

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043055.D
 Acq On : 08 Oct 2025 09:39
 Operator : SY/MD
 Sample : VL1008ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABL01

Quant Time: Oct 09 01:13:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	180991	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.965	114	491665	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.891	117	390940	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	266462	9.462	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%

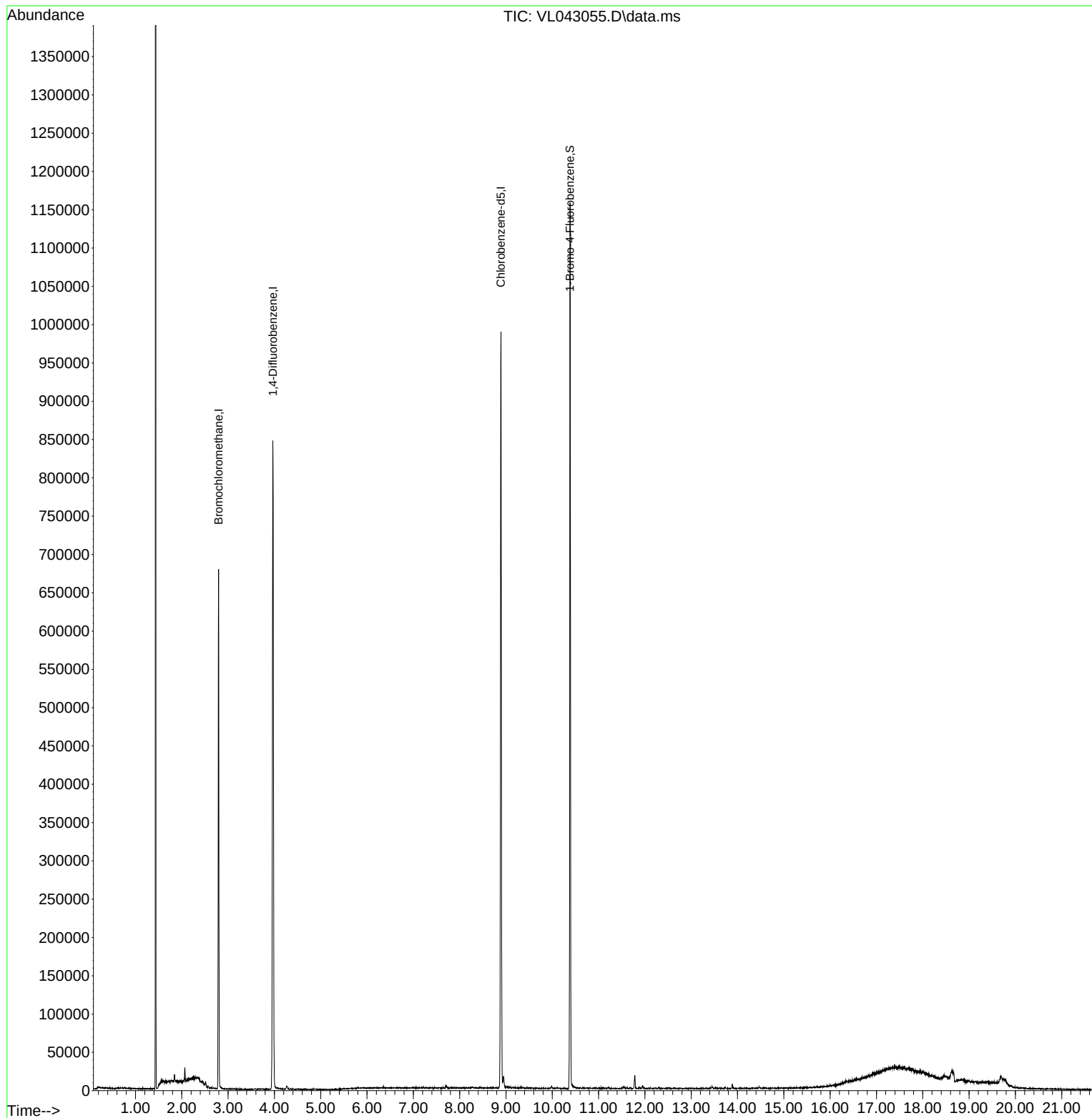
Target Compounds	Qvalue

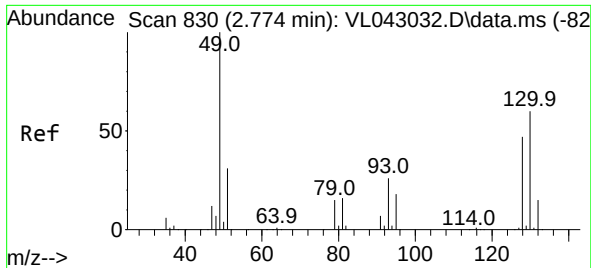
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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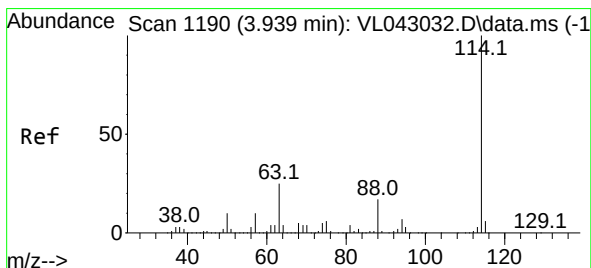
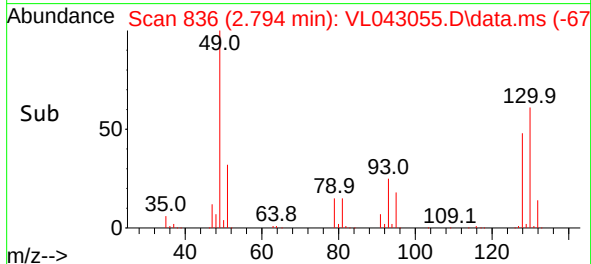
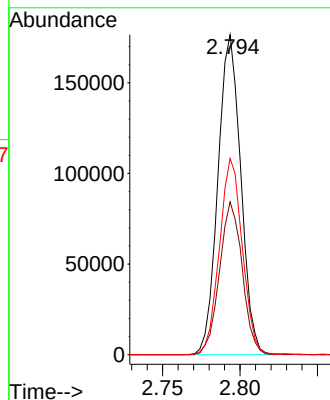
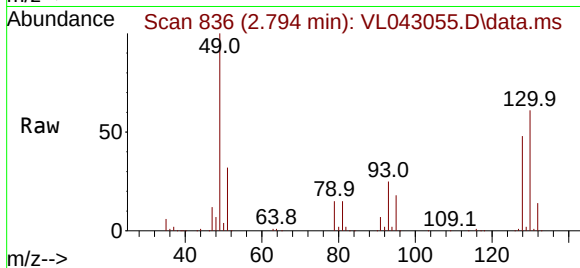




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.020 min
Lab File: VL043055.D
Acq: 08 Oct 2025 09:39

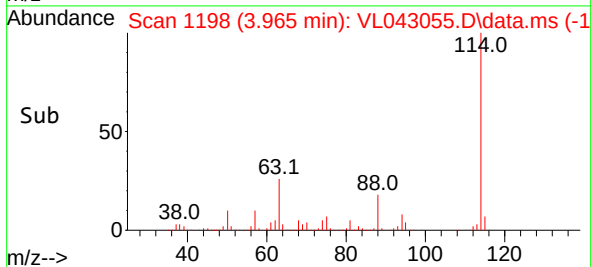
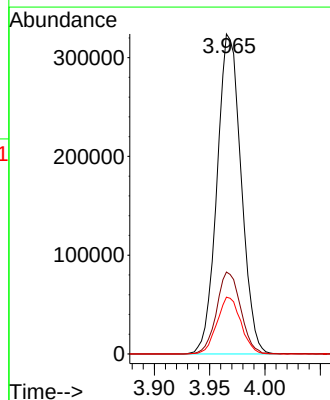
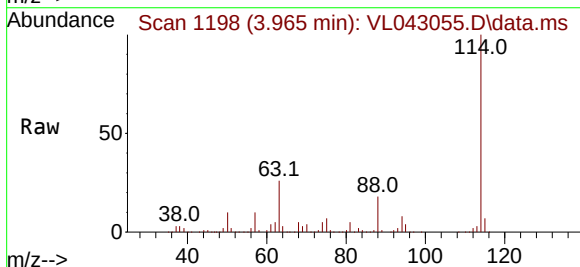
Instrument :
MSVOA_1
ClientSampleId :
VL1008ABL01

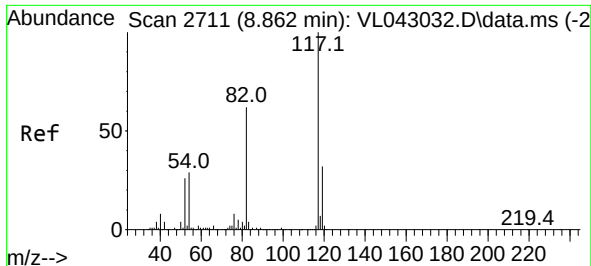
Tgt Ion: 49 Resp: 180991
Ion Ratio Lower Upper
49 100
128 47.5 24.1 72.2
130 61.6 31.4 94.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.026 min
Lab File: VL043055.D
Acq: 08 Oct 2025 09:39

Tgt Ion: 114 Resp: 491665
Ion Ratio Lower Upper
114 100
63 25.6 19.4 29.2
88 17.5 13.9 20.9

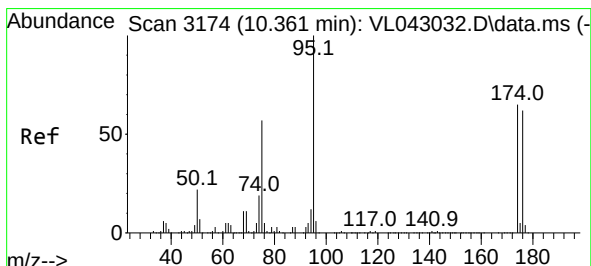
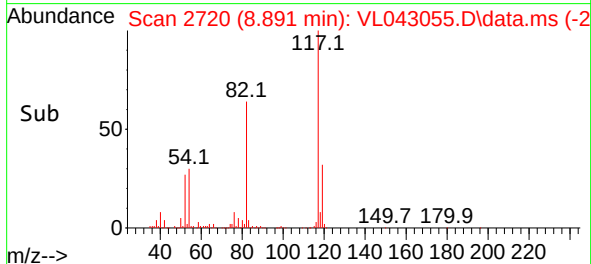
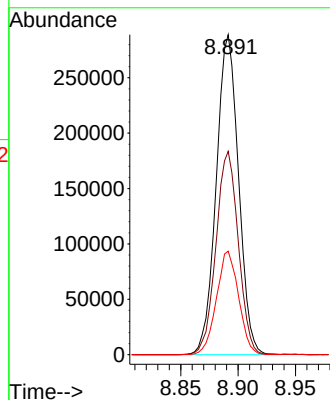
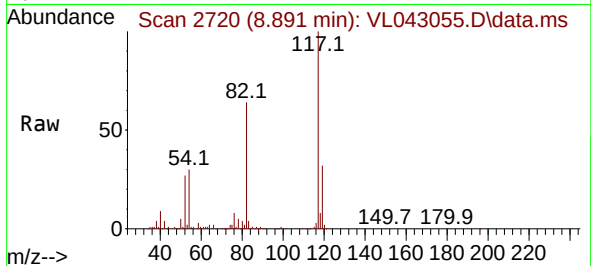




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL043055.D
Acq: 08 Oct 2025 09:39

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABL01

Tgt Ion:117 Resp: 390940
Ion Ratio Lower Upper
117 100
82 63.8 53.0 79.6
119 32.3 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.462 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.023 min
Lab File: VL043055.D
Acq: 08 Oct 2025 09:39

Tgt Ion: 95 Resp: 266462
Ion Ratio Lower Upper
95 100
174 66.4 52.3 78.5
175 4.8 3.8 5.8

