

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
 Data File : VN087815.D
 Acq On : 12 Sep 2025 12:19
 Operator : JC\MD
 Sample : Q3078-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 250910064-01-TRIP-BLANK

Quant Time: Sep 12 22:52:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

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

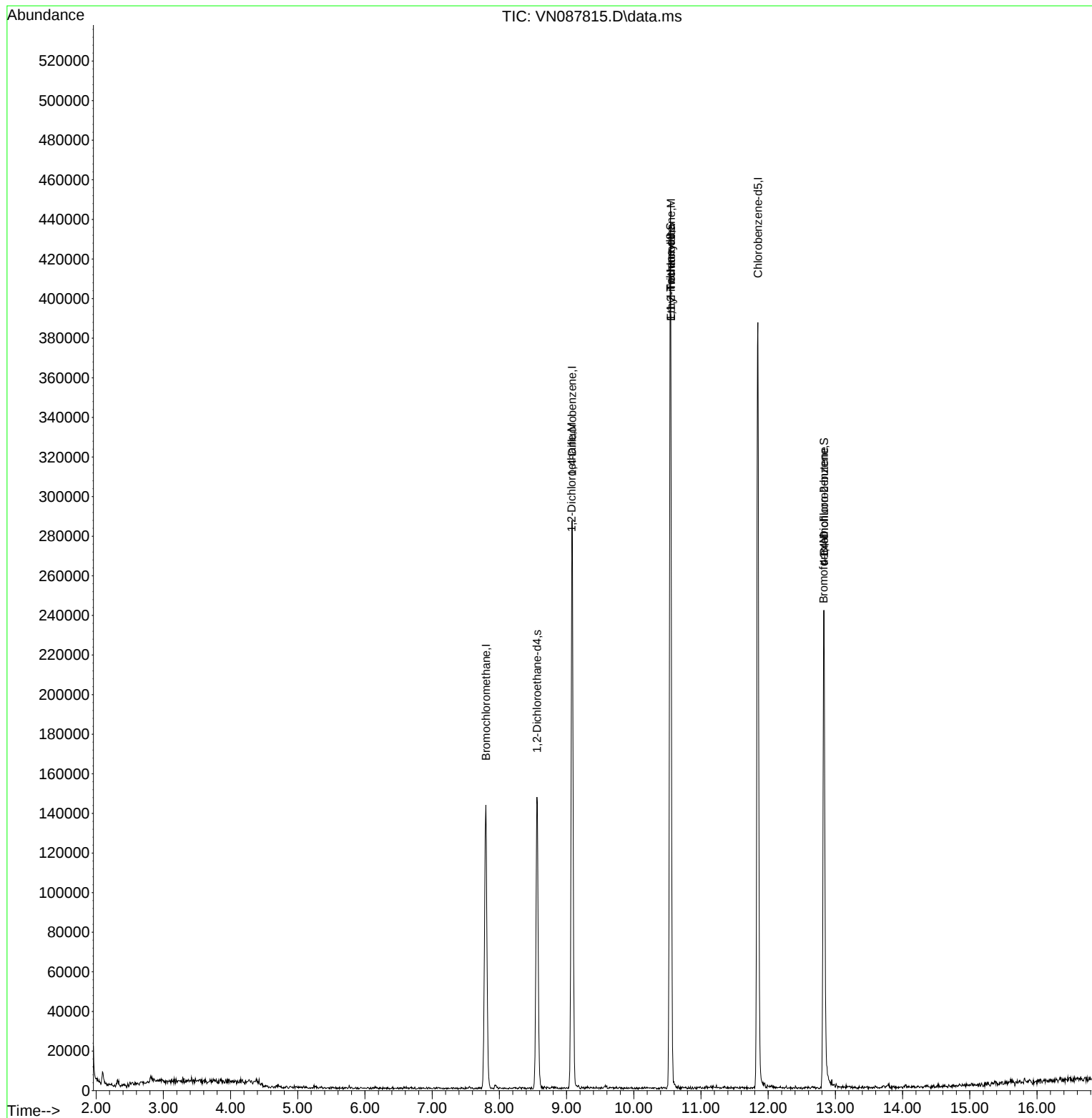
Internal Standards						
1) Bromochloromethane	7.800	128	47676	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	237316	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	222106	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	119123	29.250	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.500%
60) 4-Bromofluorobenzene	12.829	95	88528	24.789	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.633%
63) Toluene-d8	10.547	98	291437	28.215	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.067%
Target Compounds						
					Qvalue	
36) 1,2-Dichloroethane	9.077	62	9230	1.960	ug/l #	75
50) 1,1,2-Trichloroethane	10.553	97	10851	3.536	ug/l #	1
51) Ethyl methacrylate	10.553	69	1040	0.218	ug/l	80
56) Bromoform	12.823	173	1198	0.533	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	51291	32.548	ug/l #	14

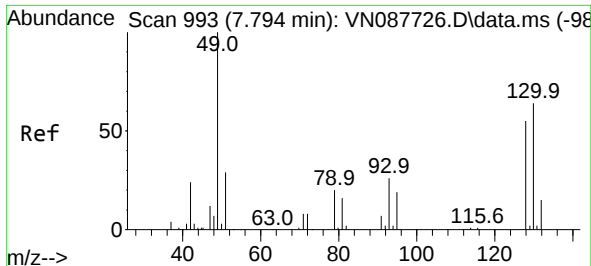
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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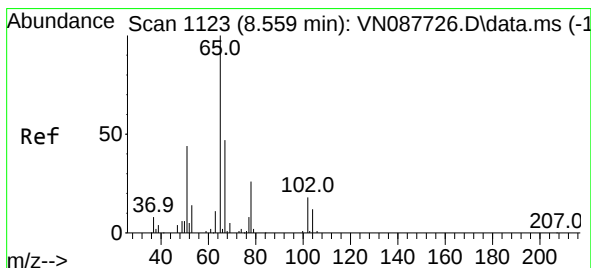
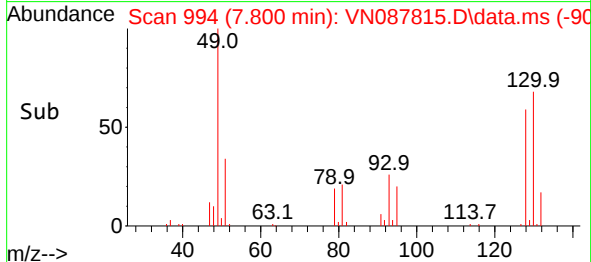
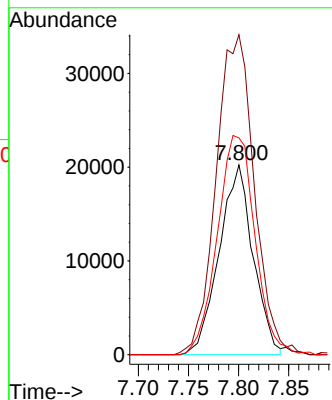
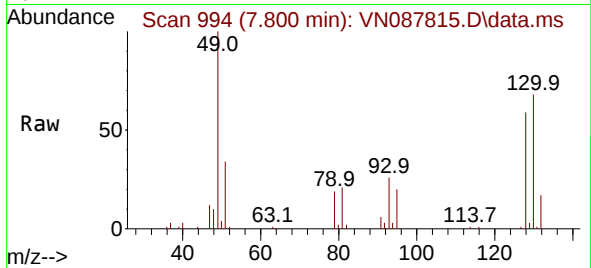




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

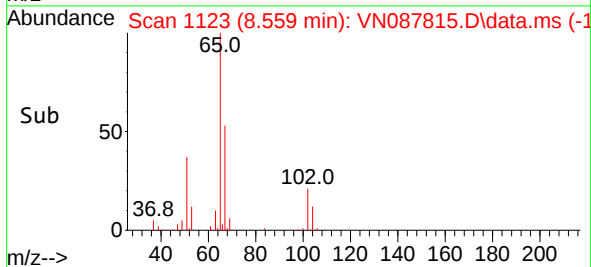
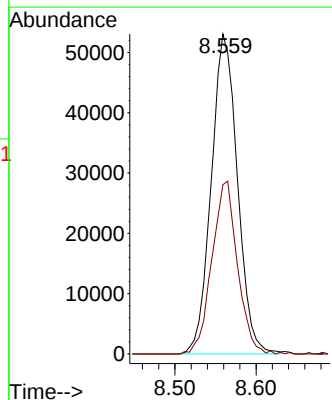
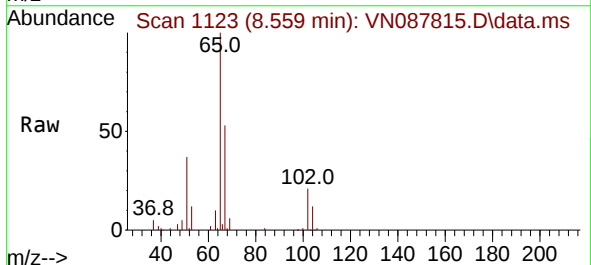
Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

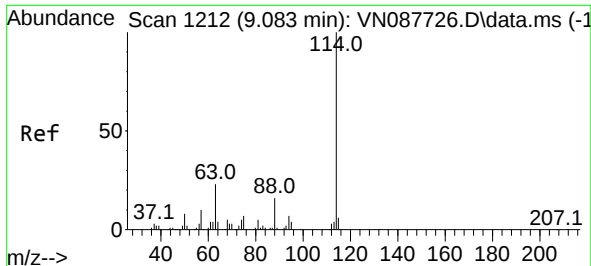
Tgt Ion:128 Resp: 47676
Ion Ratio Lower Upper
128 100
49 189.6 0.0 464.3
130 128.5 0.0 300.5



#27
1,2-Dichloroethane-d4
Concen: 29.250 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

Tgt Ion: 65 Resp: 119123
Ion Ratio Lower Upper
65 100
67 52.6 39.6 59.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087815.D

Acq: 12 Sep 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

250910064-01-TRIP-BLANK

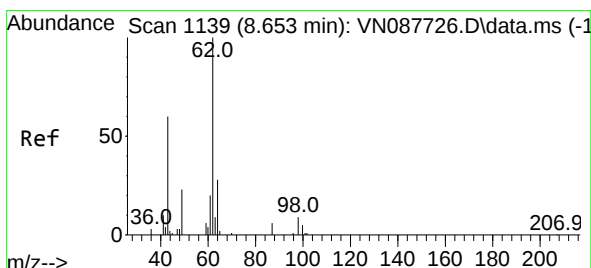
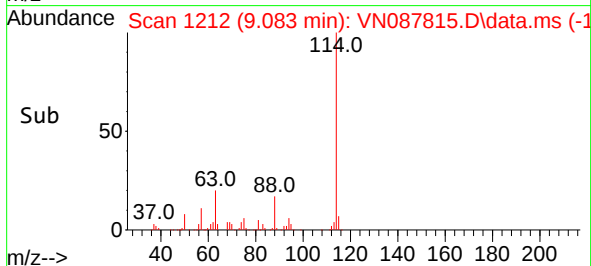
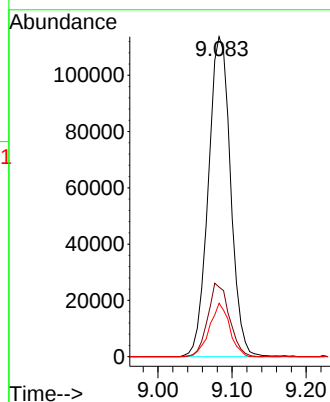
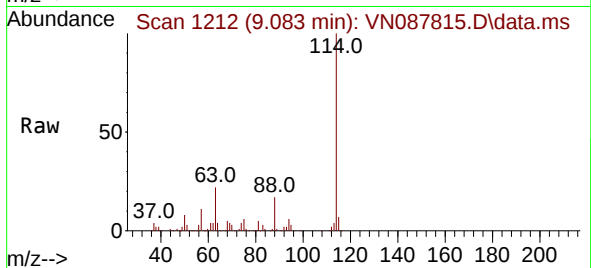
Tgt Ion:114 Resp: 237316

Ion Ratio Lower Upper

114 100

63 22.2 18.3 27.5

88 15.1 12.4 18.6



#36

1,2-Dichloroethane

Concen: 1.960 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. 0.423 min

Lab File: VN087815.D

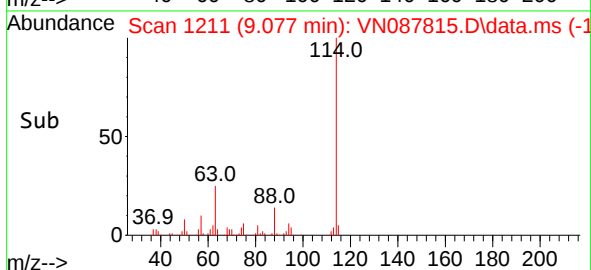
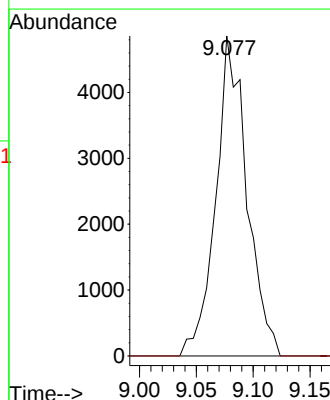
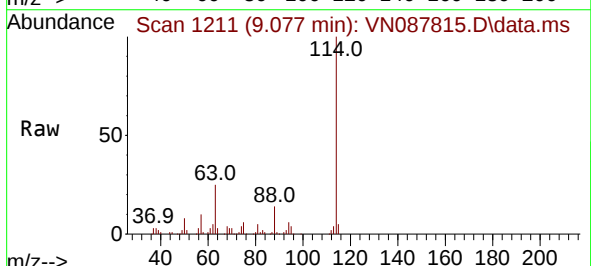
Acq: 12 Sep 2025 12:19

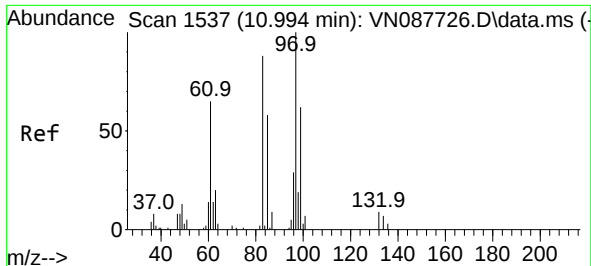
Tgt Ion: 62 Resp: 9230

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

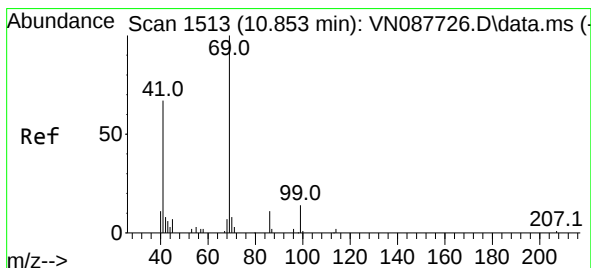
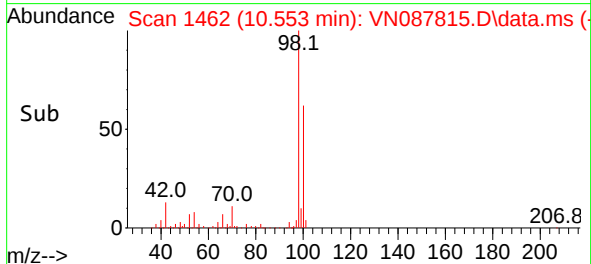
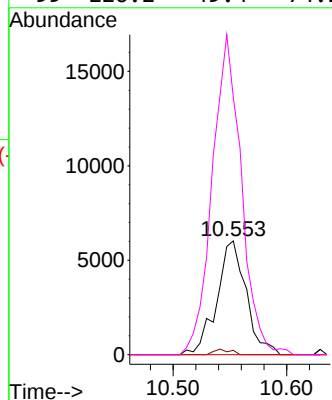
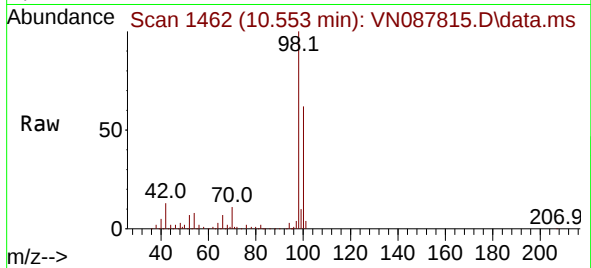




#50
1,1,2-Trichloroethane
Concen: 3.536 ug/l
RT: 10.553 min Scan# 1462
Delta R.T. -0.441 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

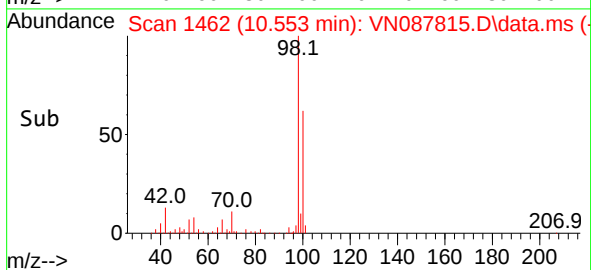
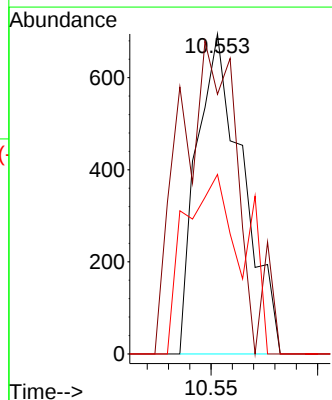
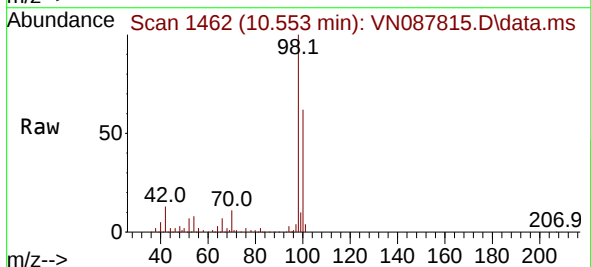
Instrument : MSVOA_N
ClientSampleId : 250910064-01-TRIP-BLANK

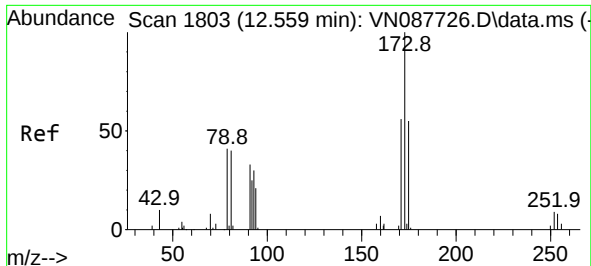
Tgt Ion:	97	Resp:	10851
Ion	Ratio	Lower	Upper
97	100		
83	3.9	70.5	105.7#
85	0.0	46.3	69.5#
99	226.2	49.4	74.2#



#51
Ethyl methacrylate
Concen: 0.218 ug/l
RT: 10.553 min Scan# 1462
Delta R.T. -0.300 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

Tgt Ion:	69	Resp:	1040
Ion	Ratio	Lower	Upper
69	100		
41	81.2	33.7	101.0
39	56.1	20.3	60.9

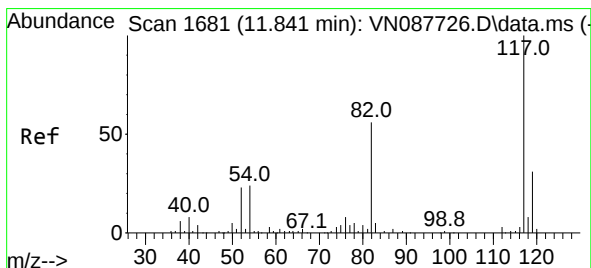
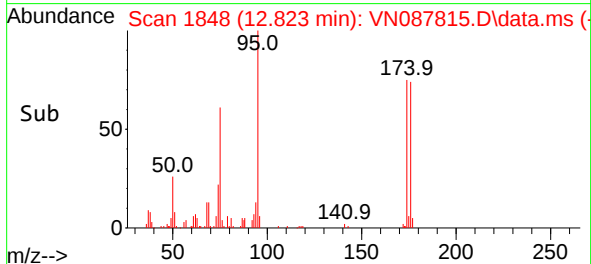
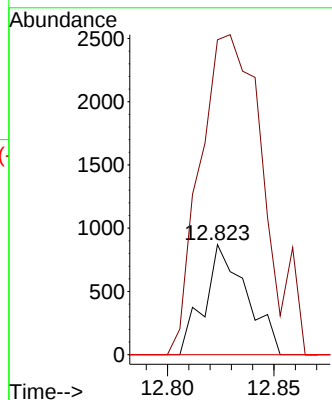
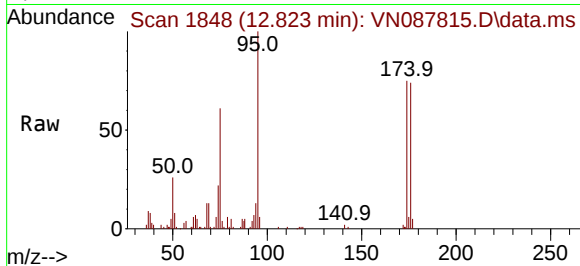




#56
Bromoform
Concen: 0.533 ug/l
RT: 12.823 min Scan# 1198
Delta R.T. 0.265 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

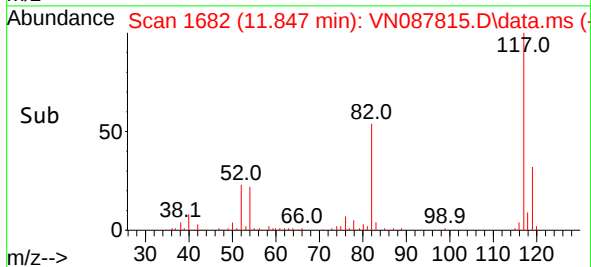
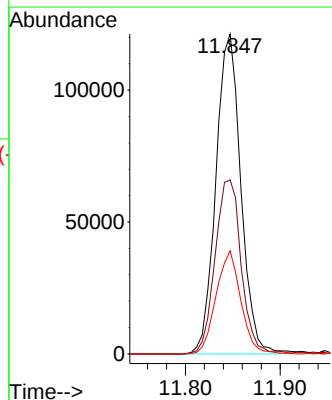
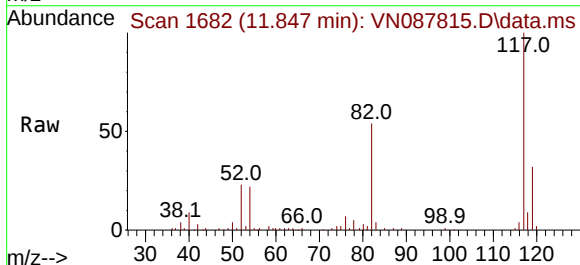
Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

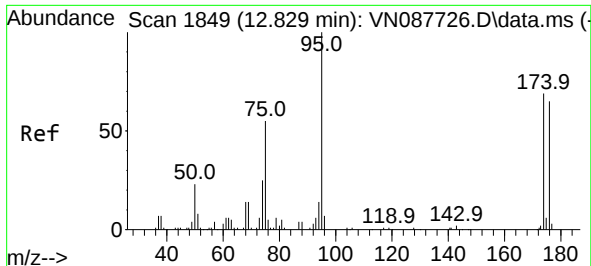
Tgt Ion	Ratio	Lower	Upper
173	100		
175	412.0	39.8	59.6#
254	0.0	6.2	9.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.9	68.9
119	31.9	25.3	37.9

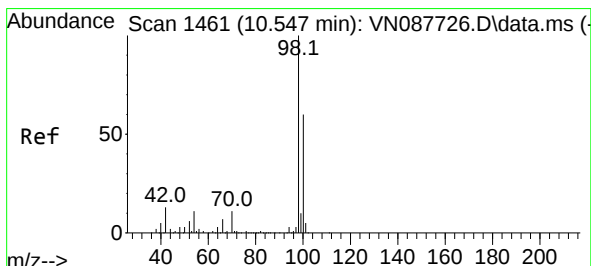
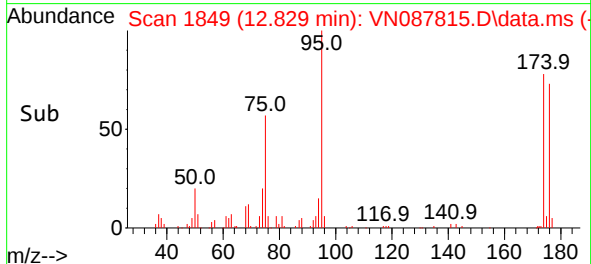
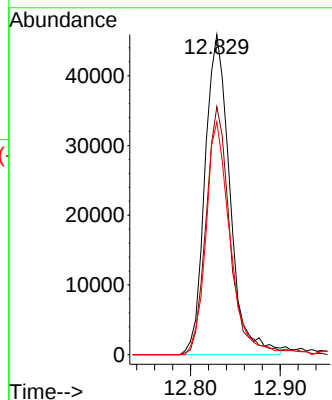
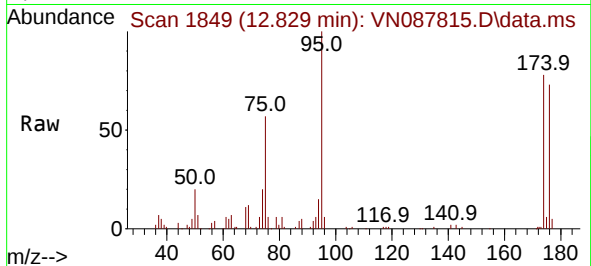




#60
4-Bromofluorobenzene
Concen: 24.789 ug/l
RT: 12.829 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

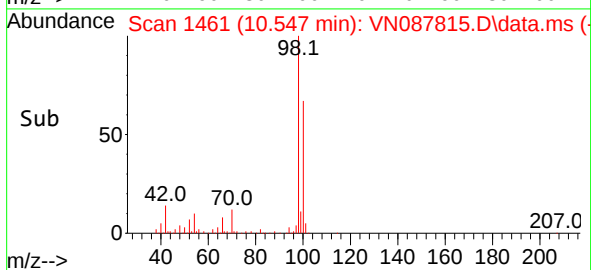
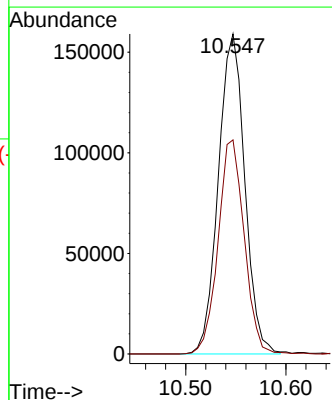
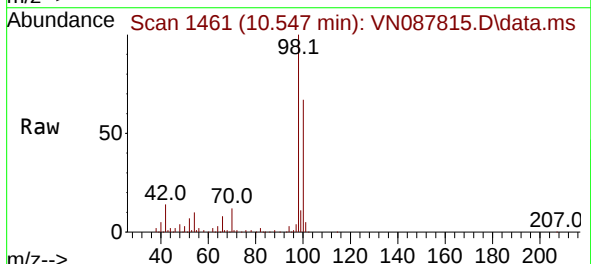
Instrument :
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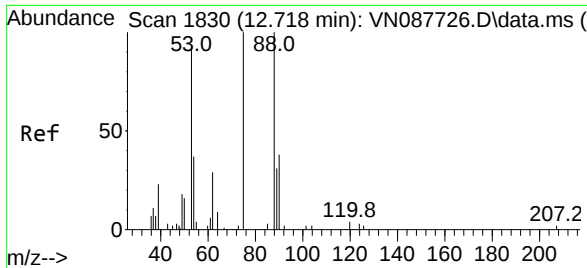
Tgt Ion: 95 Resp: 88528
Ion Ratio Lower Upper
95 100
174 74.2 55.4 83.0
176 70.0 51.5 77.3



#63
Toluene-d8
Concen: 28.215 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

Tgt Ion: 98 Resp: 291437
Ion Ratio Lower Upper
98 100
100 66.0 50.6 76.0





#77

t-1,4-Dichloro-2-butene

Concen: 32.548 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN087815.D

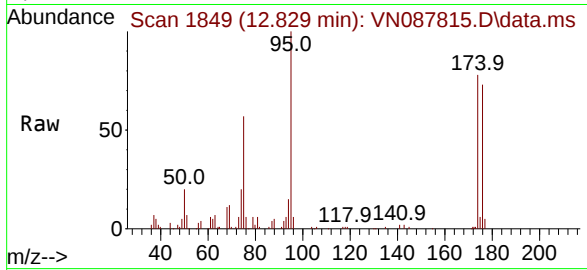
Acq: 12 Sep 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

250910064-01-TRIP-BLANK



Tgt Ion: 75 Resp: 51291

Ion Ratio Lower Upper

75 100

53 0.0 45.3 135.9#

89 0.0 18.8 56.3#

