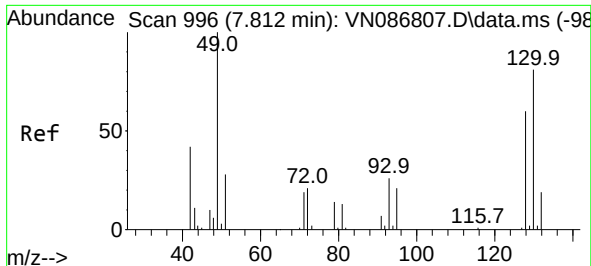
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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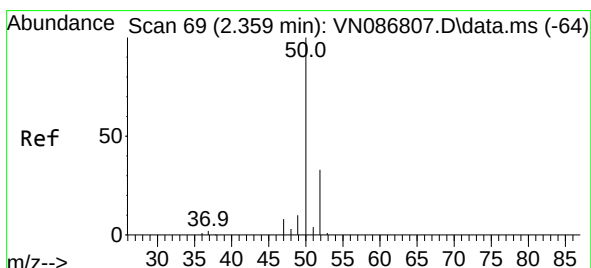
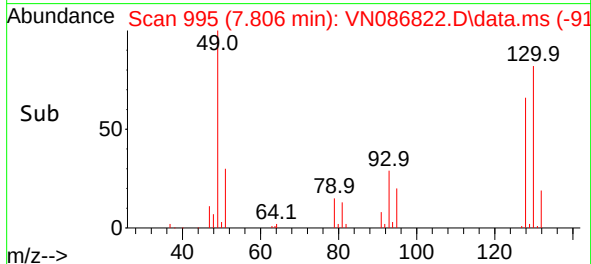
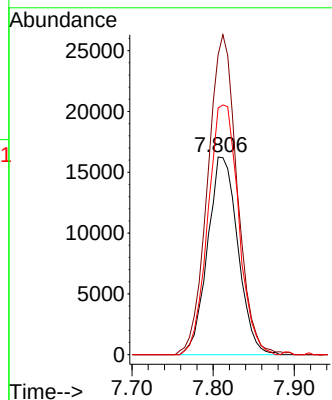
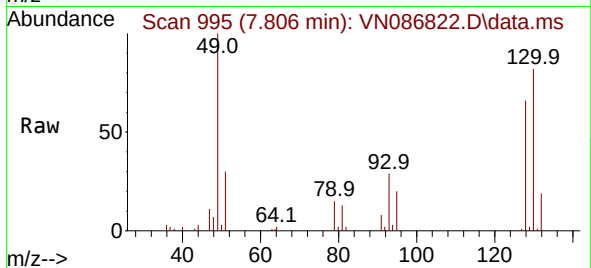




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

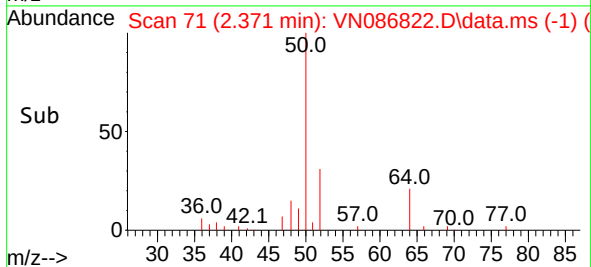
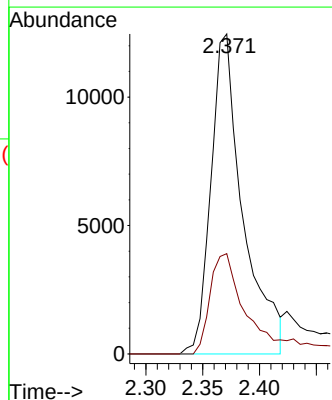
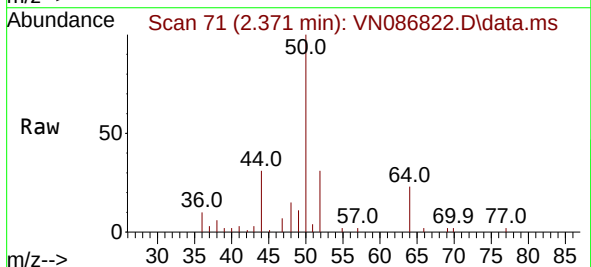
Instrument :
MSVOA_N
ClientSampleId :
IBLK

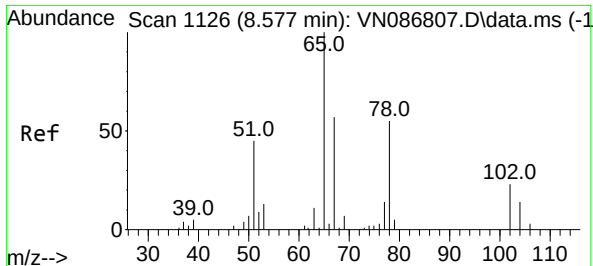
Tgt Ion:128 Resp: 42145
Ion Ratio Lower Upper
128 100
49 157.7 0.0 404.5
130 127.9 0.0 322.2



#3
Chloromethane
Concen: 6.620 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion: 50 Resp: 24432
Ion Ratio Lower Upper
50 100
52 31.3 26.6 40.0

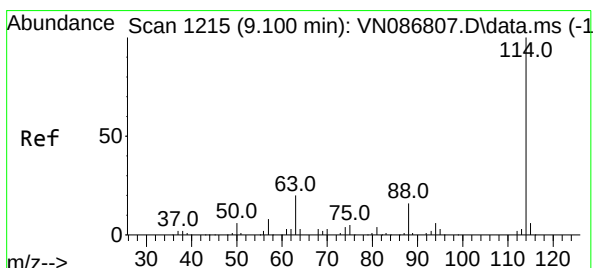
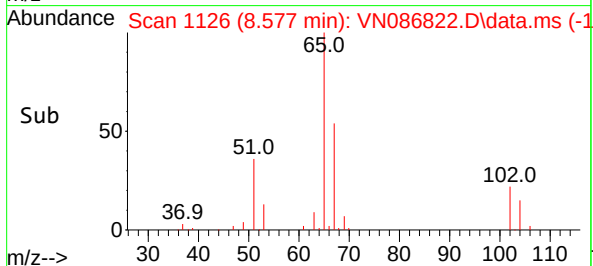
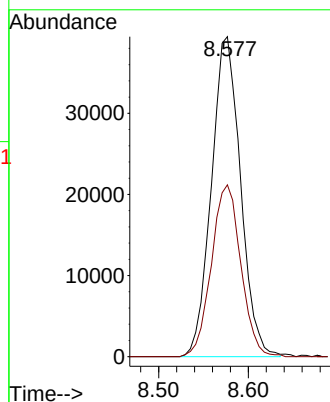
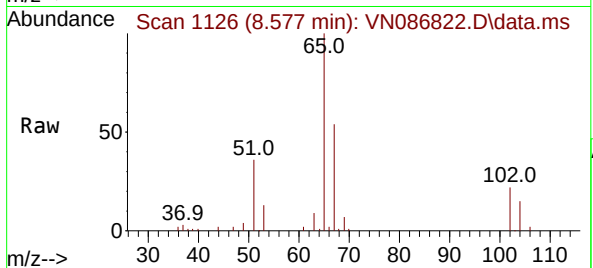




#27
 1,2-Dichloroethane-d4
 Concen: 30.710 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086822.D
 Acq: 29 May 2025 18:13

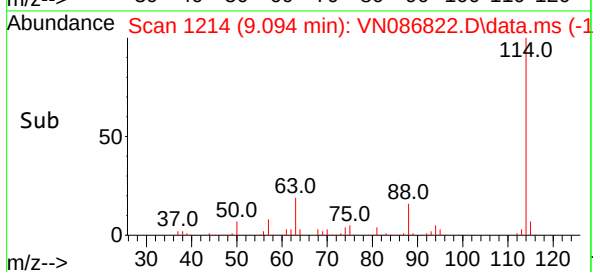
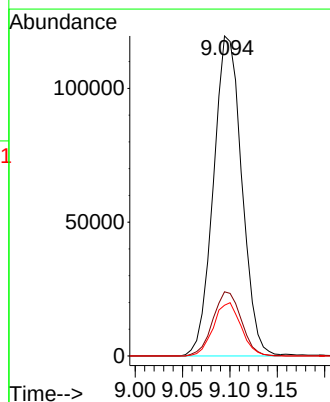
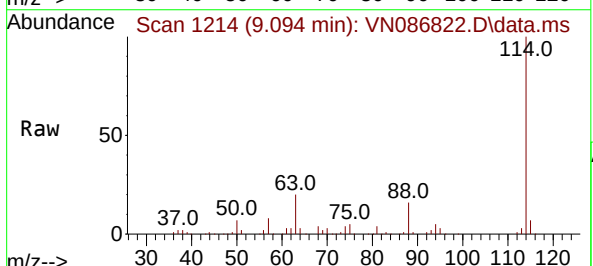
Instrument :
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 ClientSampleId :
 IBLK

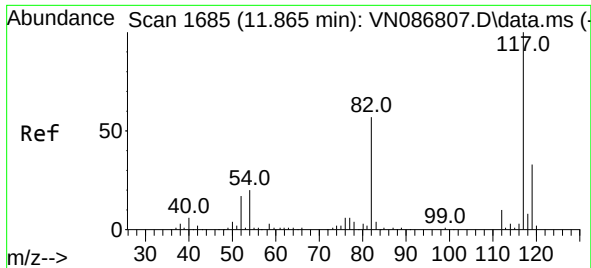
Tgt Ion: 65 Resp: 88927
 Ion Ratio Lower Upper
 65 100
 67 54.2 44.6 67.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN086822.D
 Acq: 29 May 2025 18:13

Tgt Ion: 114 Resp: 249129
 Ion Ratio Lower Upper
 114 100
 63 20.1 15.8 23.8
 88 16.2 12.9 19.3

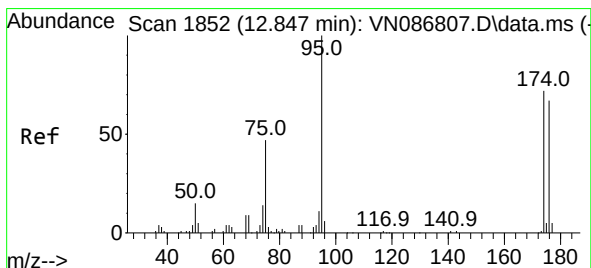
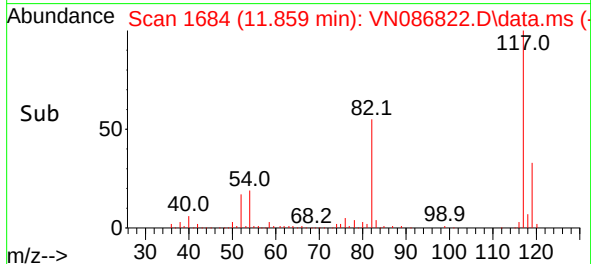
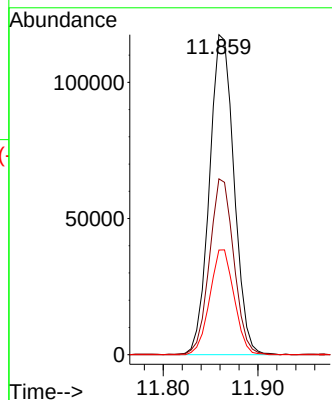
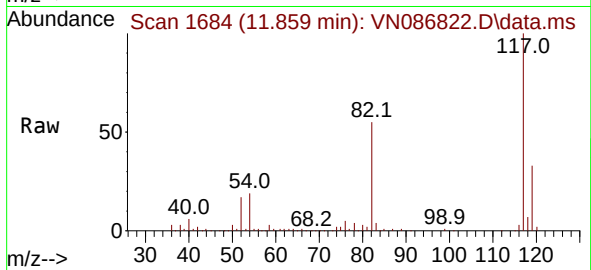




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

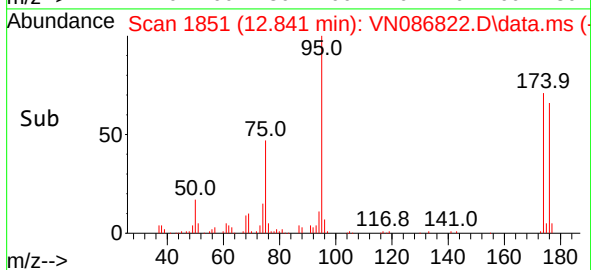
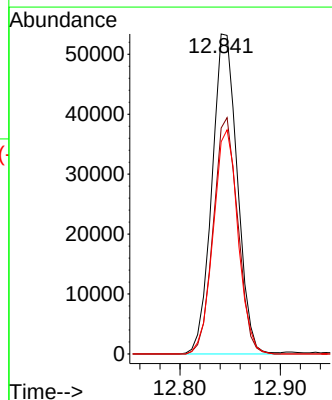
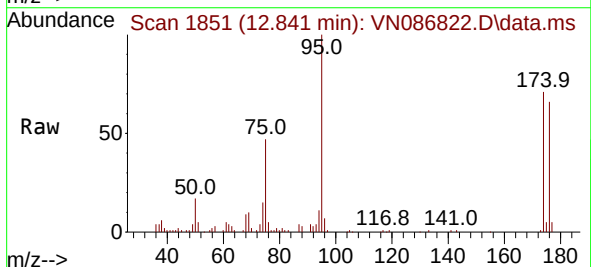
Instrument :
MSVOA_N
ClientSampleId :
IBLK

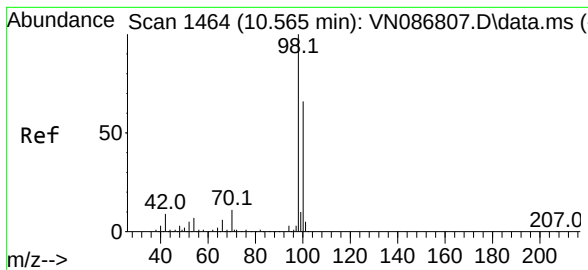
Tgt Ion:117 Resp: 212209
Ion Ratio Lower Upper
117 100
82 54.7 44.7 67.1
119 32.5 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 28.064 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

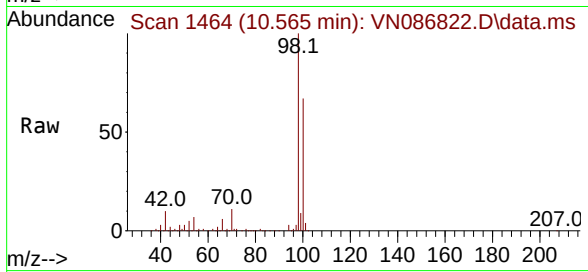
Tgt Ion: 95 Resp: 93501
Ion Ratio Lower Upper
95 100
174 71.2 56.2 84.4
176 68.5 53.4 80.0





#63
 Toluene-d8
 Concen: 29.879 ug/l
 RT: 10.565 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VN086822.D
 Acq: 29 May 2025 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion: 98 Resp: 291028
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.7 79.1

