

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
 Data File : VN087312.D
 Acq On : 09 Jul 2025 14:46
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 10 01:26:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

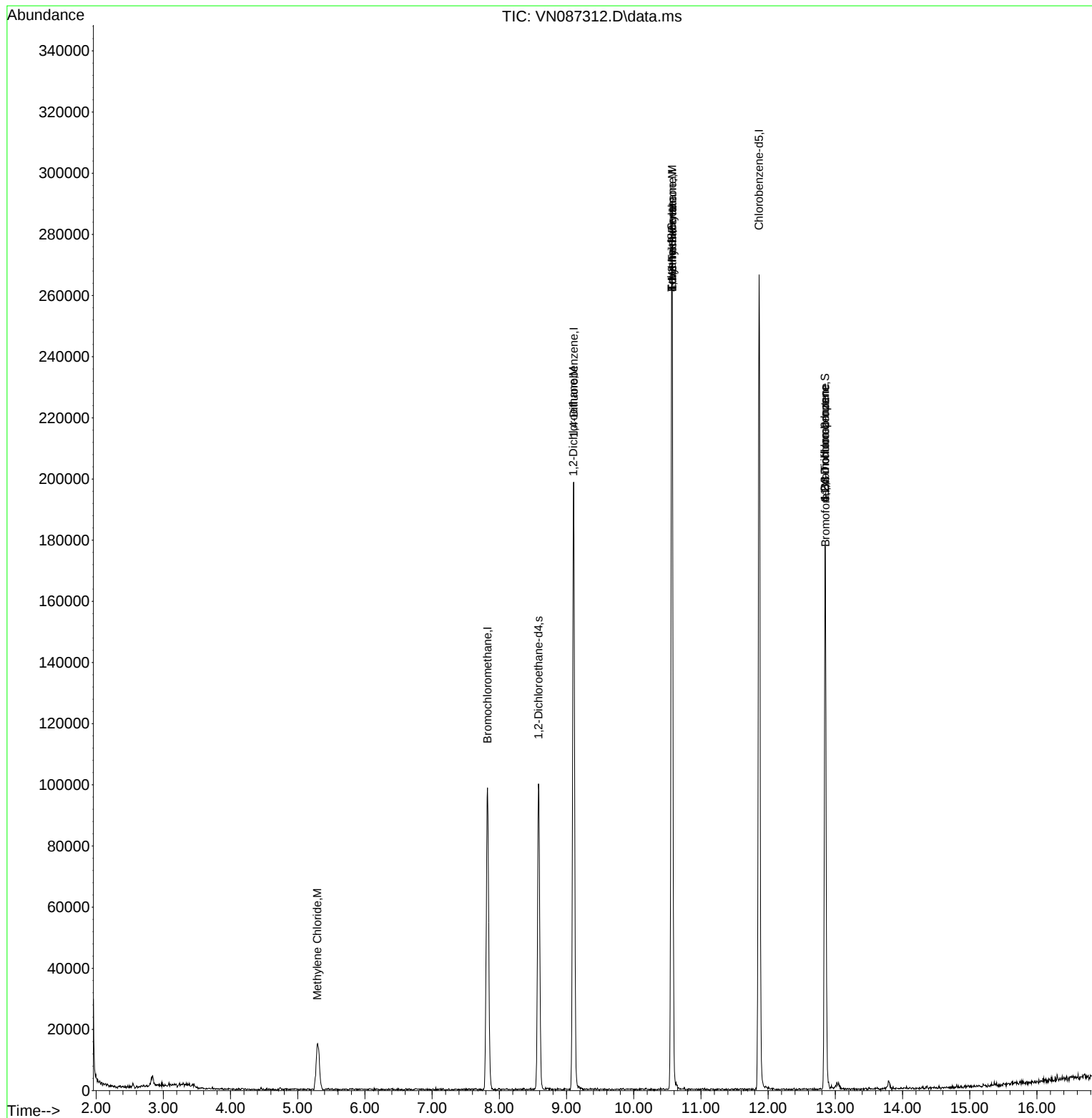
Internal Standards						
1) Bromochloromethane	7.824	128	38638	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	174805	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	162921	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	84609	29.063	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.867%
60) 4-Bromofluorobenzene	12.847	95	69041	27.462	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.533%
63) Toluene-d8	10.565	98	206830	28.274	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.233%
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.289	84	10506	3.875	ug/l	90
36) 1,2-Dichloroethane	9.100	62	6141	2.202	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	8012	3.829	ug/l #	1
51) Ethyl methacrylate	10.571	69	655	0.206	ug/l #	27
56) Bromoform	12.853	173	629	0.417	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	769	0.235	ug/l #	6
72) 1,2,3-Trichloropropane	12.847	75	34807	12.228	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	34807	27.568	ug/l #	13

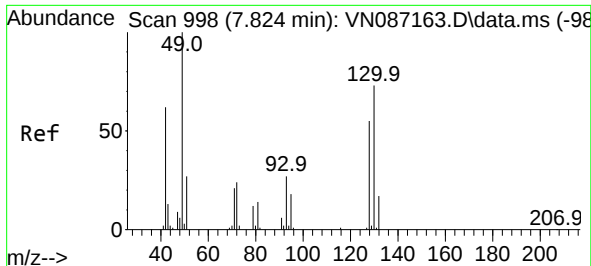
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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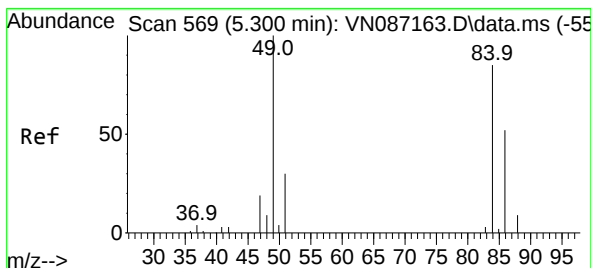
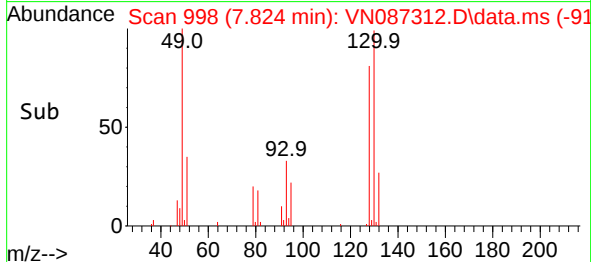
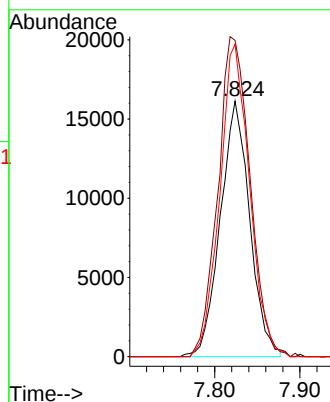
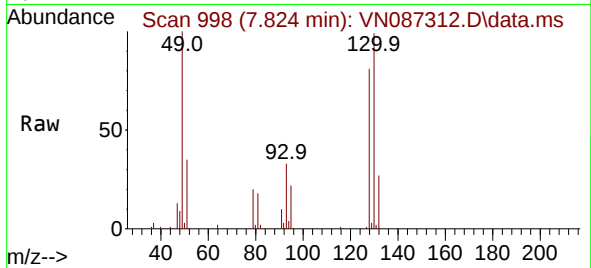




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087312.D
Acq: 09 Jul 2025 14:46

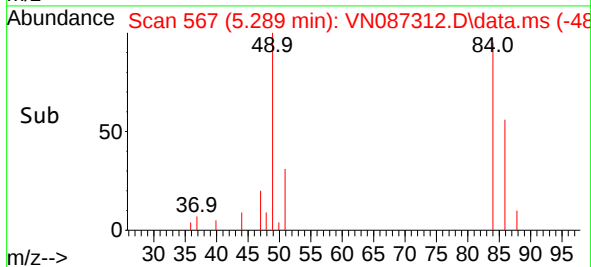
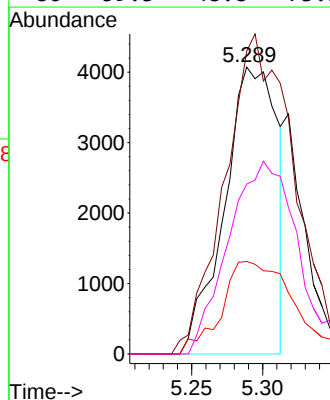
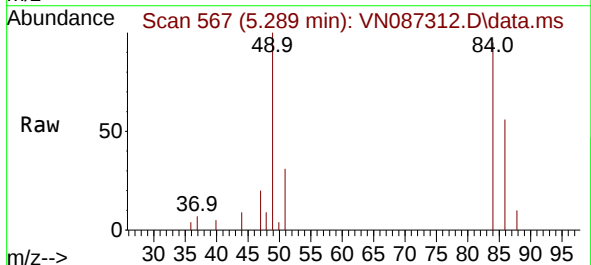
Instrument :
MSVOA_N
ClientSampleId :
IBLK

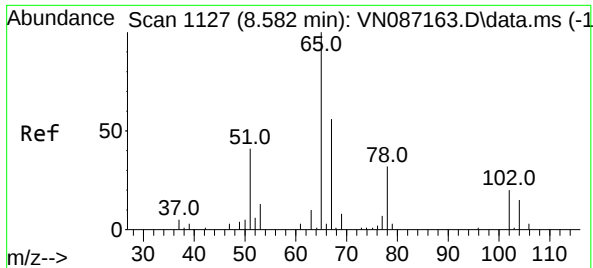
Tgt Ion:	128	Resp:	38638
Ion	Ratio	Lower	Upper
128	100		
49	136.7	0.0	450.5
130	124.4	0.0	320.7



#18
Methylene Chloride
Concen: 3.875 ug/l
RT: 5.289 min Scan# 567
Delta R.T. -0.012 min
Lab File: VN087312.D
Acq: 09 Jul 2025 14:46

Tgt Ion:	84	Resp:	10506
Ion	Ratio	Lower	Upper
84	100		
49	100.9	94.0	141.0
51	32.2	28.3	42.5
86	59.3	48.8	73.2

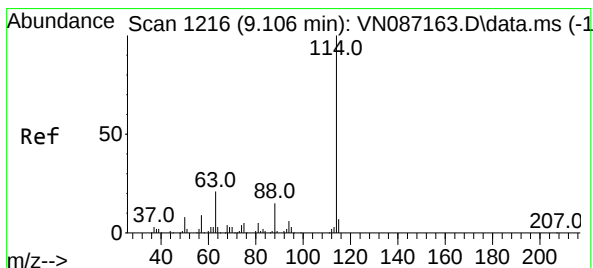
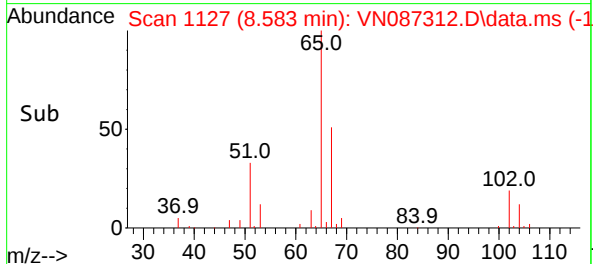
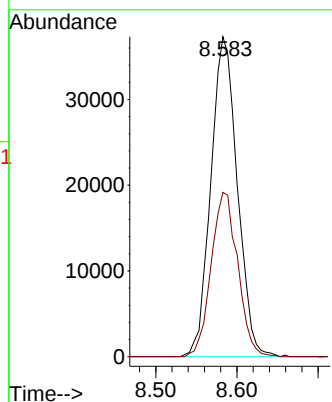
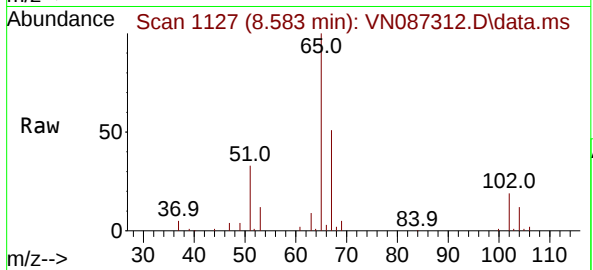




#27
1,2-Dichloroethane-d4
Concen: 29.063 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087312.D
Acq: 09 Jul 2025 14:46

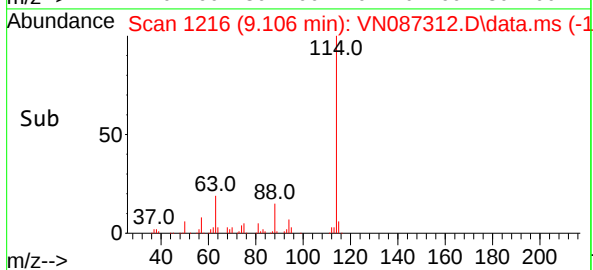
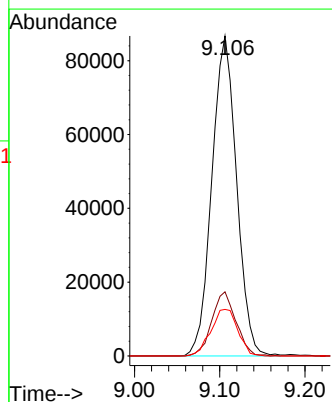
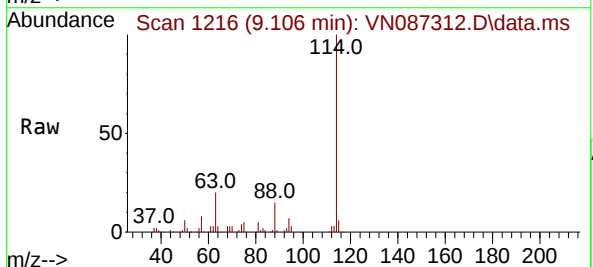
Instrument :
MSVOA_N
ClientSampleId :
IBLK

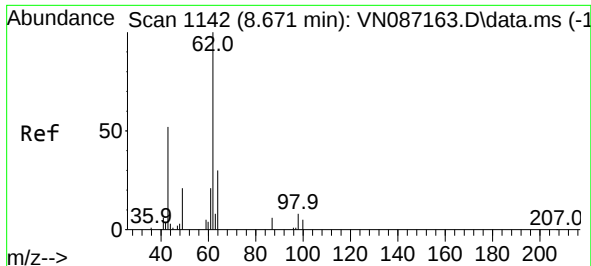
Tgt Ion: 65 Resp: 84609
Ion Ratio Lower Upper
65 100
67 51.5 41.9 62.9



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN087312.D
Acq: 09 Jul 2025 14:46

Tgt Ion: 114 Resp: 174805
Ion Ratio Lower Upper
114 100
63 19.5 17.0 25.4
88 15.8 12.6 19.0





#36

1,2-Dichloroethane

Concen: 2.202 ug/l

RT: 9.100 min Scan# 1142

Delta R.T. 0.430 min

Lab File: VN087312.D

Acq: 09 Jul 2025 14:46

Instrument :

MSVOA_N

ClientSampleId :

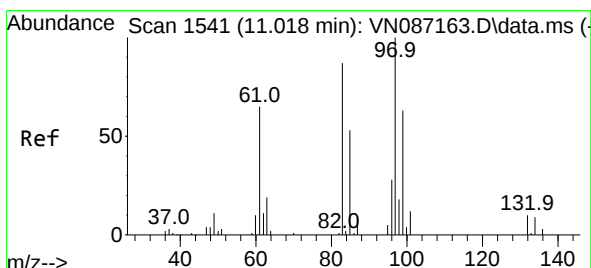
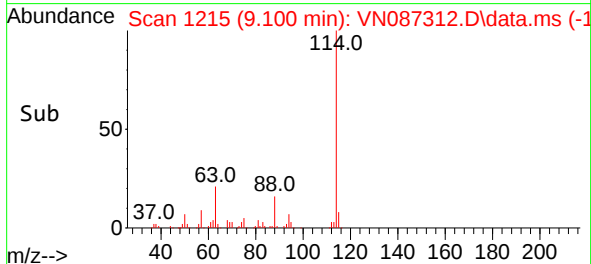
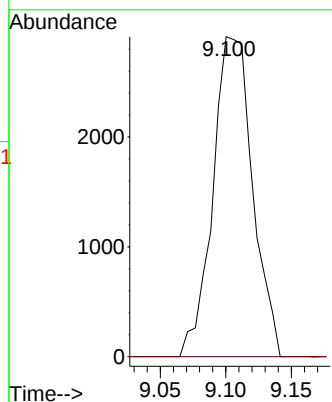
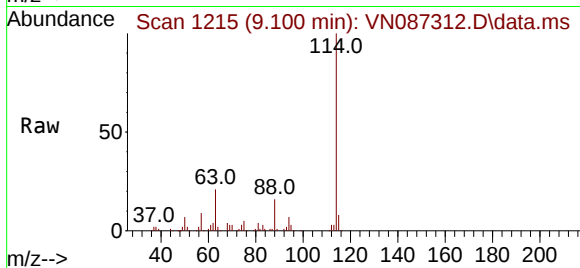
IBLK

Tgt Ion: 62 Resp: 6141

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#50

1,1,2-Trichloroethane

Concen: 3.829 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN087312.D

Acq: 09 Jul 2025 14:46

Tgt Ion: 97 Resp: 8012

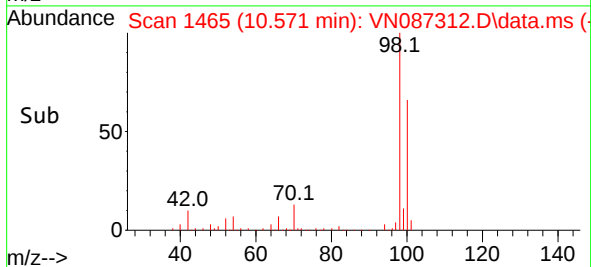
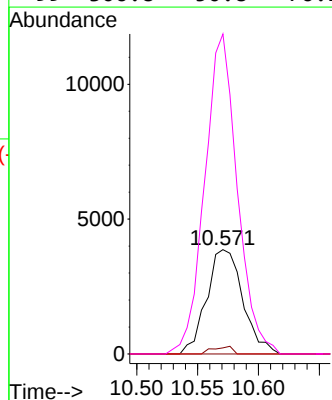
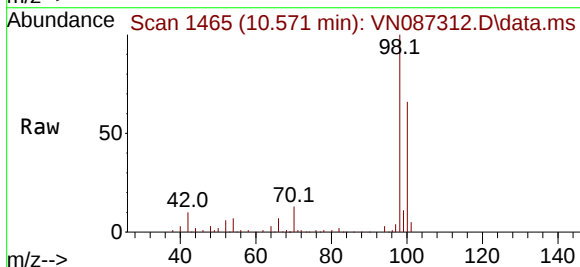
Ion Ratio Lower Upper

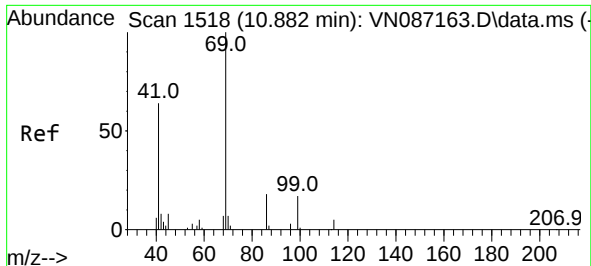
97 100

83 5.9 69.6 104.4#

85 0.0 42.0 63.0#

99 306.8 50.8 76.2#

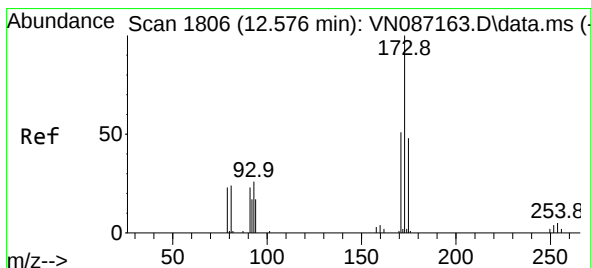
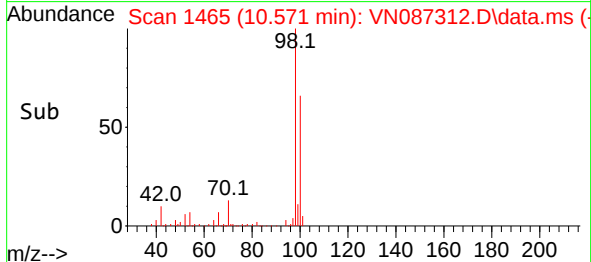
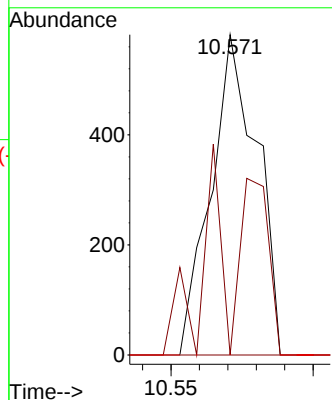
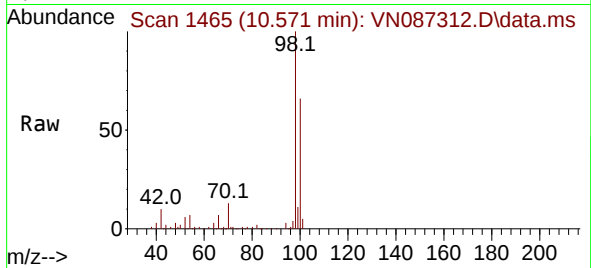




#51
Ethyl methacrylate
Concen: 0.206 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.312 min
Lab File: VN087312.D
Acq: 09 Jul 2025 14:46

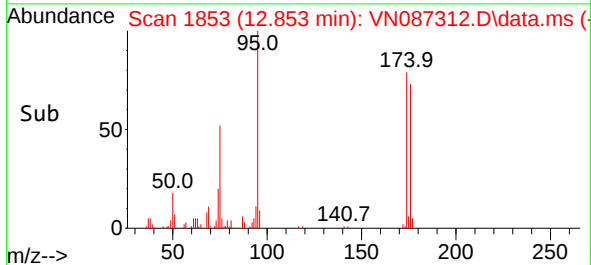
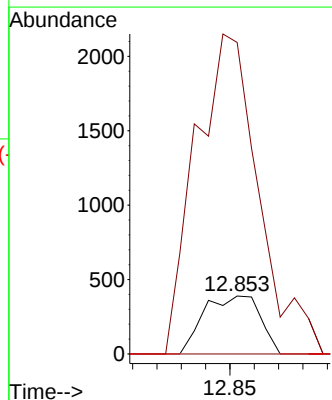
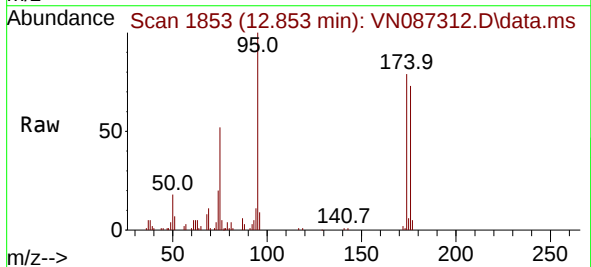
Instrument :
MSVOA_N
ClientSampleId :
IBLK

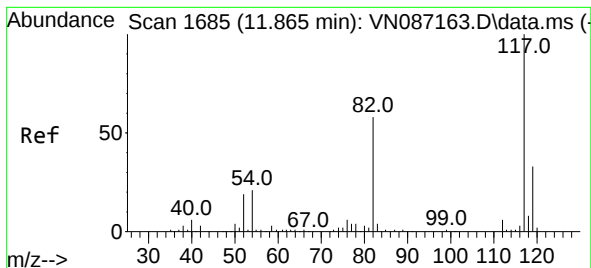
Tgt Ion: 69 Resp: 655
Ion Ratio Lower Upper
69 100
41 0.0 31.8 95.3#
39 0.0 15.3 45.8#



#56
Bromoform
Concen: 0.417 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.277 min
Lab File: VN087312.D
Acq: 09 Jul 2025 14:46

Tgt Ion:173 Resp: 629
Ion Ratio Lower Upper
173 100
175 582.2 38.7 58.1#
254 0.0 4.2 6.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087312.D

Acq: 09 Jul 2025 14:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

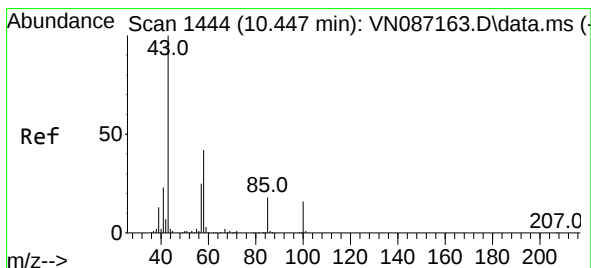
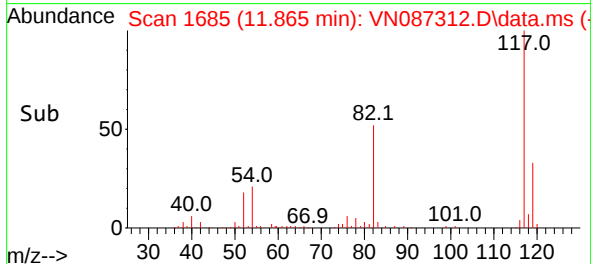
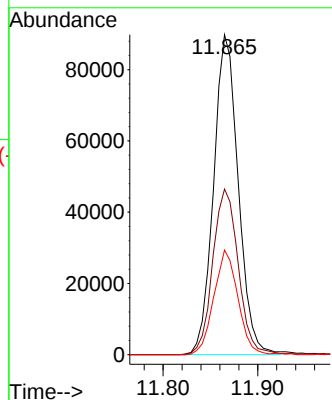
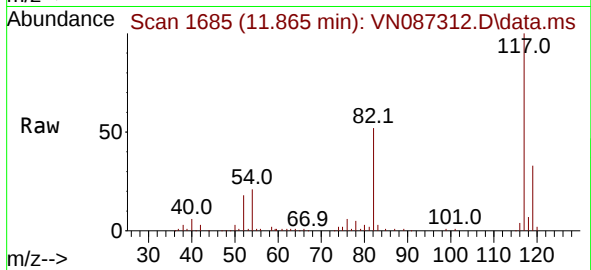
Tgt Ion:117 Resp: 162921

Ion Ratio Lower Upper

117 100

82 53.5 45.4 68.2

119 31.8 26.2 39.4



#58

4-Methyl-2-Pentanone

Concen: 0.235 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.124 min

Lab File: VN087312.D

Acq: 09 Jul 2025 14:46

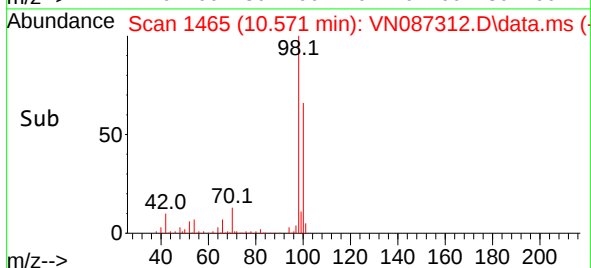
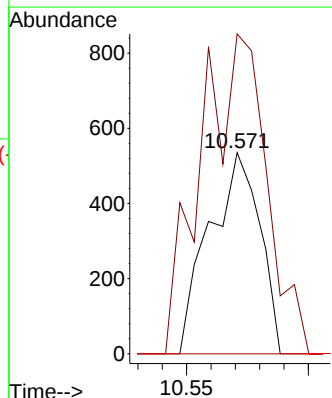
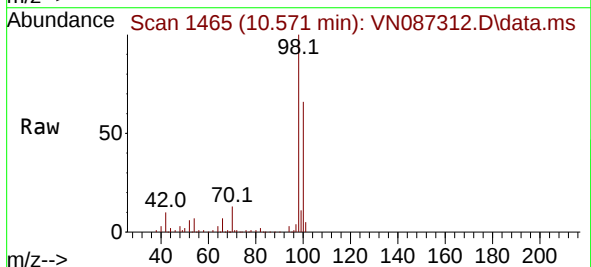
Tgt Ion: 43 Resp: 769

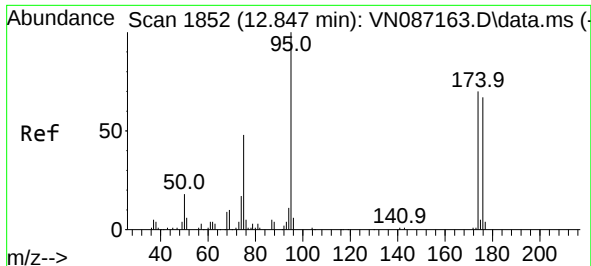
Ion Ratio Lower Upper

43 100

58 114.4 32.6 49.0#

85 0.0 14.6 22.0#

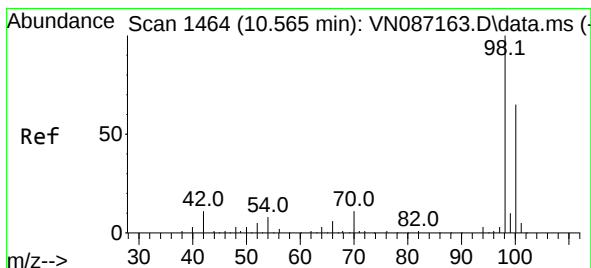
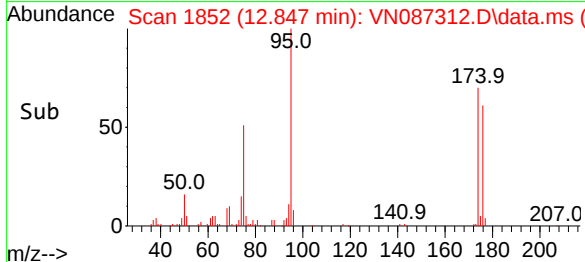
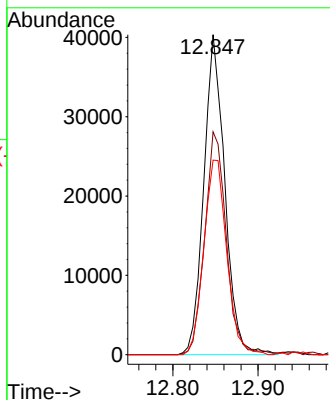
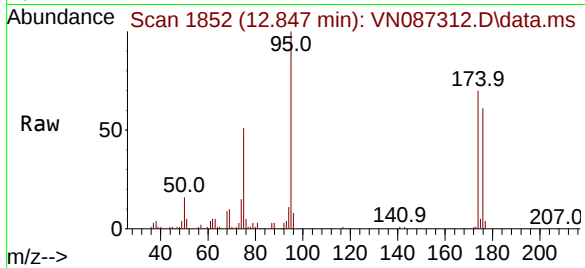




#60
4-Bromofluorobenzene
Concen: 27.462 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087312.D
Acq: 09 Jul 2025 14:46

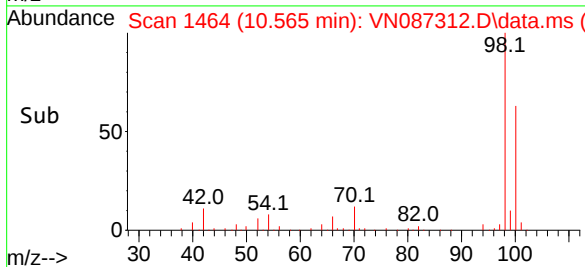
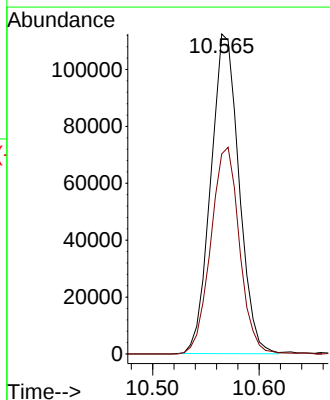
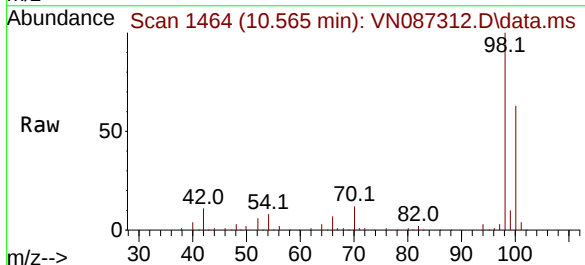
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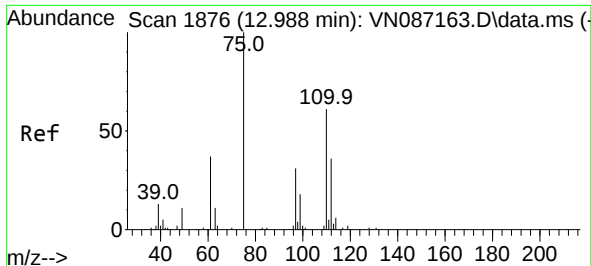
Tgt Ion: 95 Resp: 69041
Ion Ratio Lower Upper
95 100
174 71.5 54.5 81.7
176 66.5 51.9 77.9



#63
Toluene-d8
Concen: 28.274 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087312.D
Acq: 09 Jul 2025 14:46

Tgt Ion: 98 Resp: 206830
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7

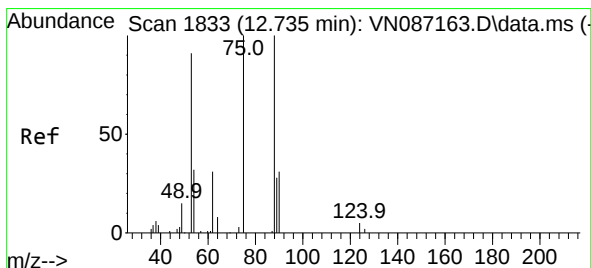
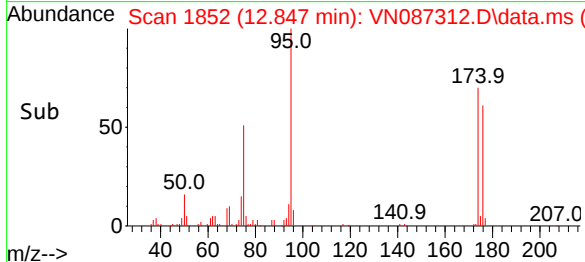
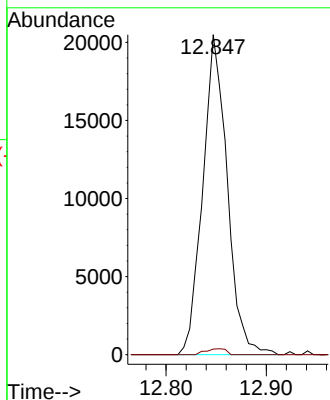
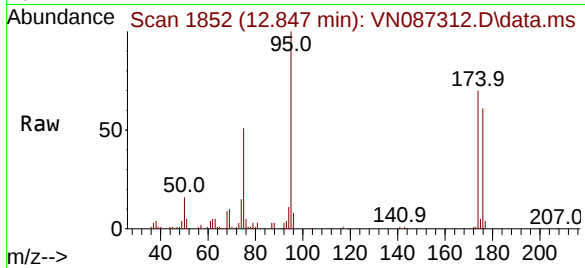




#72
1,2,3-Trichloropropane
Concen: 12.228 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN087312.D
Acq: 09 Jul 2025 14:46

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 34807
Ion Ratio Lower Upper
75 100
77 1.5 0.0 379.2



#77
t-1,4-Dichloro-2-butene
Concen: 27.568 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087312.D
Acq: 09 Jul 2025 14:46

Tgt Ion: 75 Resp: 34807
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.6#
89 0.0 22.3 66.9#

