

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043309.D
 Acq On : 08 Dec 2025 11:44
 Operator : SY/MD
 Sample : QC120325 CAN 10606
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC120325 CAN 10606

Quant Time: Dec 09 00:10:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	146536	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	379911	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	306129	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	224297	9.996	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%

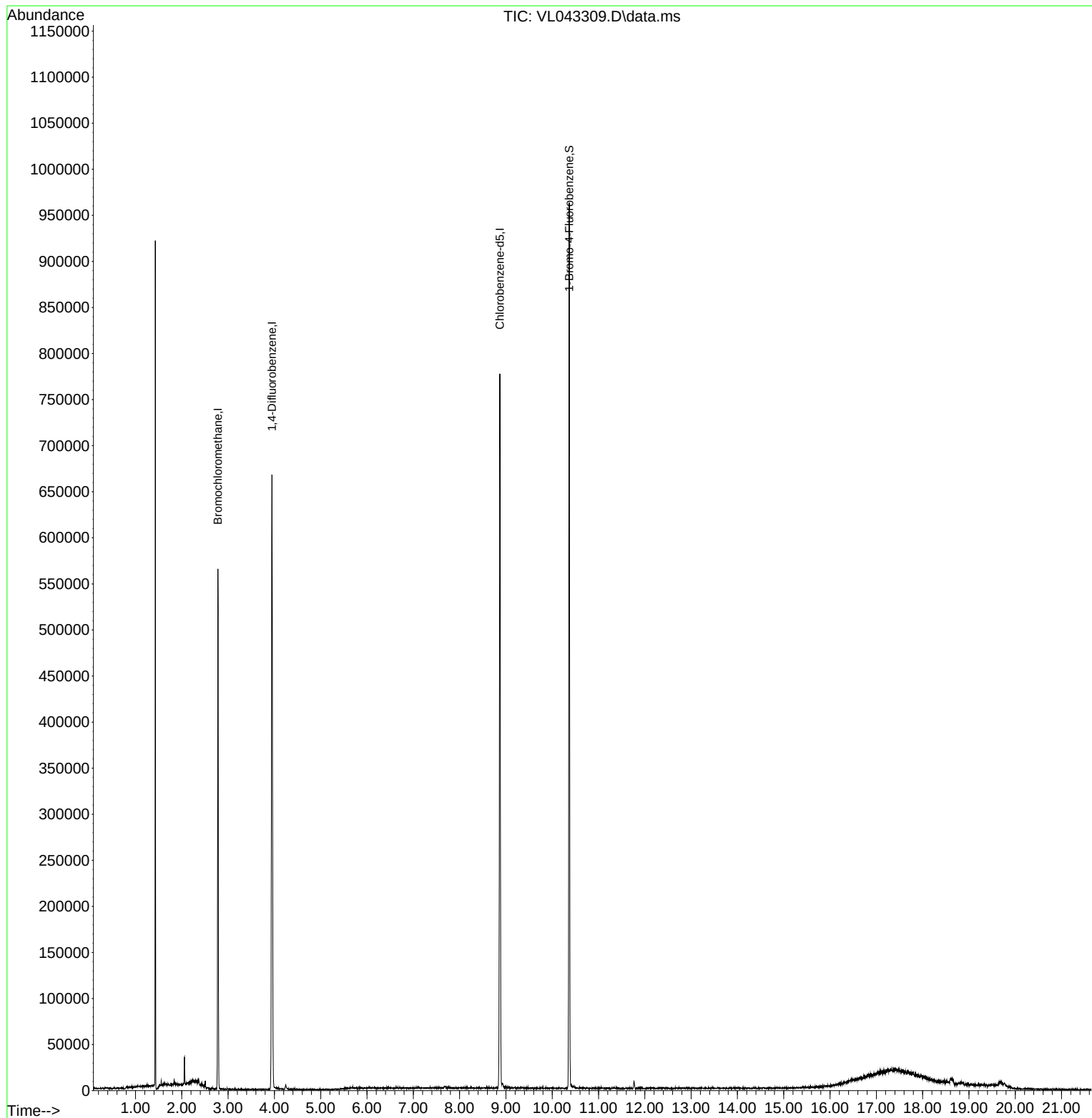
Target Compounds	Qvalue

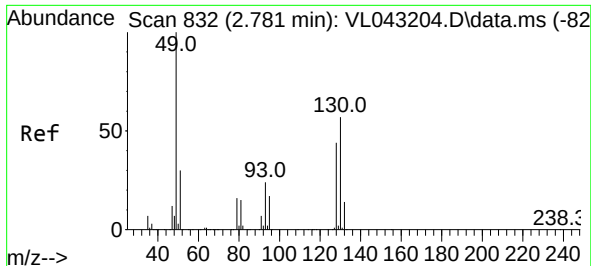
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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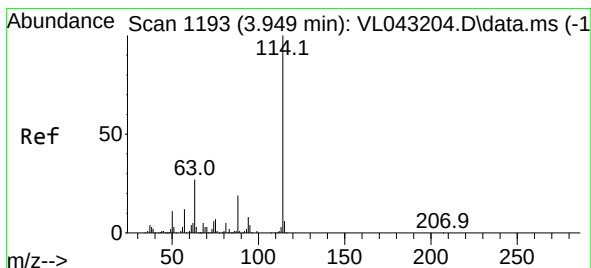
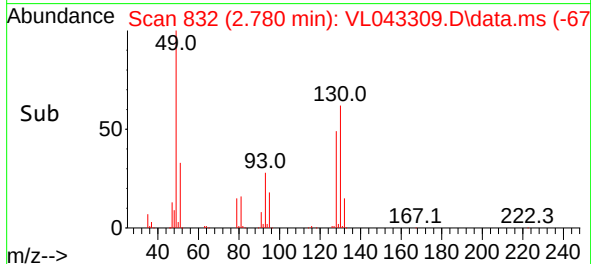
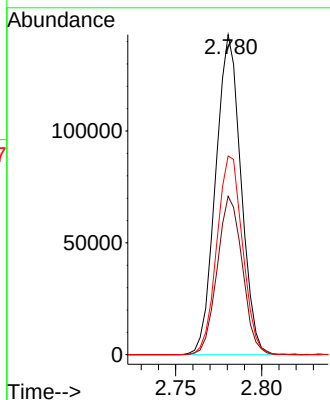
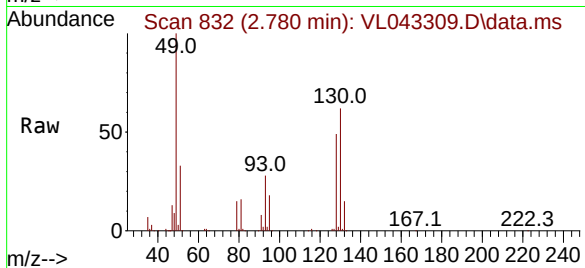




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043309.D
Acq: 08 Dec 2025 11:44

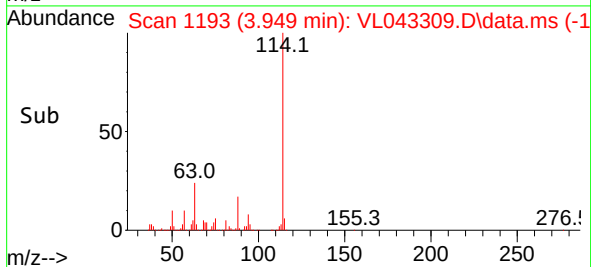
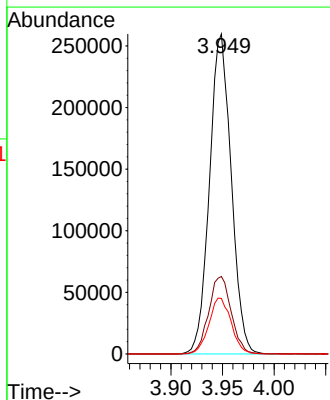
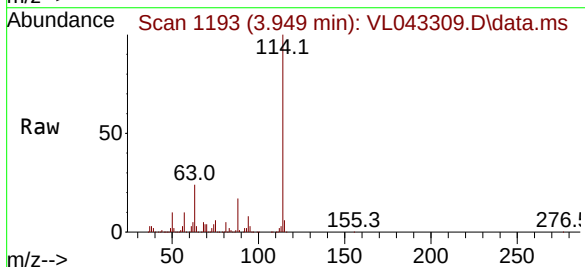
Instrument :
MSVOA_L
ClientSampleId :
QC120325 CAN 10606

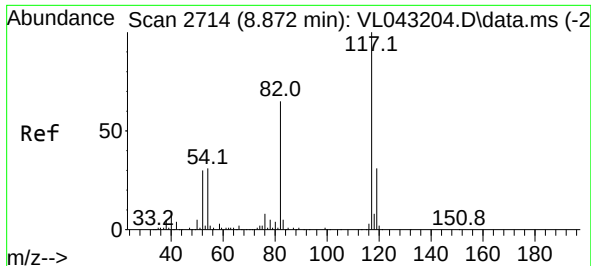
Tgt Ion: 49 Resp: 146536
Ion Ratio Lower Upper
49 100
128 49.0 23.0 69.0
130 63.1 29.9 89.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VL043309.D
Acq: 08 Dec 2025 11:44

Tgt Ion: 114 Resp: 379911
Ion Ratio Lower Upper
114 100
63 25.2 21.0 31.6
88 17.9 14.9 22.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.869 min Scan# 21

Delta R.T. -0.004 min

Lab File: VL043309.D

Acq: 08 Dec 2025 11:44

Instrument :

MSVOA_1

ClientSampleId :

QC120325 CAN 10606

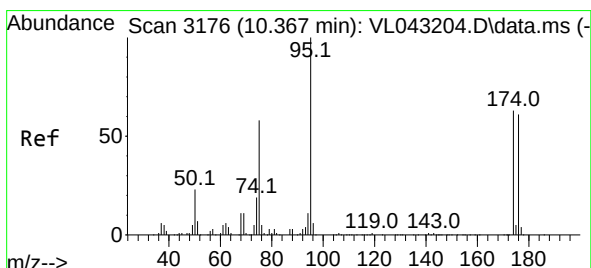
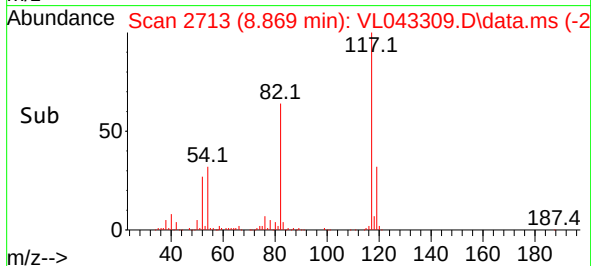
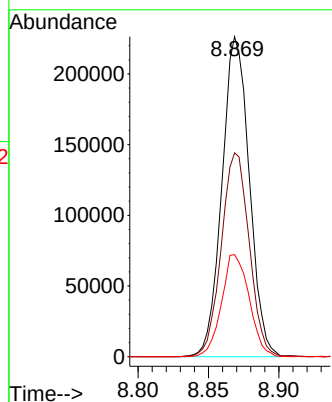
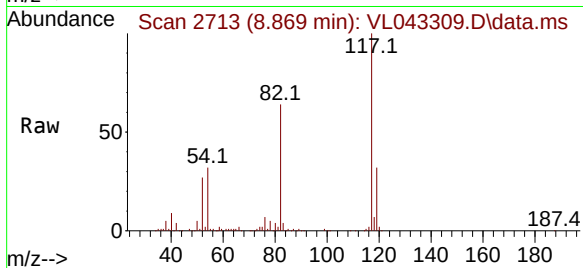
Tgt Ion:117 Resp: 306129

Ion Ratio Lower Upper

117 100

82 65.1 56.1 84.1

119 32.3 25.0 37.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.996 ppbv

RT: 10.367 min Scan# 3176

Delta R.T. -0.000 min

Lab File: VL043309.D

Acq: 08 Dec 2025 11:44

Tgt Ion: 95 Resp: 224297

Ion Ratio Lower Upper

95 100

174 67.5 50.2 75.2

175 4.8 4.1 6.1

