

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092225\
 Data File : VN087915.D
 Acq On : 22 Sep 2025 12:26
 Operator : JC\MD
 Sample : VN0922WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBL01

Quant Time: Sep 23 04:51:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

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

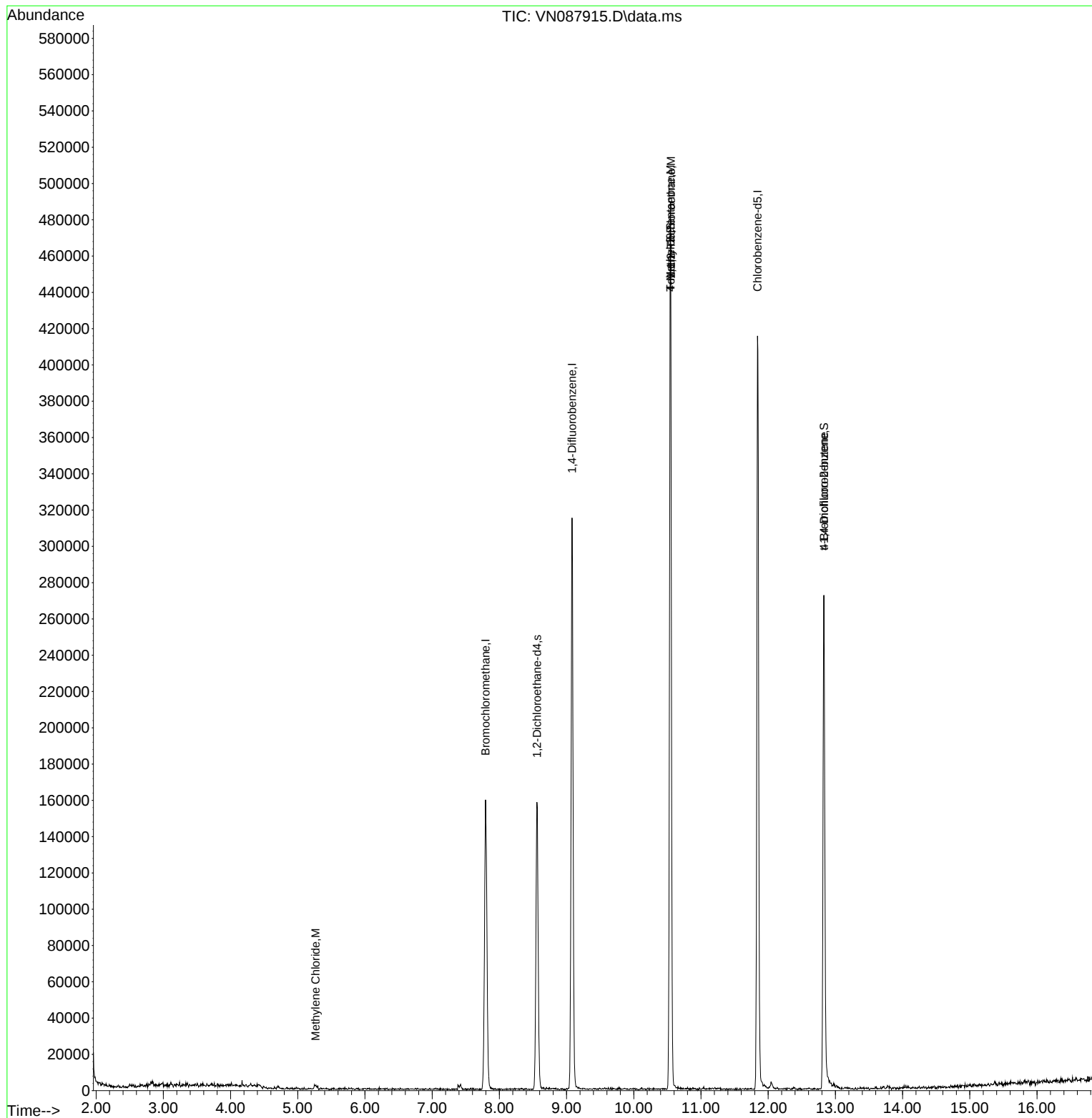
Internal Standards						
1) Bromochloromethane	7.794	128	53463	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	267356	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	245968	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	131878	28.876	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.267%
60) 4-Bromofluorobenzene	12.829	95	100591	25.434	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.767%
63) Toluene-d8	10.547	98	329123	28.772	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.900%
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.265	84	1372	0.375	ug/l #	48
50) 1,1,2-Trichloroethane	10.553	97	13202	3.819	ug/l #	1
58) 4-Methyl-2-Pentanone	10.547	43	1734	0.298	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	53841	30.851	ug/l #	14

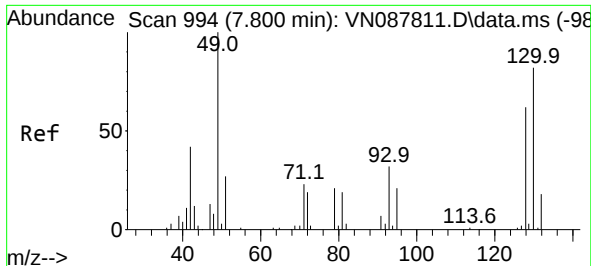
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092225\
Data File : VN087915.D
Acq On : 22 Sep 2025 12:26
Operator : JC\MD
Sample : VN0922WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBL01

Quant Time: Sep 23 04:51:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

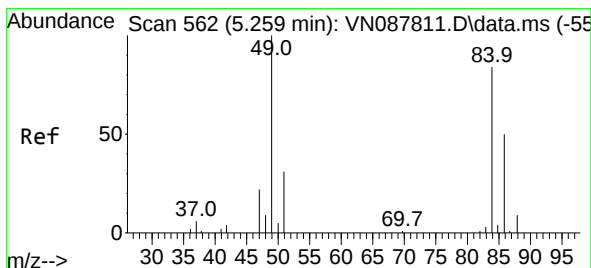
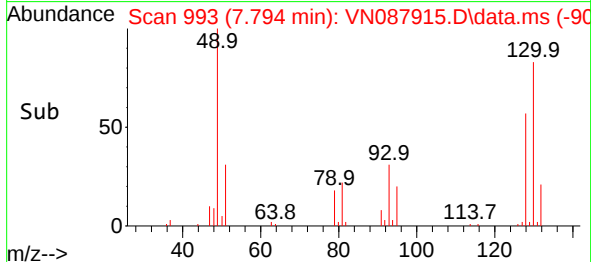
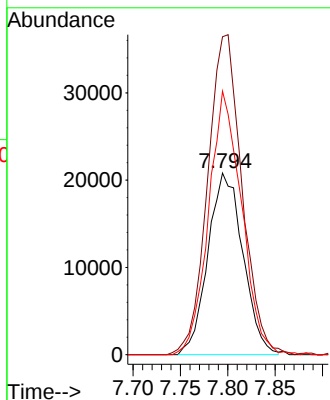
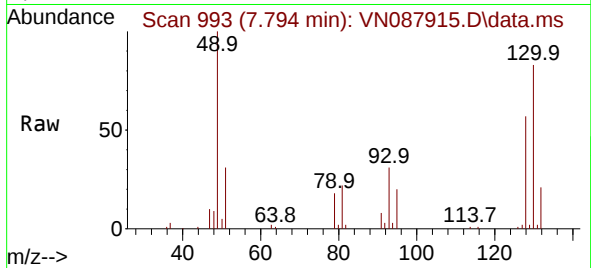




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087915.D
Acq: 22 Sep 2025 12:26

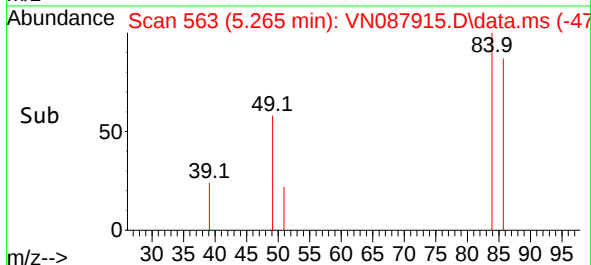
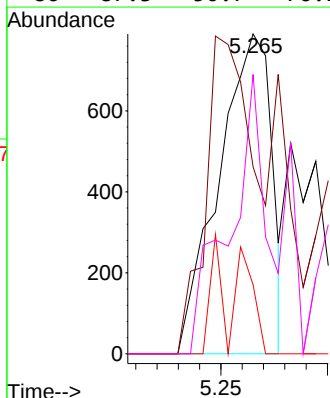
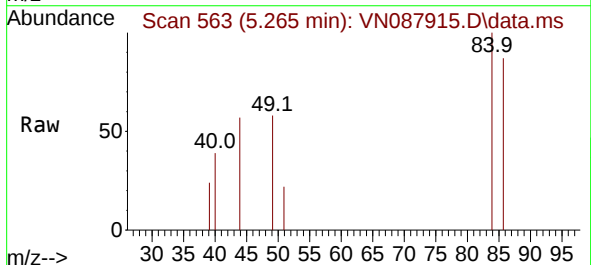
Instrument :
MSVOA_N
ClientSampleId :
VN0922WBL01

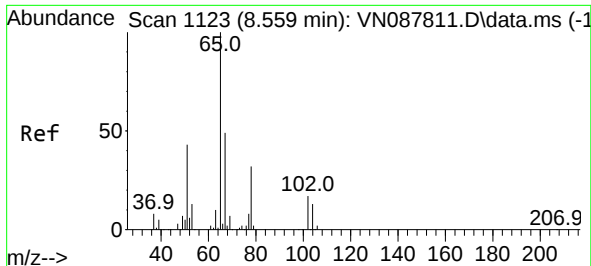
Tgt Ion:128 Resp: 53463
Ion Ratio Lower Upper
128 100
49 173.1 0.0 464.3
130 136.5 0.0 300.5



#18
Methylene Chloride
Concen: 0.375 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN087915.D
Acq: 22 Sep 2025 12:26

Tgt Ion: 84 Resp: 1372
Ion Ratio Lower Upper
84 100
49 58.5 114.1 171.1#
51 21.6 30.2 45.4#
86 87.3 50.7 76.1#

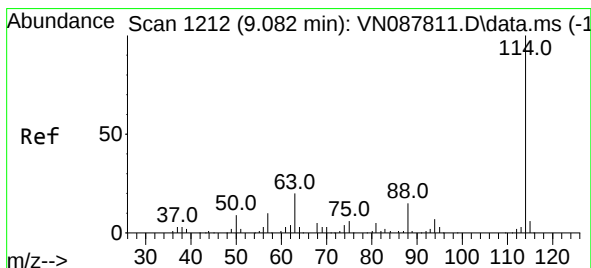
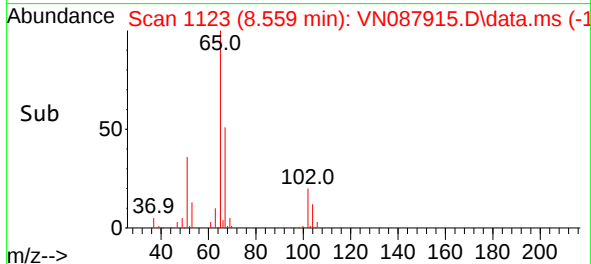
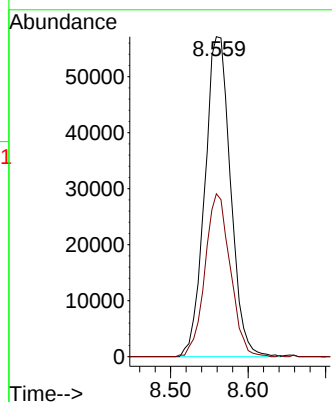
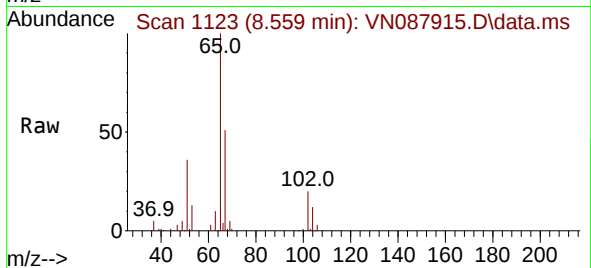




#27
1,2-Dichloroethane-d4
Concen: 28.876 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087915.D
Acq: 22 Sep 2025 12:26

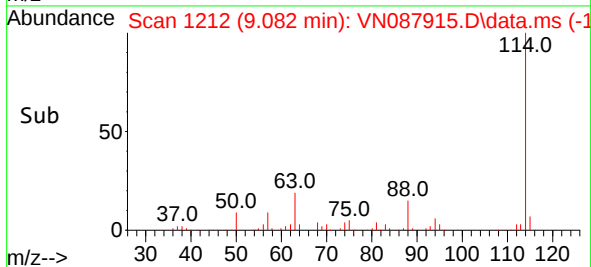
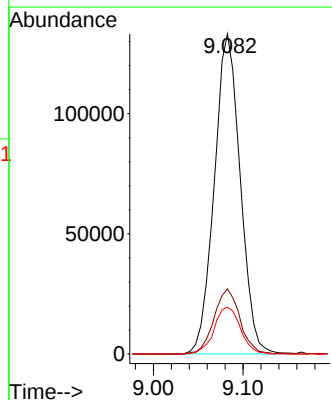
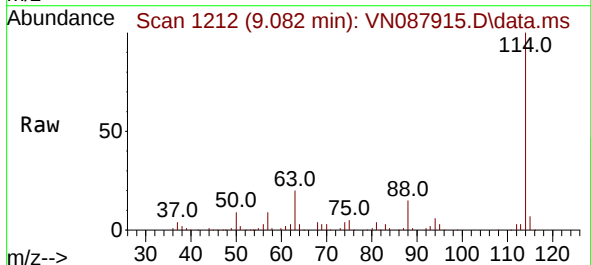
Instrument :
MSVOA_N
ClientSampleId :
VN0922WBL01

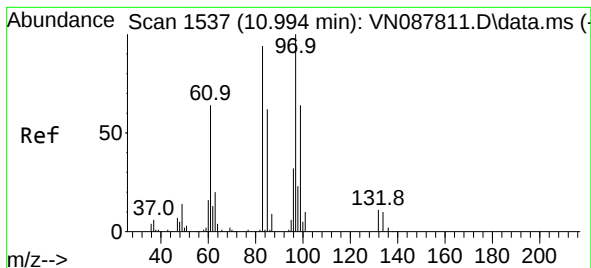
Tgt Ion: 65 Resp: 131878
Ion Ratio Lower Upper
65 100
67 49.9 39.6 59.4



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087915.D
Acq: 22 Sep 2025 12:26

Tgt Ion: 114 Resp: 267356
Ion Ratio Lower Upper
114 100
63 20.3 18.3 27.5
88 14.8 12.4 18.6





#50

1,1,2-Trichloroethane

Concen: 3.819 ug/l

RT: 10.553 min Scan# 1462

Delta R.T. -0.441 min

Lab File: VN087915.D

Acq: 22 Sep 2025 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBL01

Tgt Ion: 97 Resp: 13202

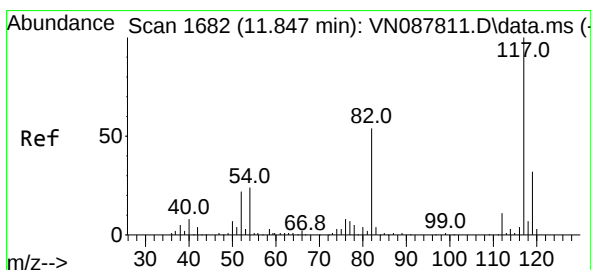
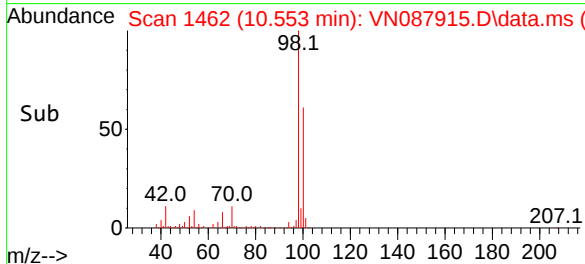
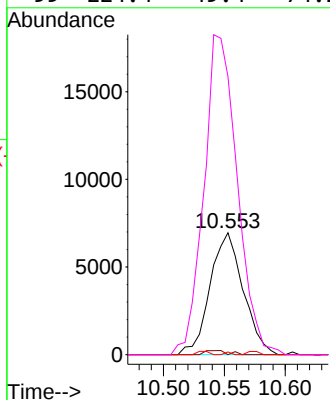
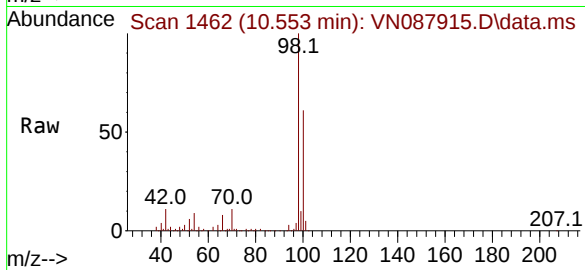
Ion Ratio Lower Upper

97 100

83 0.0 70.5 105.7#

85 2.2 46.3 69.5#

99 224.4 49.4 74.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.841 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VN087915.D

Acq: 22 Sep 2025 12:26

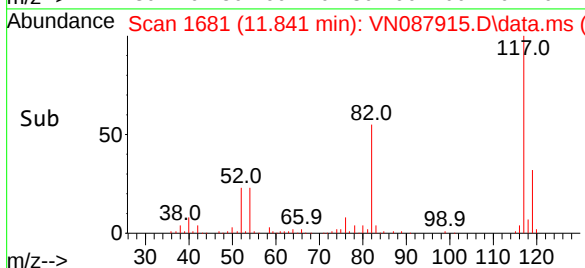
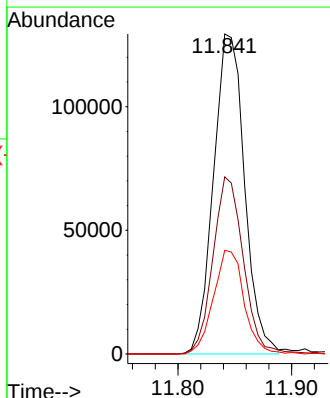
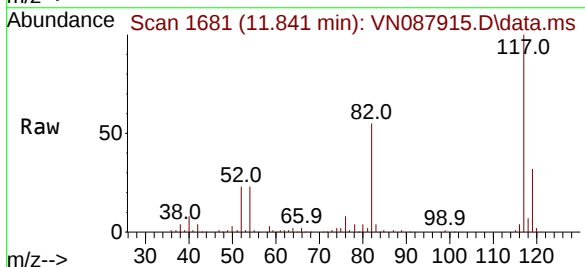
Tgt Ion: 117 Resp: 245968

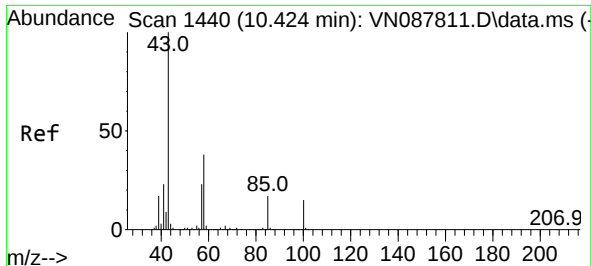
Ion Ratio Lower Upper

117 100

82 54.2 45.9 68.9

119 31.8 25.3 37.9

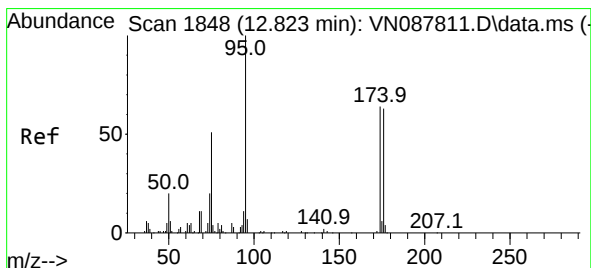
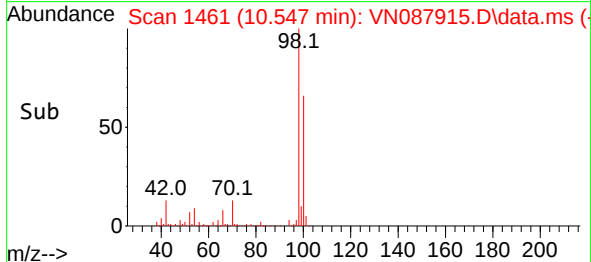
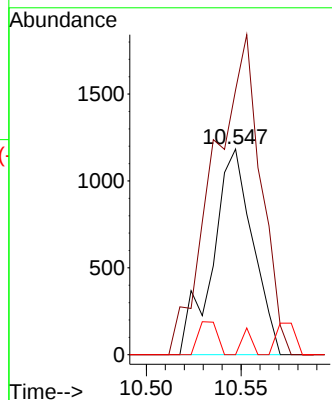
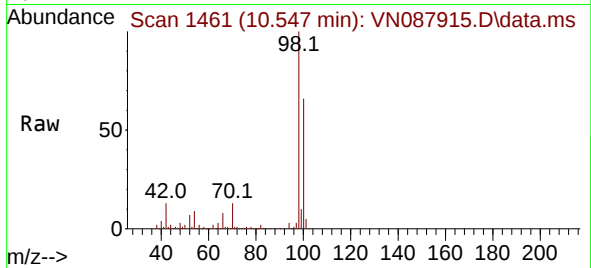




#58
4-Methyl-2-Pentanone
Concen: 0.298 ug/l
RT: 10.547 min Scan# 1440
Delta R.T. 0.123 min
Lab File: VN087915.D
Acq: 22 Sep 2025 12:26

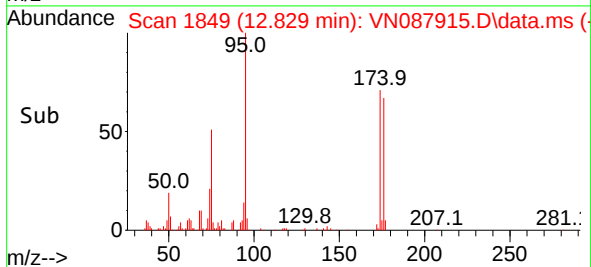
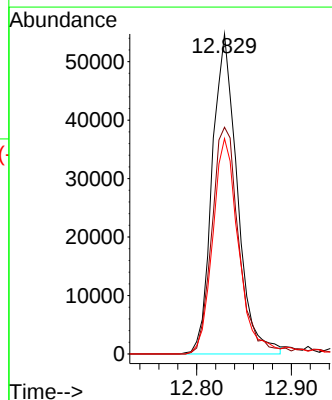
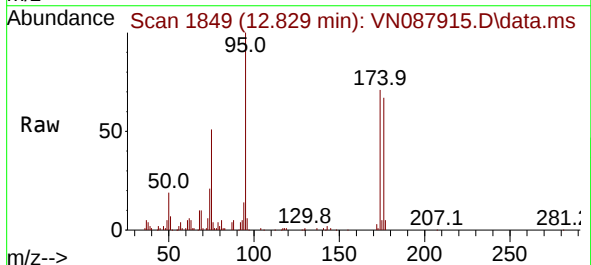
Instrument :
MSVOA_N
ClientSampleId :
VN0922WBL01

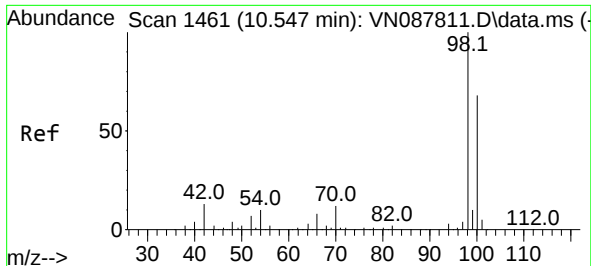
Tgt Ion: 43 Resp: 1734
Ion Ratio Lower Upper
43 100
58 184.8 29.6 44.4#
85 7.7 13.0 19.4#



#60
4-Bromofluorobenzene
Concen: 25.434 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087915.D
Acq: 22 Sep 2025 12:26

Tgt Ion: 95 Resp: 100591
Ion Ratio Lower Upper
95 100
174 75.8 55.4 83.0
176 69.3 51.5 77.3

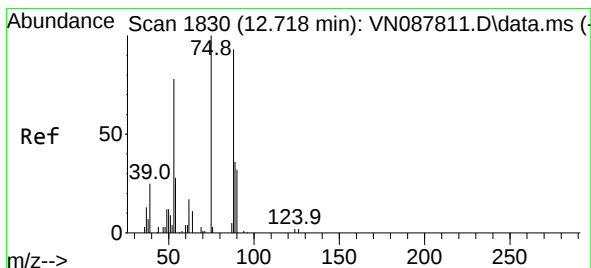
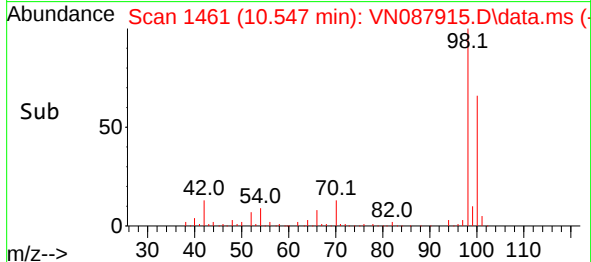
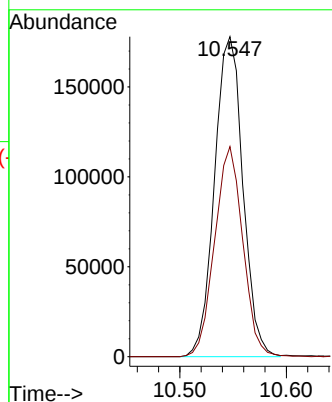
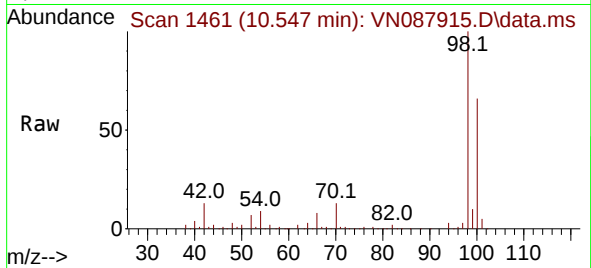




#63
Toluene-d8
Concen: 28.772 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087915.D
Acq: 22 Sep 2025 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBL01

Tgt Ion: 98 Resp: 329123
Ion Ratio Lower Upper
98 100
100 65.1 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 30.851 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087915.D
Acq: 22 Sep 2025 12:26

Tgt Ion: 75 Resp: 53841
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.0 18.8 56.3#

