

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042984.D
 Acq On : 23 Sep 2025 10:01
 Operator : SY/MD
 Sample : VL0923ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABL01

Quant Time: Sep 24 02:05:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	140749	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	395903	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	343517	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.383	95	271935	10.605	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.000%

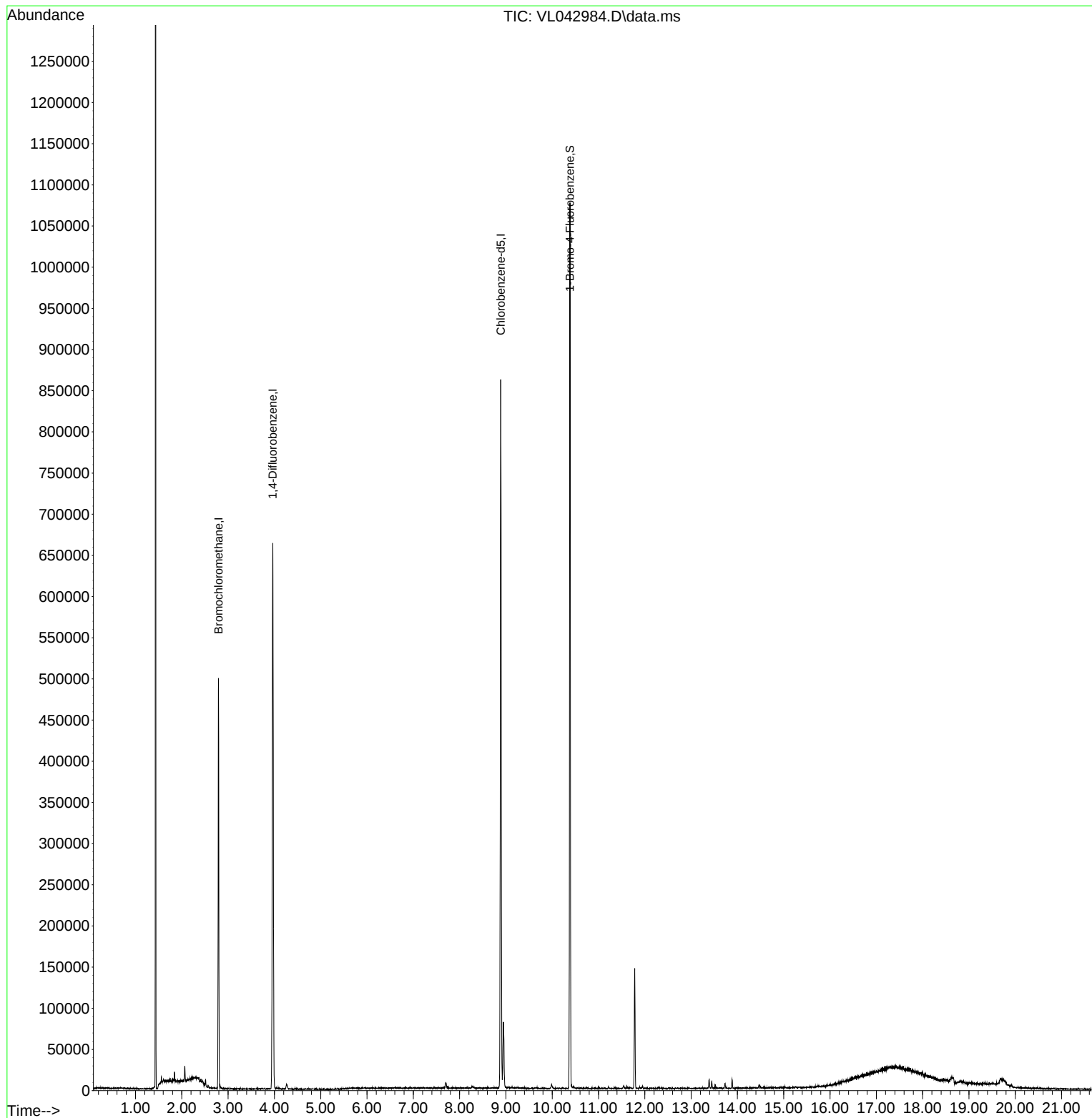
Target Compounds	Qvalue

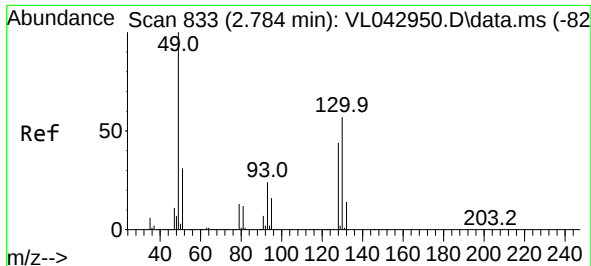
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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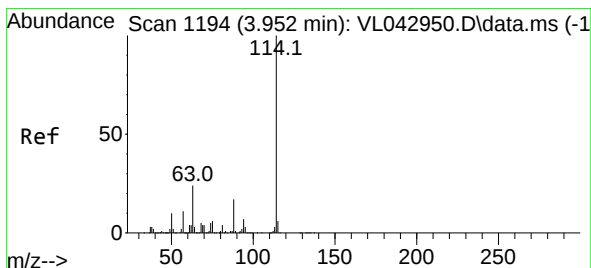
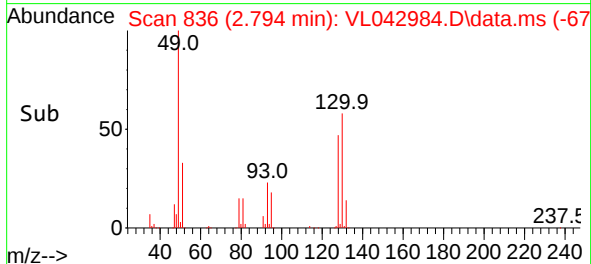
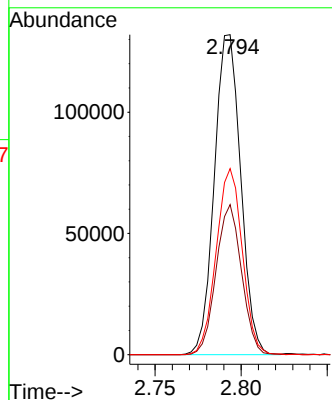
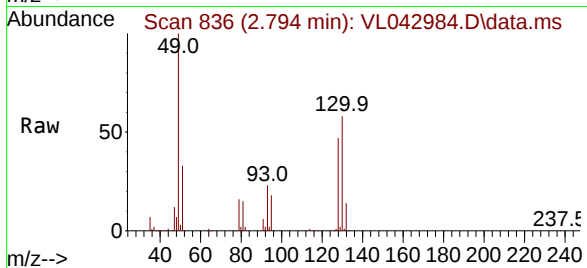




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042984.D
Acq: 23 Sep 2025 10:01

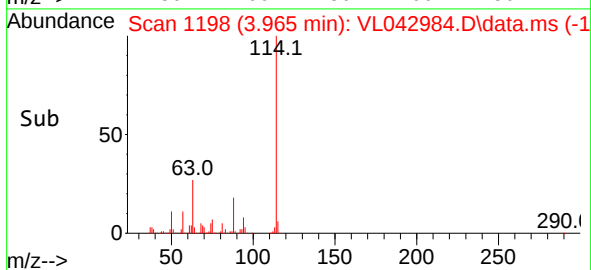
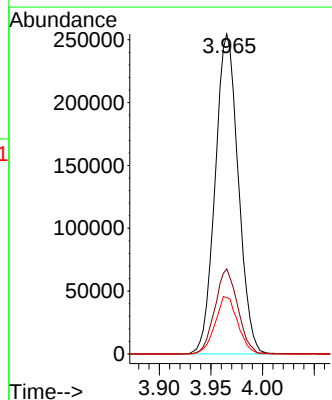
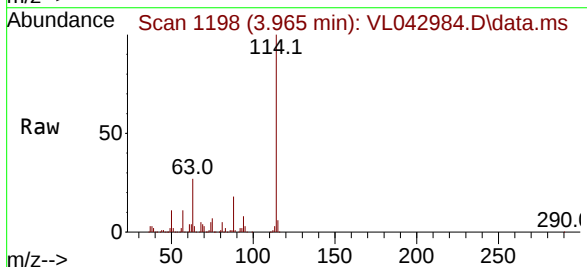
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABL01

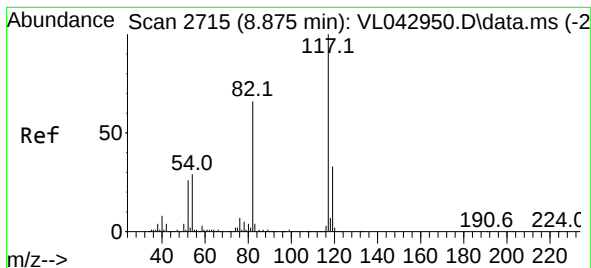
Tgt Ion: 49 Resp: 140749
Ion Ratio Lower Upper
49 100
128 45.4 22.9 68.8
130 57.7 29.1 87.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.013 min
Lab File: VL042984.D
Acq: 23 Sep 2025 10:01

Tgt Ion: 114 Resp: 395903
Ion Ratio Lower Upper
114 100
63 26.3 19.4 29.2
88 17.6 14.2 21.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL042984.D

Acq: 23 Sep 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABL01

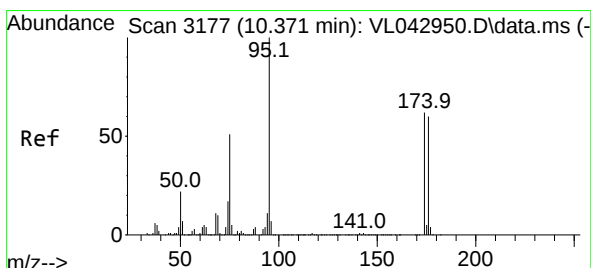
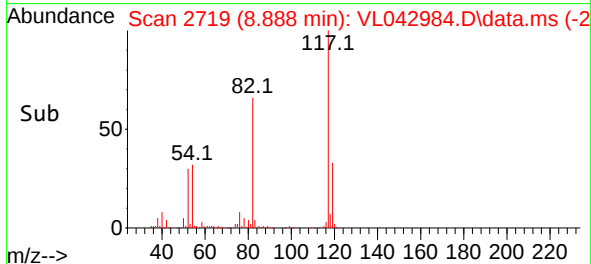
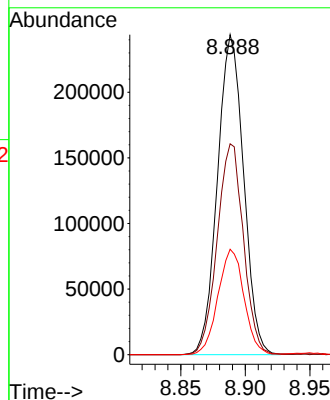
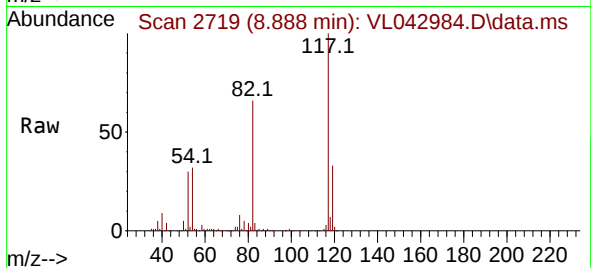
Tgt Ion:117 Resp: 343517

Ion Ratio Lower Upper

117 100

82 66.0 52.8 79.2

119 32.8 26.5 39.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.605 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.013 min

Lab File: VL042984.D

Acq: 23 Sep 2025 10:01

Tgt Ion: 95 Resp: 271935

Ion Ratio Lower Upper

95 100

174 60.4 51.4 77.2

175 4.6 4.0 6.0

