

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
 Data File : VL043156.D
 Acq On : 06 Nov 2025 08:02
 Operator : SY/MD
 Sample : VL1106ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1106ABL01

Quant Time: Nov 07 00:17:11 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	2.787	49	111463	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	342563	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	292913	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	222345	9.766	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%

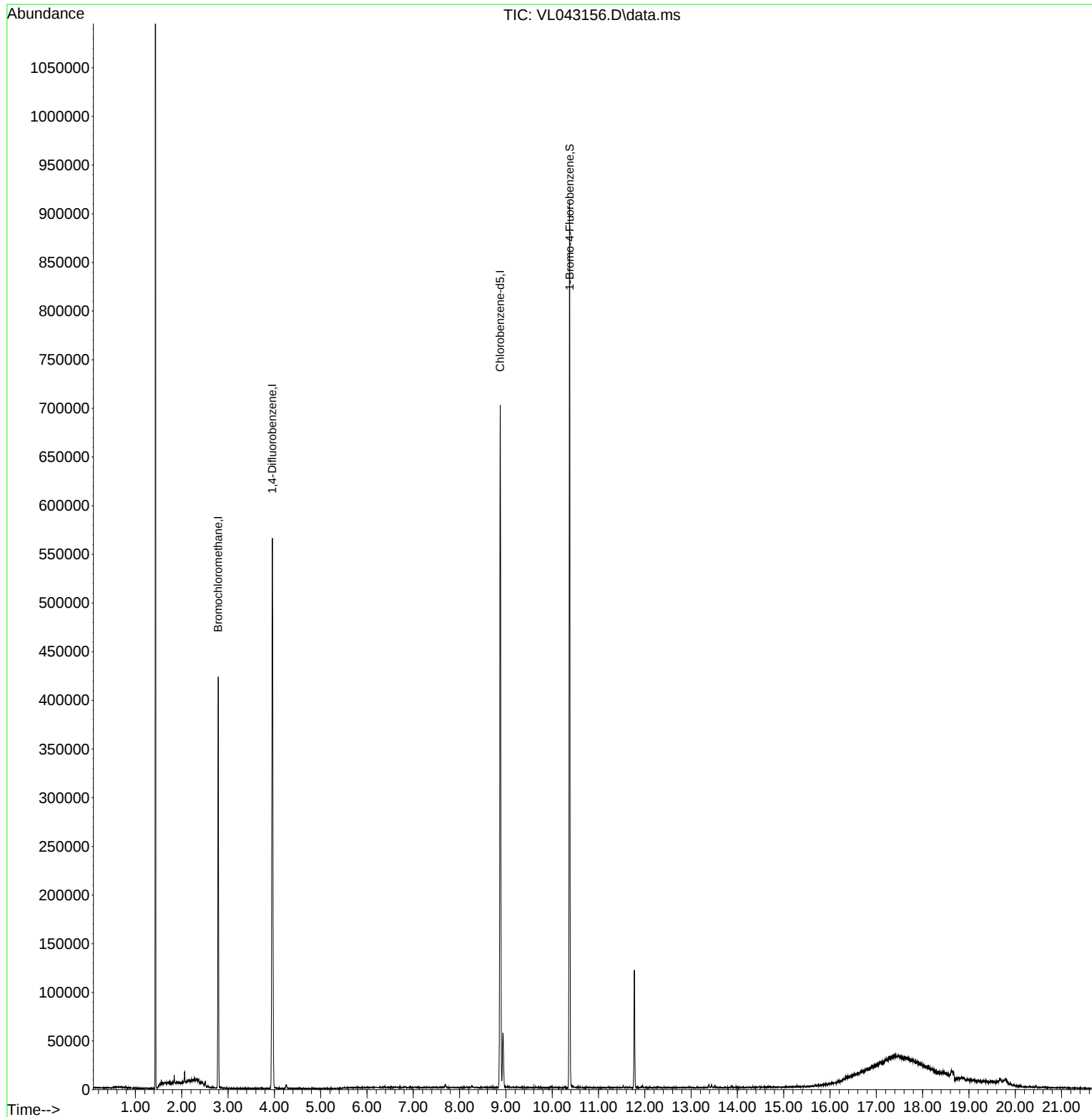
Target Compounds	Qvalue

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

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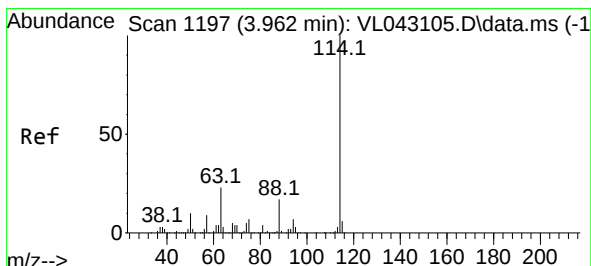
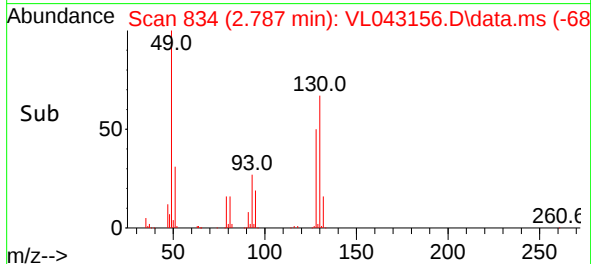
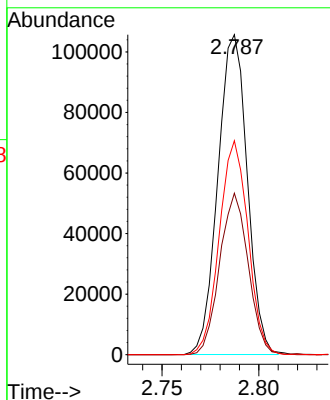
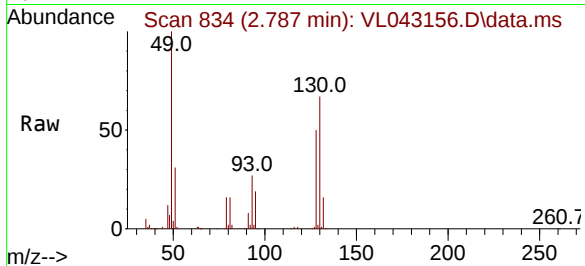




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043156.D
Acq: 06 Nov 2025 08:02

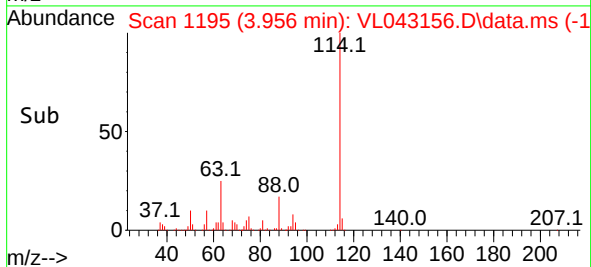
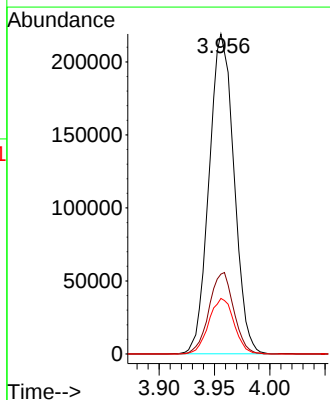
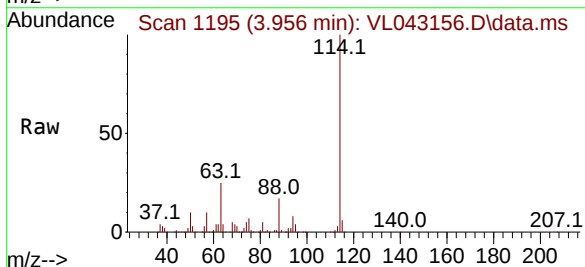
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABL01

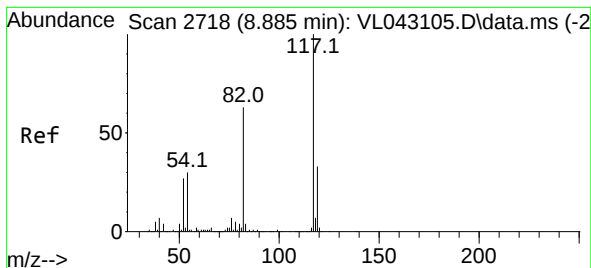
Tgt Ion: 49 Resp: 111463
Ion Ratio Lower Upper
49 100
128 49.0 24.4 73.4
130 65.5 31.0 93.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. -0.006 min
Lab File: VL043156.D
Acq: 06 Nov 2025 08:02

Tgt Ion: 114 Resp: 342563
Ion Ratio Lower Upper
114 100
63 25.3 19.3 28.9
88 17.6 13.9 20.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL043156.D

Acq: 06 Nov 2025 08:02

Instrument :

MSVOA_1

ClientSampleId :

VL1106ABL01

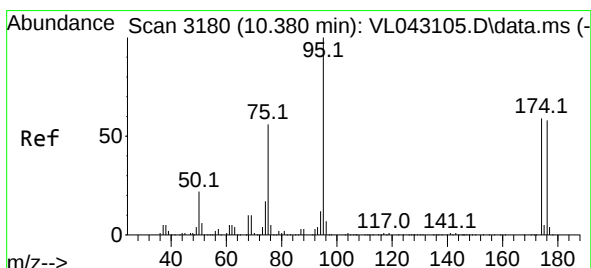
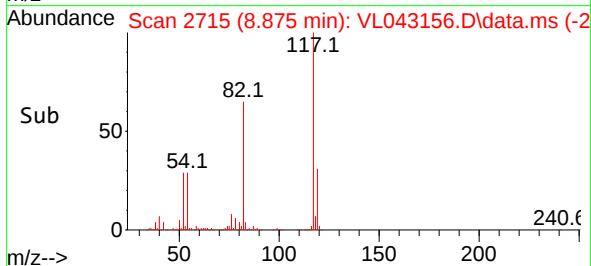
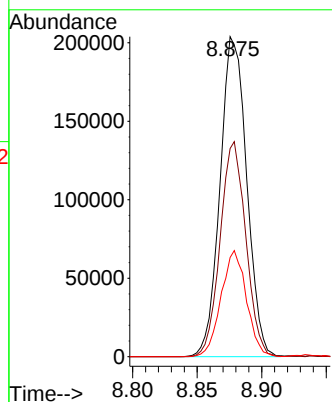
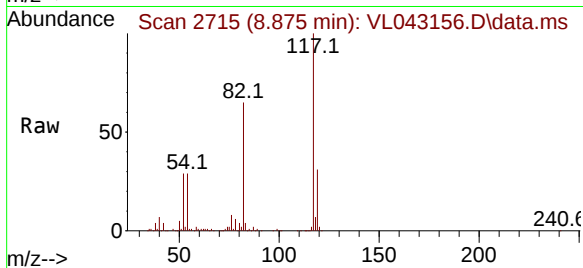
Tgt Ion:117 Resp: 292913

Ion Ratio Lower Upper

117 100

82 64.7 53.8 80.8

119 31.8 25.4 38.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.766 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.006 min

Lab File: VL043156.D

Acq: 06 Nov 2025 08:02

Tgt Ion: 95 Resp: 222345

Ion Ratio Lower Upper

95 100

174 65.2 48.3 72.5

175 4.8 3.8 5.8

