

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072425\
 Data File : VN087412.D
 Acq On : 24 Jul 2025 12:46
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 25 04:53:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 24 05:11:26 2025
 Response via : Initial Calibration

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

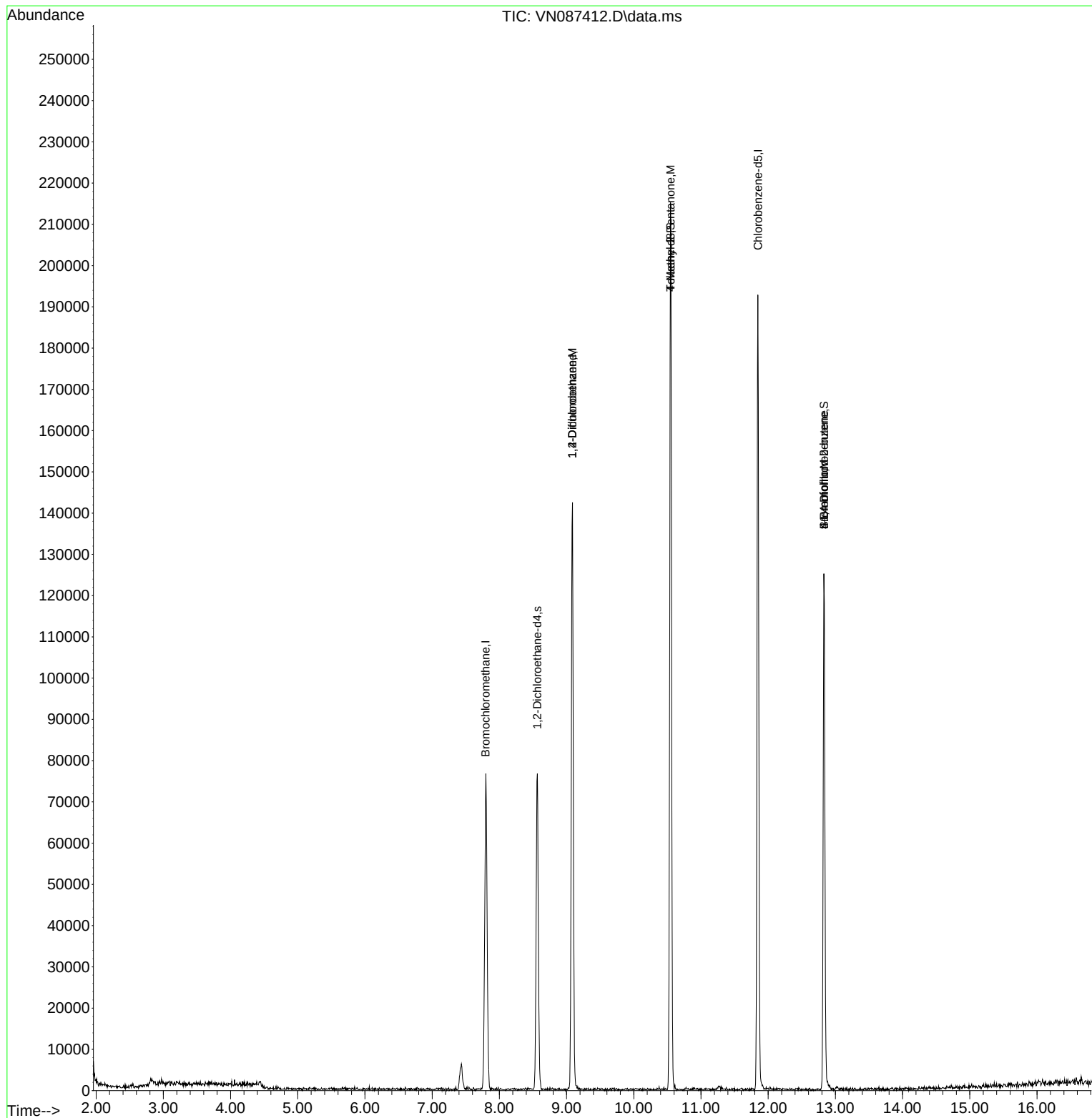
Internal Standards						
1) Bromochloromethane	7.794	128	26088	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.088	114	119739	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	107502	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	65362	30.379	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.267%
60) 4-Bromofluorobenzene	12.829	95	42695	23.805	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.367%
63) Toluene-d8	10.547	98	142025	29.051	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.833%
Target Compounds						
					Qvalue	
36) 1,2-Dichloroethane	9.088	62	4551	1.748	ug/l #	77
56) Bromoform	12.829	173	451	0.327	ug/l #	1
58) 4-Methyl-2-Pentanone	10.547	43	801	0.305	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	23888	28.066	ug/l #	15

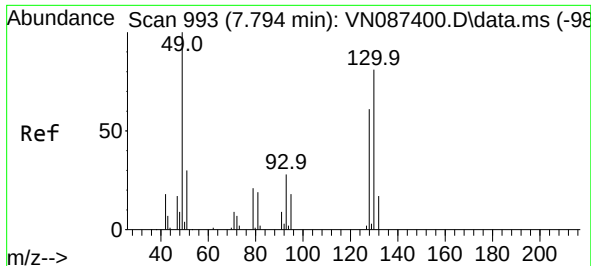
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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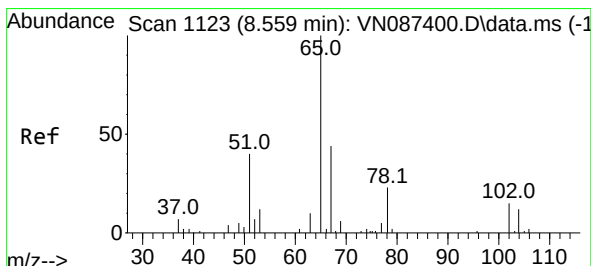
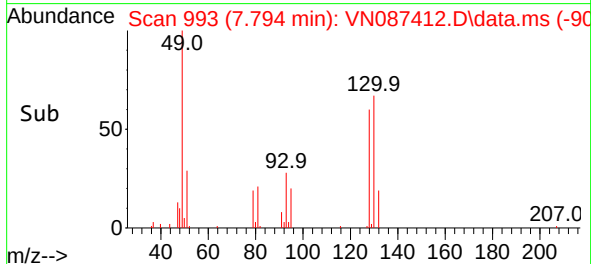
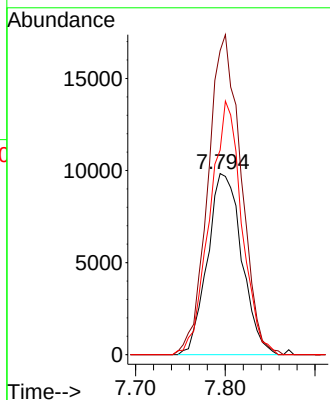
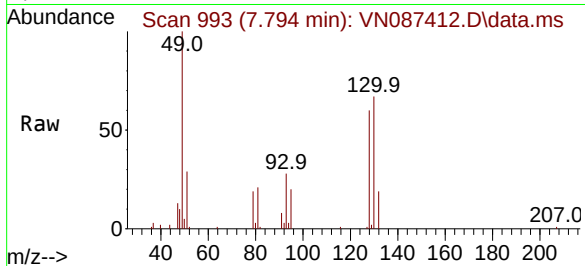




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN087412.D
Acq: 24 Jul 2025 12:46

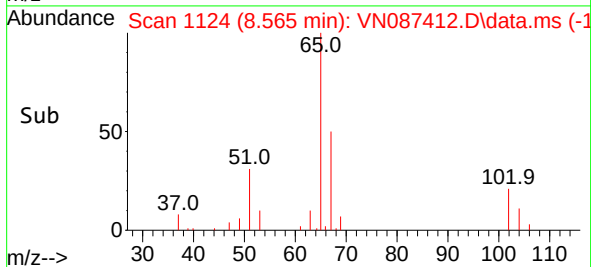
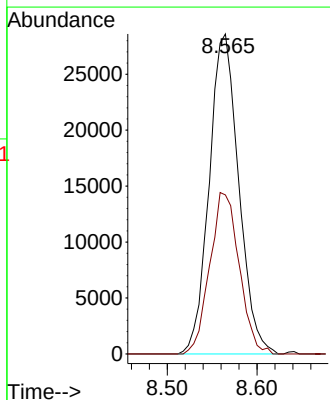
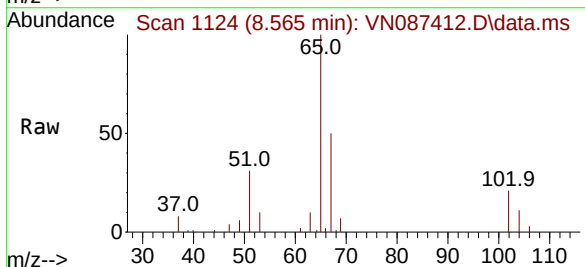
Instrument :
MSVOA_N
ClientSampleId :

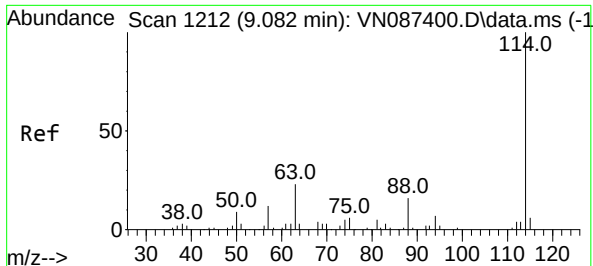
Tgt Ion:128 Resp: 26088
Ion Ratio Lower Upper
128 100
49 170.4 0.0 446.2
130 131.0 0.0 331.0



#27
1,2-Dichloroethane-d4
Concen: 30.379 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087412.D
Acq: 24 Jul 2025 12:46

Tgt Ion: 65 Resp: 65362
Ion Ratio Lower Upper
65 100
67 49.9 40.2 60.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.088 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN087412.D

Acq: 24 Jul 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

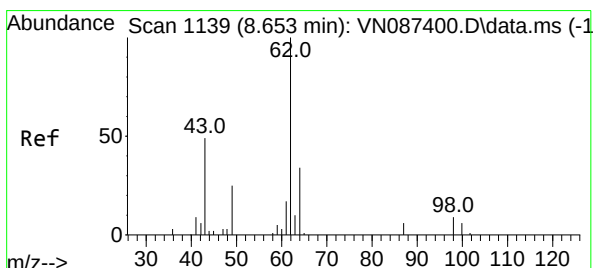
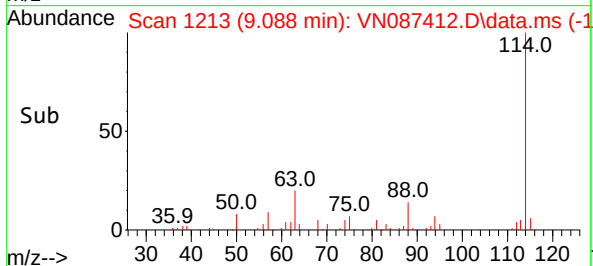
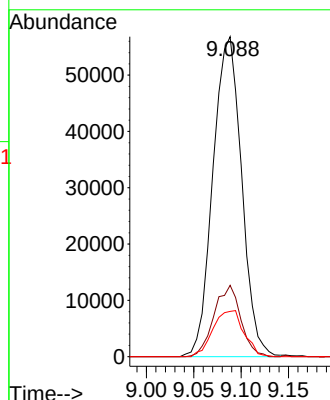
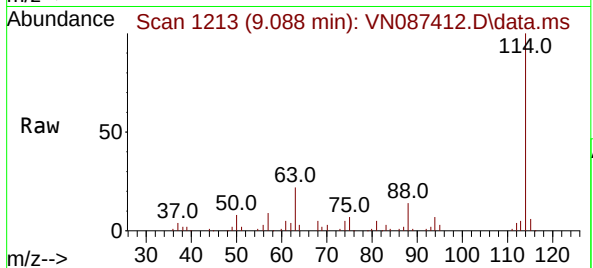
Tgt Ion:114 Resp: 119739

Ion Ratio Lower Upper

114 100

63 20.8 16.8 25.2

88 15.5 12.5 18.7



#36

1,2-Dichloroethane

Concen: 1.748 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.435 min

Lab File: VN087412.D

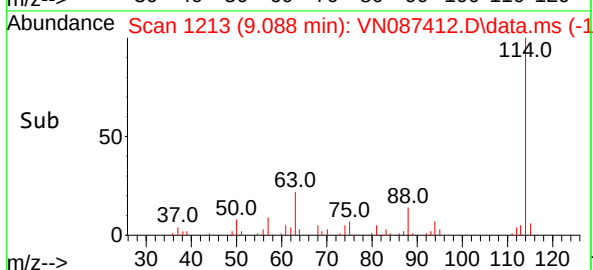
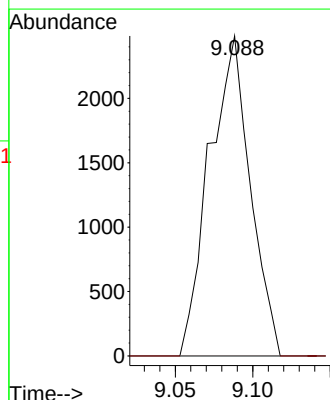
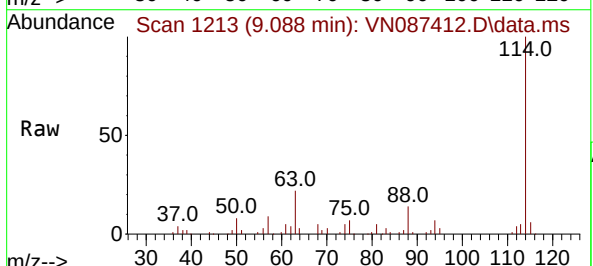
Acq: 24 Jul 2025 12:46

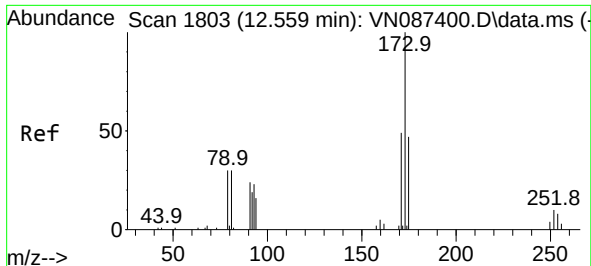
Tgt Ion: 62 Resp: 4551

Ion Ratio Lower Upper

62 100

98 0.0 6.6 9.8#

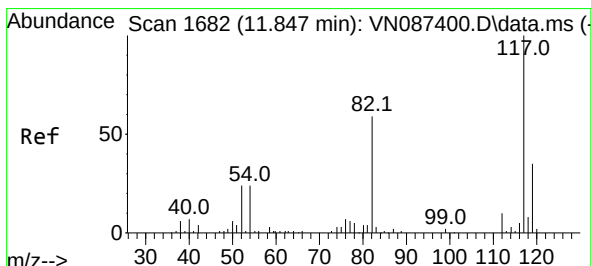
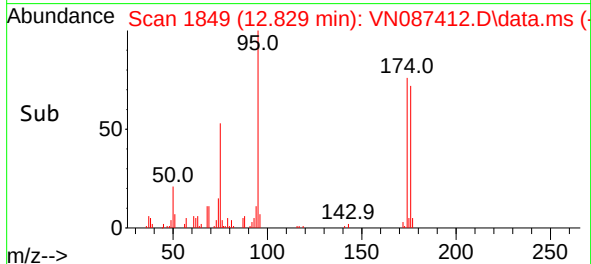
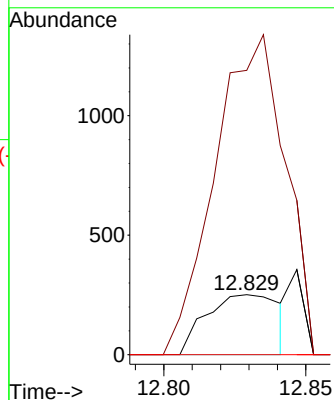
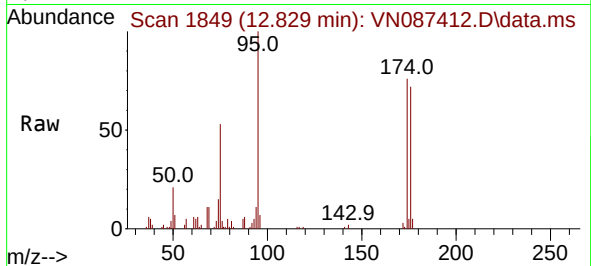




#56
Bromoform
Concen: 0.327 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN087412.D
Acq: 24 Jul 2025 12:46

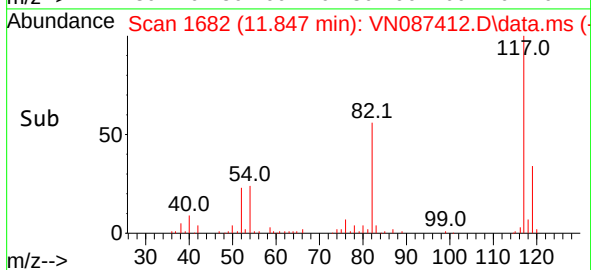
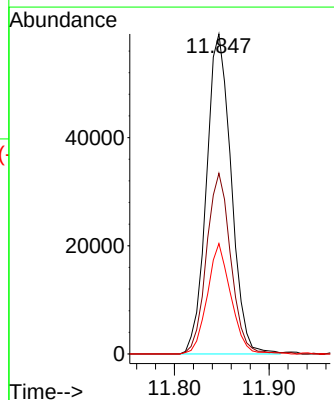
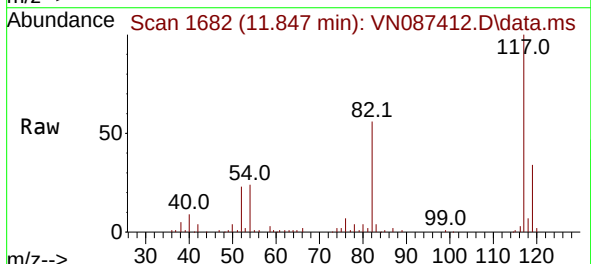
Instrument :
MSVOA_N
ClientSampleId :

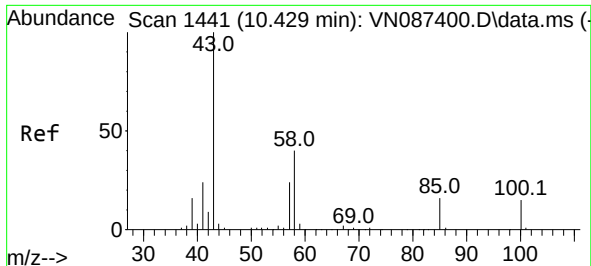
Tgt Ion:173 Resp: 451
Ion Ratio Lower Upper
173 100
175 509.3 38.4 57.6#
254 0.0 6.7 10.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087412.D
Acq: 24 Jul 2025 12:46

Tgt Ion:117 Resp: 107502
Ion Ratio Lower Upper
117 100
82 55.2 44.1 66.1
119 32.7 25.4 38.2

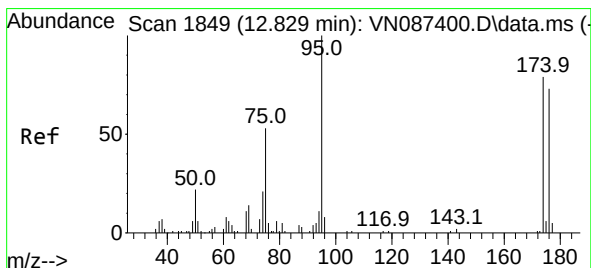
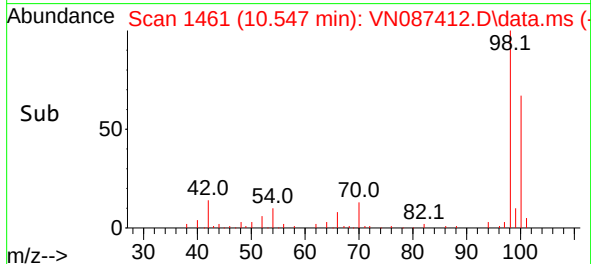
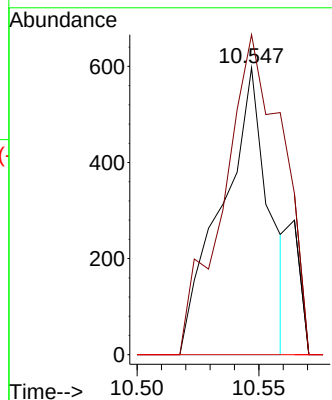
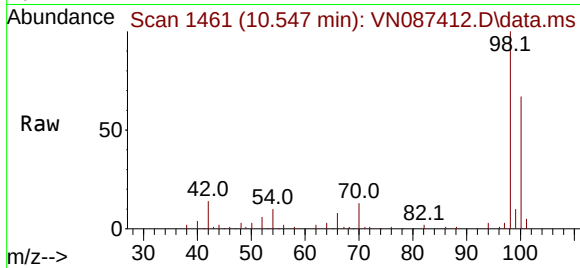




#58
4-Methyl-2-Pentanone
Concen: 0.305 ug/l
RT: 10.547 min Scan# 1441
Delta R.T. 0.118 min
Lab File: VN087412.D
Acq: 24 Jul 2025 12:46

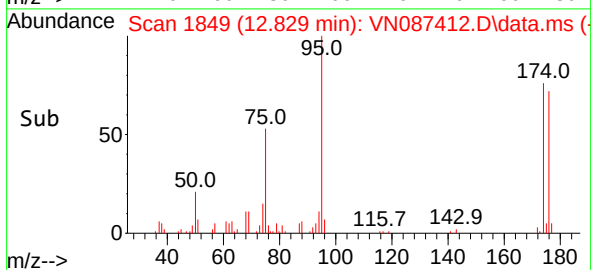
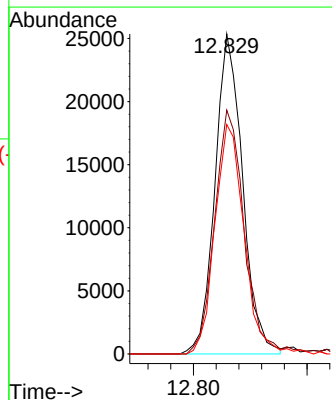
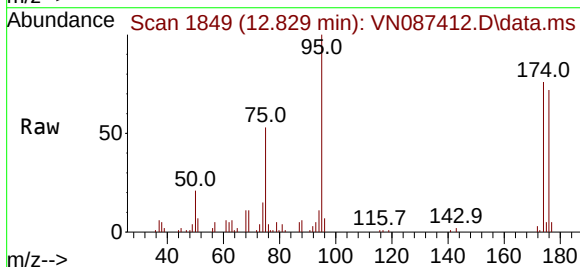
Instrument :
MSVOA_N
ClientSampleId :

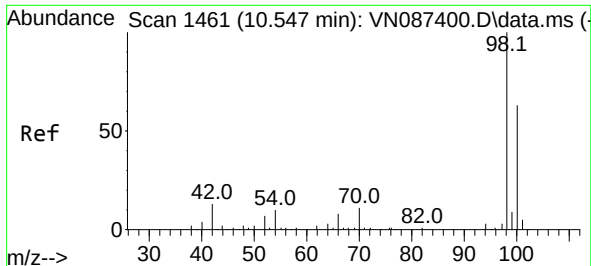
Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
58 140.7 29.5 44.3#
85 0.0 13.3 19.9#



#60
4-Bromofluorobenzene
Concen: 23.805 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087412.D
Acq: 24 Jul 2025 12:46

Tgt Ion: 95 Resp: 42695
Ion Ratio Lower Upper
95 100
174 80.8 62.1 93.1
176 75.9 57.9 86.9

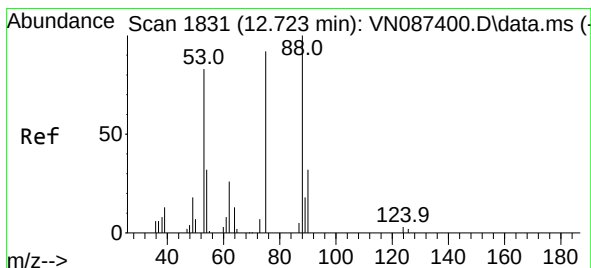
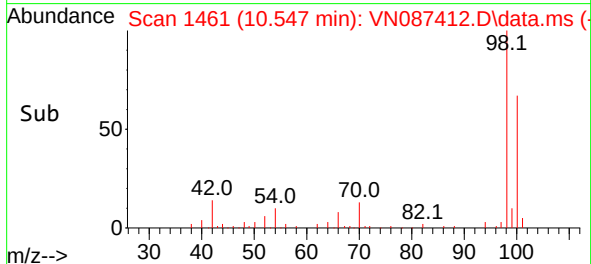
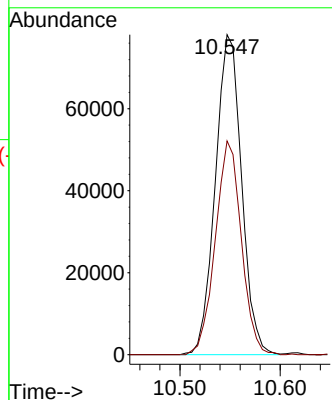
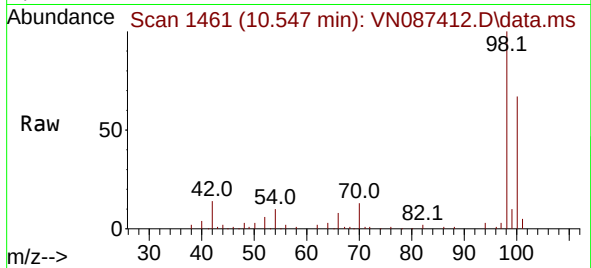




#63
Toluene-d8
Concen: 29.051 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087412.D
Acq: 24 Jul 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 142025
Ion Ratio Lower Upper
98 100
100 66.1 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 28.066 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.106 min
Lab File: VN087412.D
Acq: 24 Jul 2025 12:46

Tgt Ion: 75 Resp: 23888
Ion Ratio Lower Upper
75 100
53 0.0 44.0 131.8#
89 0.0 17.0 50.9#

