

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087721.D
 Acq On : 04 Sep 2025 14:37
 Operator : JC\MD
 Sample : Q3017-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-079-IDWGW-20250903

Quant Time: Sep 05 02:21:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

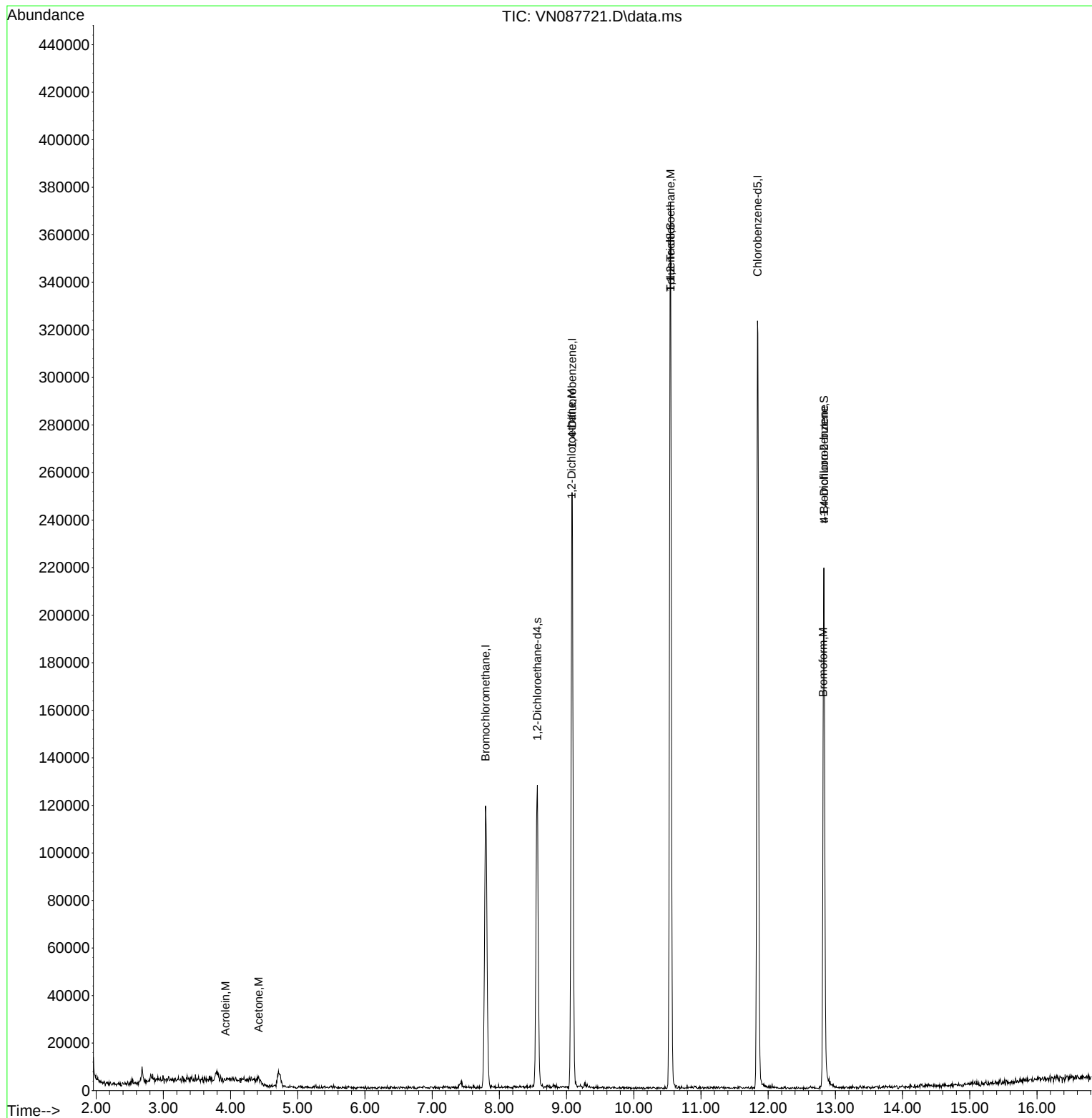
Internal Standards						
1) Bromochloromethane	7.794	128	39130	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	202717	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	174966	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	106030	29.378	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.933%
60) 4-Bromofluorobenzene	12.829	95	76366	25.362	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.533%
63) Toluene-d8	10.547	98	247129	30.697	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.333%
Target Compounds						
					Qvalue	
13) Acrolein	3.924	56	151	0.250	ug/l	87
15) Acetone	4.418	58	237	0.480	ug/l #	66
36) 1,2-Dichloroethane	9.077	62	8507	2.017	ug/l #	77
50) 1,1,2-Trichloroethane	10.547	97	9457	3.728	ug/l #	1
56) Bromoform	12.818	173	582	0.300	ug/l #	34
77) t-1,4-Dichloro-2-butene	12.829	75	45723	34.268	ug/l #	3

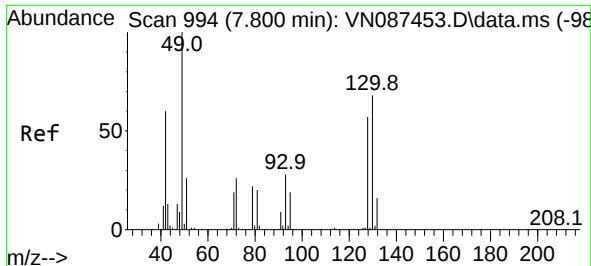
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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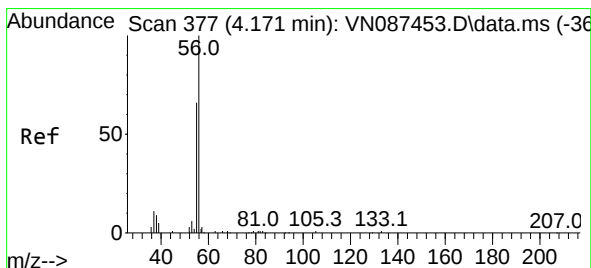
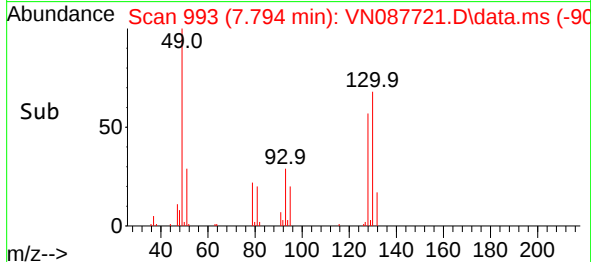
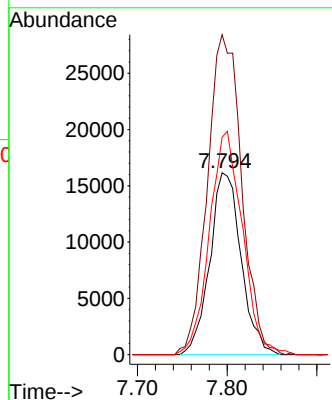
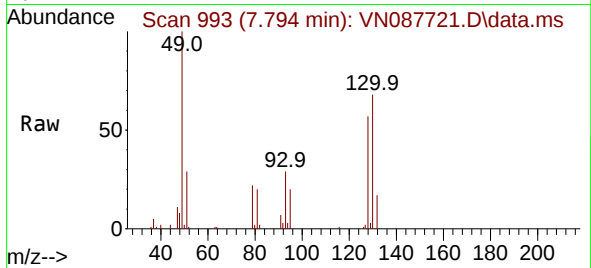




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 994
Delta R.T. -0.006 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

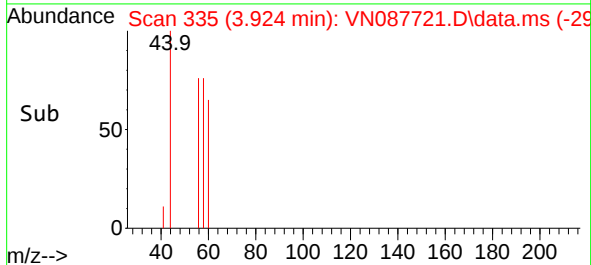
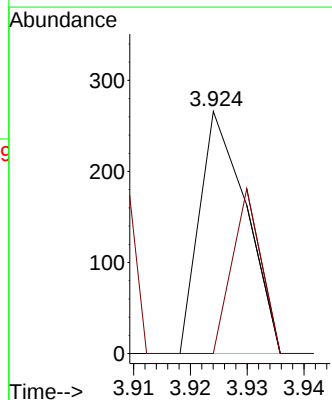
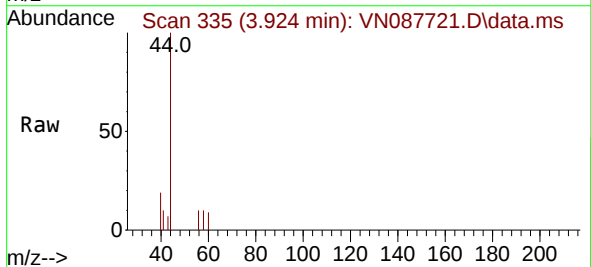
Instrument :
MSVOA_N
ClientSampleId :
TT-079-IDWGW-20250903

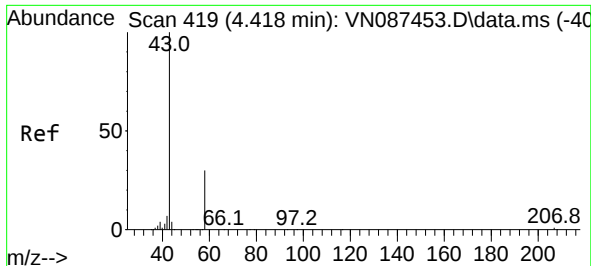
Tgt Ion:128 Resp: 39130
Ion Ratio Lower Upper
128 100
49 192.1 0.0 494.8
130 129.7 0.0 321.5



#13
Acrolein
Concen: 0.250 ug/l
RT: 3.924 min Scan# 335
Delta R.T. -0.247 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

Tgt Ion: 56 Resp: 151
Ion Ratio Lower Upper
56 100
55 82.1 57.4 86.0

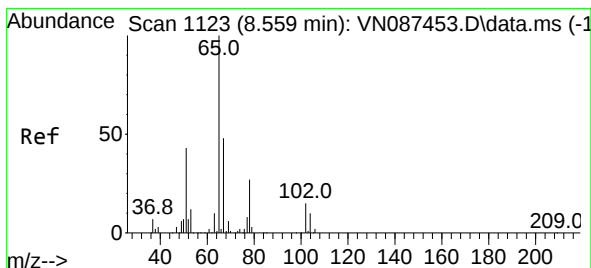
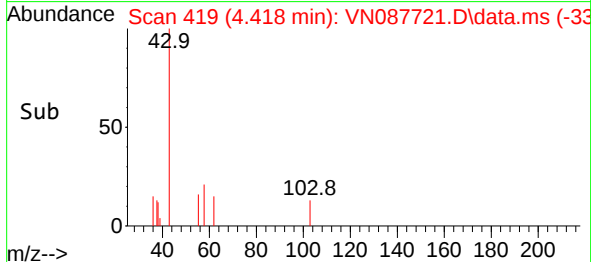
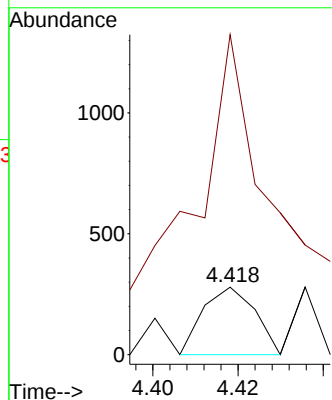
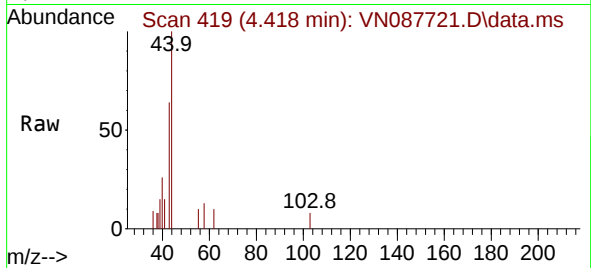




#15
Acetone
Concen: 0.480 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

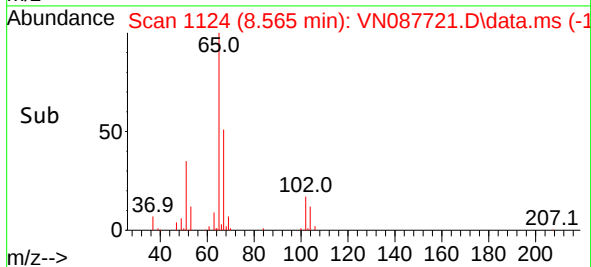
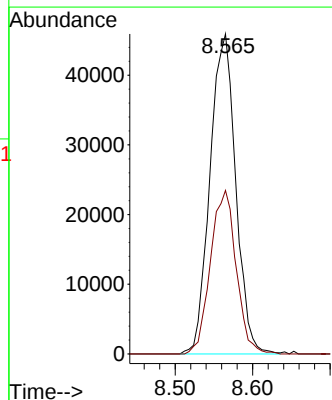
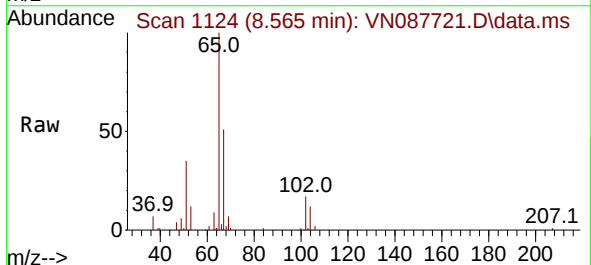
Instrument :
MSVOA_N
ClientSampleId :
TT-079-IDWGW-20250903

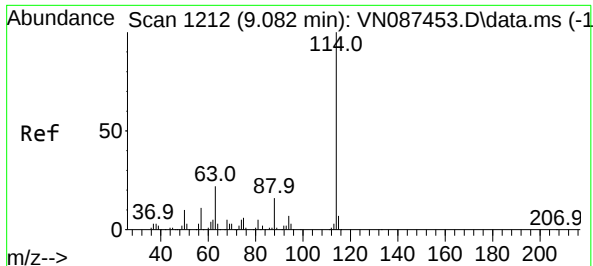
Tgt Ion: 58 Resp: 237
Ion Ratio Lower Upper
58 100
43 264.2 268.9 403.3#



#27
1,2-Dichloroethane-d4
Concen: 29.378 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

Tgt Ion: 65 Resp: 106030
Ion Ratio Lower Upper
65 100
67 51.0 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087721.D

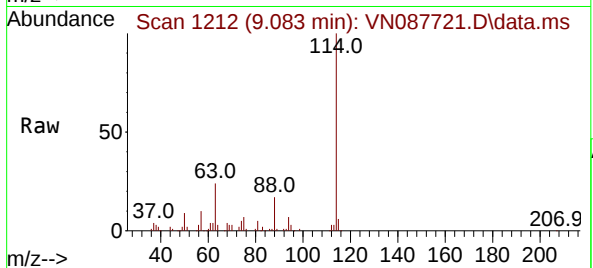
Acq: 04 Sep 2025 14:37

Instrument :

MSVOA_N

ClientSampleId :

TT-079-IDWGW-20250903



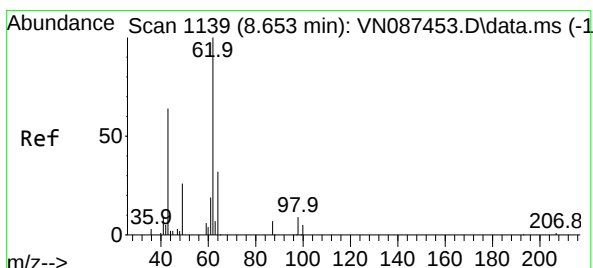
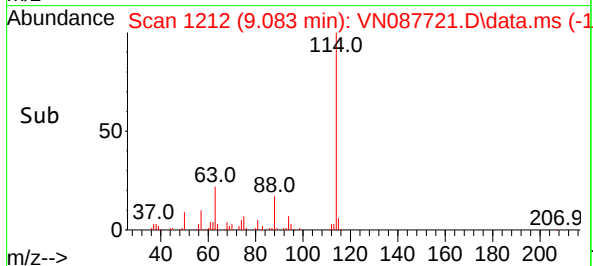
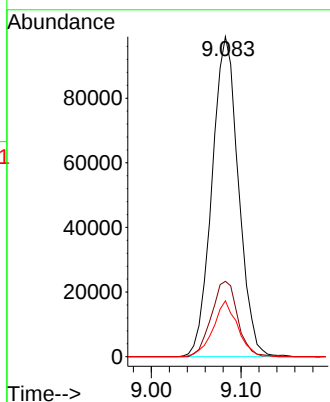
Tgt Ion:114 Resp: 202717

Ion Ratio Lower Upper

114 100

63 23.3 18.9 28.3

88 16.1 13.1 19.7



#36

1,2-Dichloroethane

Concen: 2.017 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. 0.424 min

Lab File: VN087721.D

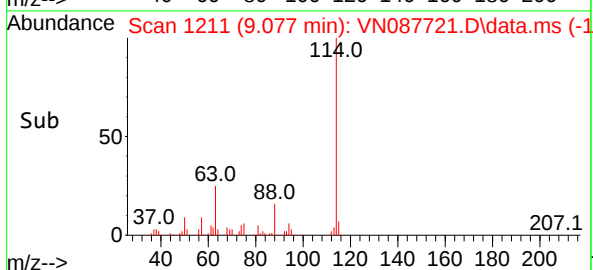
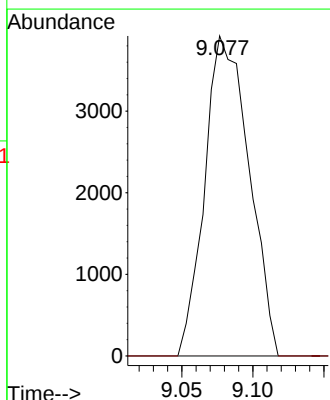
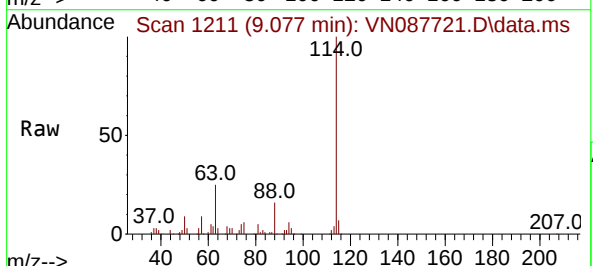
Acq: 04 Sep 2025 14:37

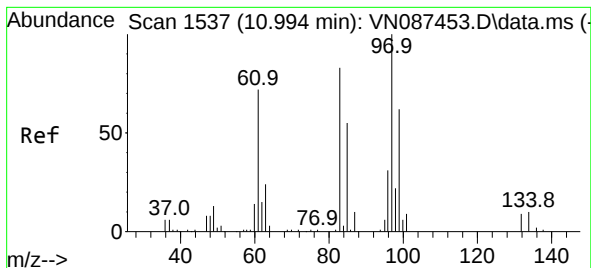
Tgt Ion: 62 Resp: 8507

Ion Ratio Lower Upper

62 100

98 0.0 6.6 9.8#





#50

1,1,2-Trichloroethane

Concen: 3.728 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.447 min

Lab File: VN087721.D

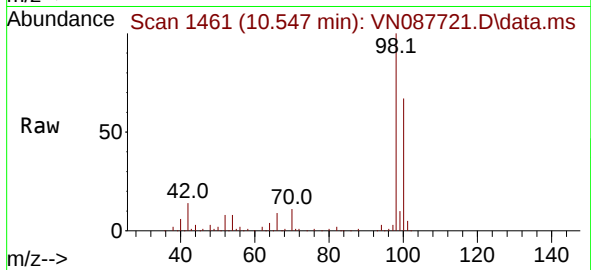
Acq: 04 Sep 2025 14:37

Instrument :

MSVOA_N

ClientSampleId :

TT-079-IDWGW-20250903



Tgt Ion: 97 Resp: 9457

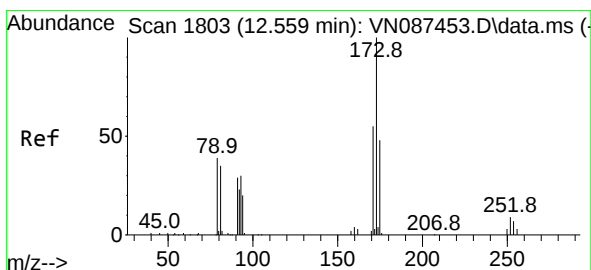
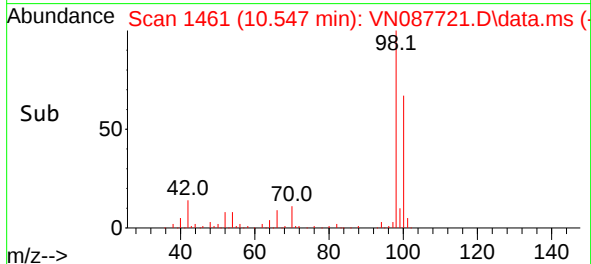
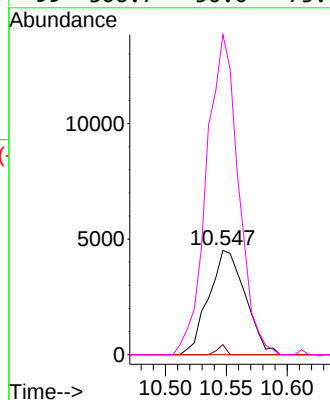
Ion Ratio Lower Upper

97 100

83 9.7 66.2 99.2#

85 0.0 43.9 65.9#

99 306.7 50.0 75.0#



#56

Bromoform

Concen: 0.300 ug/l

RT: 12.818 min Scan# 1847

Delta R.T. 0.259 min

Lab File: VN087721.D

Acq: 04 Sep 2025 14:37

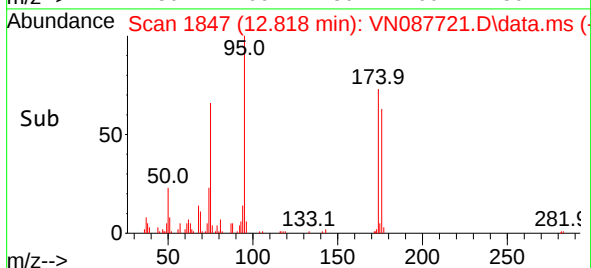
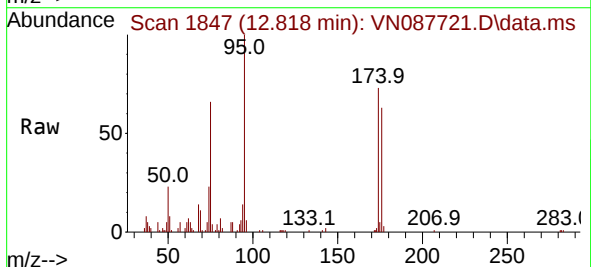
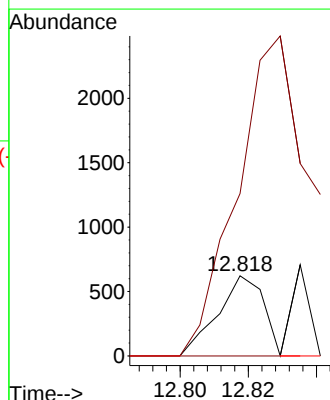
Tgt Ion:173 Resp: 582

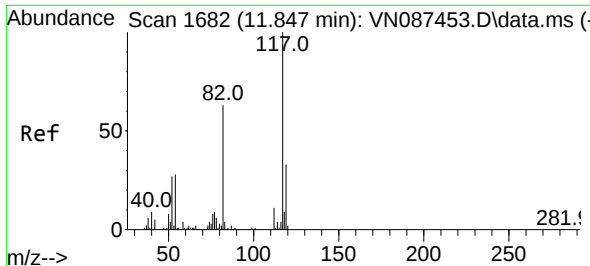
Ion Ratio Lower Upper

173 100

175 0.0 38.8 58.2#

254 0.0 3.9 5.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN087721.D

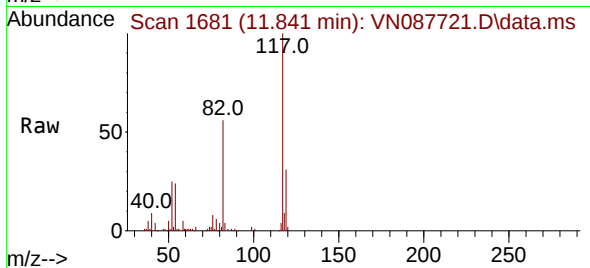
Acq: 04 Sep 2025 14:37

Instrument :

MSVOA_N

ClientSampleId :

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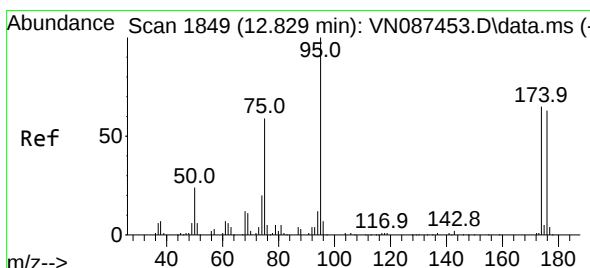
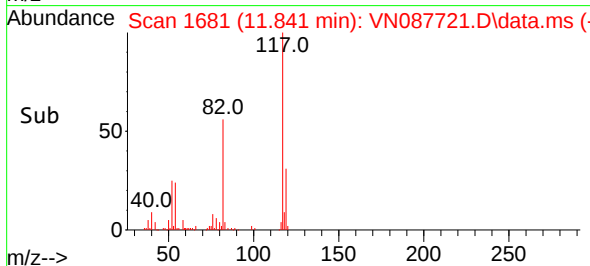
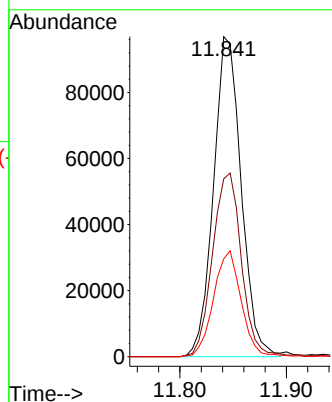
Tgt Ion:117 Resp: 174966

Ion Ratio Lower Upper

117 100

82 59.6 49.2 73.8

119 32.9 25.7 38.5



#60

4-Bromofluorobenzene

Concen: 25.362 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VN087721.D

Acq: 04 Sep 2025 14:37

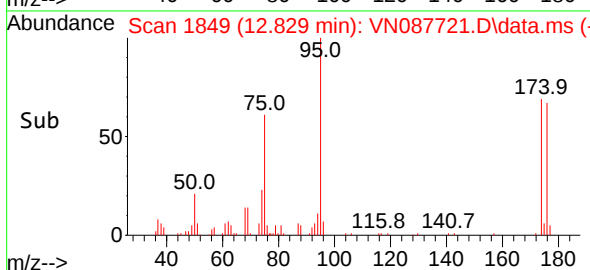
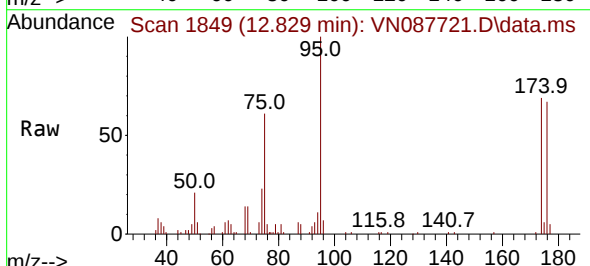
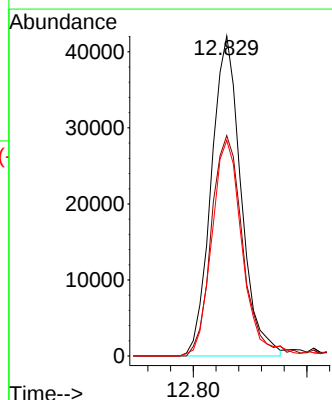
Tgt Ion: 95 Resp: 76366

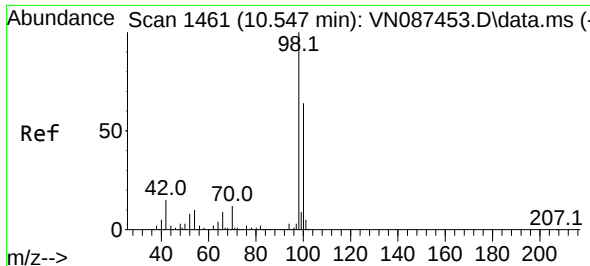
Ion Ratio Lower Upper

95 100

174 71.5 52.3 78.5

176 69.0 49.8 74.8

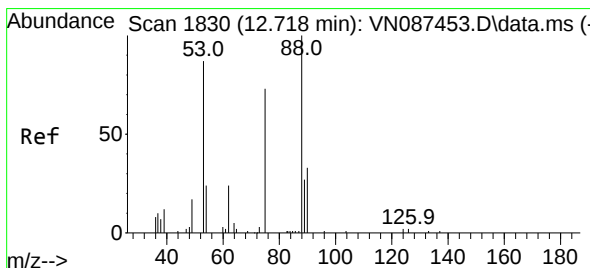
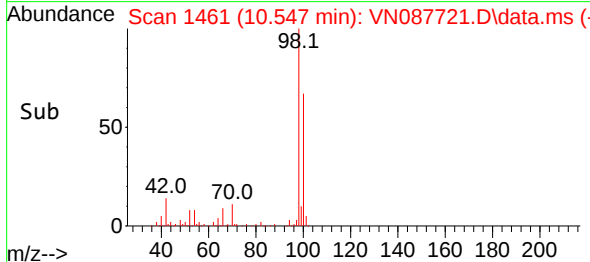
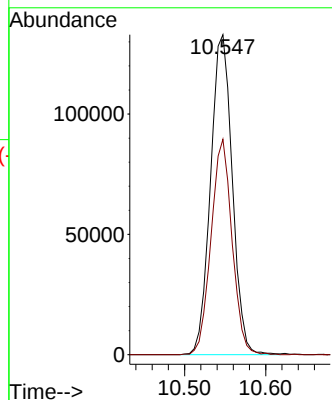
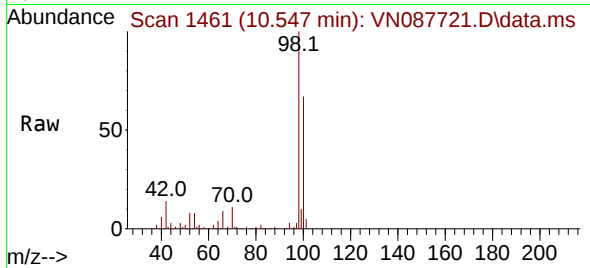




#63
Toluene-d8
Concen: 30.697 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087721.D
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Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 98 Resp: 247129
Ion Ratio Lower Upper
98 100
100 65.0 50.5 75.7



#77
t-1,4-Dichloro-2-butene
Concen: 34.268 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

Tgt Ion: 75 Resp: 45723
Ion Ratio Lower Upper
75 100
53 0.0 59.0 176.8#
89 0.0 22.1 66.5#

