

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
 Data File : VN088060.D
 Acq On : 17 Oct 2025 11:53
 Operator : JC\MD
 Sample : Q3362-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Trip blank 251015076-03

Quant Time: Oct 18 01:27:36 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)

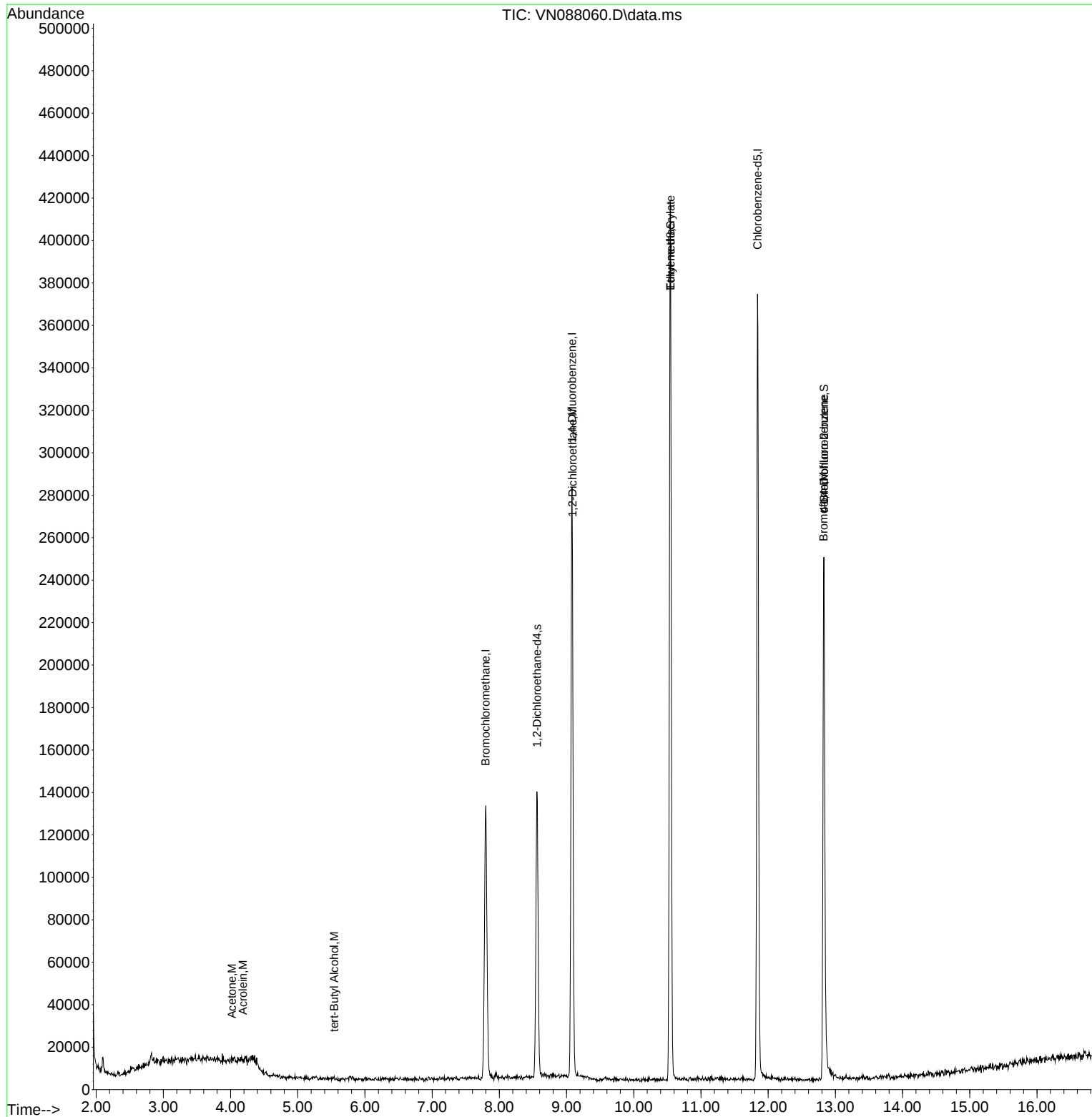
Internal Standards						
1) Bromochloromethane	7.794	128	43937	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	238376	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	212709	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	110886	32.410	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.033%
60) 4-Bromofluorobenzene	12.829	95	101235	28.870	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.233%
63) Toluene-d8	10.547	98	289573	30.555	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.867%
Target Compounds						
					Qvalue	
13) Acrolein	4.183	56	280	0.482	ug/l #	1
15) Acetone	4.018	58	144	0.271	ug/l #	1
23) tert-Butyl Alcohol	5.542	59	154	0.212	ug/l #	100
36) 1,2-Dichloroethane	9.088	62	9060	2.303	ug/l #	74
51) Ethyl methacrylate	10.547	69	1182	0.255	ug/l	94
56) Bromoform	12.823	173	702	0.317	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	55037	35.544	ug/l #	17

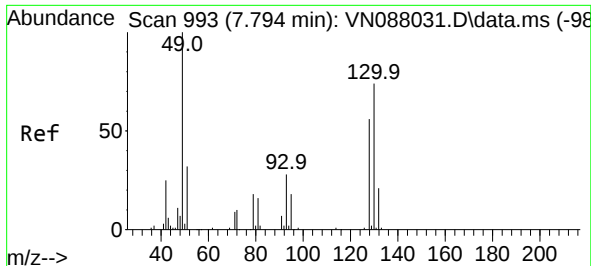
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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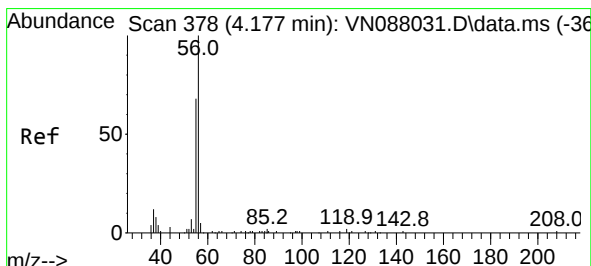
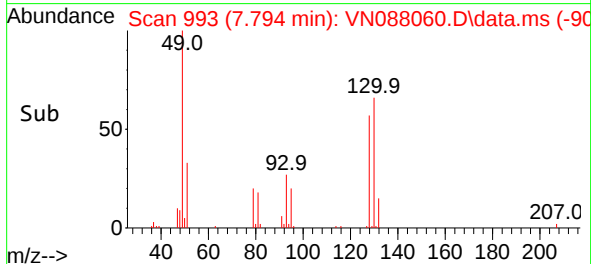
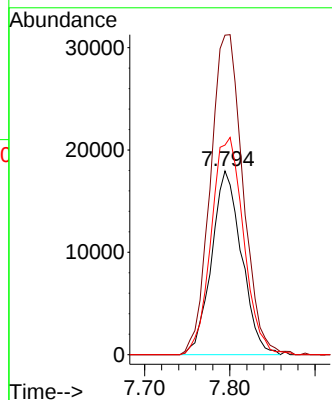
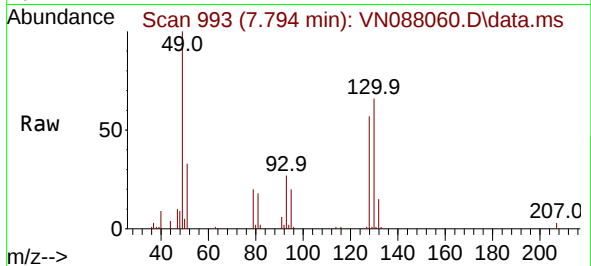




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088060.D
Acq: 17 Oct 2025 11:53

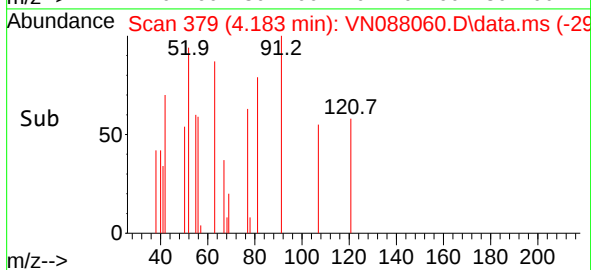
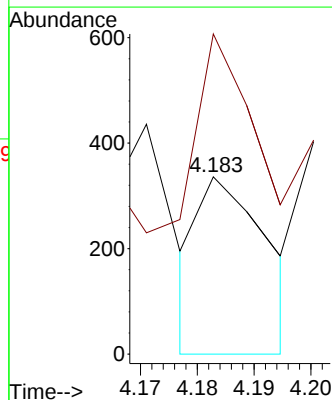
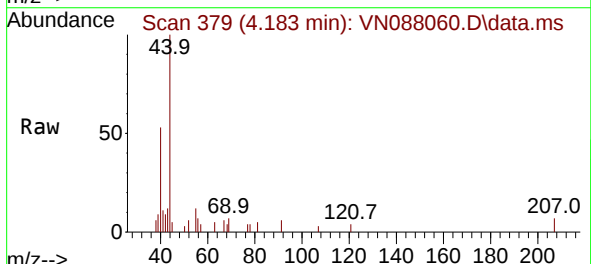
Instrument :
MSVOA_N
ClientSampleId :
Trip blank 251015076-03

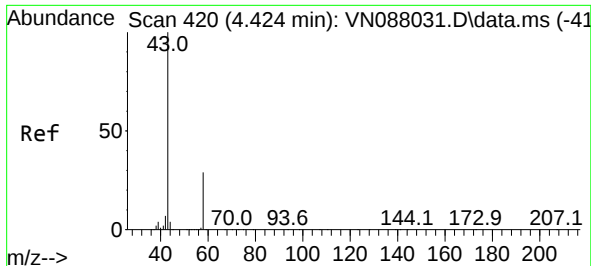
Tgt Ion:128 Resp: 43937
Ion Ratio Lower Upper
128 100
49 188.7 0.0 439.8
130 127.8 0.0 325.8



#13
Acrolein
Concen: 0.482 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN088060.D
Acq: 17 Oct 2025 11:53

Tgt Ion: 56 Resp: 280
Ion Ratio Lower Upper
56 100
55 87.9 0.3 0.5

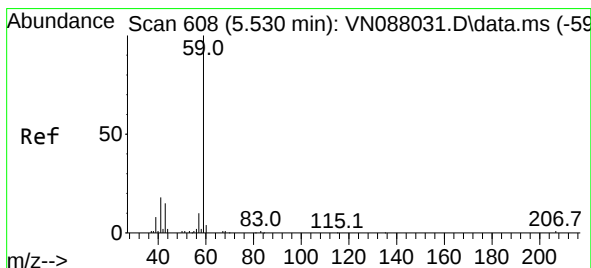
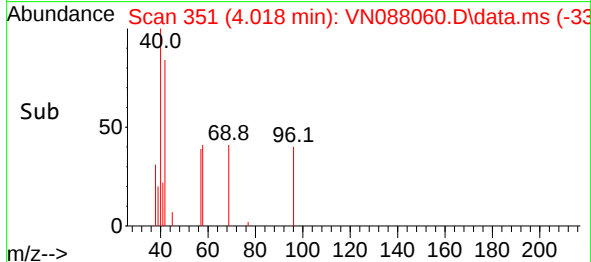
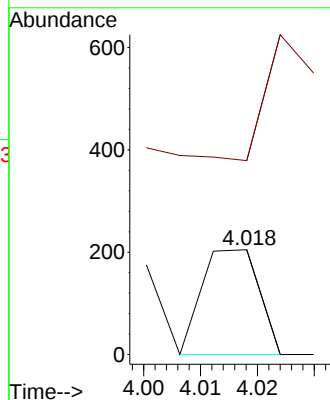
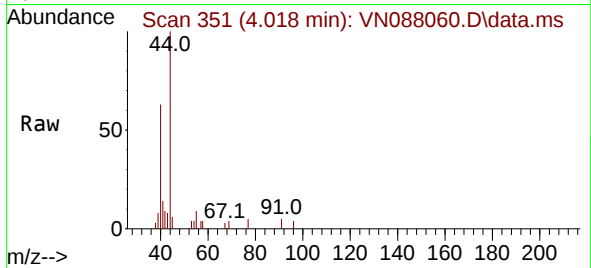




#15
Acetone
Concen: 0.271 ug/l
RT: 4.018 min Scan# 315
Delta R.T. -0.406 min
Lab File: VN088060.D
Acq: 17 Oct 2025 11:53

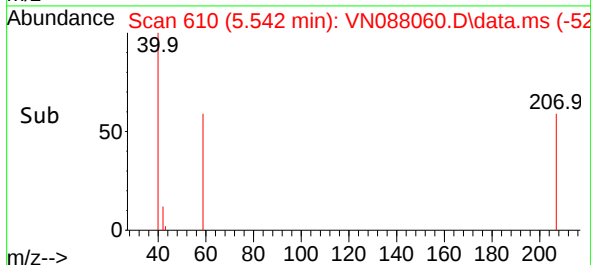
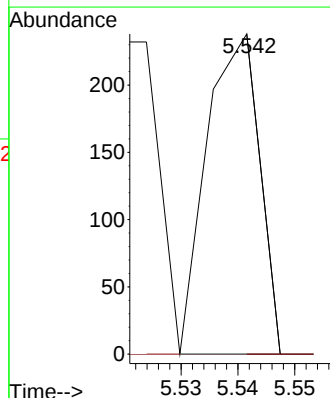
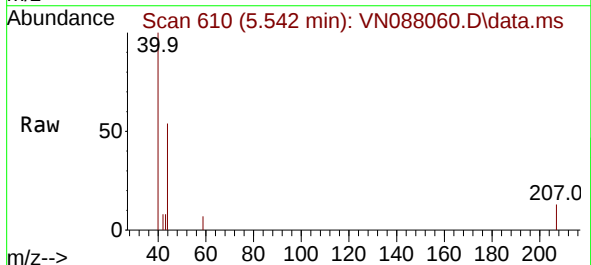
Instrument :
MSVOA_N
ClientSampleId :
Trip blank 251015076-03

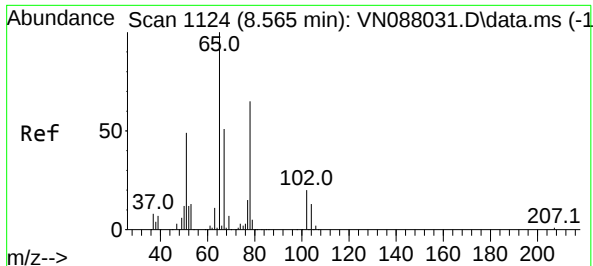
Tgt Ion: 58 Resp: 144
Ion Ratio Lower Upper
58 100
43 0.0 282.6 424.0#



#23
tert-Butyl Alcohol
Concen: 0.212 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN088060.D
Acq: 17 Oct 2025 11:53

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

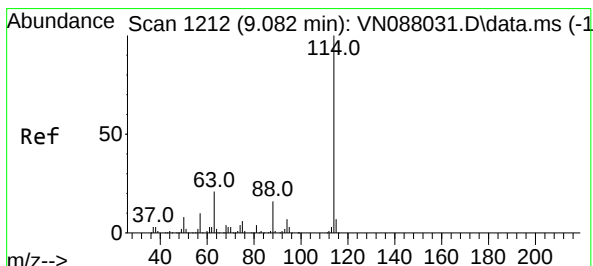
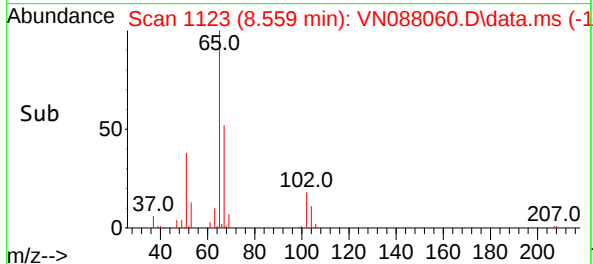
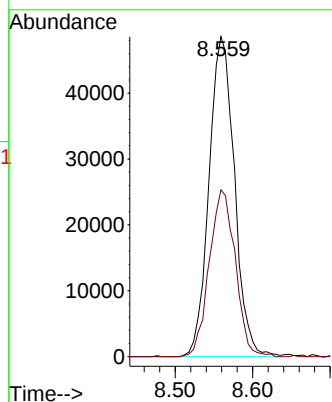
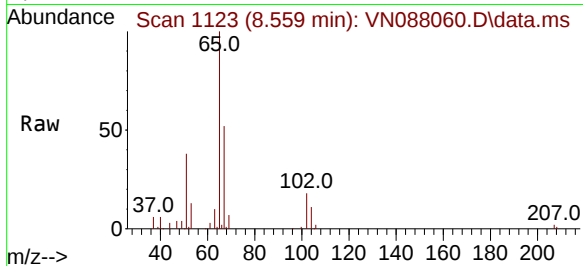




#27
1,2-Dichloroethane-d4
Concen: 32.410 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088060.D
Acq: 17 Oct 2025 11:53

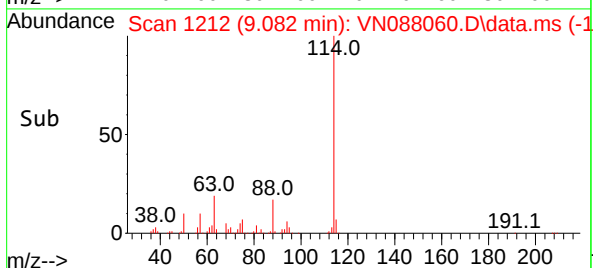
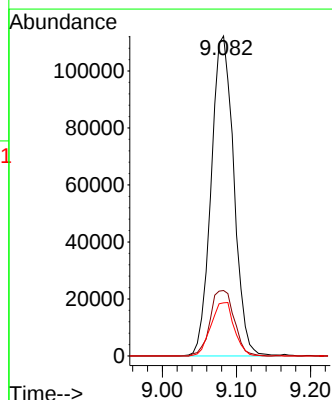
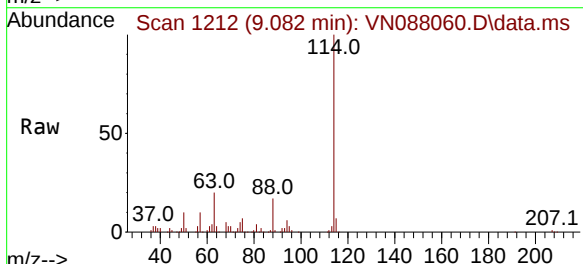
Instrument :
MSVOA_N
ClientSampleId :
Trip blank 251015076-03

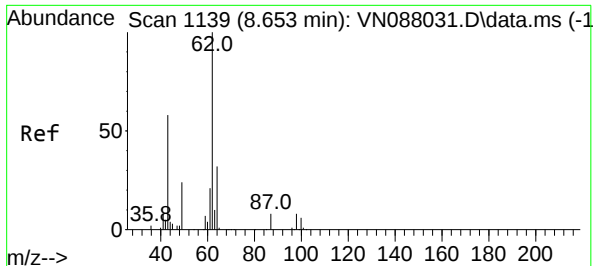
Tgt Ion: 65 Resp: 110886
Ion Ratio Lower Upper
65 100
67 53.2 41.9 62.9



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088060.D
Acq: 17 Oct 2025 11:53

Tgt Ion:114 Resp: 238376
Ion Ratio Lower Upper
114 100
63 21.8 16.6 25.0
88 17.2 12.6 18.8





#36

1,2-Dichloroethane

Concen: 2.303 ug/l

RT: 9.088 min Scan# 1139

Delta R.T. 0.435 min

Lab File: VN088060.D

Acq: 17 Oct 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

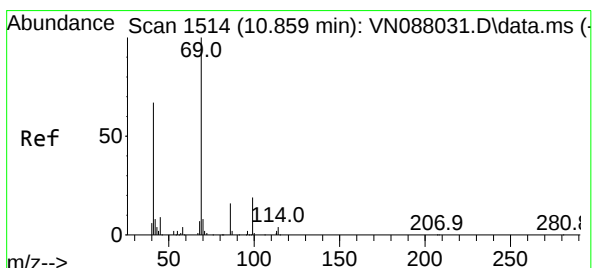
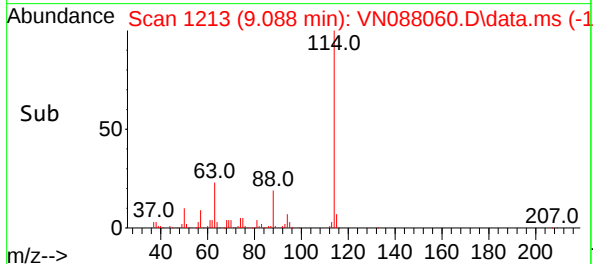
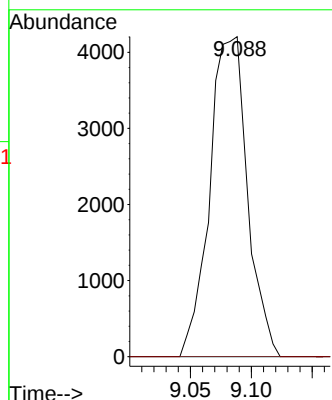
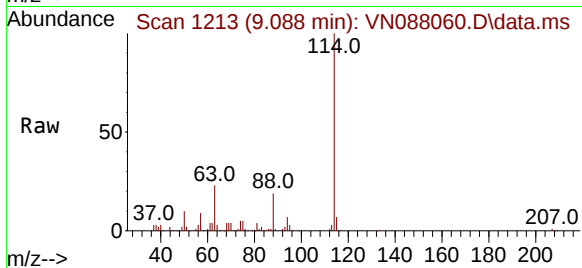
Trip blank 251015076-03

Tgt Ion: 62 Resp: 9060

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.6#



#51

Ethyl methacrylate

Concen: 0.255 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.312 min

Lab File: VN088060.D

Acq: 17 Oct 2025 11:53

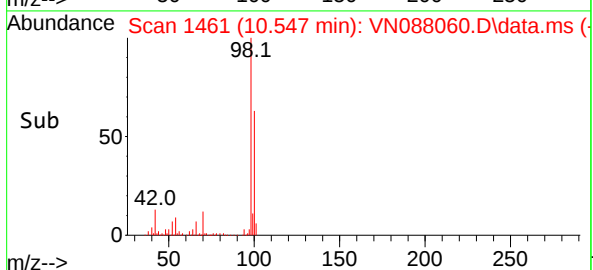
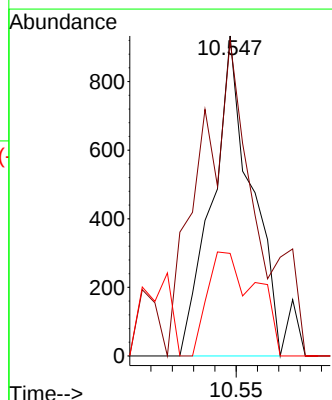
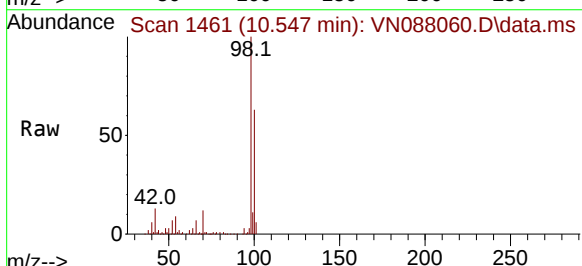
Tgt Ion: 69 Resp: 1182

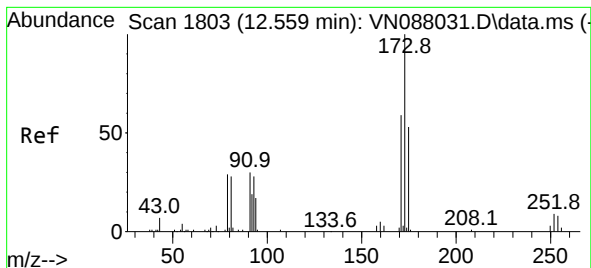
Ion Ratio Lower Upper

69 100

41 67.7 33.3 99.8

39 32.0 20.3 61.0





#56

Bromoform

Concen: 0.317 ug/l

RT: 12.823 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN088060.D

Acq: 17 Oct 2025 11:53

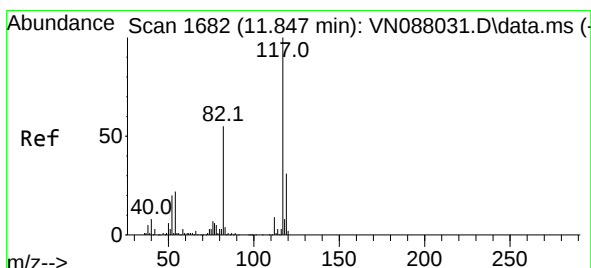
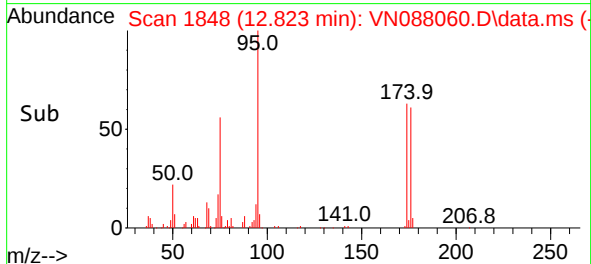
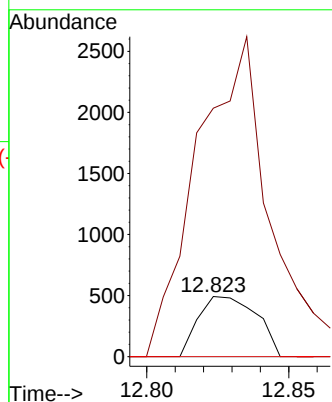
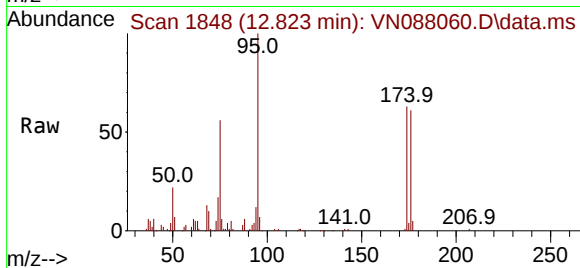
Instrument :

MSVOA_N

ClientSampleId :

Trip blank 251015076-03

Tgt Ion:173	Resp:	702
Ion Ratio	Lower	Upper
173	100	
175	660.3	39.6 59.4#
254	0.0	6.6 10.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

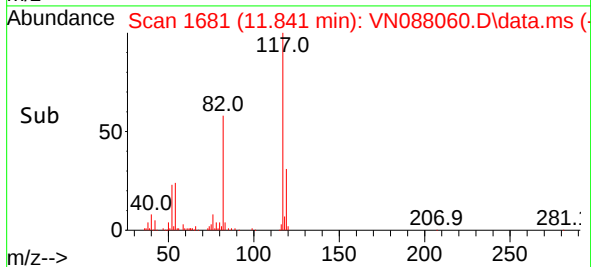
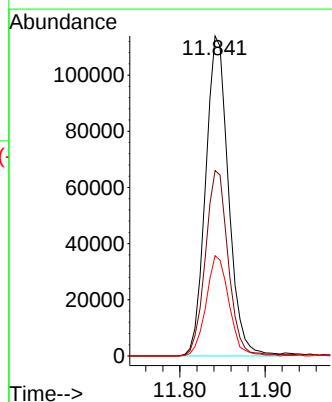
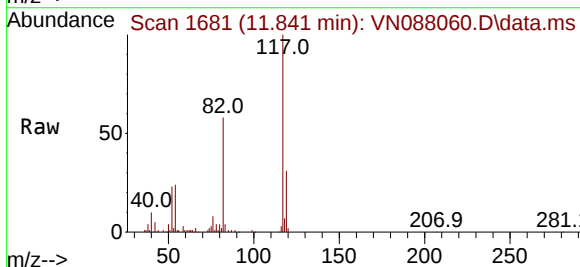
RT: 11.841 min Scan# 1681

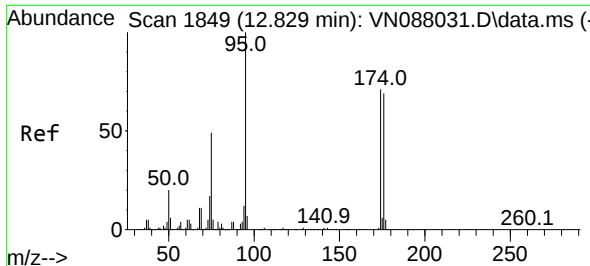
Delta R.T. -0.006 min

Lab File: VN088060.D

Acq: 17 Oct 2025 11:53

Tgt Ion:117	Resp:	212709
Ion Ratio	Lower	Upper
117	100	
82	58.0	45.2 67.8
119	31.2	25.9 38.9

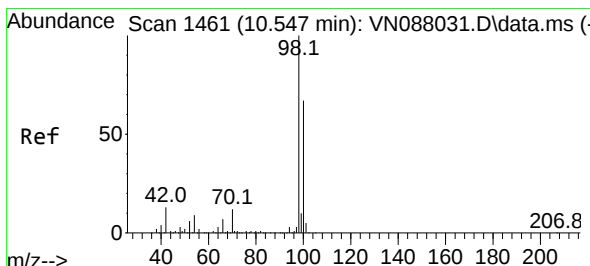
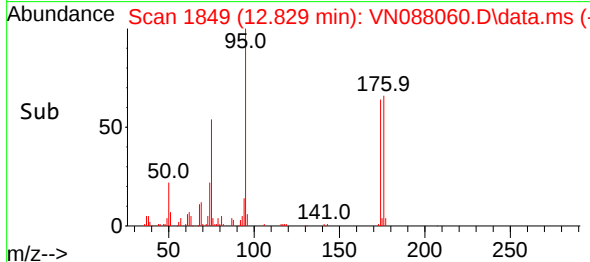
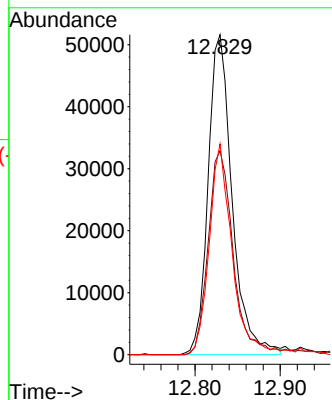
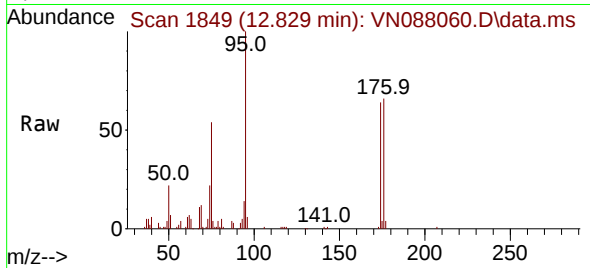




#60
4-Bromofluorobenzene
Concen: 28.870 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088060.D
Acq: 17 Oct 2025 11:53

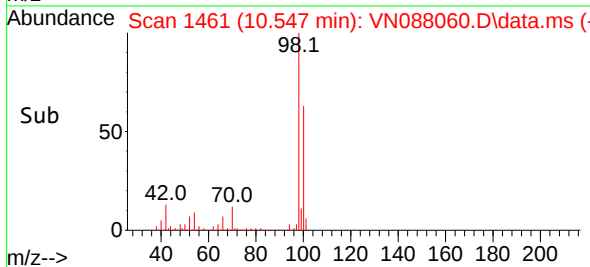
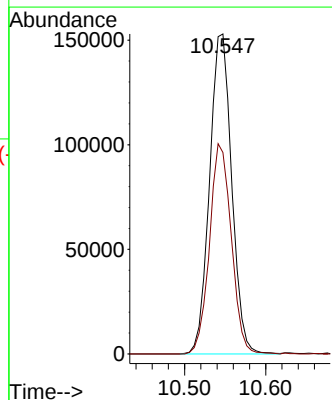
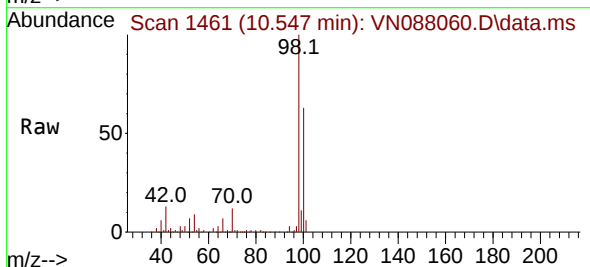
Instrument :
MSVOA_N
ClientSampleId :
Trip blank 251015076-03

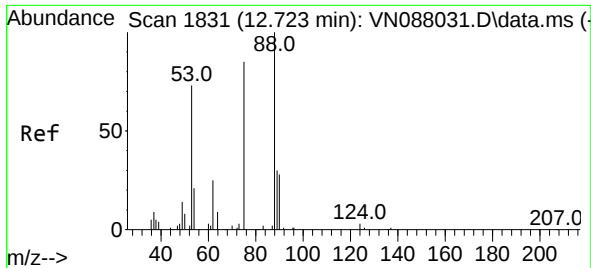
Tgt Ion: 95 Resp: 101235
Ion Ratio Lower Upper
95 100
174 66.3 57.4 86.0
176 62.7 57.0 85.4



#63
Toluene-d8
Concen: 30.555 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088060.D
Acq: 17 Oct 2025 11:53

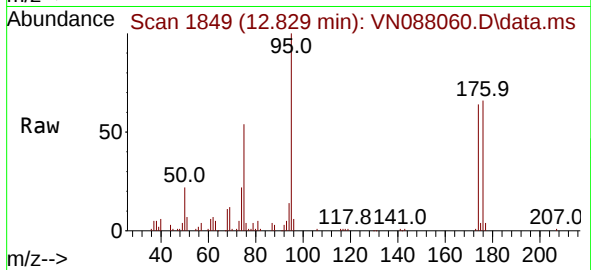
Tgt Ion: 98 Resp: 289573
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7





#77
t-1,4-Dichloro-2-butene
Concen: 35.544 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN088060.D
Acq: 17 Oct 2025 11:53

Instrument :
MSVOA_N
ClientSampleId :
Trip blank 251015076-03



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	41.8	125.3#
89	0.0	19.9	59.6#

