

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087360.D
 Acq On : 18 Jul 2025 12:55
 Operator : JC\MD
 Sample : Q2594-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CC-071325-RW

Quant Time: Jul 18 23:18:39 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)

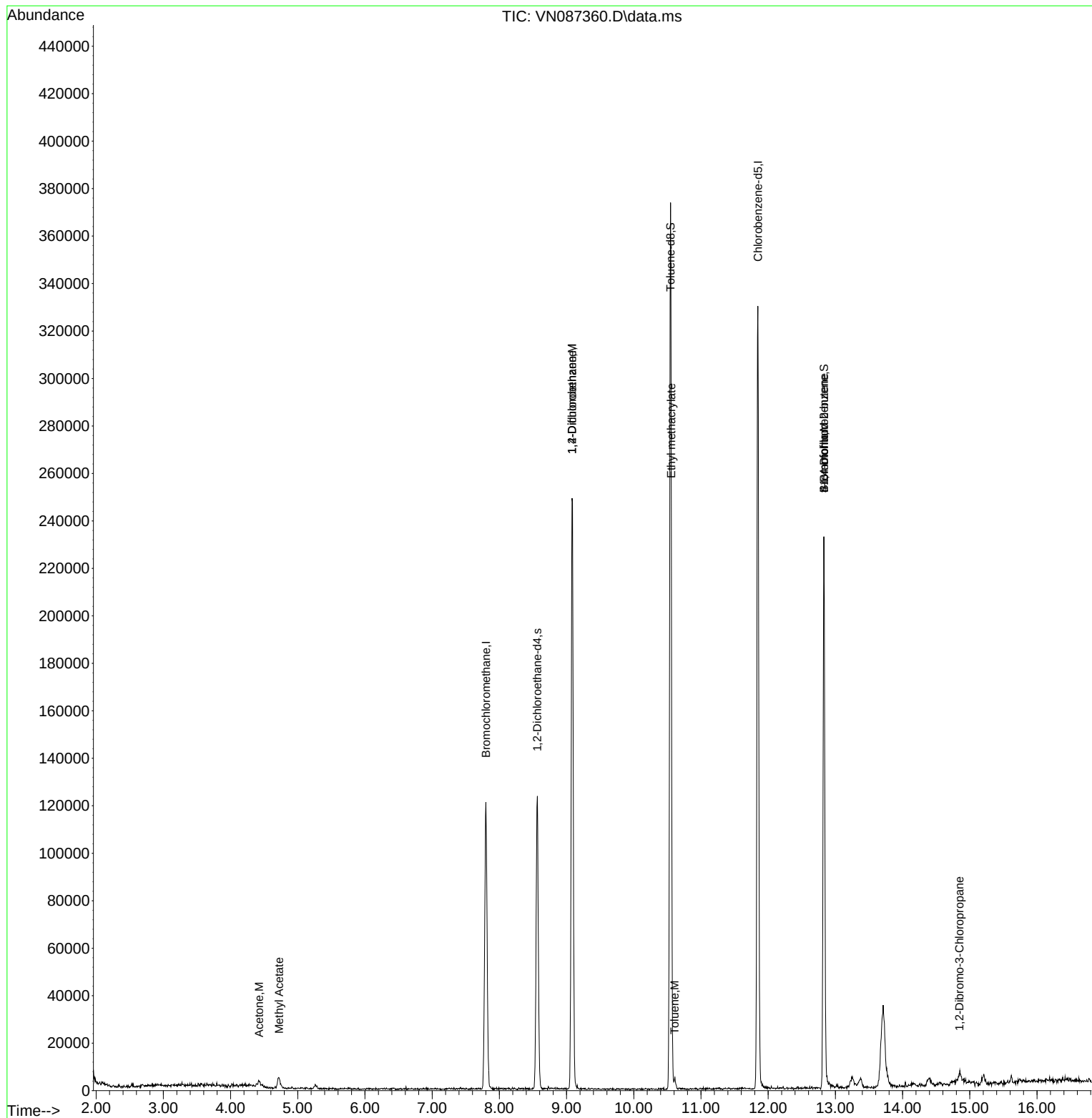
Internal Standards						
1) Bromochloromethane	7.800	128	40858	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.082	114	215460	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	192077	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	104463	33.934	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	113.100%#
60) 4-Bromofluorobenzene	12.829	95	83977	28.333	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.433%
63) Toluene-d8	10.547	98	250667	29.065	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.900%
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.724	43	890	0.229	ug/l #	50
15) Acetone	4.424	58	528	1.000	ug/l #	1
36) 1,2-Dichloroethane	9.082	62	7905	2.300	ug/l #	75
51) Ethyl methacrylate	10.559	69	1181	0.301	ug/l	69
56) Bromoform	12.829	173	779	0.419	ug/l #	1
62) Toluene	10.606	91	3435	0.317	ug/l	92
77) t-1,4-Dichloro-2-butene	12.829	75	44873	30.145	ug/l #	13
88) 1,2-Dibromo-3-Chloropr...	14.847	75	235	0.268	ug/l #	6

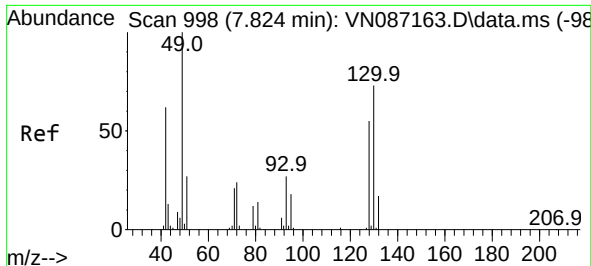
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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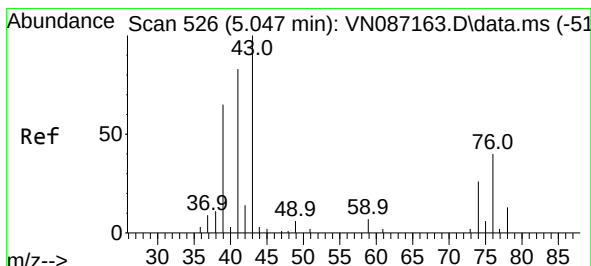
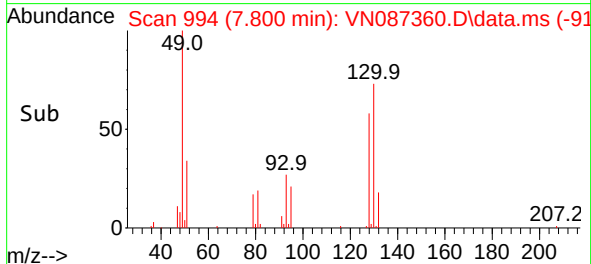
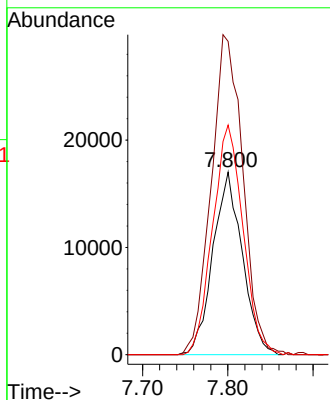
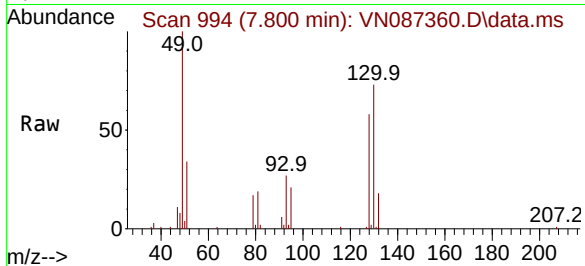




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087360.D
Acq: 18 Jul 2025 12:55

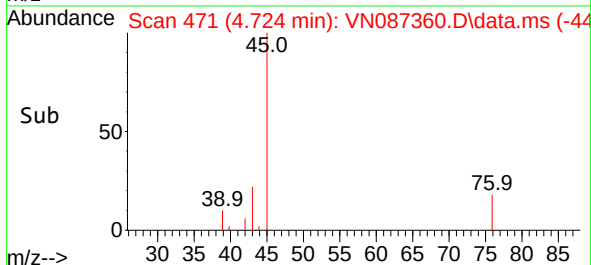
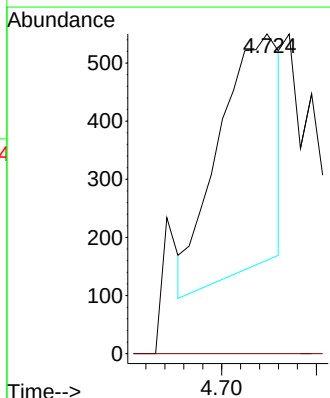
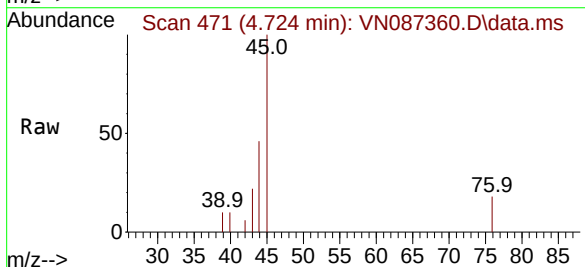
Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

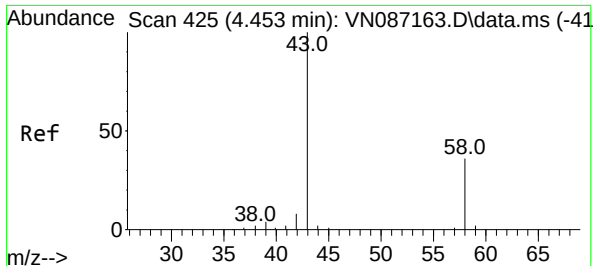
Tgt Ion:128 Resp: 40858
Ion Ratio Lower Upper
128 100
49 187.8 0.0 450.5
130 129.8 0.0 320.7



#12
Methyl Acetate
Concen: 0.229 ug/l
RT: 4.724 min Scan# 471
Delta R.T. -0.323 min
Lab File: VN087360.D
Acq: 18 Jul 2025 12:55

Tgt Ion: 43 Resp: 890
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#





#15

Acetone

Concen: 1.000 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.029 min

Lab File: VN087360.D

Acq: 18 Jul 2025 12:55

Instrument :

MSVOA_N

ClientSampleId :

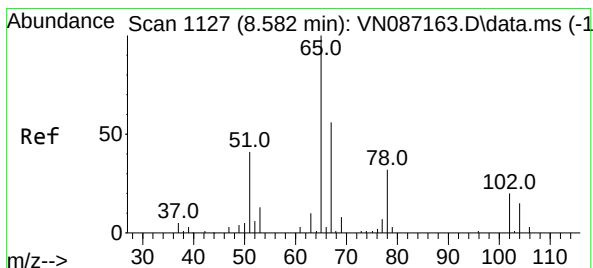
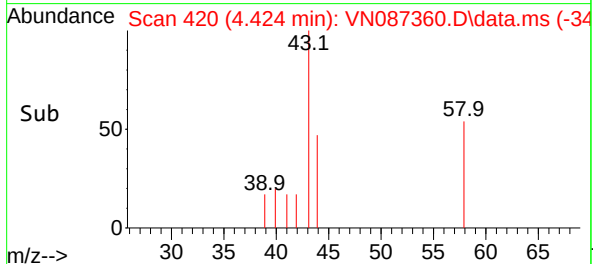
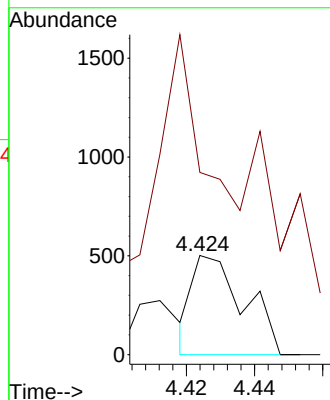
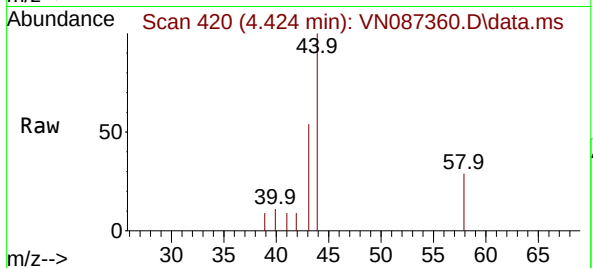
CC-071325-RW

Tgt Ion: 58 Resp: 528

Ion Ratio Lower Upper

58 100

43 78.9 224.3 336.5#



#27

1,2-Dichloroethane-d4

Concen: 33.934 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. -0.018 min

Lab File: VN087360.D

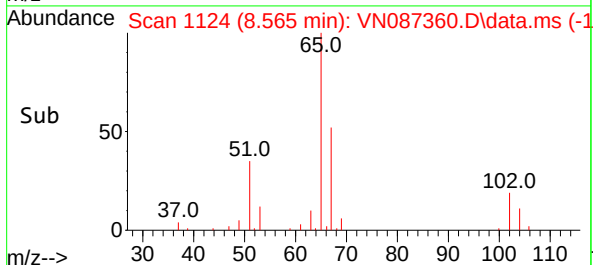
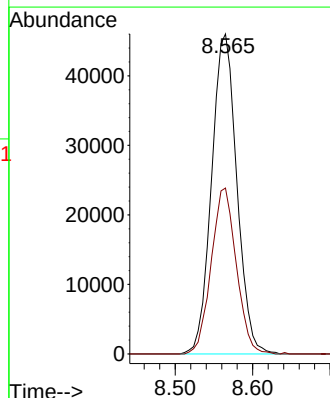
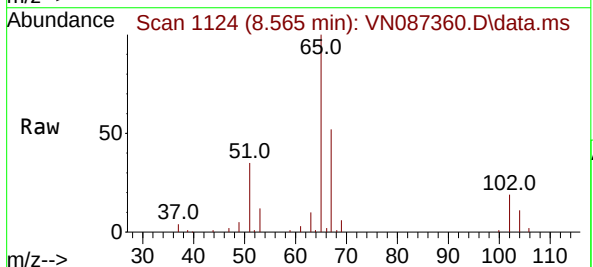
Acq: 18 Jul 2025 12:55

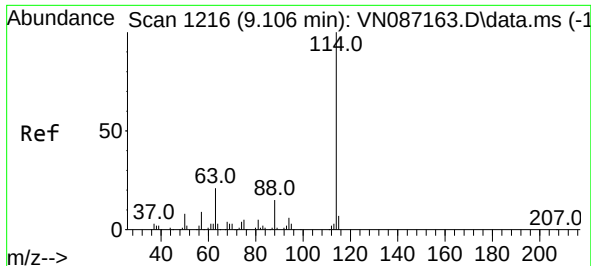
Tgt Ion: 65 Resp: 104463

Ion Ratio Lower Upper

65 100

67 51.5 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.024 min

Lab File: VN087360.D

Acq: 18 Jul 2025 12:55

Instrument :

MSVOA_N

ClientSampleId :

CC-071325-RW

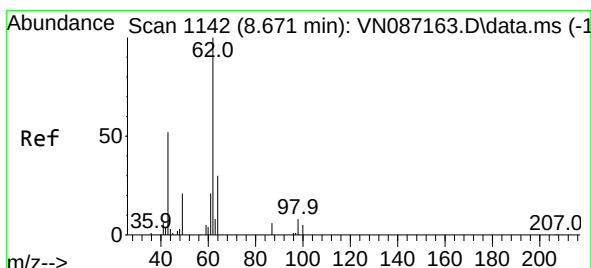
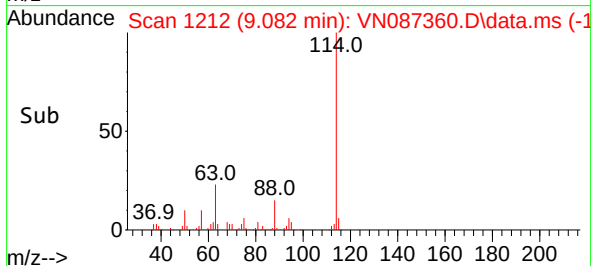
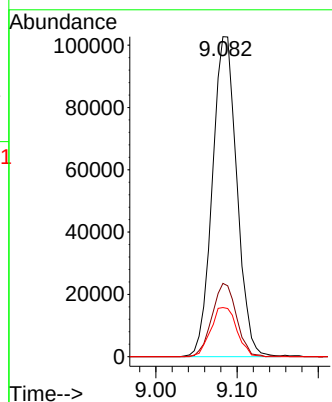
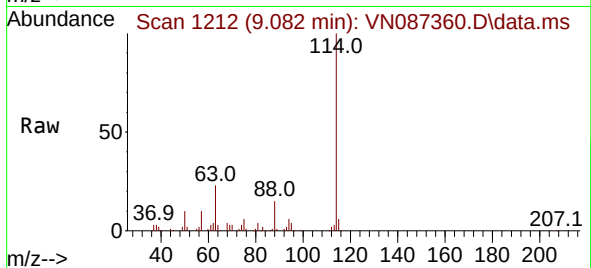
Tgt Ion:114 Resp: 215460

Ion Ratio Lower Upper

114 100

63 22.7 17.0 25.4

88 16.3 12.6 19.0



#36

1,2-Dichloroethane

Concen: 2.300 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.412 min

Lab File: VN087360.D

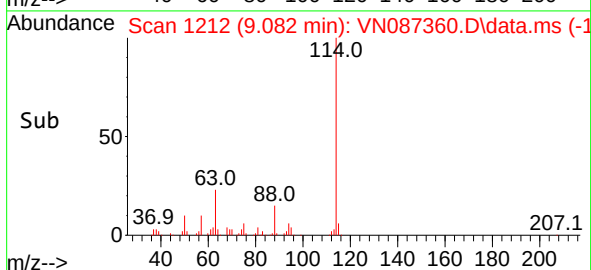
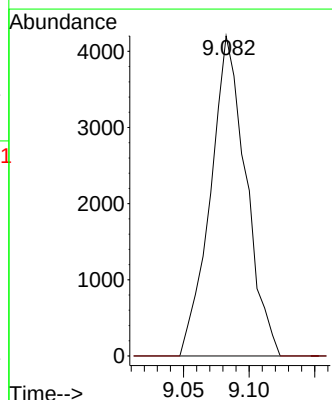
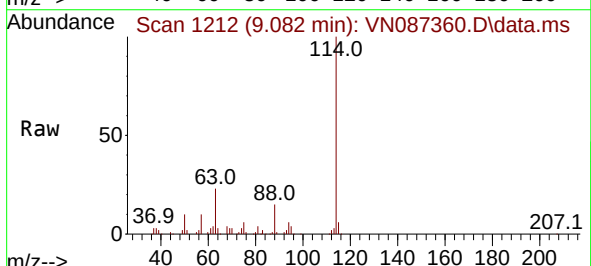
Acq: 18 Jul 2025 12:55

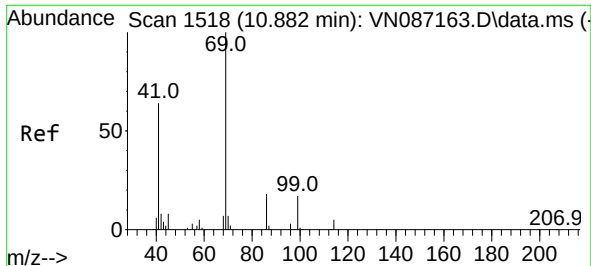
Tgt Ion: 62 Resp: 7905

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

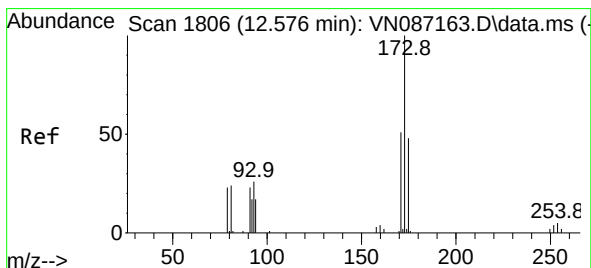
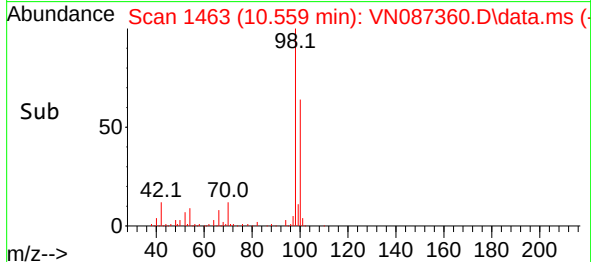
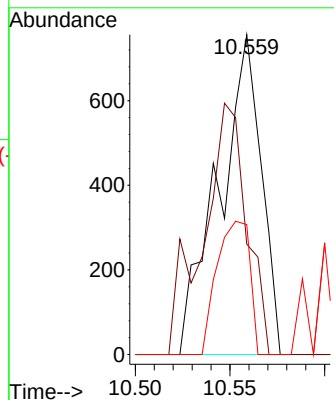
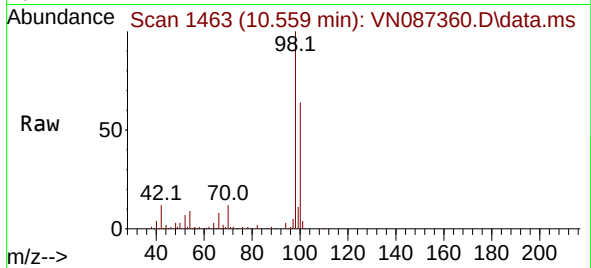




#51
Ethyl methacrylate
Concen: 0.301 ug/l
RT: 10.559 min Scan# 14
Delta R.T. -0.323 min
Lab File: VN087360.D
Acq: 18 Jul 2025 12:55

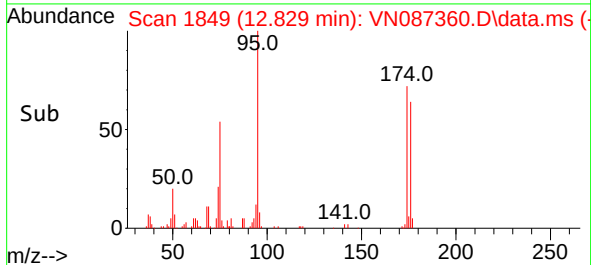
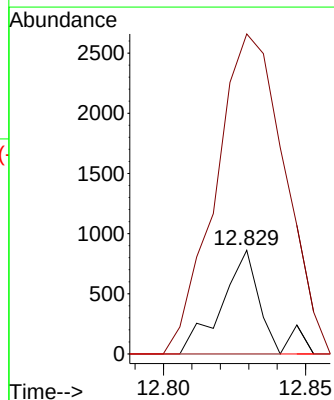
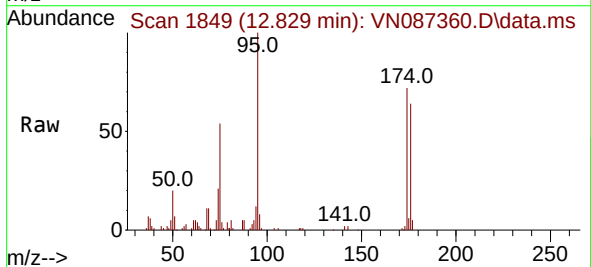
Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

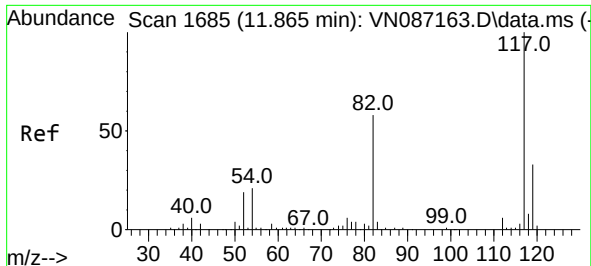
Tgt Ion: 69 Resp: 1181
Ion Ratio Lower Upper
69 100
41 34.5 31.8 95.3
39 40.6 15.3 45.8



#56
Bromoform
Concen: 0.419 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.253 min
Lab File: VN087360.D
Acq: 18 Jul 2025 12:55

Tgt Ion:173 Resp: 779
Ion Ratio Lower Upper
173 100
175 577.2 38.7 58.1#
254 0.0 4.2 6.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN087360.D

Acq: 18 Jul 2025 12:55

Instrument :

MSVOA_N

ClientSampleId :

CC-071325-RW

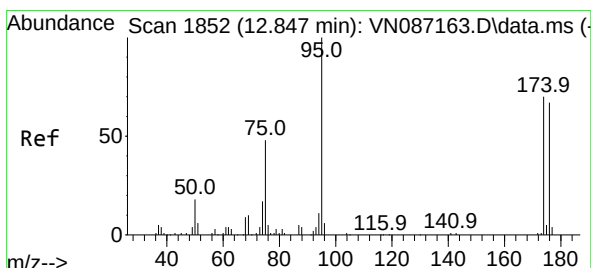
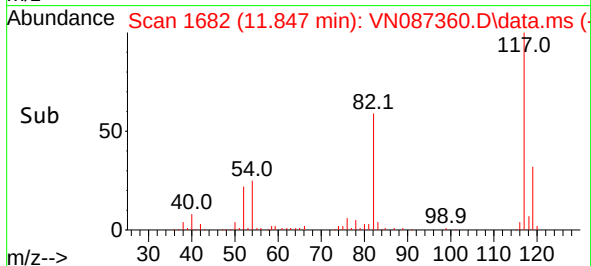
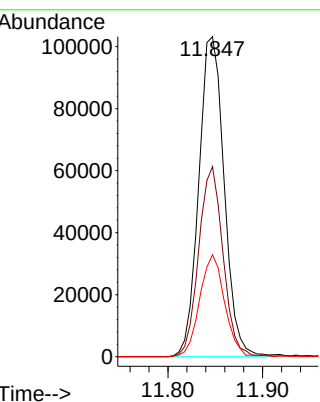
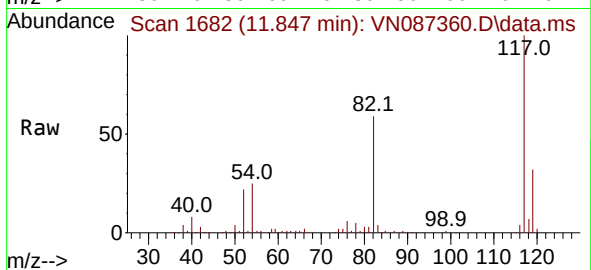
Tgt Ion:117 Resp: 192077

Ion Ratio Lower Upper

117 100

82 56.8 45.4 68.2

119 31.1 26.2 39.4



#60

4-Bromofluorobenzene

Concen: 28.333 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.018 min

Lab File: VN087360.D

Acq: 18 Jul 2025 12:55

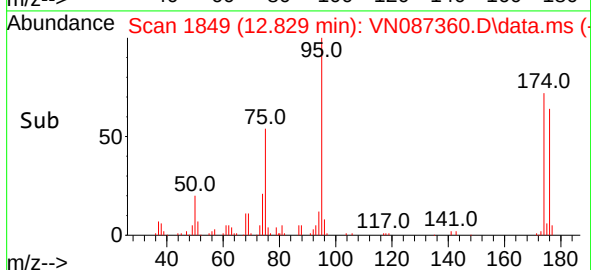
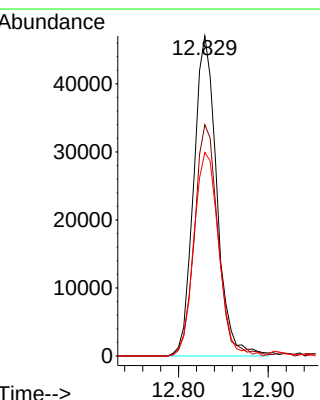
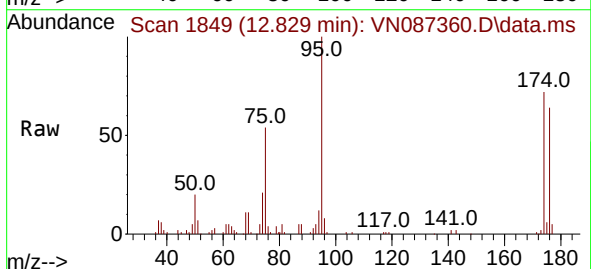
Tgt Ion: 95 Resp: 83977

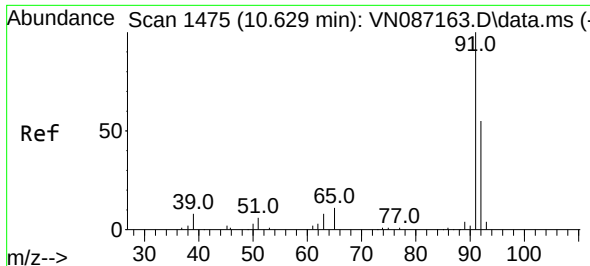
Ion Ratio Lower Upper

95 100

174 72.8 54.5 81.7

176 67.6 51.9 77.9

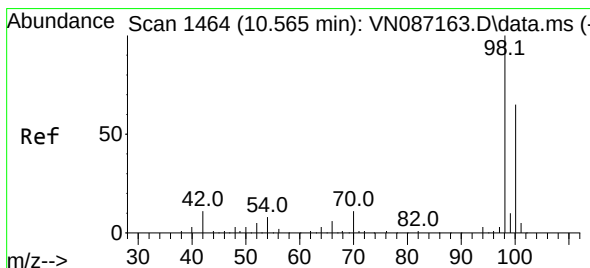
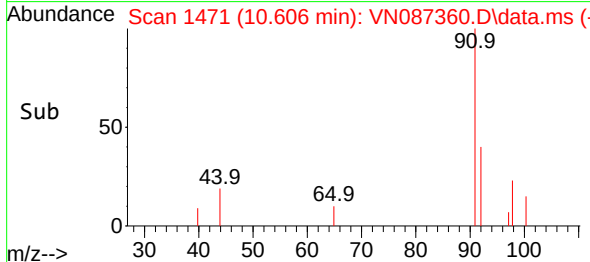
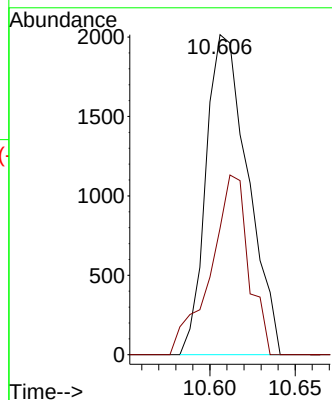
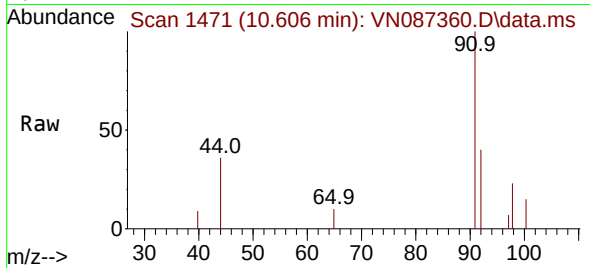




#62
Toluene
Concen: 0.317 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.024 min
Lab File: VN087360.D
Acq: 18 Jul 2025 12:55

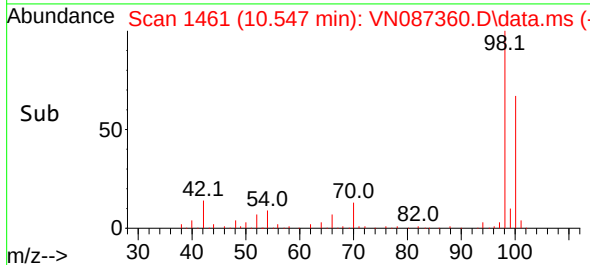
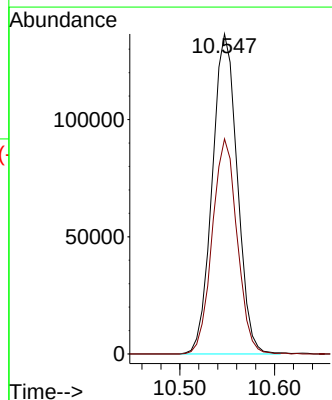
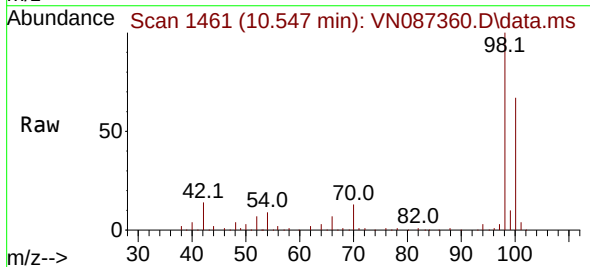
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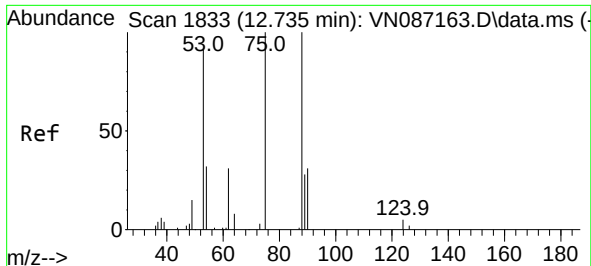
Tgt Ion: 91 Resp: 3435
Ion Ratio Lower Upper
91 100
92 51.1 45.8 68.8



#63
Toluene-d8
Concen: 29.065 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087360.D
Acq: 18 Jul 2025 12:55

Tgt Ion: 98 Resp: 250667
Ion Ratio Lower Upper
98 100
100 66.7 52.5 78.7

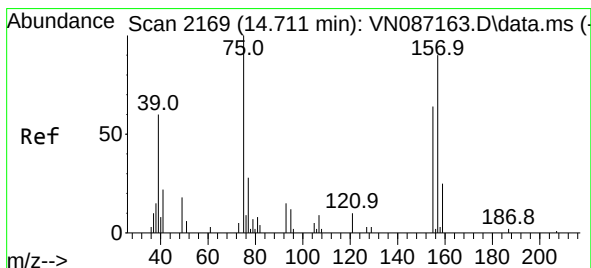
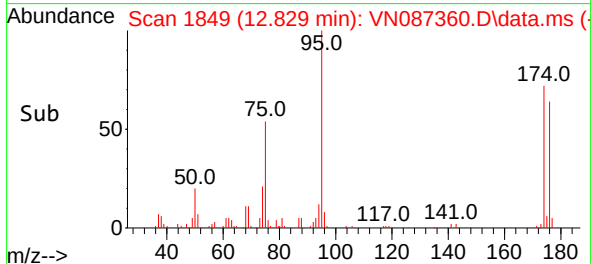
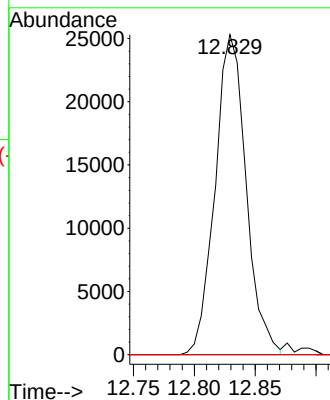
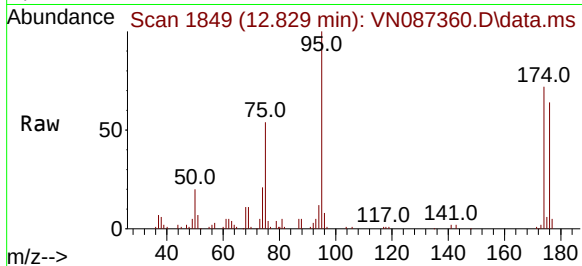




#77
t-1,4-Dichloro-2-butene
Concen: 30.145 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.094 min
Lab File: VN087360.D
Acq: 18 Jul 2025 12:55

Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

Tgt Ion: 75 Resp: 44873
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.6#
89 0.0 22.3 66.9#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.268 ug/l
RT: 14.847 min Scan# 2192
Delta R.T. 0.135 min
Lab File: VN087360.D
Acq: 18 Jul 2025 12:55

Tgt Ion: 75 Resp: 235
Ion Ratio Lower Upper
75 100
155 0.0 58.3 87.5#
157 0.0 79.2 118.8#

