

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102025\
 Data File : VN088076.D
 Acq On : 20 Oct 2025 11:31
 Operator : JC\MD
 Sample : Q3385-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Oct 21 05:37:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

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

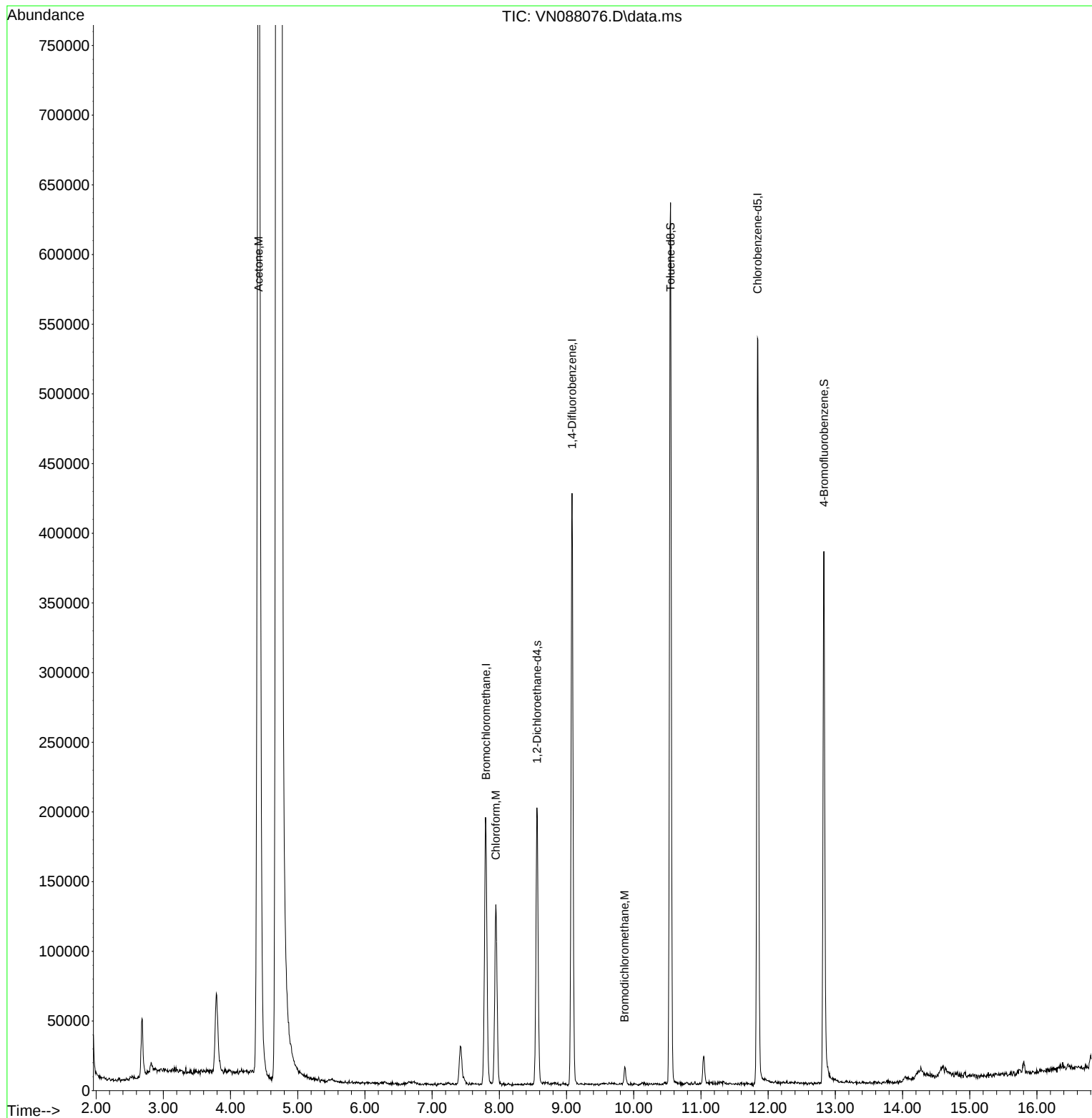
Internal Standards						
1) Bromochloromethane	7.800	128	63544	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	356820	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	313448	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	159806	32.297	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.667%
60) 4-Bromofluorobenzene	12.829	95	148887	28.813	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.033%
63) Toluene-d8	10.547	98	433757	31.059	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.533%
Target Compounds						
					Qvalue	
15) Acetone	4.418	58	587860	765.813	ug/l	95
25) Chloroform	7.947	83	123897	16.068	ug/l	95
41) Bromodichloromethane	9.865	83	8427	1.333	ug/l	87

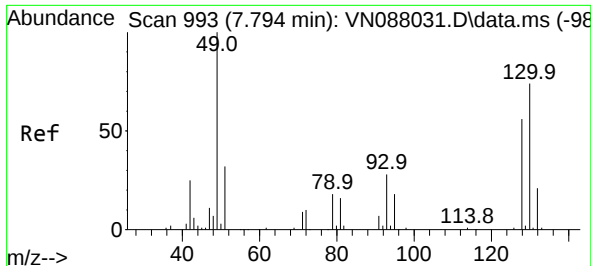
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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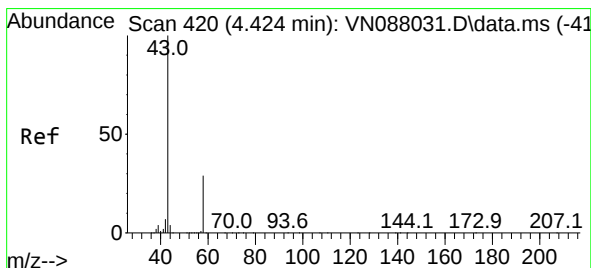
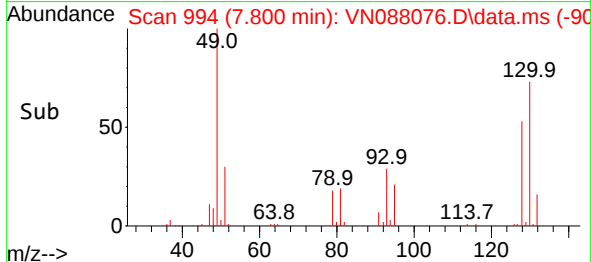
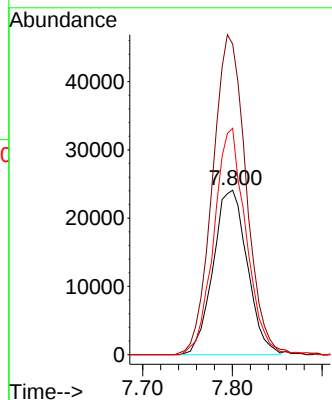
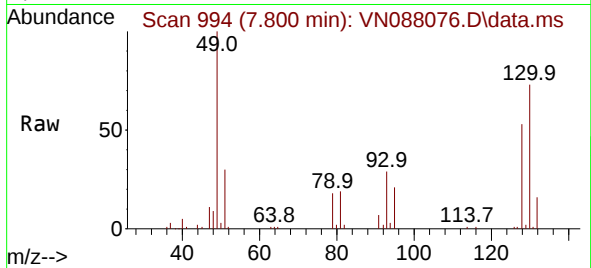




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN088076.D
Acq: 20 Oct 2025 11:31

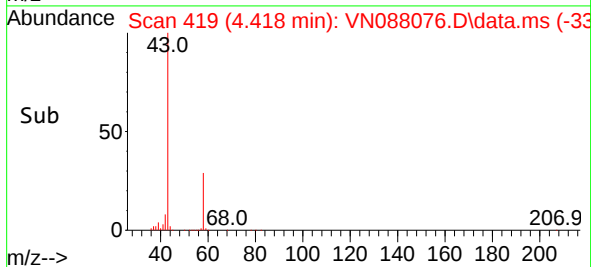
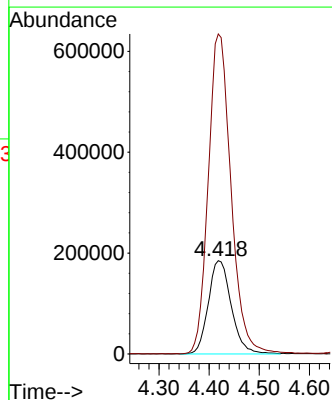
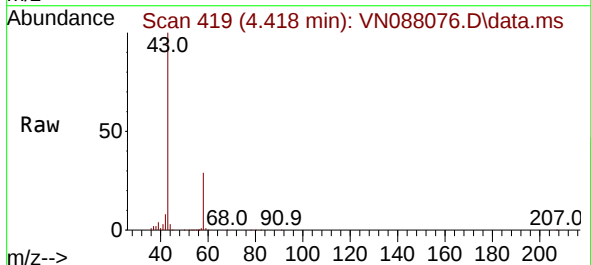
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

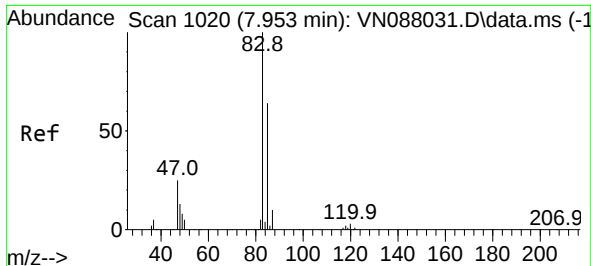
Tgt Ion:128 Resp: 63544
Ion Ratio Lower Upper
128 100
49 191.2 0.0 439.8
130 130.0 0.0 325.8



#15
Acetone
Concen: 765.813 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088076.D
Acq: 20 Oct 2025 11:31

Tgt Ion: 58 Resp: 587860
Ion Ratio Lower Upper
58 100
43 342.8 282.6 424.0

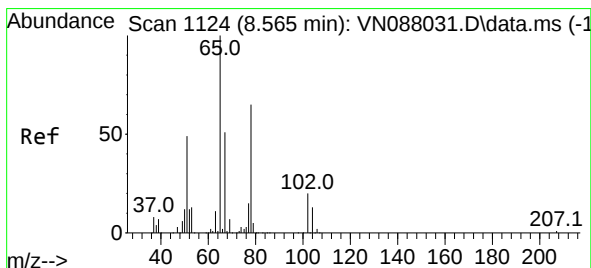
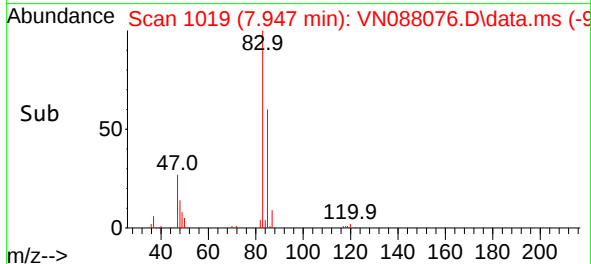
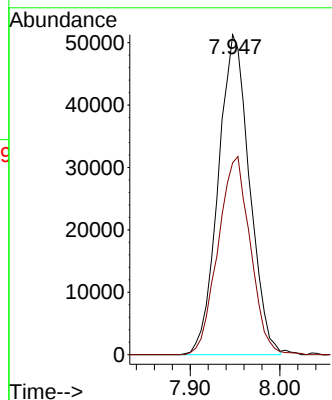
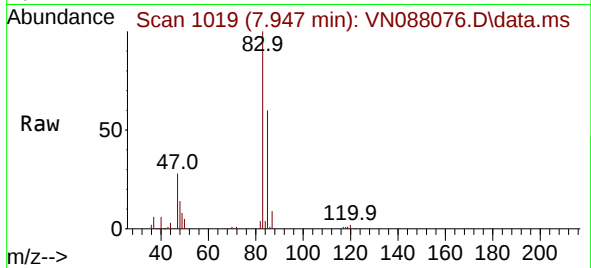




#25
Chloroform
Concen: 16.068 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VN088076.D
Acq: 20 Oct 2025 11:31

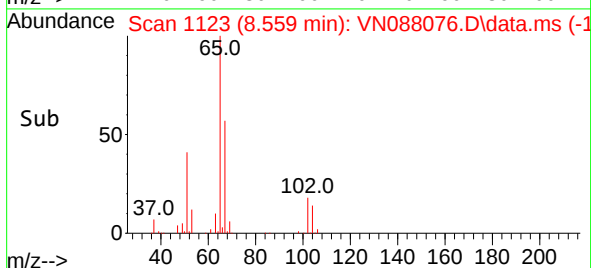
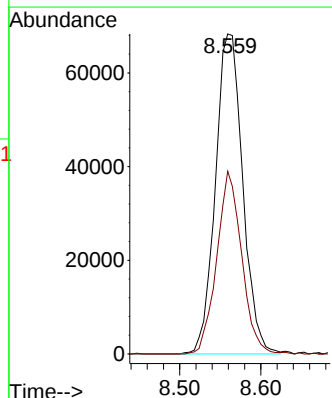
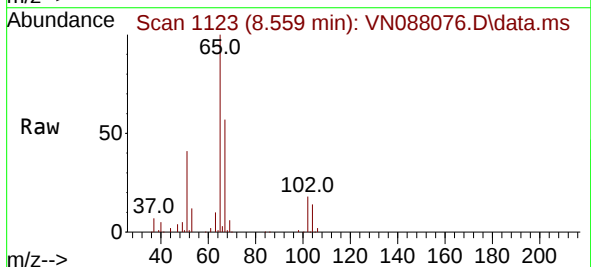
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

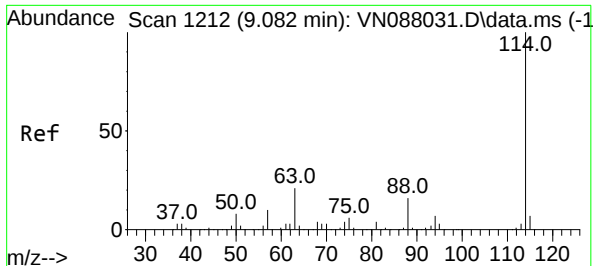
Tgt Ion: 83 Resp: 123897
Ion Ratio Lower Upper
83 100
85 60.0 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 32.297 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088076.D
Acq: 20 Oct 2025 11:31

Tgt Ion: 65 Resp: 159806
Ion Ratio Lower Upper
65 100
67 52.0 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088076.D

Acq: 20 Oct 2025 11:31

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

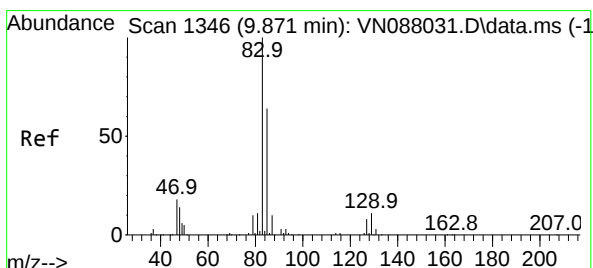
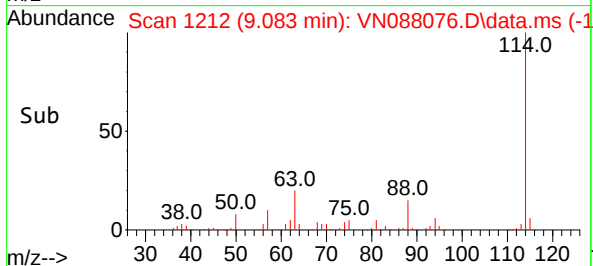
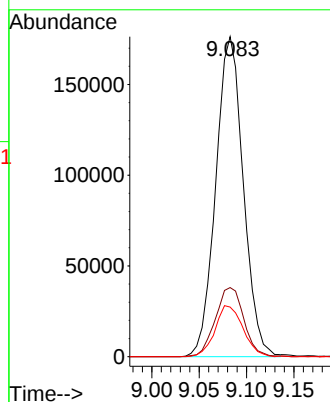
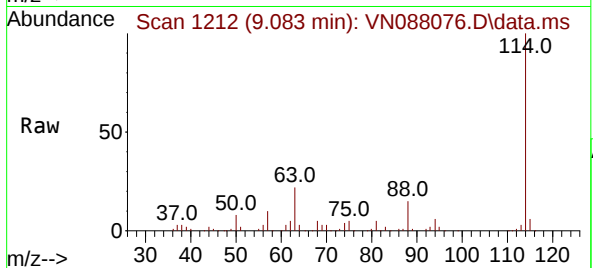
Tgt Ion:114 Resp: 356820

Ion Ratio Lower Upper

114 100

63 22.3 16.6 25.0

88 16.2 12.6 18.8



#41

Bromodichloromethane

Concen: 1.333 ug/l

RT: 9.865 min Scan# 1345

Delta R.T. -0.006 min

Lab File: VN088076.D

Acq: 20 Oct 2025 11:31

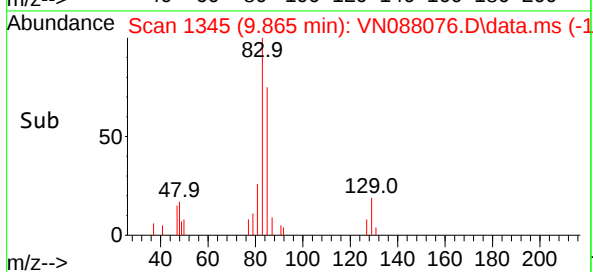
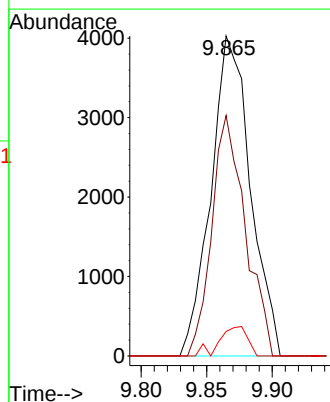
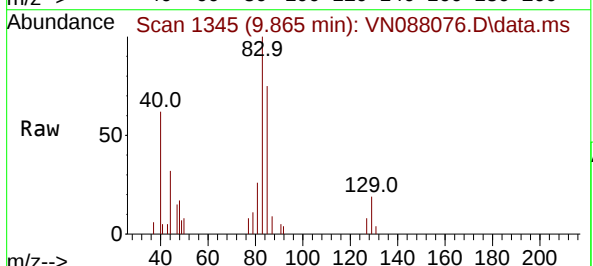
Tgt Ion: 83 Resp: 8427

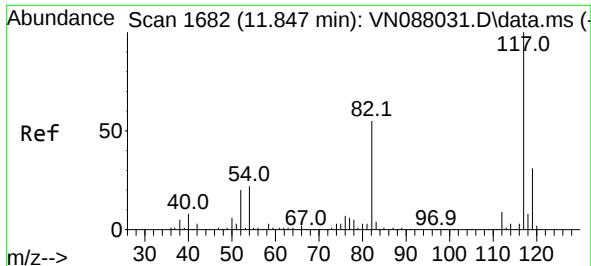
Ion Ratio Lower Upper

83 100

85 75.1 51.0 76.4

127 7.6 6.1 9.1





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088076.D

Acq: 20 Oct 2025 11:31

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

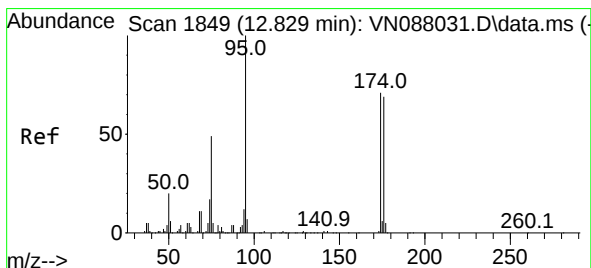
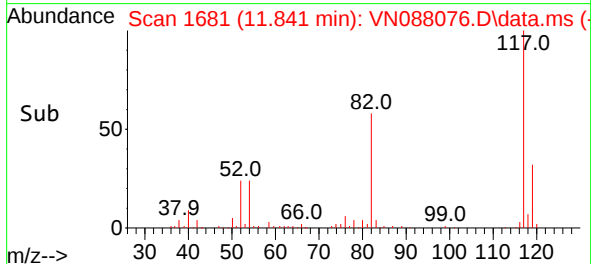
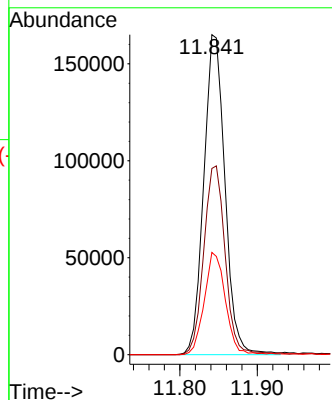
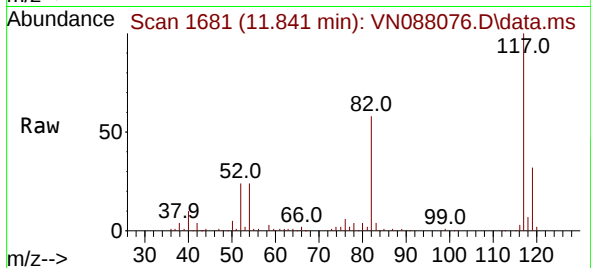
Tgt Ion:117 Resp: 313448

Ion Ratio Lower Upper

117 100

82 59.6 45.2 67.8

119 31.7 25.9 38.9



#60

4-Bromofluorobenzene

Concen: 28.813 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VN088076.D

Acq: 20 Oct 2025 11:31

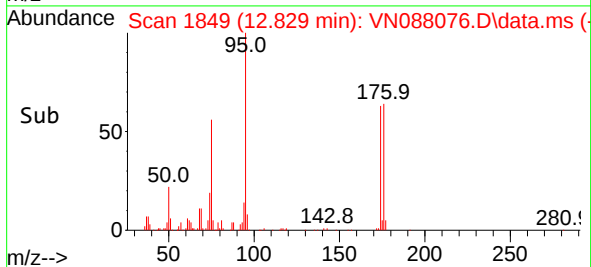
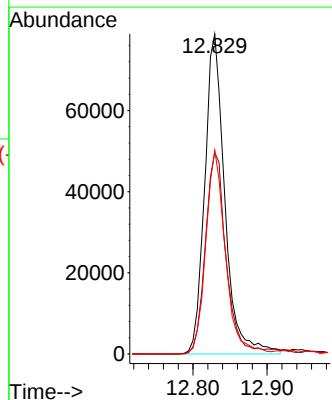
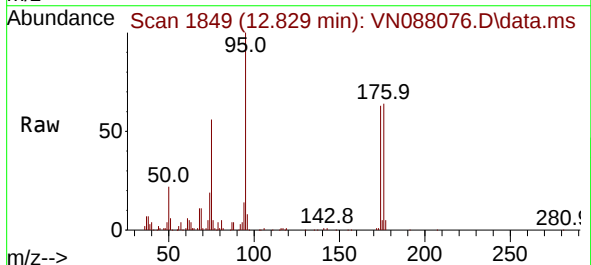
Tgt Ion: 95 Resp: 148887

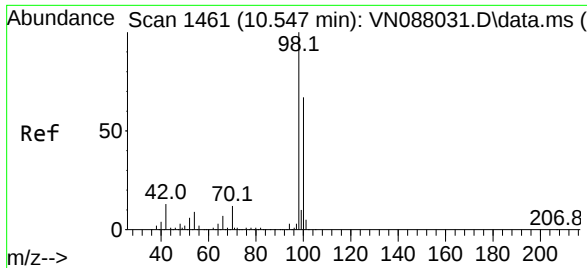
Ion Ratio Lower Upper

95 100

174 64.3 57.4 86.0

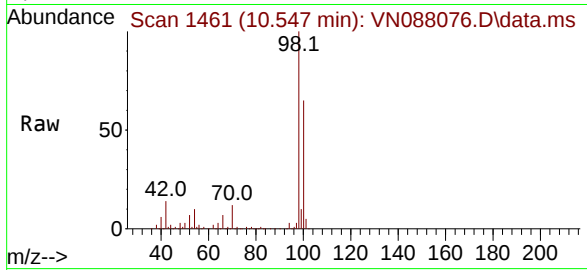
176 62.3 57.0 85.4





#63
Toluene-d8
Concen: 31.059 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN088076.D
Acq: 20 Oct 2025 11:31

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



Tgt Ion: 98 Resp: 433757
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

