

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087364.D
 Acq On : 18 Jul 2025 14:20
 Operator : JC\MD
 Sample : Q2585-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Jul 18 23:20:31 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)

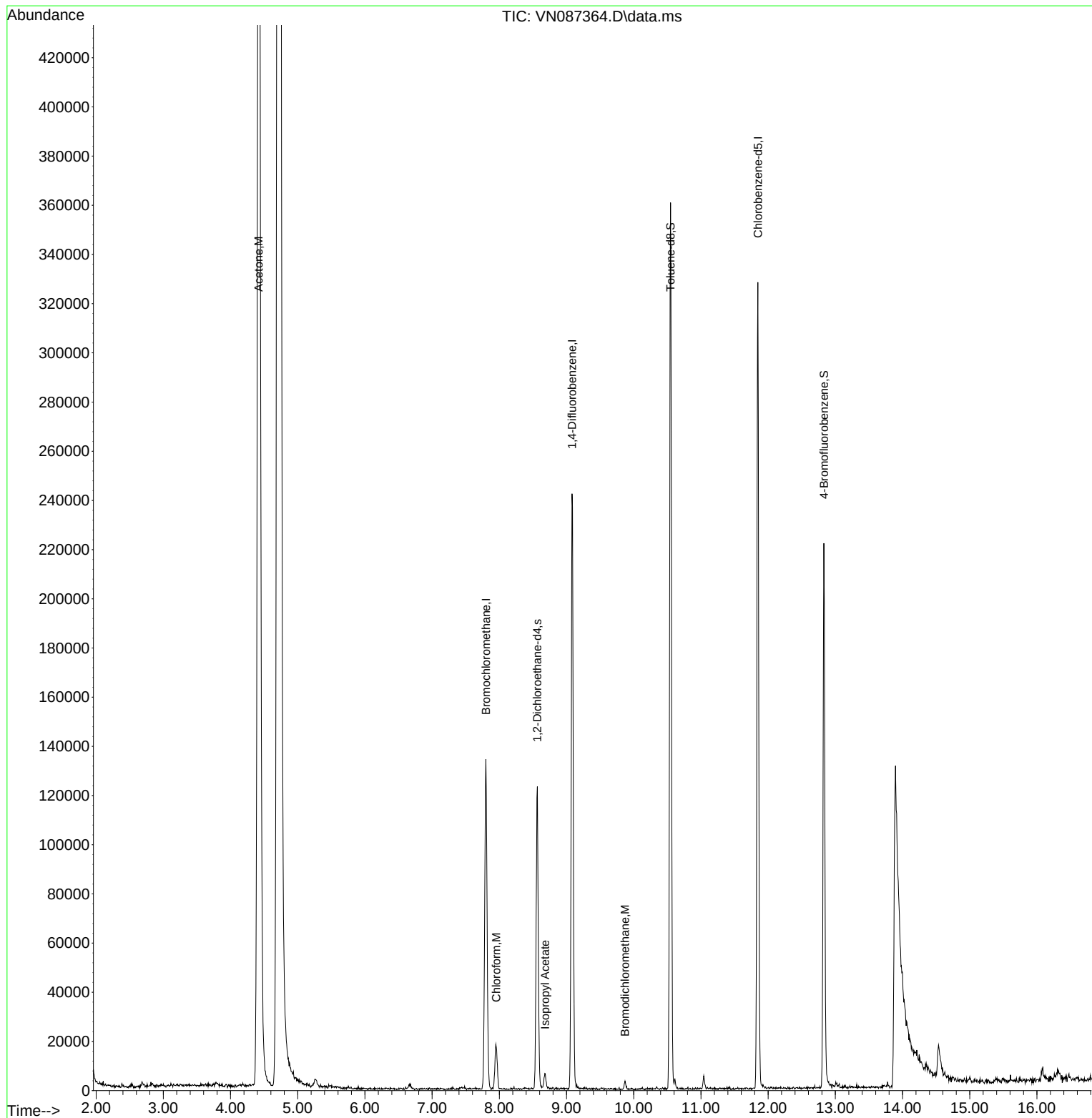
Internal Standards						
1) Bromochloromethane	7.800	128	44521	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.083	114	204474	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	181978	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	99871	29.773	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.233%
60) 4-Bromofluorobenzene	12.829	95	79001	28.133	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.767%
63) Toluene-d8	10.547	98	243478	29.799	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.333%
Target Compounds						
					Qvalue	
15) Acetone	4.418	58	392926	682.664	ug/l	70
25) Chloroform	7.953	83	18139	3.357	ug/l	86
41) Bromodichloromethane	9.871	83	2409	0.693	ug/l #	79
44) Isopropyl Acetate	8.683	43	6950	1.099	ug/l	92

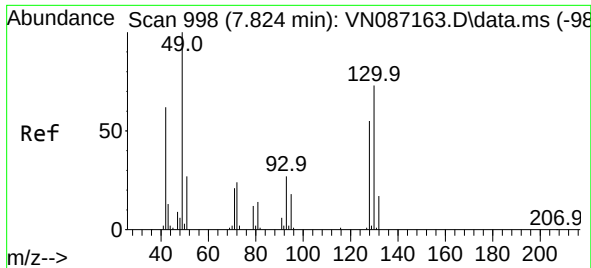
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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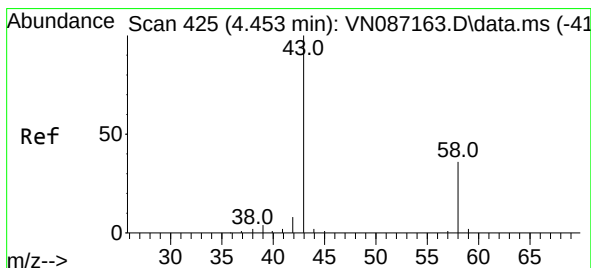
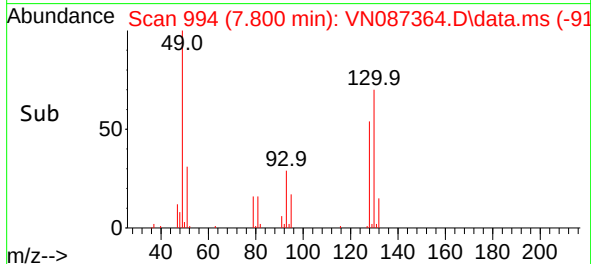
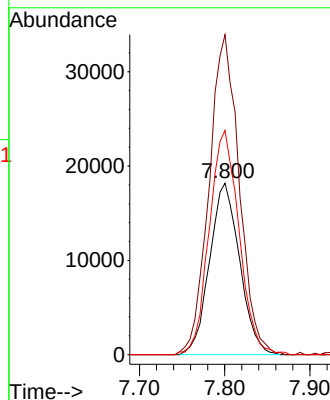
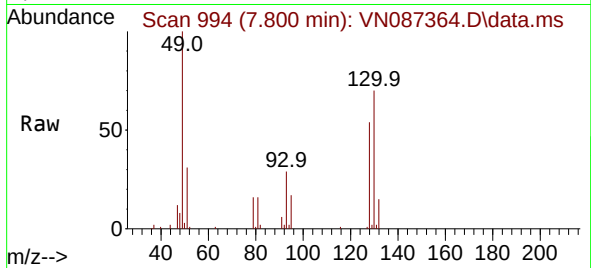




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 998
Delta R.T. -0.024 min
Lab File: VN087364.D
Acq: 18 Jul 2025 14:20

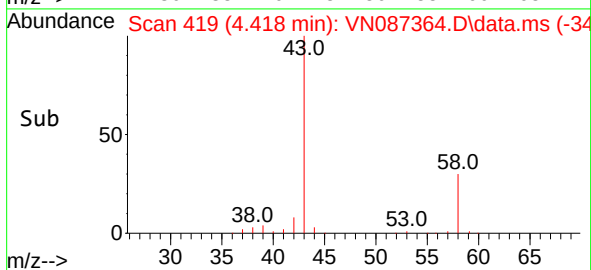
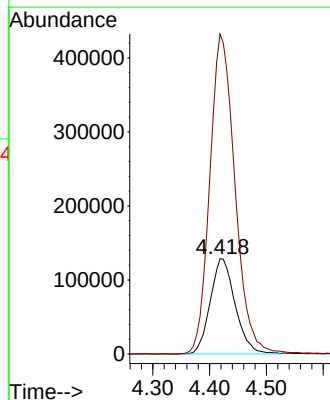
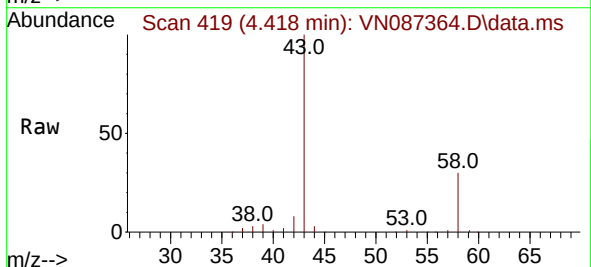
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

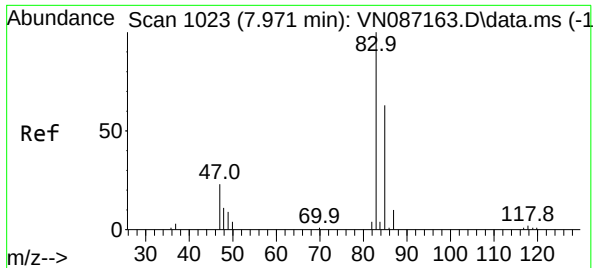
Tgt Ion:128 Resp: 44521
Ion Ratio Lower Upper
128 100
49 187.0 0.0 450.5
130 129.8 0.0 320.7



#15
Acetone
Concen: 682.664 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.035 min
Lab File: VN087364.D
Acq: 18 Jul 2025 14:20

Tgt Ion: 58 Resp: 392926
Ion Ratio Lower Upper
58 100
43 335.8 224.3 336.5

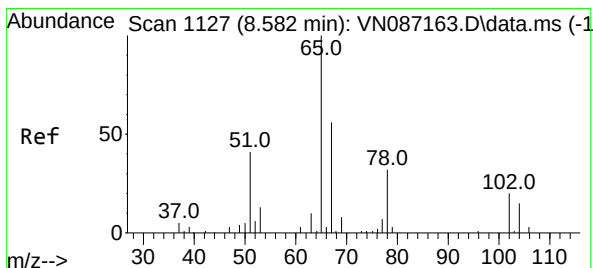
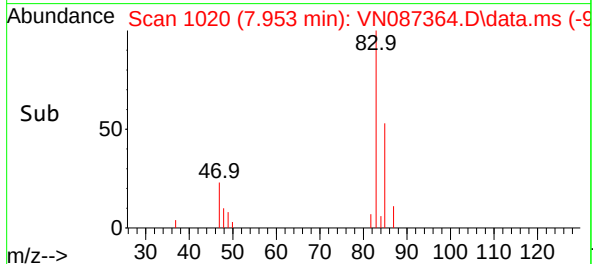
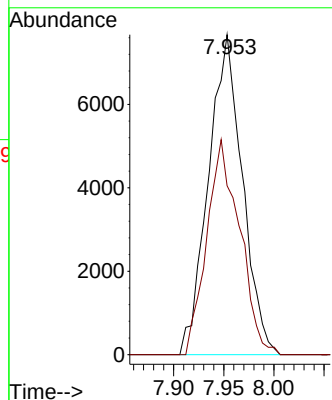
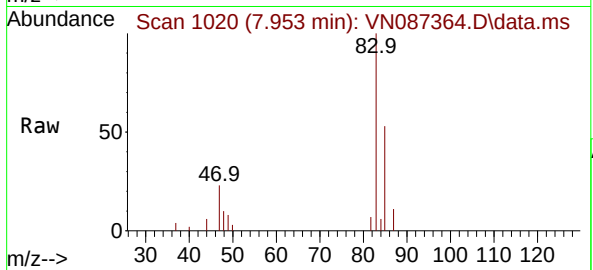




#25
Chloroform
Concen: 3.357 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.018 min
Lab File: VN087364.D
Acq: 18 Jul 2025 14:20

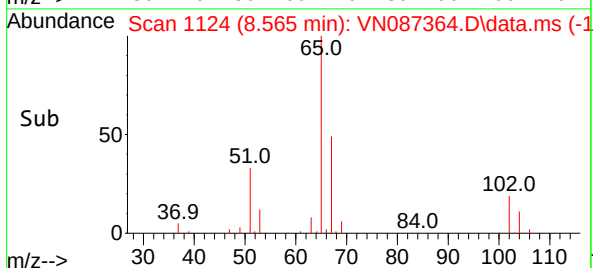
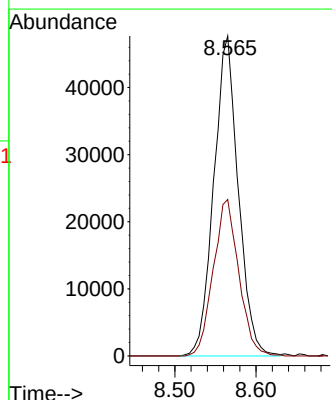
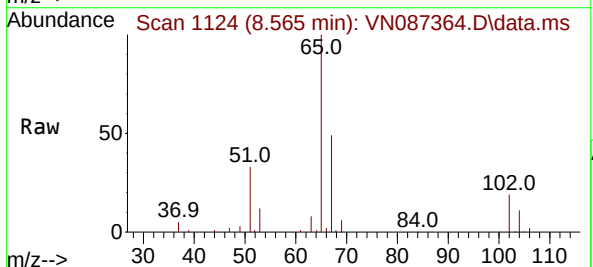
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

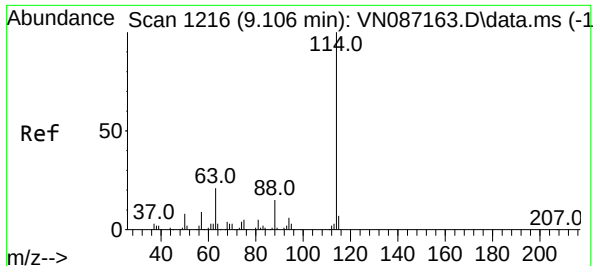
Tgt Ion: 83 Resp: 18139
Ion Ratio Lower Upper
83 100
85 52.8 50.7 76.1



#27
1,2-Dichloroethane-d4
Concen: 29.773 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.018 min
Lab File: VN087364.D
Acq: 18 Jul 2025 14:20

Tgt Ion: 65 Resp: 99871
Ion Ratio Lower Upper
65 100
67 51.0 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. -0.023 min

Lab File: VN087364.D

Acq: 18 Jul 2025 14:20

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

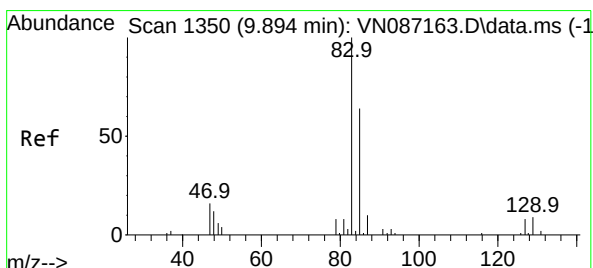
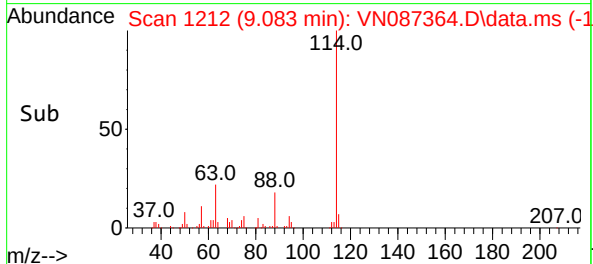
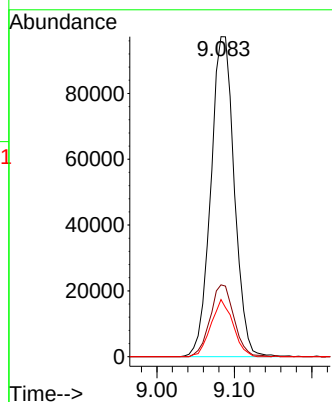
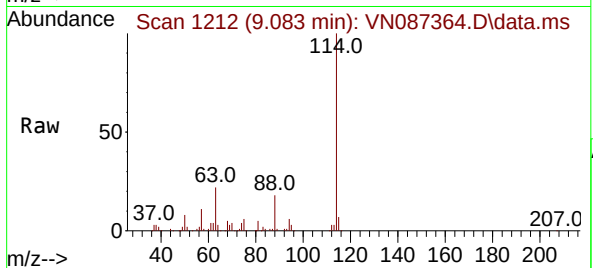
Tgt Ion:114 Resp: 204474

Ion Ratio Lower Upper

114 100

63 22.7 17.0 25.4

88 16.8 12.6 19.0



#41

Bromodichloromethane

Concen: 0.693 ug/l

RT: 9.871 min Scan# 1346

Delta R.T. -0.023 min

Lab File: VN087364.D

Acq: 18 Jul 2025 14:20

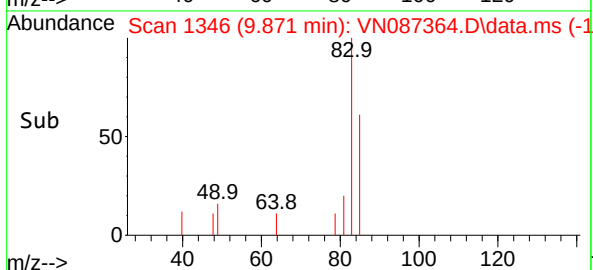
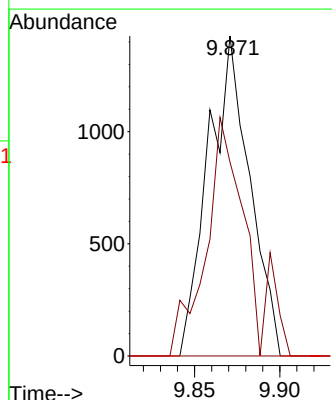
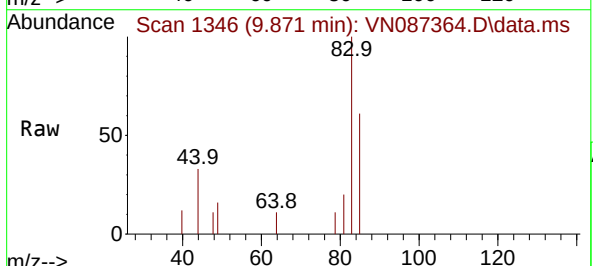
Tgt Ion: 83 Resp: 2409

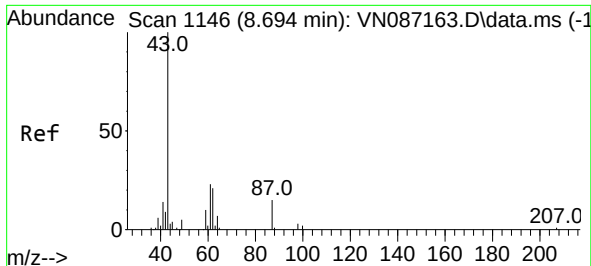
Ion Ratio Lower Upper

83 100

85 48.0 51.4 77.2#

127 0.0 6.1 9.1#

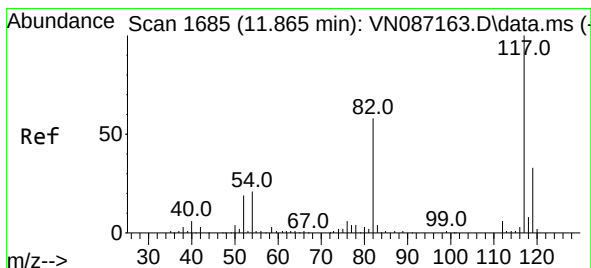
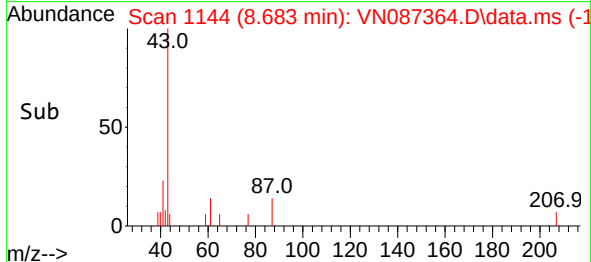
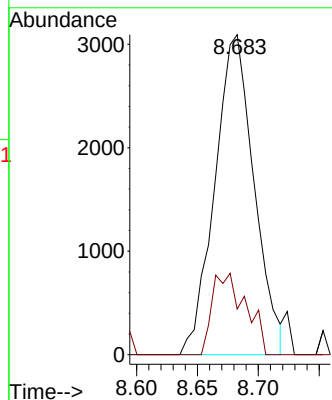
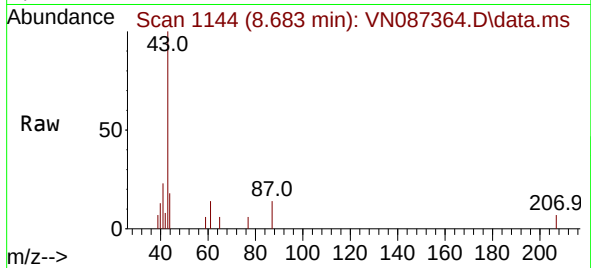




#44
Isopropyl Acetate
Concen: 1.099 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.012 min
Lab File: VN087364.D
Acq: 18 Jul 2025 14:20

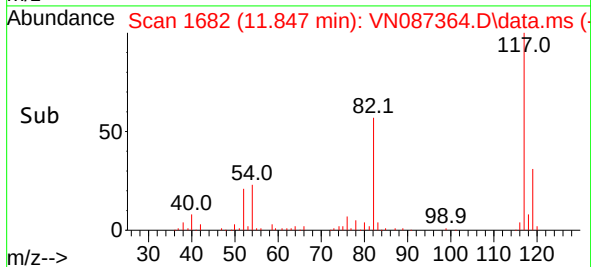
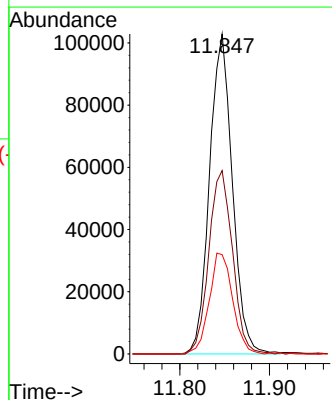
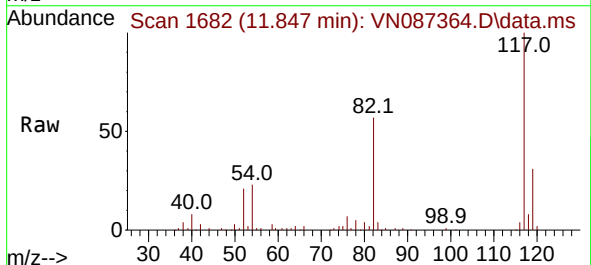
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

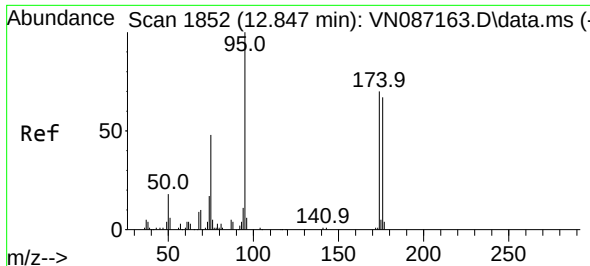
Tgt Ion: 43 Resp: 6950
Ion Ratio Lower Upper
43 100
61 21.7 20.5 30.7



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.018 min
Lab File: VN087364.D
Acq: 18 Jul 2025 14:20

Tgt Ion: 117 Resp: 181978
Ion Ratio Lower Upper
117 100
82 59.3 45.4 68.2
119 32.3 26.2 39.4

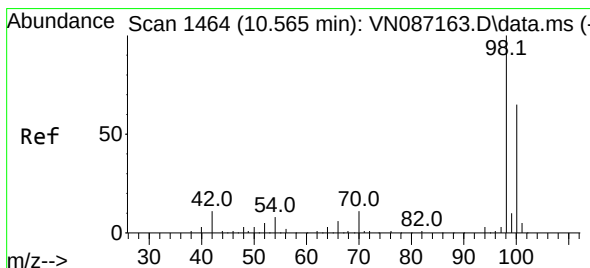
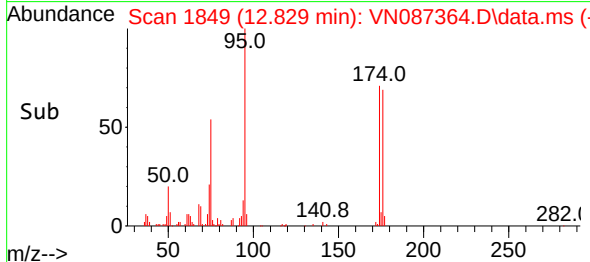
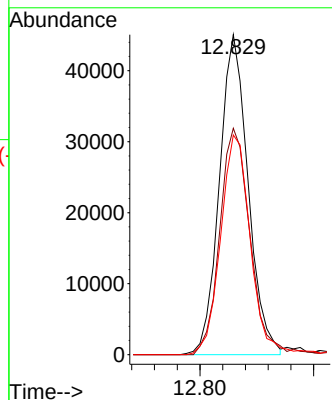
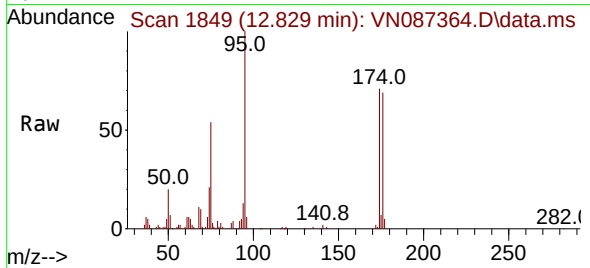




#60
4-Bromofluorobenzene
Concen: 28.133 ug/l
RT: 12.829 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087364.D
Acq: 18 Jul 2025 14:20

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 95 Resp: 79001
Ion Ratio Lower Upper
95 100
174 73.7 54.5 81.7
176 70.7 51.9 77.9



#63
Toluene-d8
Concen: 29.799 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087364.D
Acq: 18 Jul 2025 14:20

Tgt Ion: 98 Resp: 243478
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7

