

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
 Data File : VN087877.D
 Acq On : 17 Sep 2025 14:14
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 18 03:11:15 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)

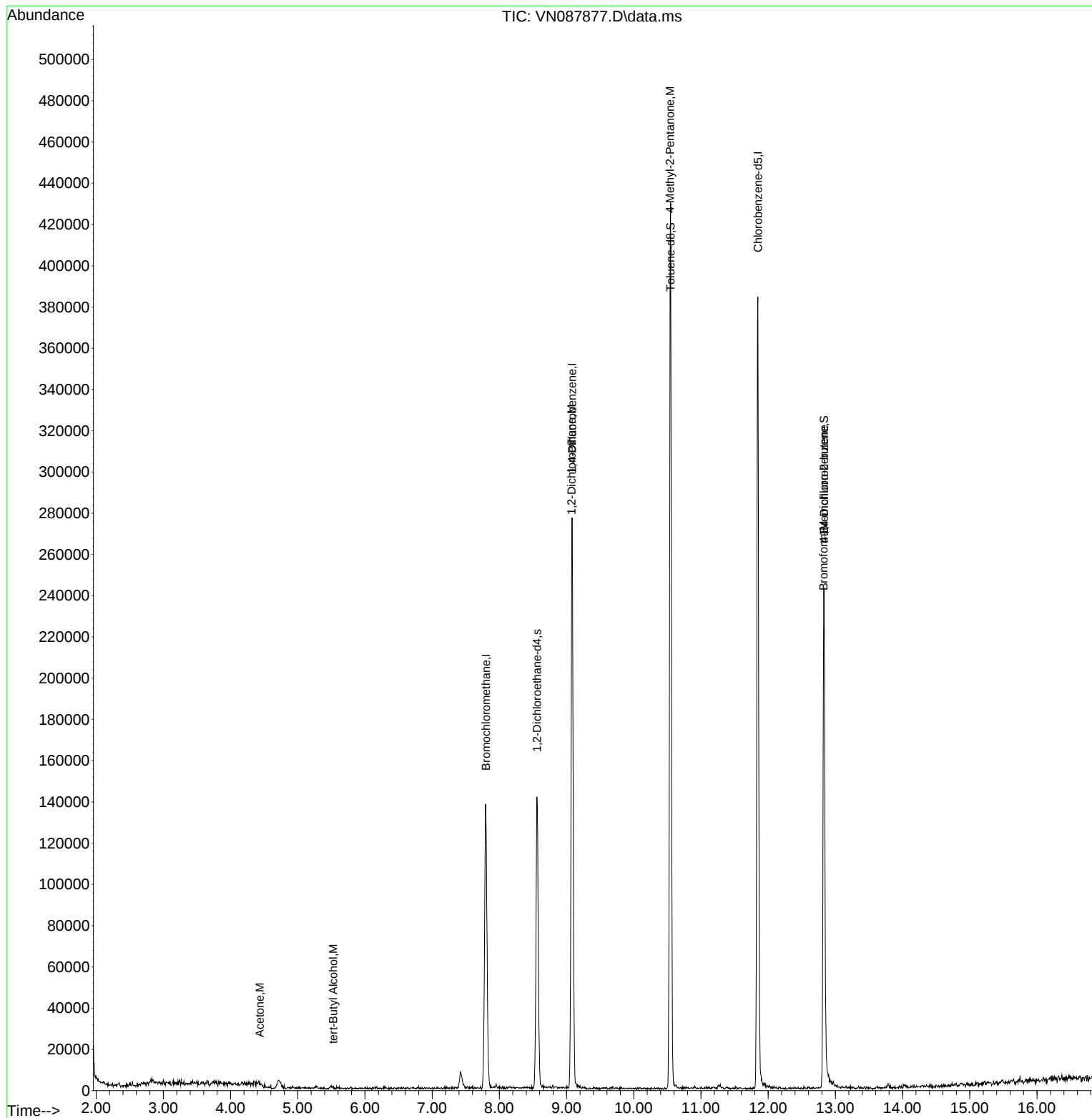
Internal Standards						
1) Bromochloromethane	7.800	128	45625	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	234695	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	215584	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	120082	30.811	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.700%
60) 4-Bromofluorobenzene	12.829	95	84836	24.474	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.567%
63) Toluene-d8	10.547	98	289490	28.874	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.233%
Target Compounds						
					Qvalue	
15) Acetone	4.436	58	124	0.217	ug/l #	4
23) tert-Butyl Alcohol	5.530	59	162	0.251	ug/l #	100
36) 1,2-Dichloroethane	9.077	62	9156	1.966	ug/l #	75
56) Bromoform	12.823	173	1230	0.554	ug/l #	1
58) 4-Methyl-2-Pentanone	10.541	43	1546	0.303	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	50112	32.762	ug/l #	14

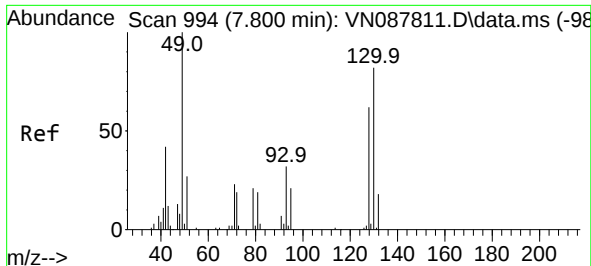
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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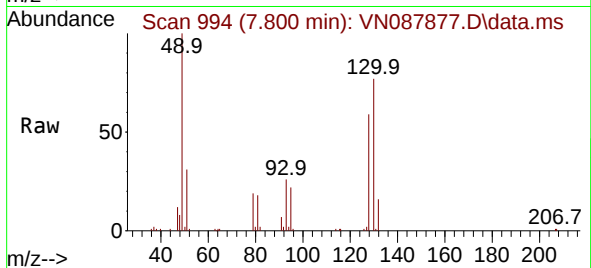
Quant Time: Sep 18 03:11:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration



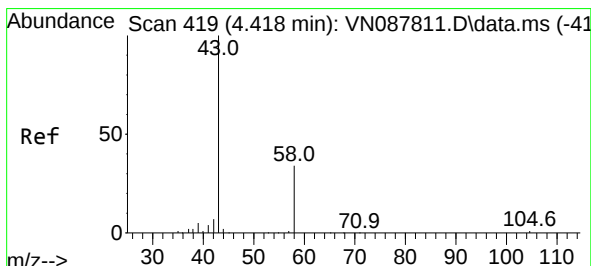
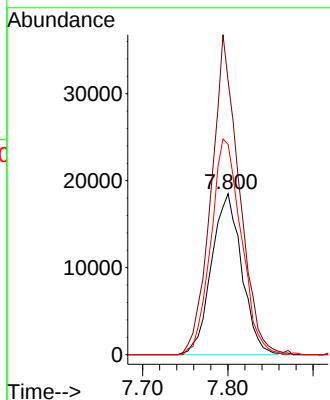
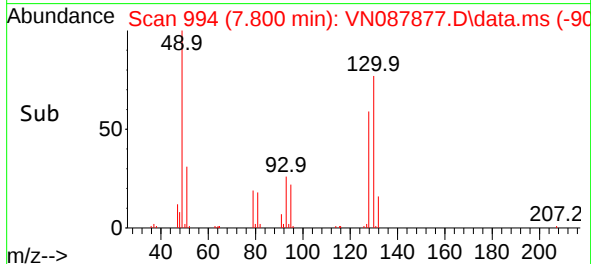


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14

Instrument :
MSVOA_N
ClientSampleId :

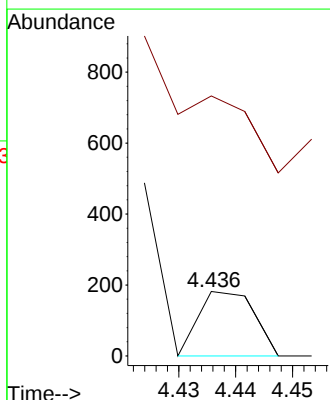
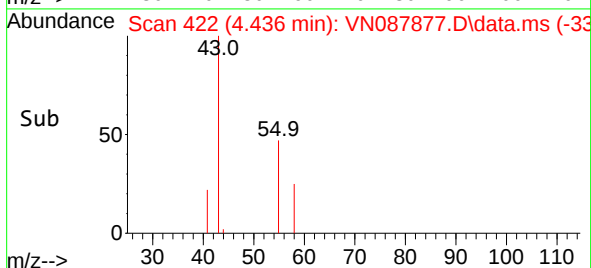
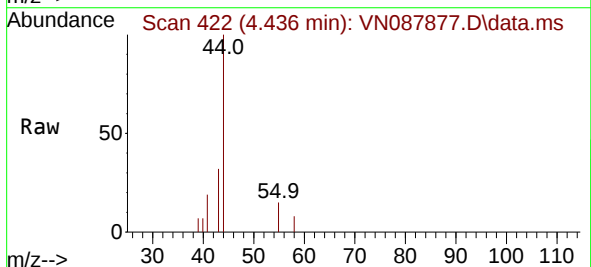


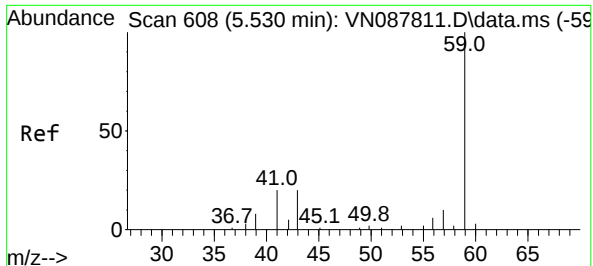
Tgt Ion:128 Resp: 45625
Ion Ratio Lower Upper
128 100
49 183.5 0.0 464.3
130 134.4 0.0 300.5



#15
Acetone
Concen: 0.217 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14

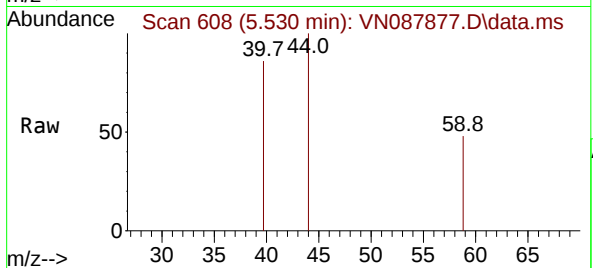
Tgt Ion: 58 Resp: 124
Ion Ratio Lower Upper
58 100
43 119.2 250.6 376.0#



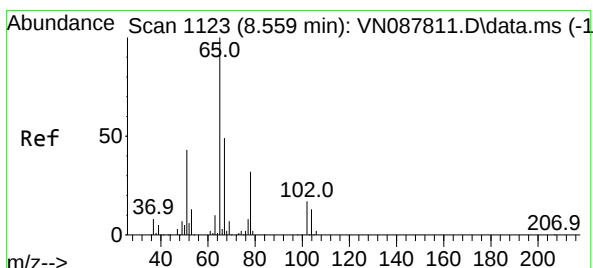
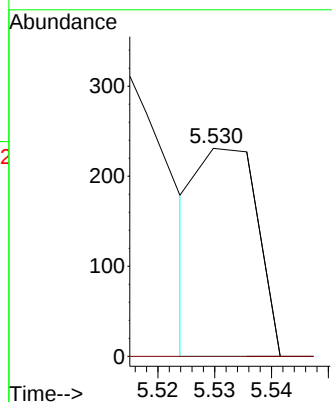
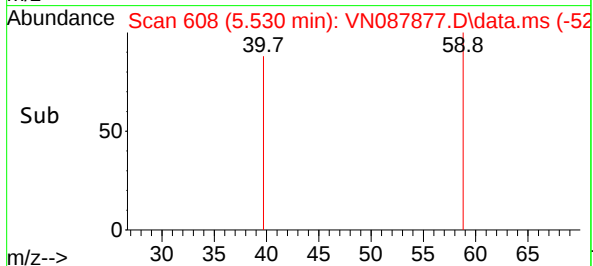


#23
tert-Butyl Alcohol
Concen: 0.251 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14

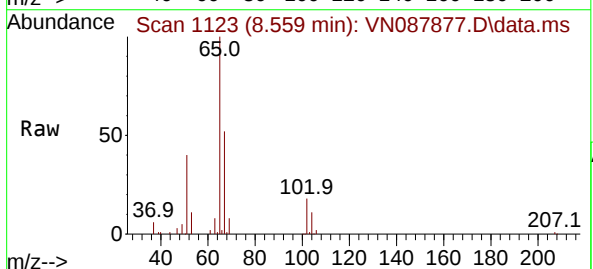
Instrument :
MSVOA_N
ClientSampleId :



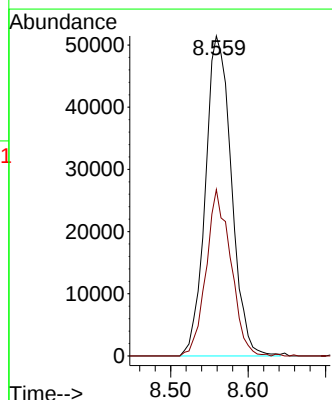
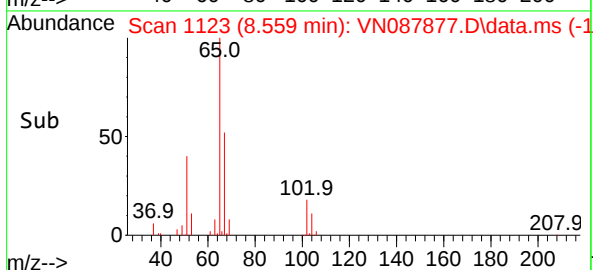
Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

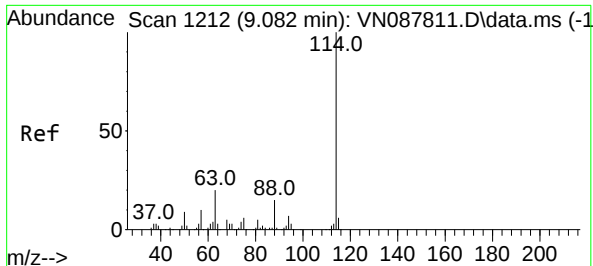


#27
1,2-Dichloroethane-d4
Concen: 30.811 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14



Tgt Ion: 65 Resp: 120082
Ion Ratio Lower Upper
65 100
67 49.1 39.6 59.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087877.D

Acq: 17 Sep 2025 14:14

Instrument :

MSVOA_N

ClientSampleId :

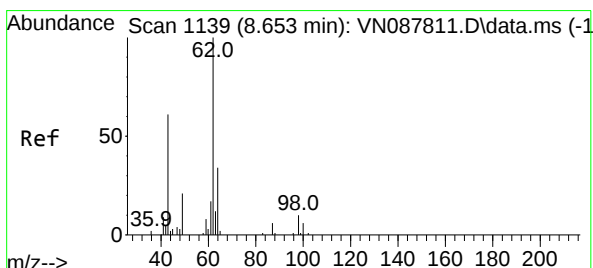
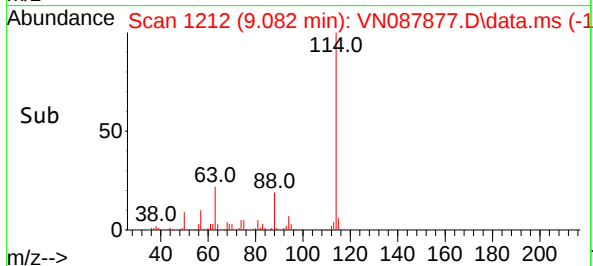
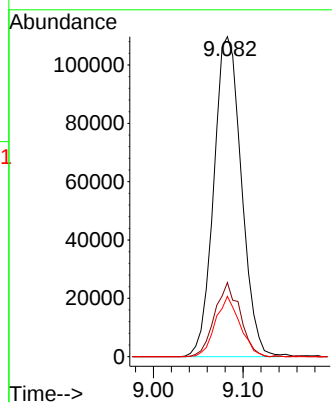
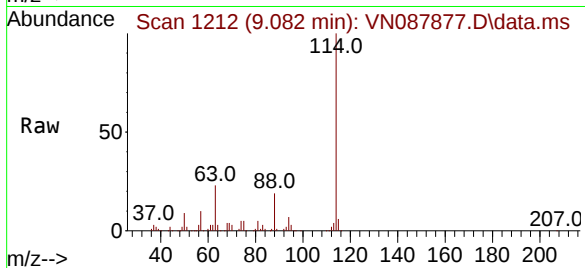
Tgt Ion:114 Resp: 234695

Ion Ratio Lower Upper

114 100

63 21.3 18.3 27.5

88 16.7 12.4 18.6



#36

1,2-Dichloroethane

Concen: 1.966 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. 0.423 min

Lab File: VN087877.D

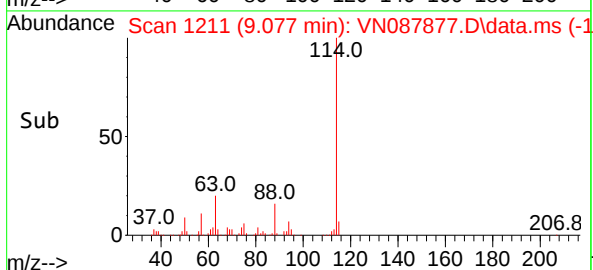
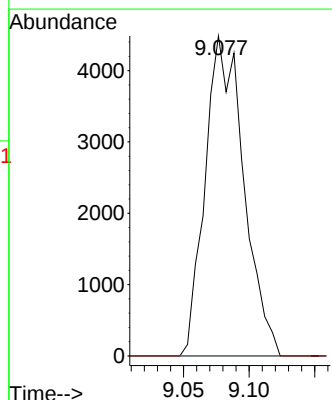
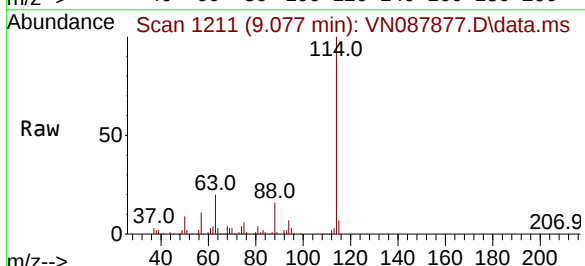
Acq: 17 Sep 2025 14:14

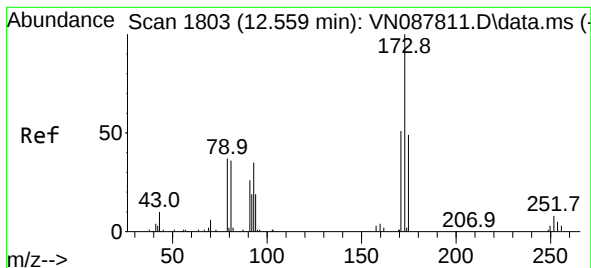
Tgt Ion: 62 Resp: 9156

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#





#56

Bromoform

Concen: 0.554 ug/l

RT: 12.823 min Scan# 11

Delta R.T. 0.265 min

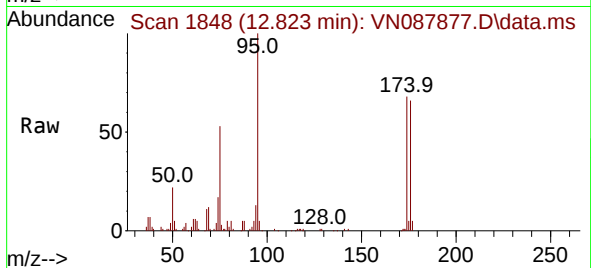
Lab File: VN087877.D

Acq: 17 Sep 2025 14:14

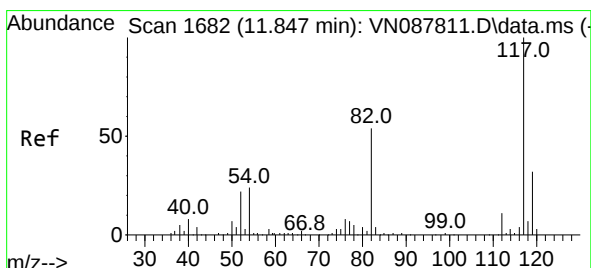
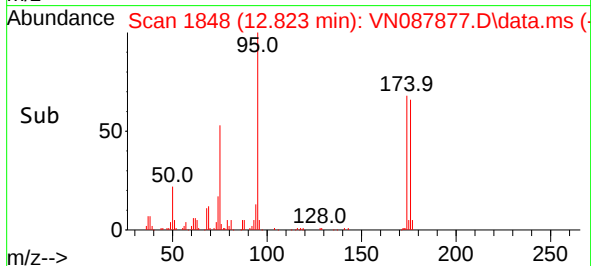
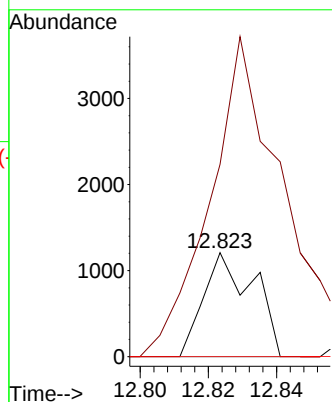
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1230
Ion Ratio	Lower	Upper	
173	100		
175	447.2	39.8	59.6#
254	0.0	6.2	9.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

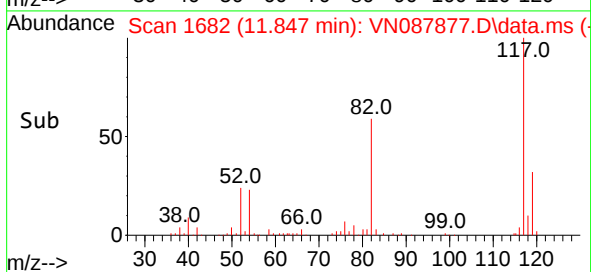
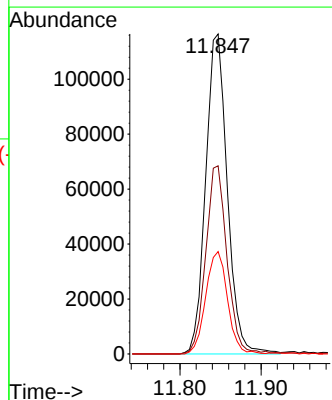
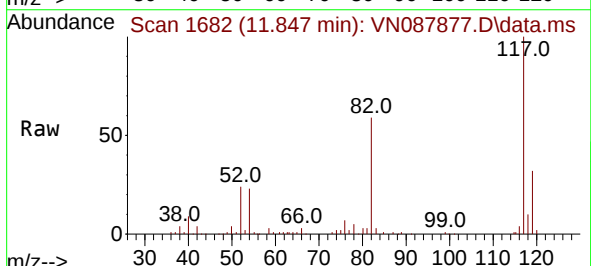
RT: 11.847 min Scan# 1682

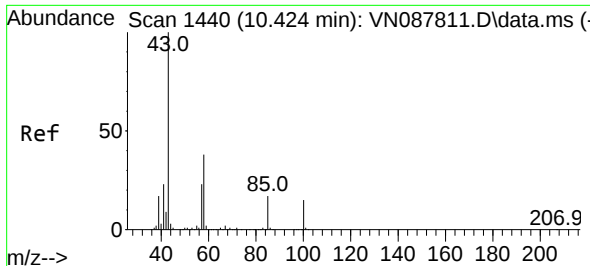
Delta R.T. 0.006 min

Lab File: VN087877.D

Acq: 17 Sep 2025 14:14

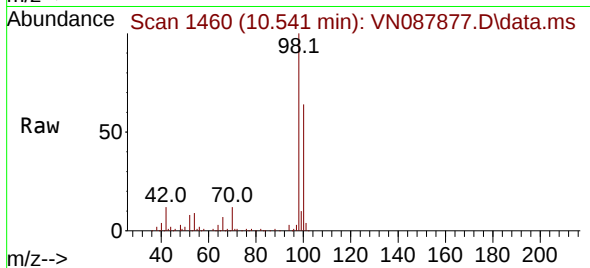
Tgt Ion:	117	Resp:	215584
Ion Ratio	Lower	Upper	
117	100		
82	57.5	45.9	68.9
119	32.2	25.3	37.9



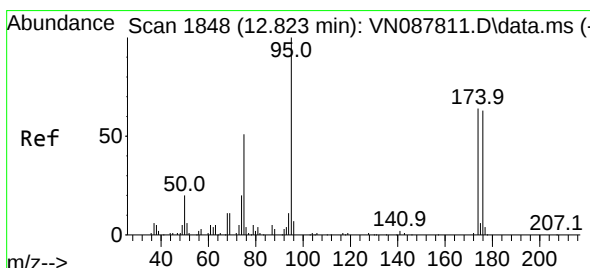
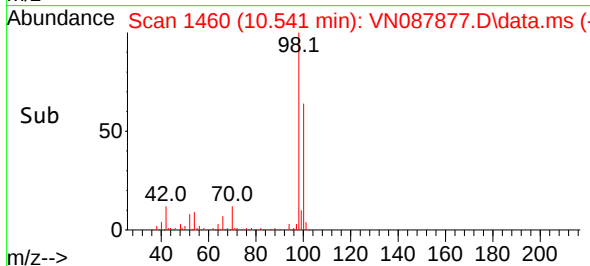
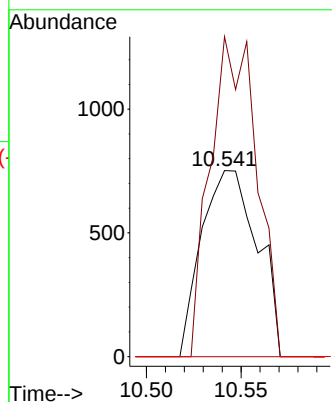


#58
4-Methyl-2-Pentanone
Concen: 0.303 ug/l
RT: 10.541 min Scan# 1440
Delta R.T. 0.118 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14

Instrument :
MSVOA_N
ClientSampleId :

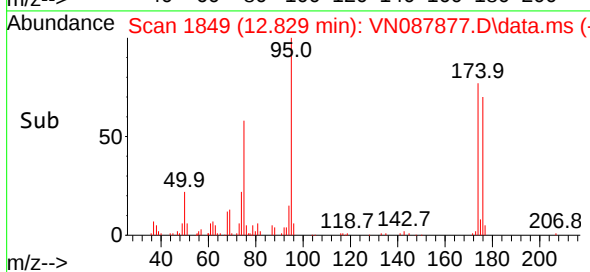
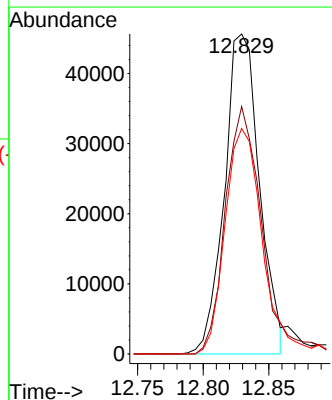
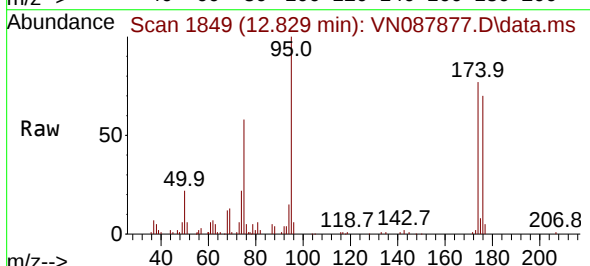


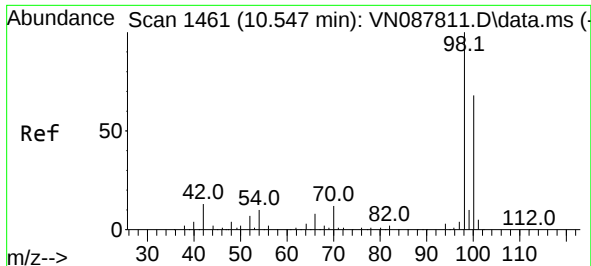
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
58 143.1 29.6 44.4#
85 0.0 13.0 19.4#



#60
4-Bromofluorobenzene
Concen: 24.474 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14

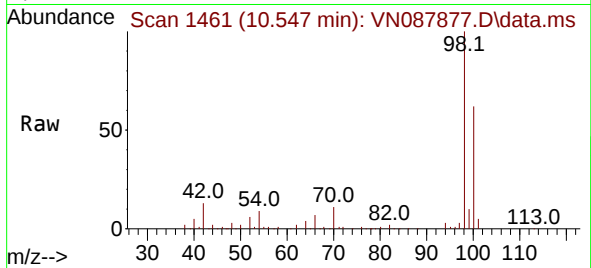
Tgt Ion: 95 Resp: 84836
Ion Ratio Lower Upper
95 100
174 80.4 55.4 83.0
176 74.3 51.5 77.3



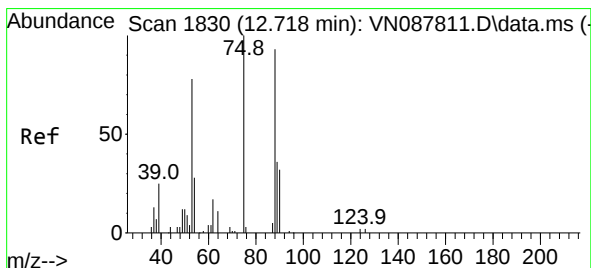
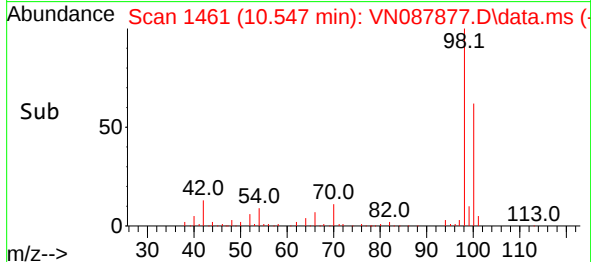
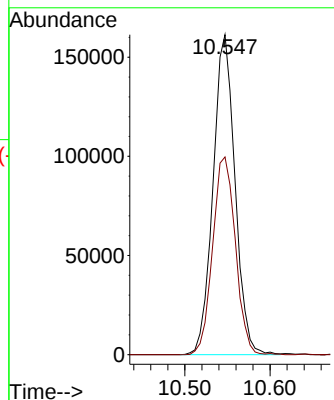


#63
Toluene-d8
Concen: 28.874 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 98 Resp: 289490
Ion Ratio Lower Upper
98 100
100 63.8 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 32.762 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14

Tgt Ion: 75 Resp: 50112
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.0 18.8 56.3#

