

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
 Data File : VN088066.D
 Acq On : 17 Oct 2025 14:58
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 18 01:29:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

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

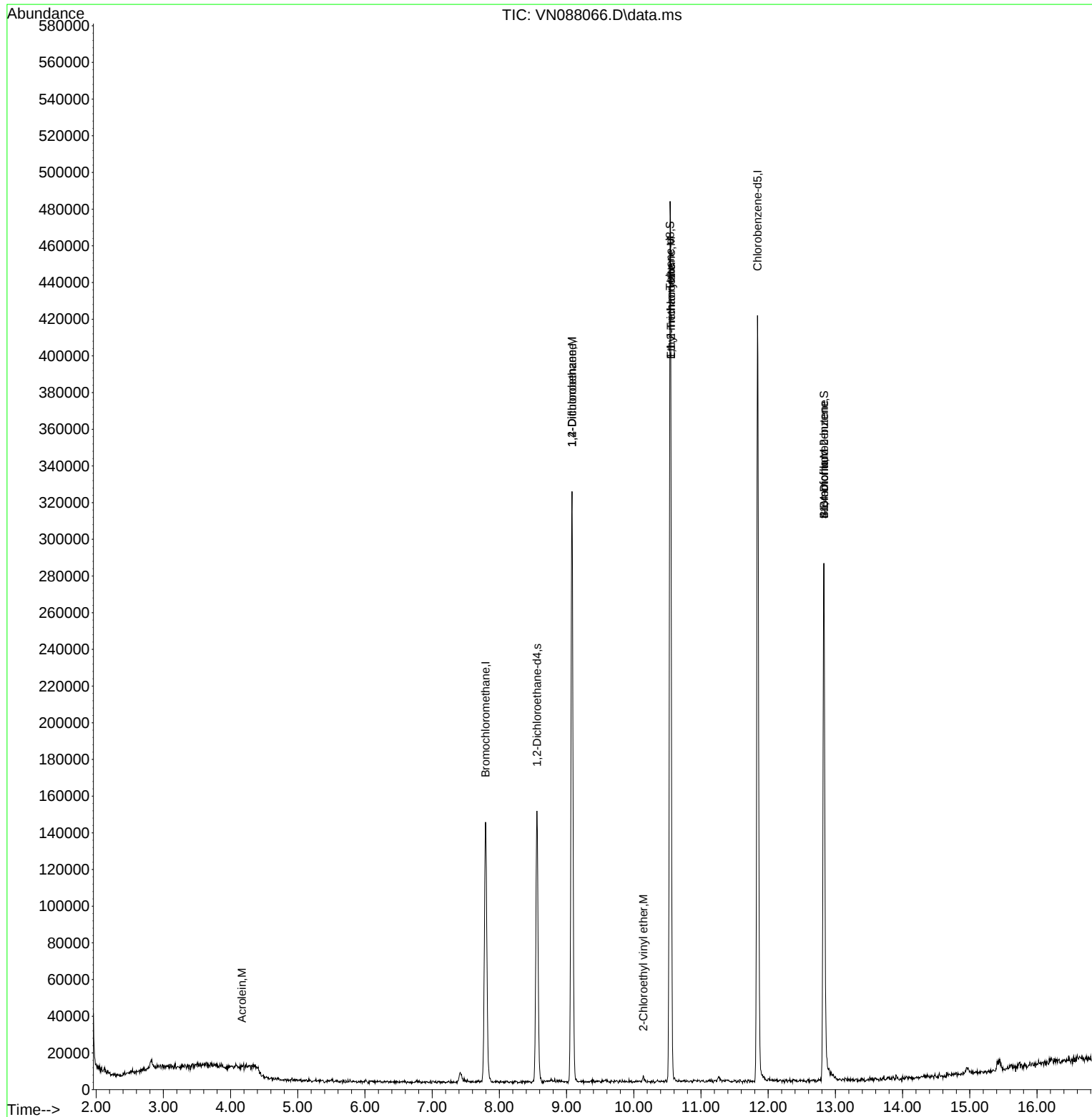
Internal Standards						
1) Bromochloromethane	7.794	128	48755	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	274454	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	233945	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	123089	32.422	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.067%
60) 4-Bromofluorobenzene	12.829	95	111837	28.998	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.667%
63) Toluene-d8	10.541	98	329215	31.585	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.267%
Target Compounds						
					Qvalue	
13) Acrolein	4.171	56	244	0.378	ug/l #	1
36) 1,2-Dichloroethane	9.082	62	10378	2.291	ug/l #	74
50) 1,1,2-Trichloroethane	10.553	97	11139	3.532	ug/l #	1
51) Ethyl methacrylate	10.553	69	1182	0.221	ug/l #	57
55) 2-Chloroethyl vinyl ether	10.141	63	1182	0.410	ug/l #	75
56) Bromoform	12.829	173	889	0.349	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	62365	36.620	ug/l #	17

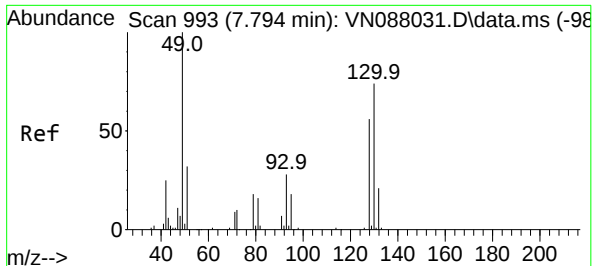
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
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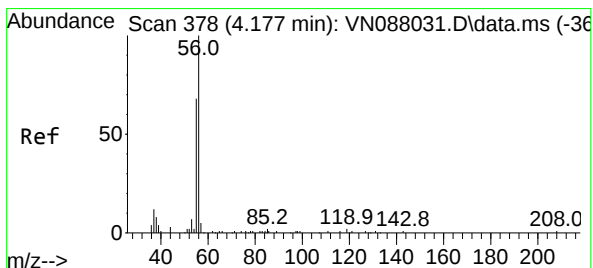
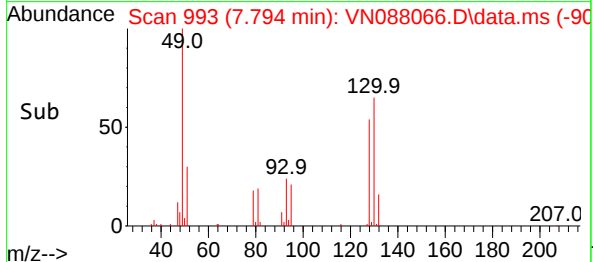
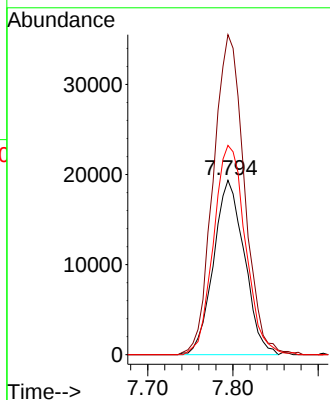
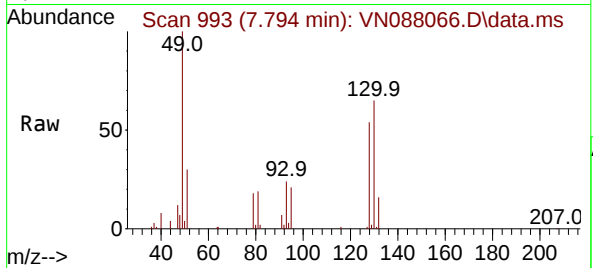




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088066.D
Acq: 17 Oct 2025 14:58

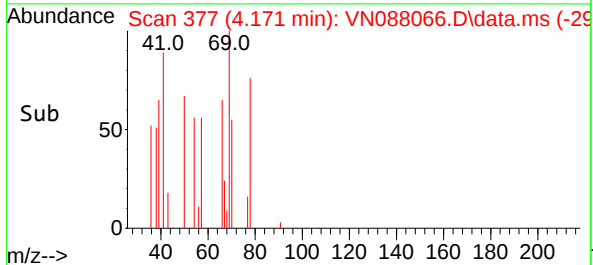
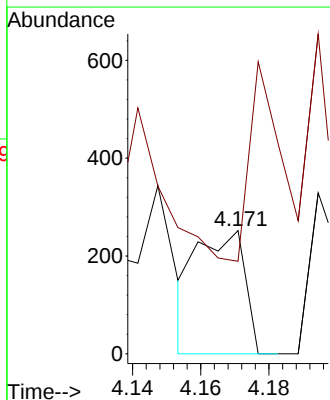
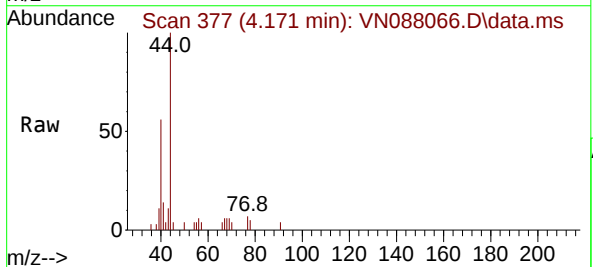
Instrument :
MSVOA_N
ClientSampleId :
IBLK

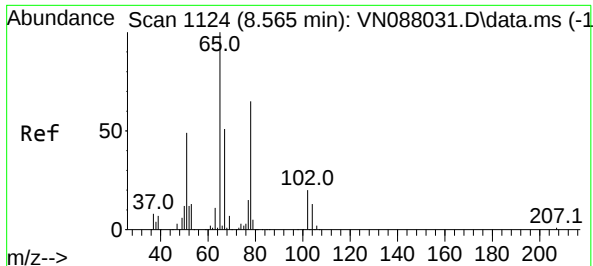
Tgt Ion:128 Resp: 48755
Ion Ratio Lower Upper
128 100
49 185.2 0.0 439.8
130 123.9 0.0 325.8



#13
Acrolein
Concen: 0.378 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN088066.D
Acq: 17 Oct 2025 14:58

Tgt Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 148.8 0.3 0.5#





#27

1,2-Dichloroethane-d4

Concen: 32.422 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN088066.D

Acq: 17 Oct 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

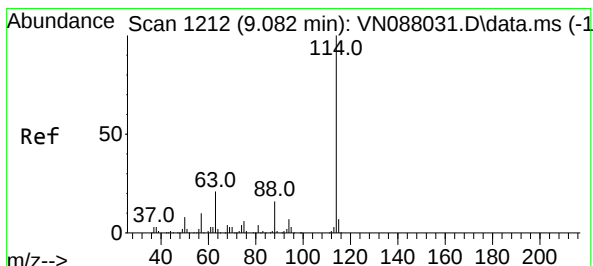
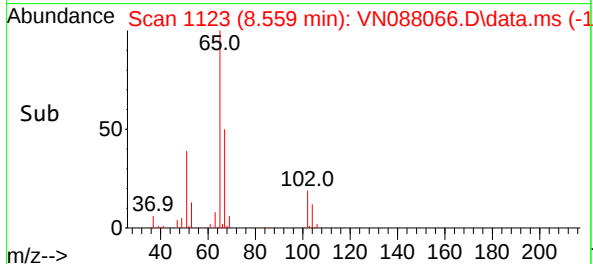
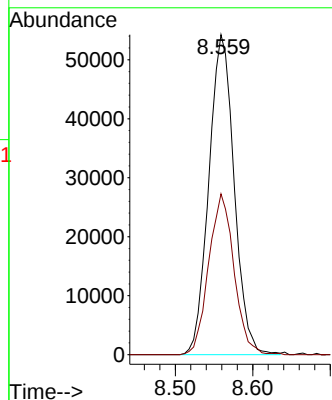
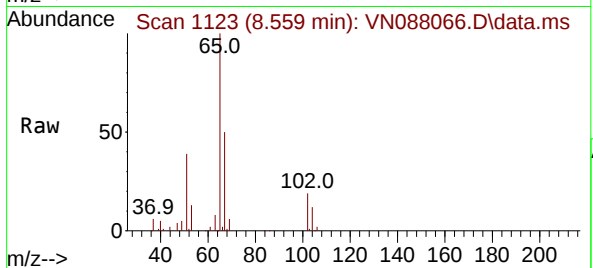
IBLK

Tgt Ion: 65 Resp: 123089

Ion Ratio Lower Upper

65 100

67 50.2 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088066.D

Acq: 17 Oct 2025 14:58

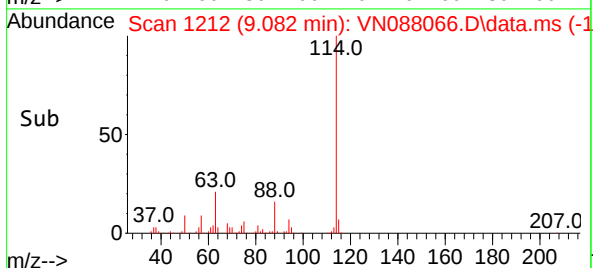
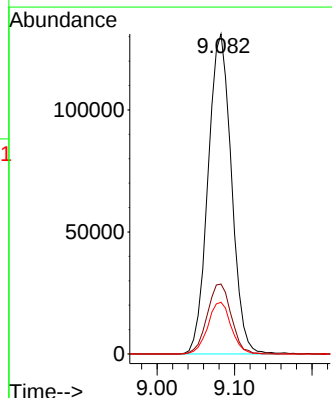
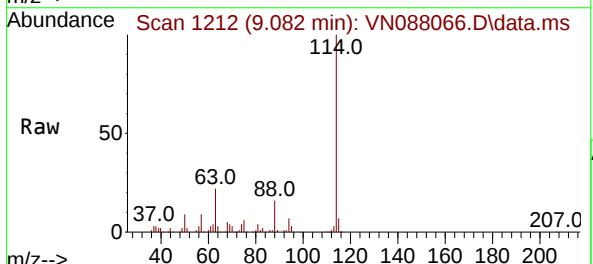
Tgt Ion: 114 Resp: 274454

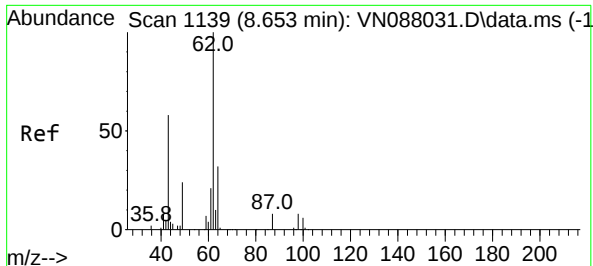
Ion Ratio Lower Upper

114 100

63 22.4 16.6 25.0

88 16.2 12.6 18.8





#36

1,2-Dichloroethane

Concen: 2.291 ug/l

RT: 9.082 min Scan# 11

Delta R.T. 0.429 min

Lab File: VN088066.D

Acq: 17 Oct 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

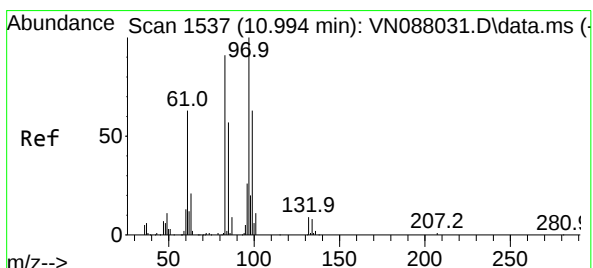
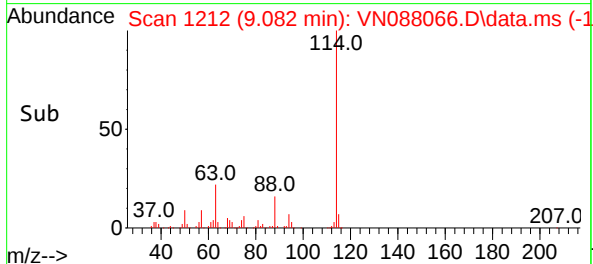
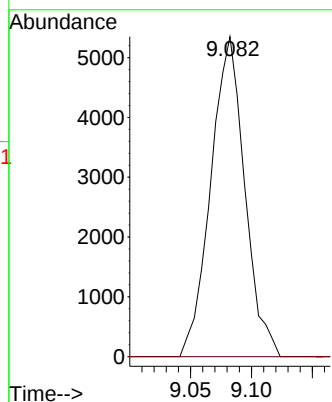
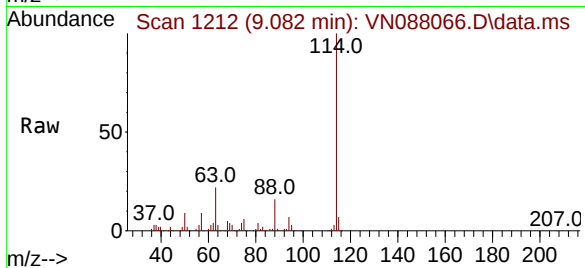
IBLK

Tgt Ion: 62 Resp: 10378

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.6#



#50

1,1,2-Trichloroethane

Concen: 3.532 ug/l

RT: 10.553 min Scan# 1462

Delta R.T. -0.441 min

Lab File: VN088066.D

Acq: 17 Oct 2025 14:58

Tgt Ion: 97 Resp: 11139

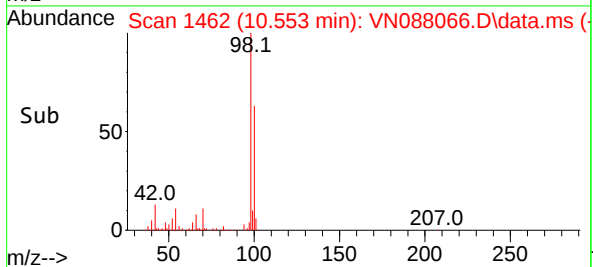
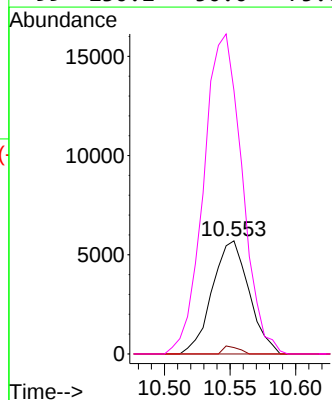
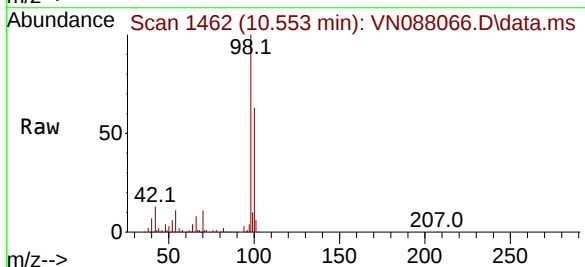
Ion Ratio Lower Upper

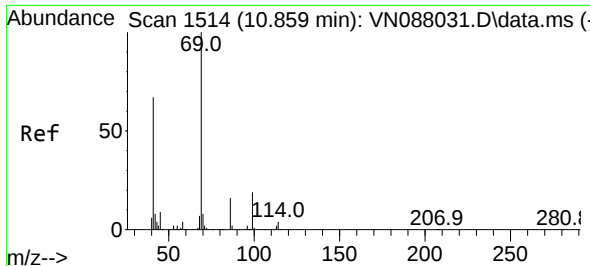
97 100

83 5.6 72.5 108.7#

85 0.0 45.5 68.3#

99 230.2 50.0 75.0#

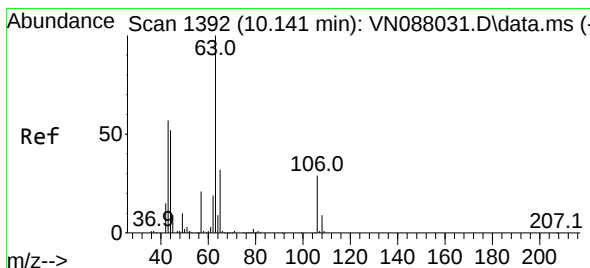
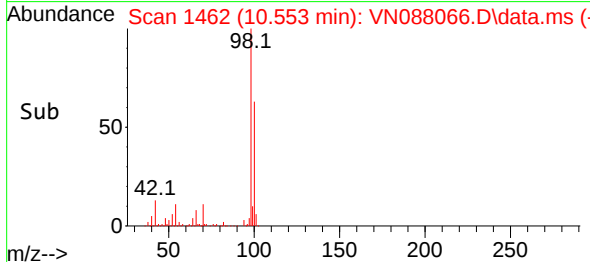
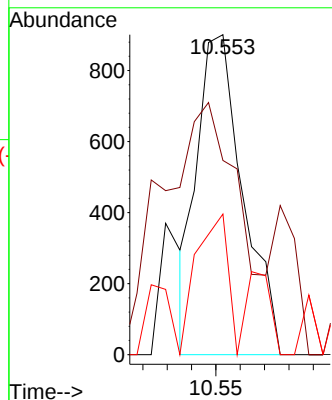
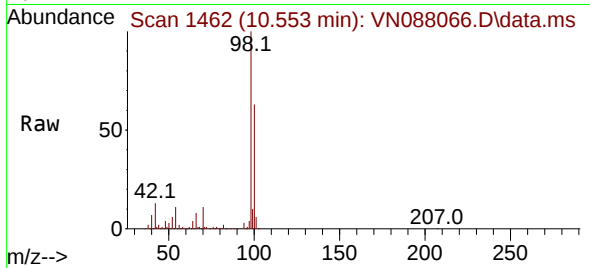




#51
Ethyl methacrylate
Concen: 0.221 ug/l
RT: 10.553 min Scan# 1462
Delta R.T. -0.306 min
Lab File: VN088066.D
Acq: 17 Oct 2025 14:58

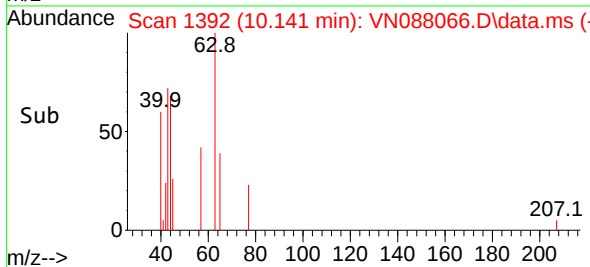
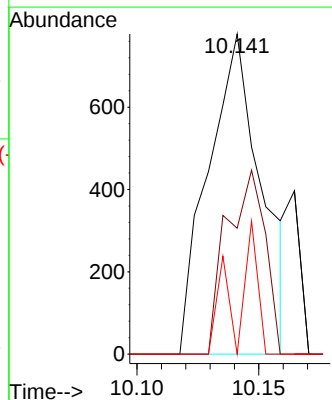
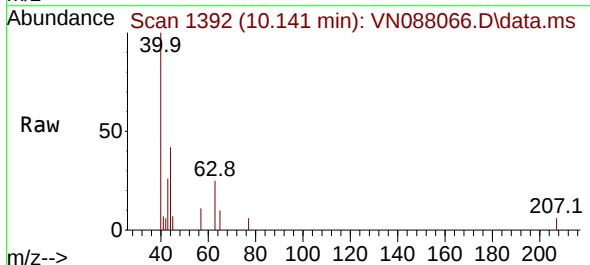
Instrument :
MSVOA_N
ClientSampleId :
IBLK

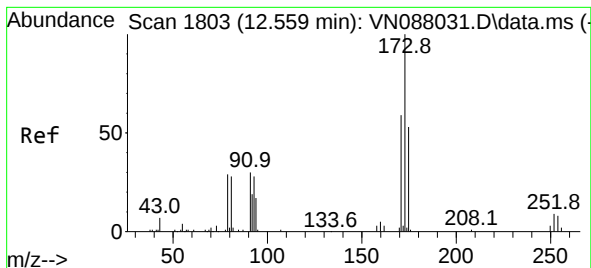
Tgt Ion: 69 Resp: 1182
Ion Ratio Lower Upper
69 100
41 14.1 33.3 99.8#
39 44.0 20.3 61.0



#55
2-Chloroethyl vinyl ether
Concen: 0.410 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN088066.D
Acq: 17 Oct 2025 14:58

Tgt Ion: 63 Resp: 1182
Ion Ratio Lower Upper
63 100
65 41.3 25.7 38.5#
106 9.6 22.6 34.0#





#56

Bromoform

Concen: 0.349 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.271 min

Lab File: VN088066.D

Acq: 17 Oct 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

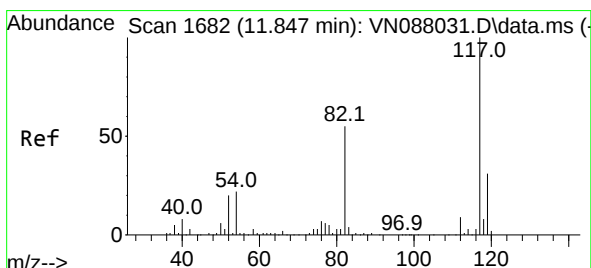
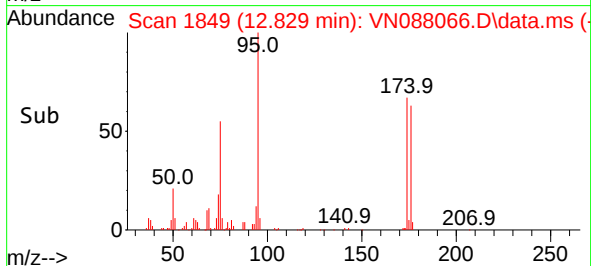
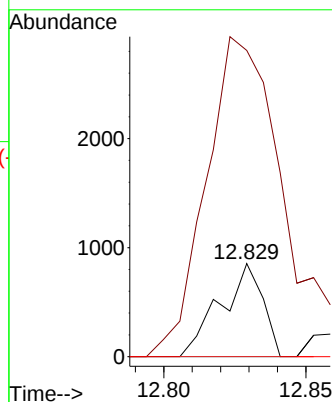
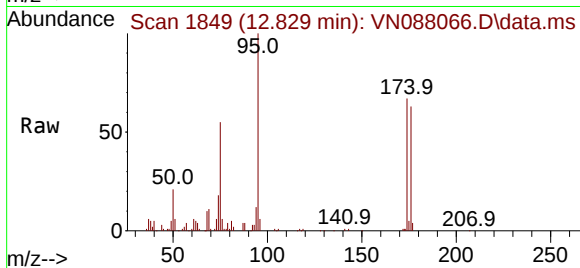
Tgt Ion:173 Resp: 889

Ion Ratio Lower Upper

173 100

175 620.8 39.6 59.4#

254 0.0 6.6 10.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.841 min Scan# 1681

Delta R.T. -0.006 min

Lab File: VN088066.D

Acq: 17 Oct 2025 14:58

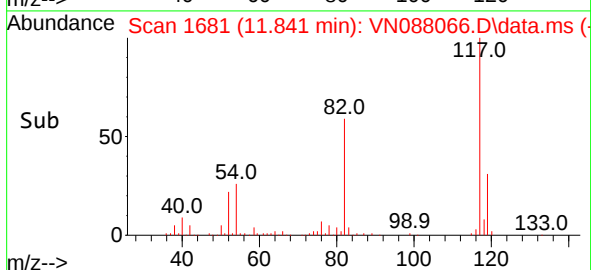
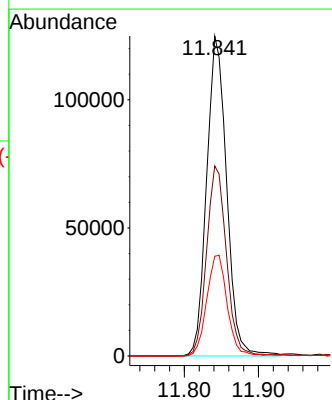
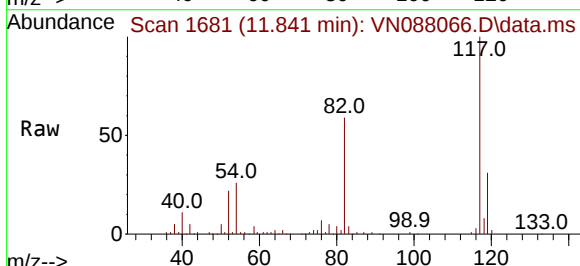
Tgt Ion:117 Resp: 233945

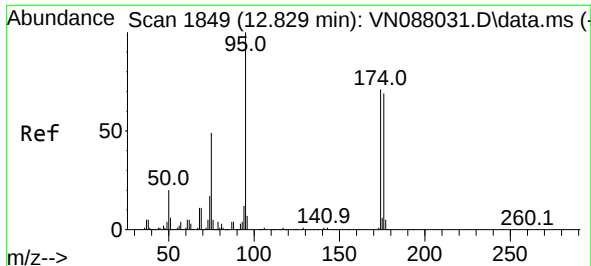
Ion Ratio Lower Upper

117 100

82 59.0 45.2 67.8

119 32.1 25.9 38.9

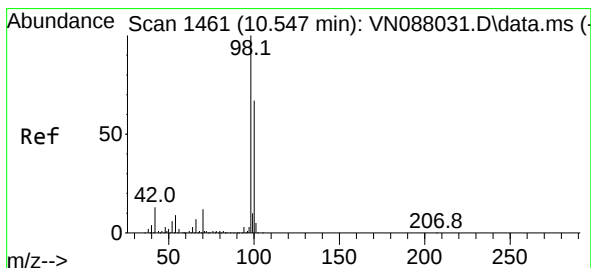
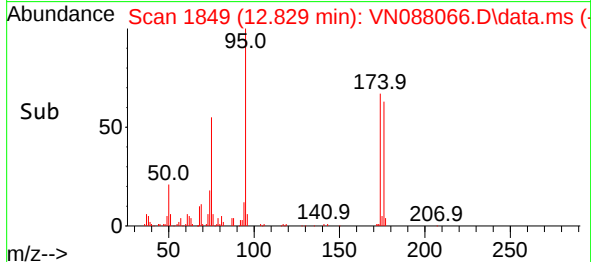
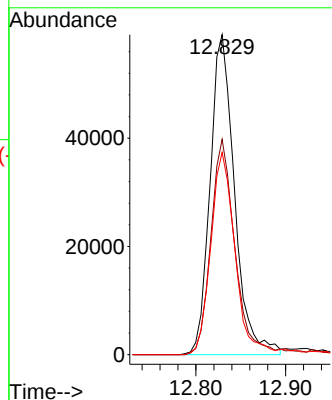
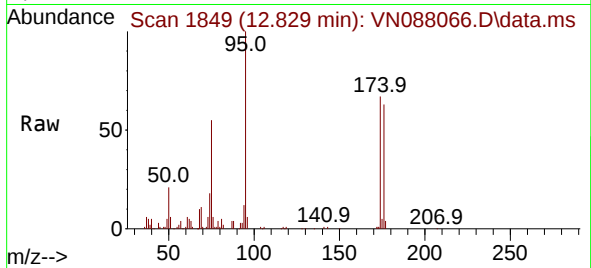




#60
4-Bromofluorobenzene
Concen: 28.998 ug/l
RT: 12.829 min Scan# 111837
Delta R.T. 0.000 min
Lab File: VN088066.D
Acq: 17 Oct 2025 14:58

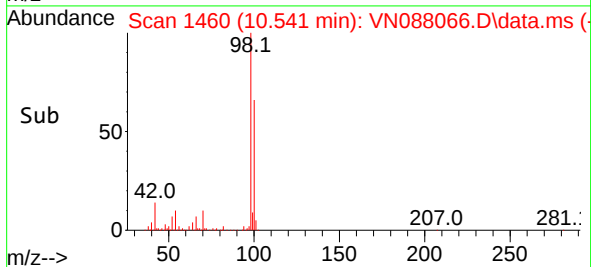
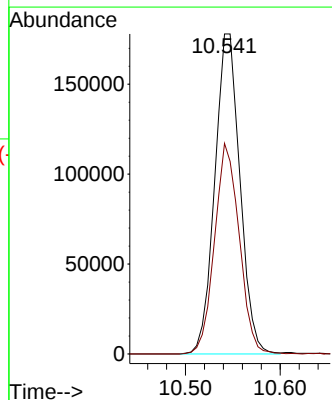
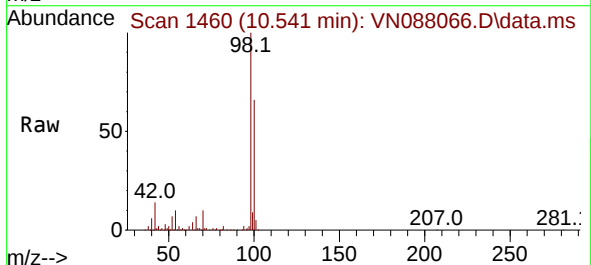
Instrument :
MSVOA_N
ClientSampleId :
IBLK

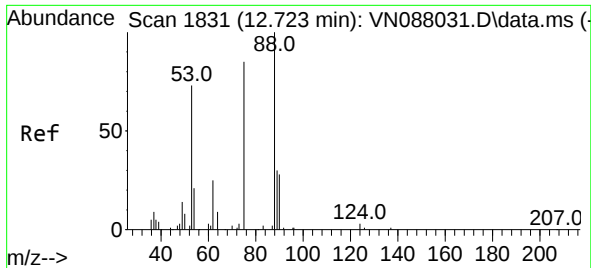
Tgt Ion: 95 Resp: 111837
Ion Ratio Lower Upper
95 100
174 67.0 57.4 86.0
176 62.3 57.0 85.4



#63
Toluene-d8
Concen: 31.585 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088066.D
Acq: 17 Oct 2025 14:58

Tgt Ion: 98 Resp: 329215
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7





#77

t-1,4-Dichloro-2-butene

Concen: 36.620 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.106 min

Lab File: VN088066.D

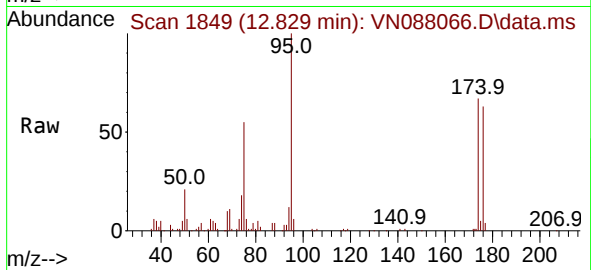
Acq: 17 Oct 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion: 75 Resp: 62365

Ion Ratio Lower Upper

75 100

53 0.6 41.8 125.3#

89 0.0 19.9 59.6#

