

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101625\
 Data File : VL043125.D
 Acq On : 16 Oct 2025 09:54
 Operator : SY/MD
 Sample : VL1016ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABL01

Quant Time: Oct 17 01:12:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	95388	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	298339	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	254156	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.377	95	205242	10.389	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.900%

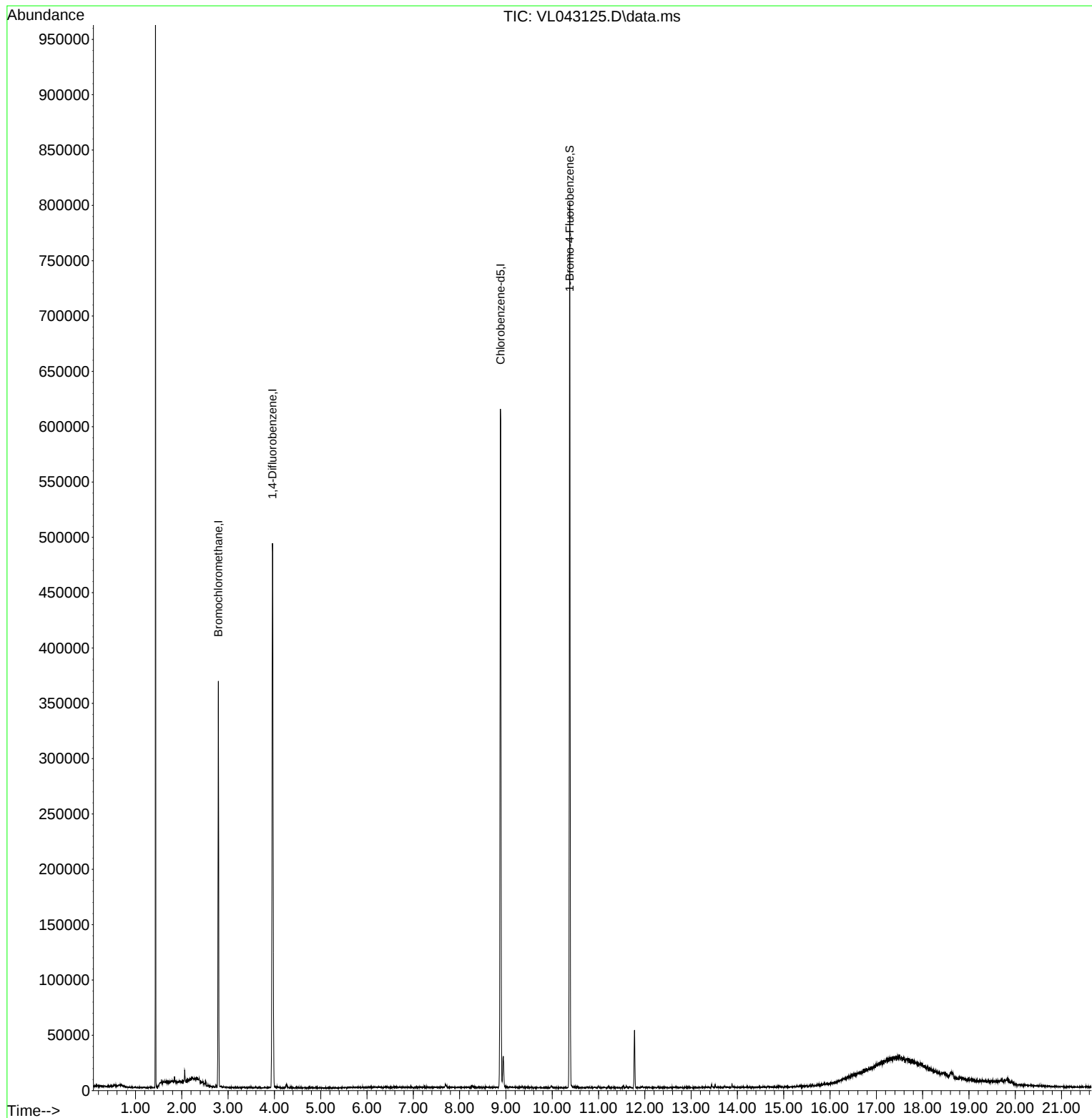
Target Compounds	Qvalue

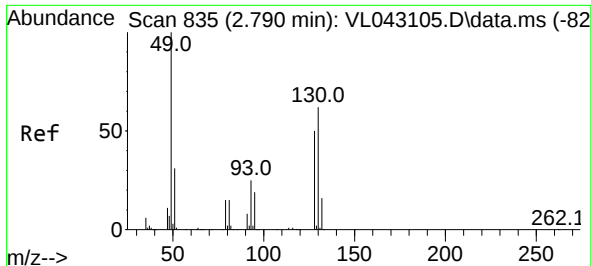
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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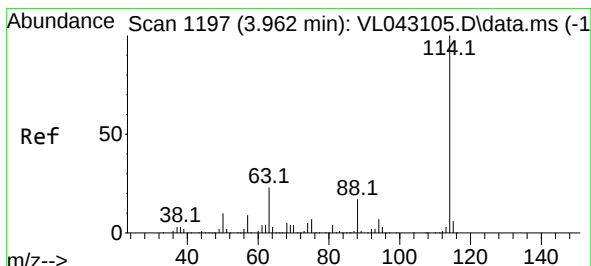
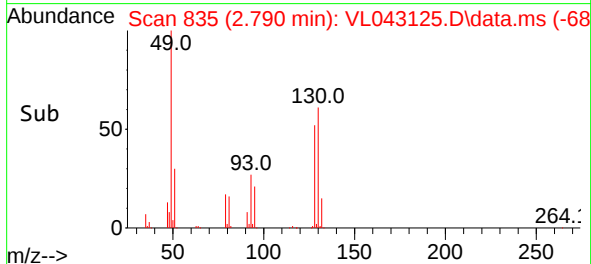
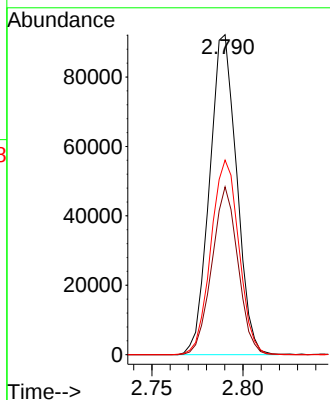
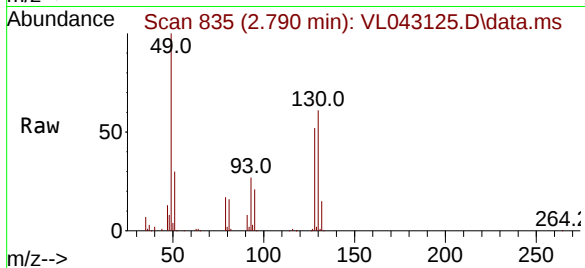




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL043125.D
 Acq: 16 Oct 2025 09:54

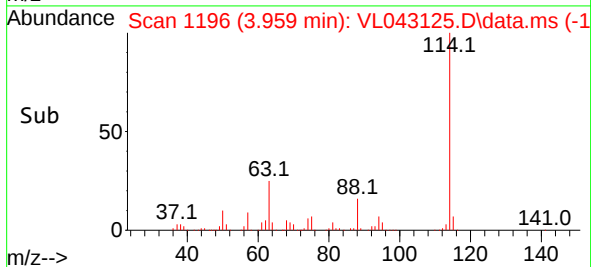
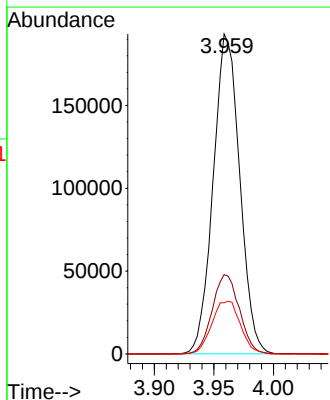
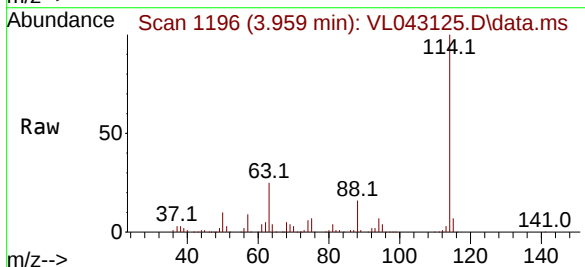
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABL01

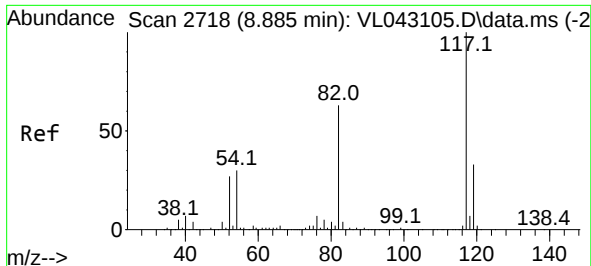
Tgt Ion: 49 Resp: 95388
 Ion Ratio Lower Upper
 49 100
 128 50.2 24.4 73.4
 130 62.7 31.0 93.0



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. -0.003 min
 Lab File: VL043125.D
 Acq: 16 Oct 2025 09:54

Tgt Ion: 114 Resp: 298339
 Ion Ratio Lower Upper
 114 100
 63 25.4 19.3 28.9
 88 17.9 13.9 20.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL043125.D

Acq: 16 Oct 2025 09:54

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABL01

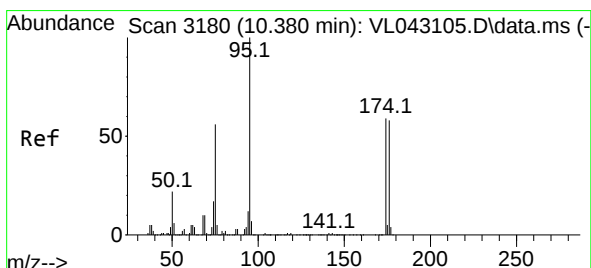
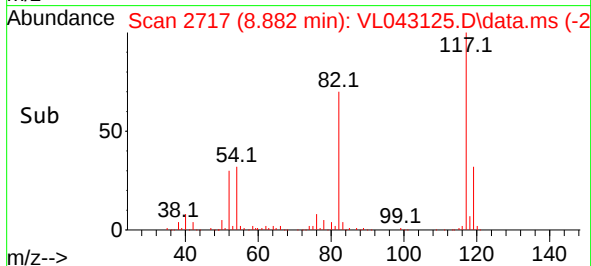
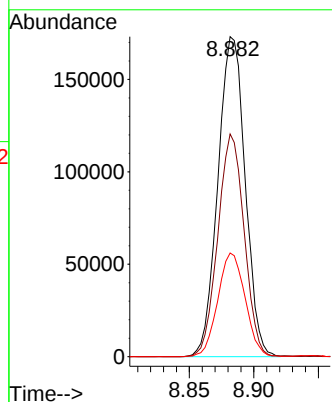
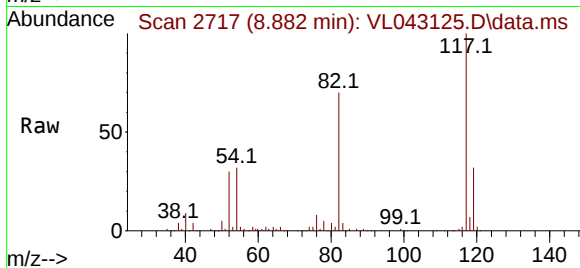
Tgt Ion:117 Resp: 254156

Ion Ratio Lower Upper

117 100

82 67.3 53.8 80.8

119 32.5 25.4 38.0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.389 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. -0.003 min

Lab File: VL043125.D

Acq: 16 Oct 2025 09:54

Tgt Ion: 95 Resp: 205242

Ion Ratio Lower Upper

95 100

174 58.1 48.3 72.5

175 4.3 3.8 5.8

