

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087176.D
 Acq On : 25 Jun 2025 14:37
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 26 03:39:50 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)

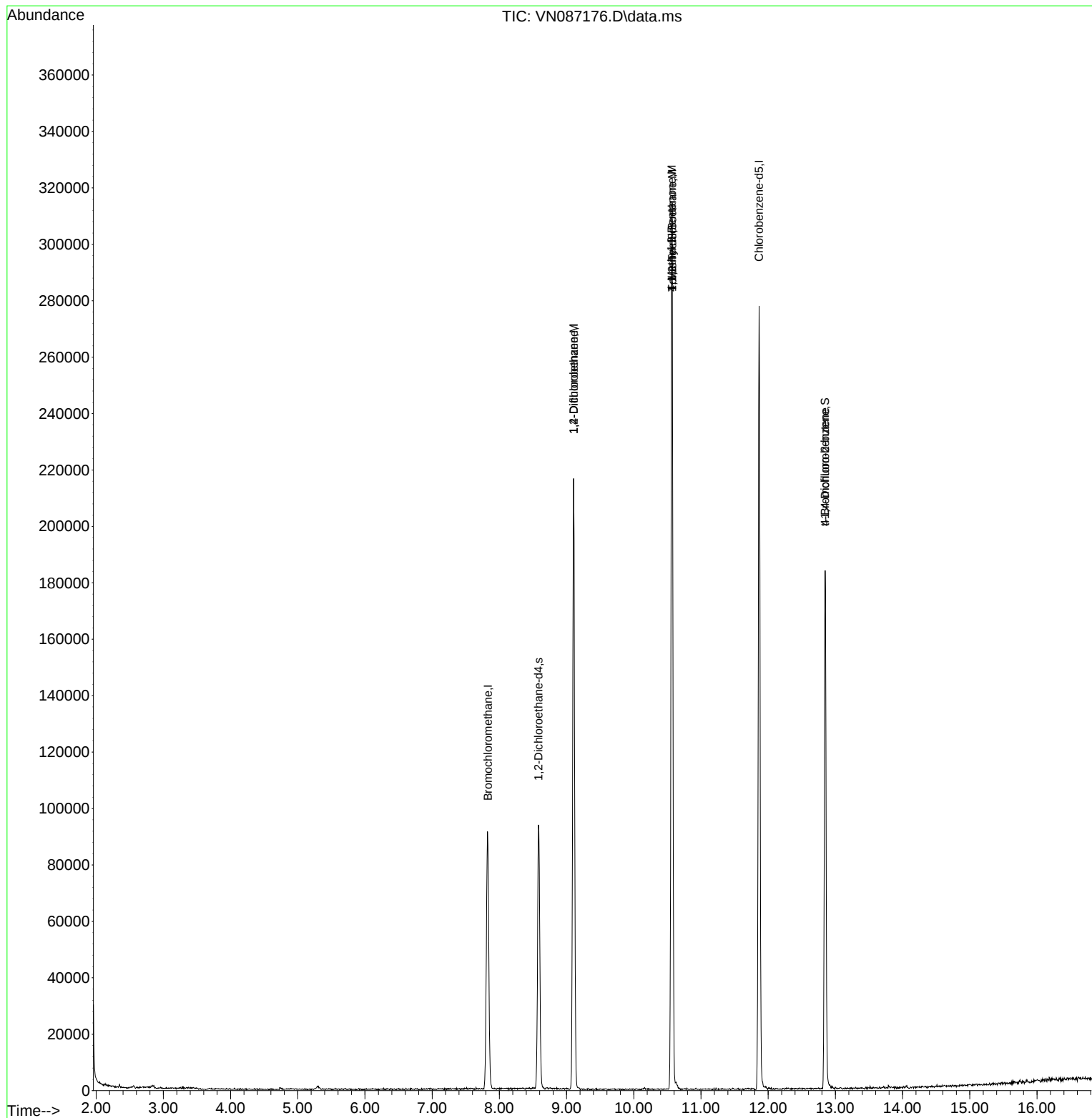
Internal Standards						
1) Bromochloromethane	7.830	128	33431	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	186298	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	168449	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	79094	31.401	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.667%
60) 4-Bromofluorobenzene	12.847	95	73787	28.387	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.633%
63) Toluene-d8	10.571	98	229821	30.386	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.300%
Target Compounds						
					Qvalue	
36) 1,2-Dichloroethane	9.106	62	6220	2.093	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	8033	3.602	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	790	0.233	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	35997	27.575	ug/l #	13

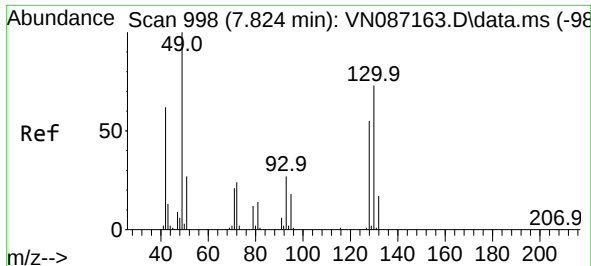
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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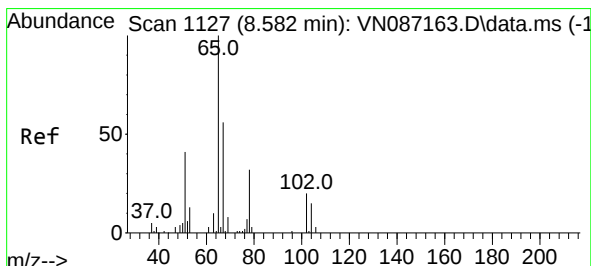
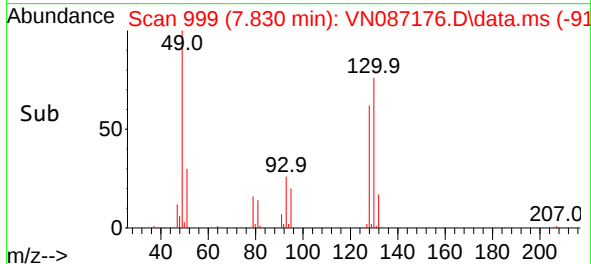
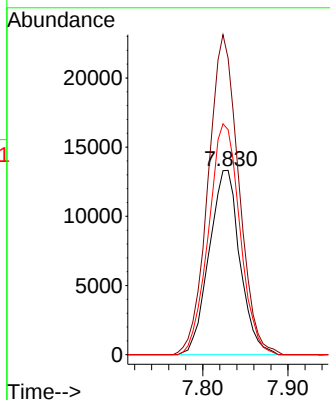
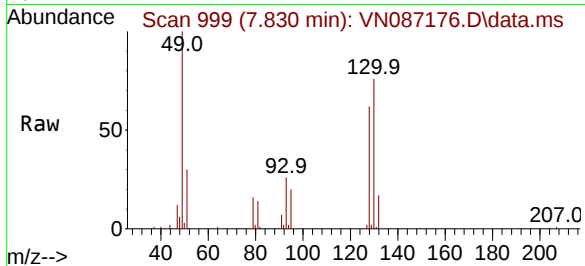




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.830 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN087176.D
Acq: 25 Jun 2025 14:37

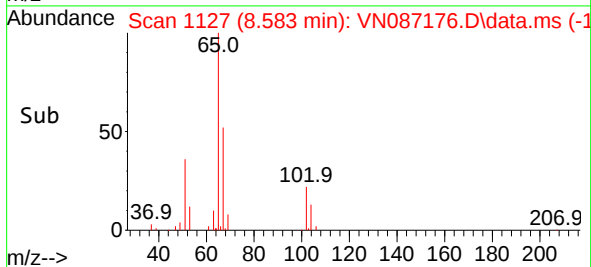
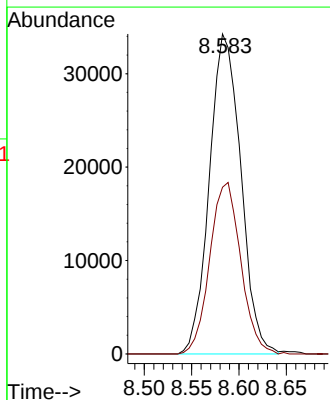
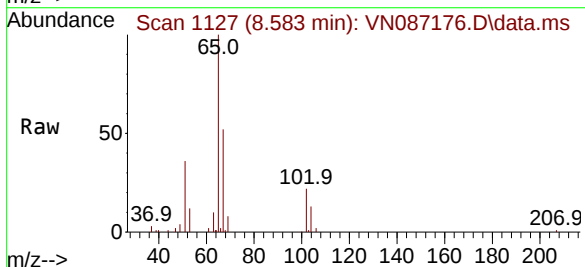
Instrument :
MSVOA_N
ClientSampleId :
IBLK

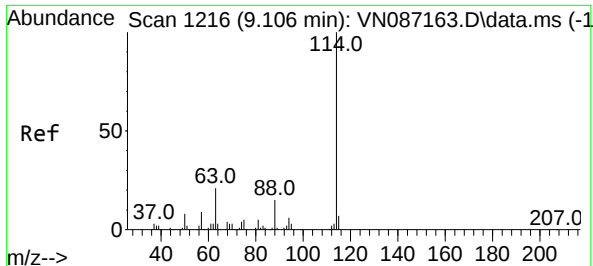
Tgt Ion:128 Resp: 33431
Ion Ratio Lower Upper
128 100
49 172.7 0.0 450.5
130 127.4 0.0 320.7



#27
1,2-Dichloroethane-d4
Concen: 31.401 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087176.D
Acq: 25 Jun 2025 14:37

Tgt Ion: 65 Resp: 79094
Ion Ratio Lower Upper
65 100
67 52.8 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: VN087176.D

Acq: 25 Jun 2025 14:37

Instrument :

MSVOA_N

ClientSampleId :

IBLK

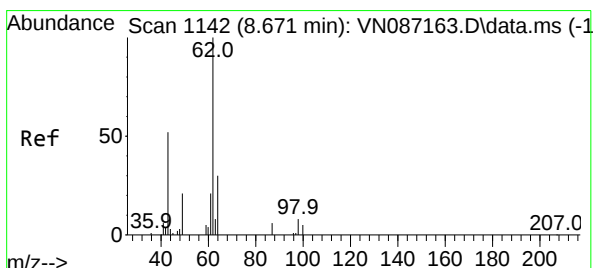
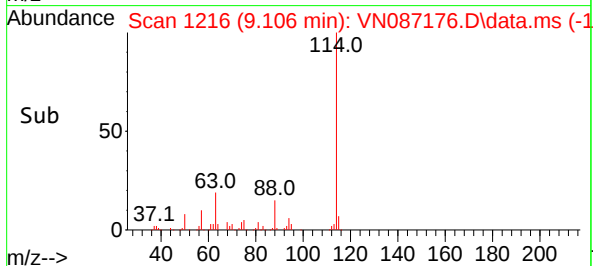
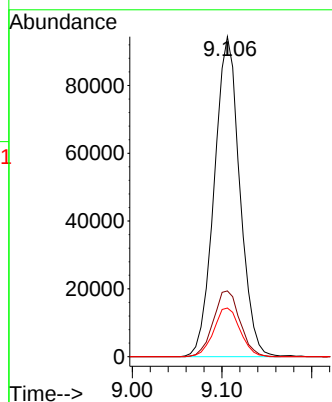
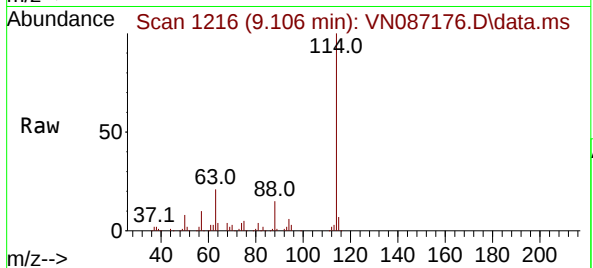
Tgt Ion:114 Resp: 186298

Ion Ratio Lower Upper

114 100

63 21.4 17.0 25.4

88 15.7 12.6 19.0



#36

1,2-Dichloroethane

Concen: 2.093 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN087176.D

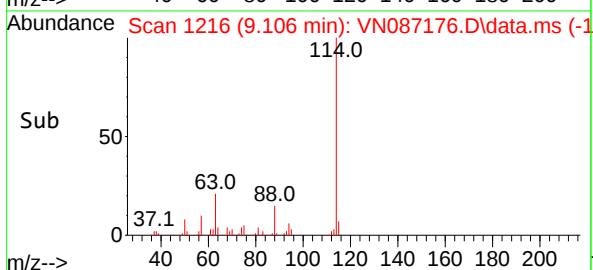
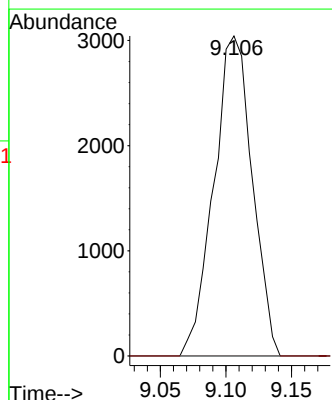
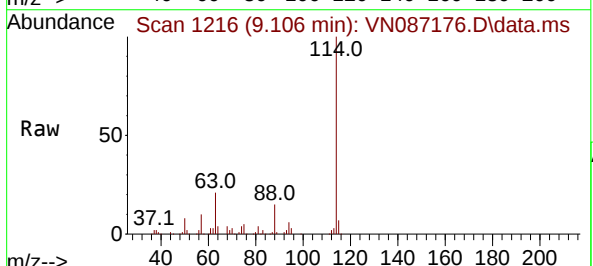
Acq: 25 Jun 2025 14:37

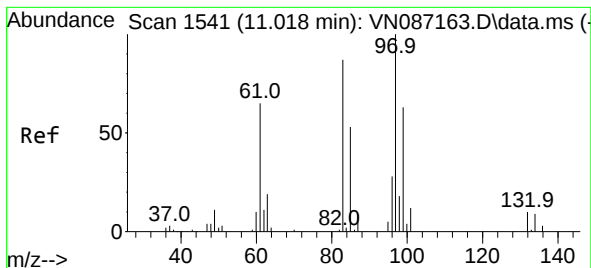
Tgt Ion: 62 Resp: 6220

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

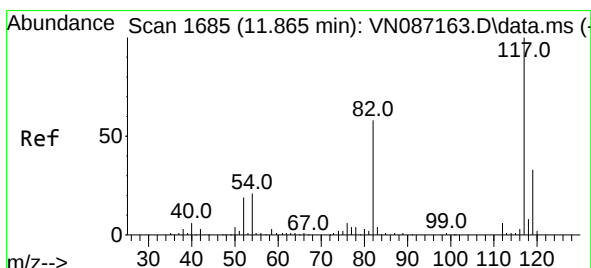
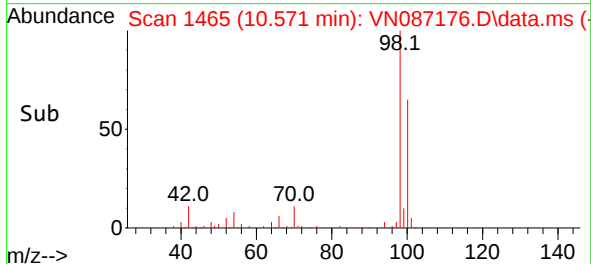
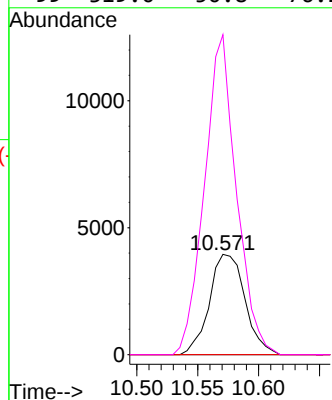
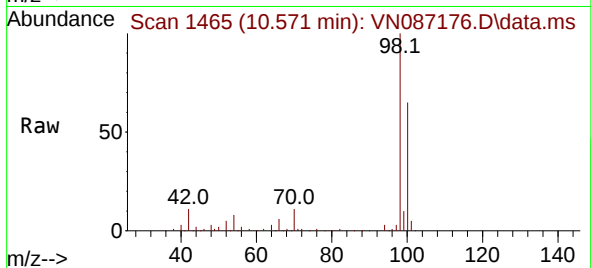




#50
1,1,2-Trichloroethane
Concen: 3.602 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.447 min
Lab File: VN087176.D
Acq: 25 Jun 2025 14:37

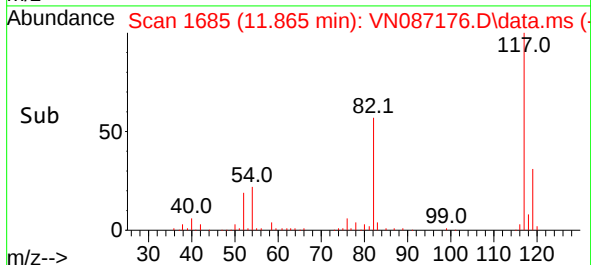
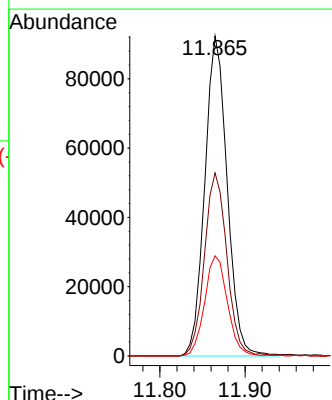
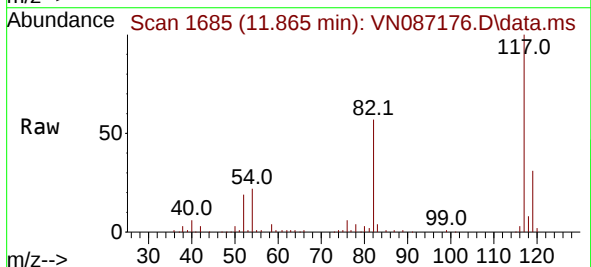
Instrument :
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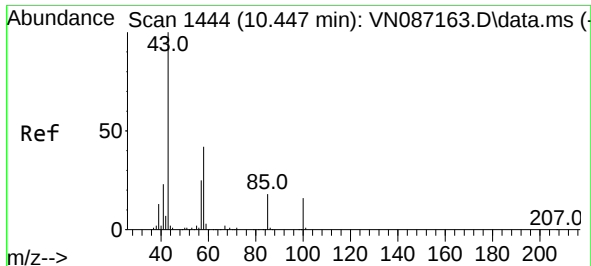
Tgt Ion: 97	Resp: 8033
Ion Ratio	Lower Upper
97 100	
83 0.0	69.6 104.4#
85 0.0	42.0 63.0#
99 319.0	50.8 76.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087176.D
Acq: 25 Jun 2025 14:37

Tgt Ion: 117	Resp: 168449
Ion Ratio	Lower Upper
117 100	
82 57.5	45.4 68.2
119 31.8	26.2 39.4

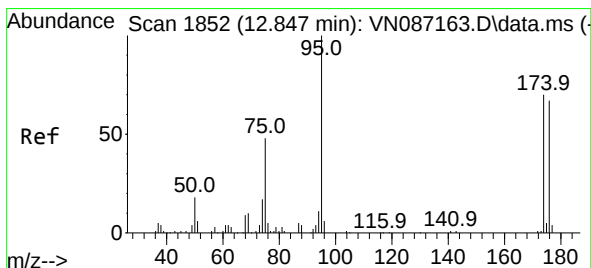
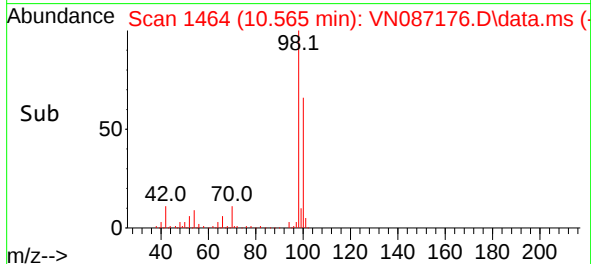
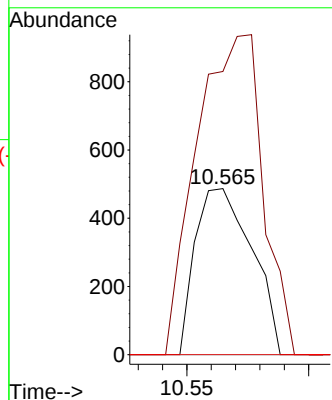
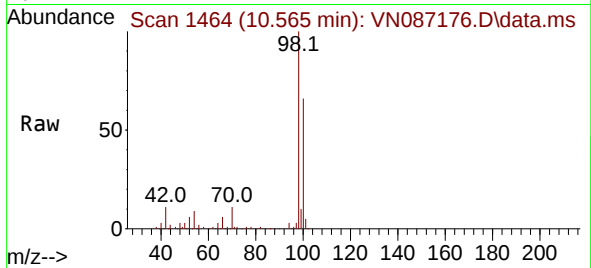




#58
4-Methyl-2-Pentanone
Concen: 0.233 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN087176.D
Acq: 25 Jun 2025 14:37

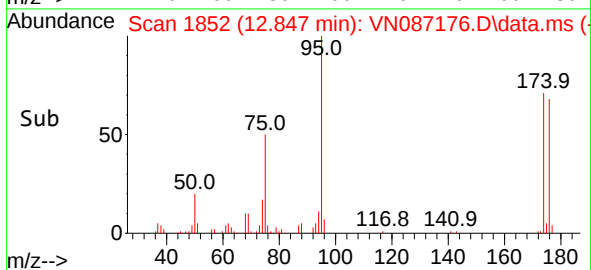
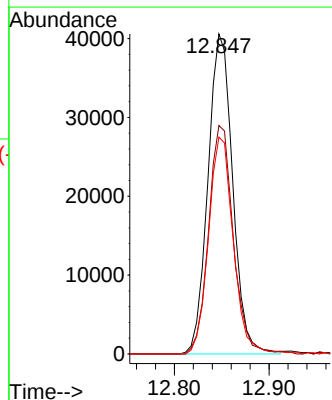
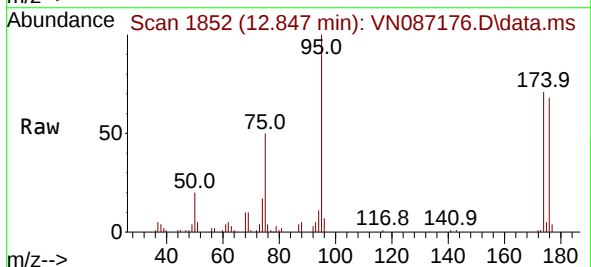
Instrument :
MSVOA_N
ClientSampleId :
IBLK

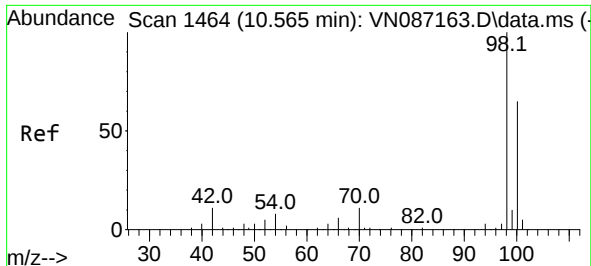
Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
58 224.6 32.6 49.0#
85 0.0 14.6 22.0#



#60
4-Bromofluorobenzene
Concen: 28.387 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087176.D
Acq: 25 Jun 2025 14:37

Tgt Ion: 95 Resp: 73787
Ion Ratio Lower Upper
95 100
174 71.1 54.5 81.7
176 67.3 51.9 77.9

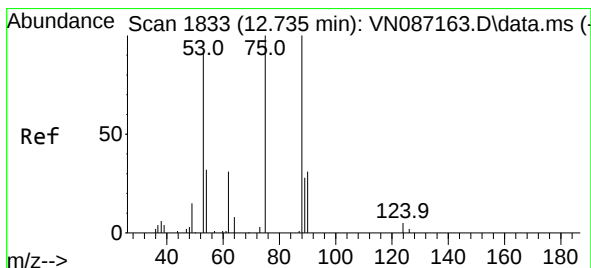
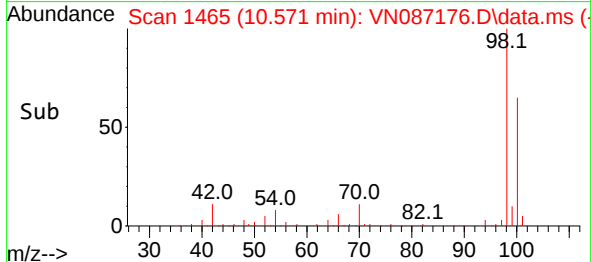
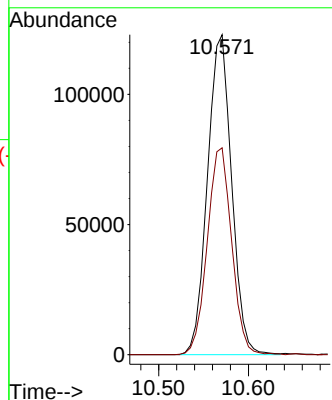
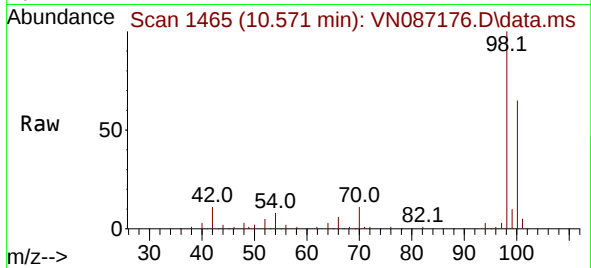




#63
Toluene-d8
Concen: 30.386 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN087176.D
Acq: 25 Jun 2025 14:37

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 229821
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#77
t-1,4-Dichloro-2-butene
Concen: 27.575 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087176.D
Acq: 25 Jun 2025 14:37

Tgt Ion: 75 Resp: 35997
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.6#
89 0.0 22.3 66.9#

