

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043212.D
 Acq On : 18 Nov 2025 14:41
 Operator : SY/MD
 Sample : VL1118ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABL01

Quant Time: Nov 19 01:34:47 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	2.787	49	95971	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	262557	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	209184	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.374	95	153824	10.032	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

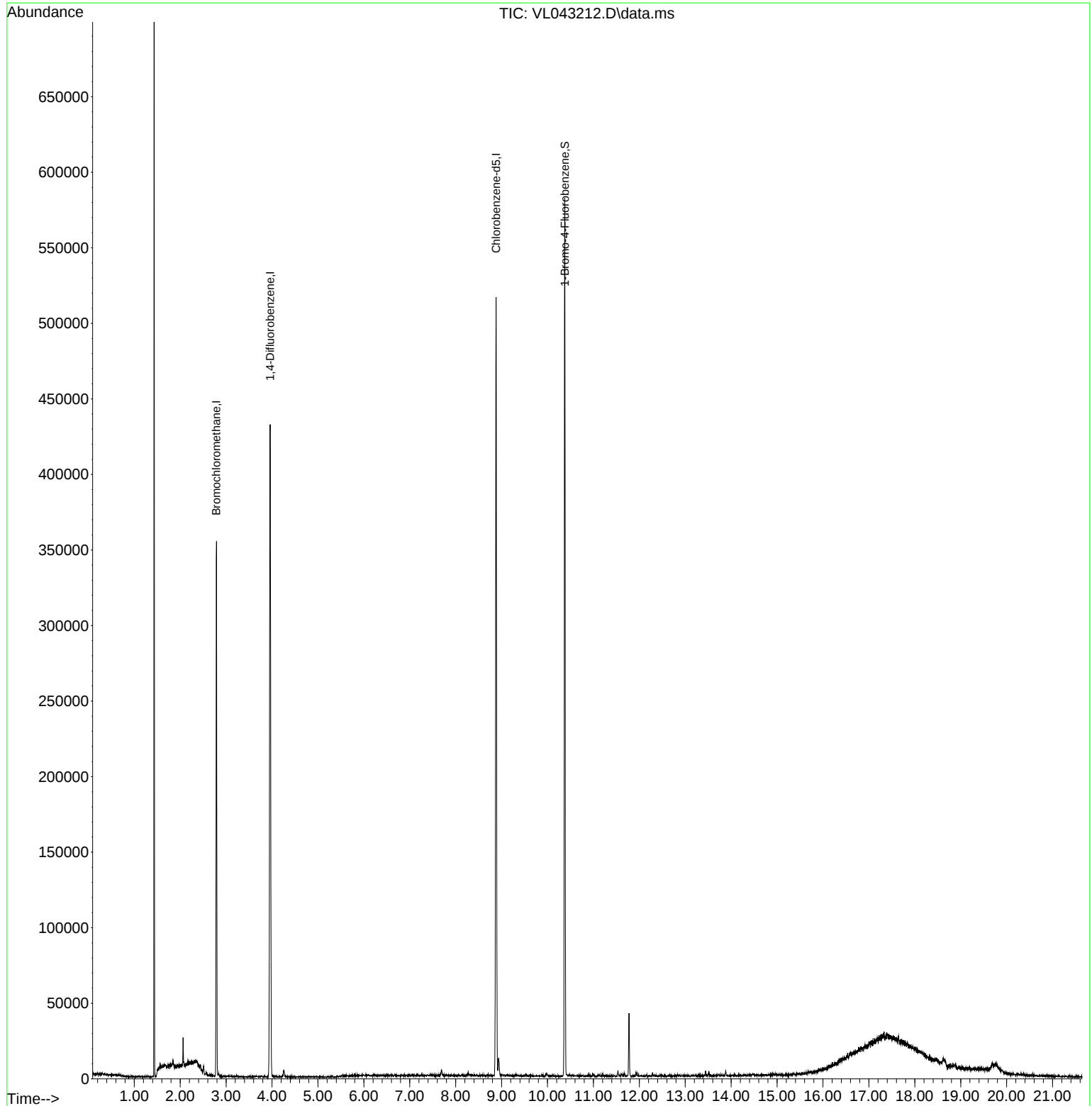
Target Compounds	Qvalue

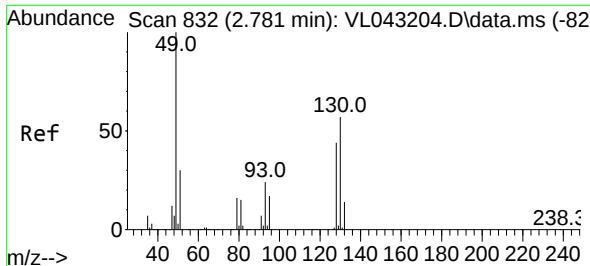
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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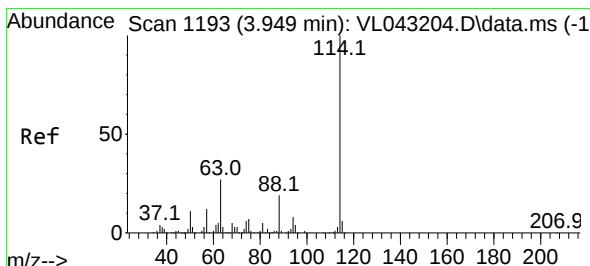
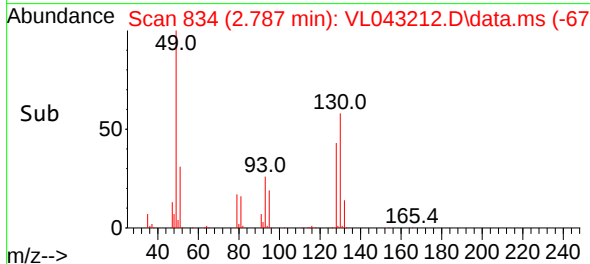
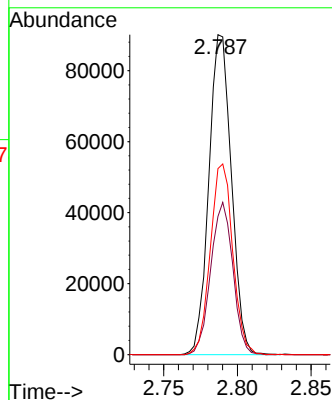
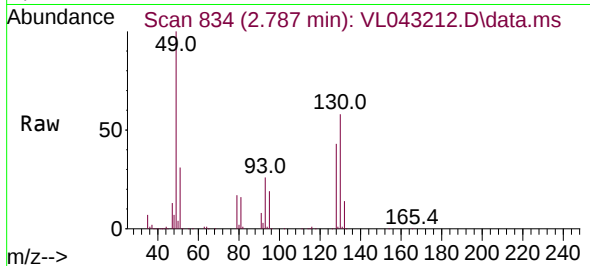




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 832
Delta R.T. 0.006 min
Lab File: VL043212.D
Acq: 18 Nov 2025 14:41

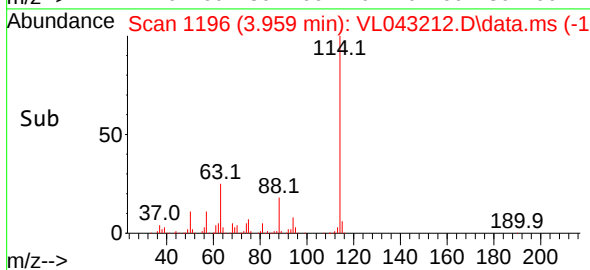
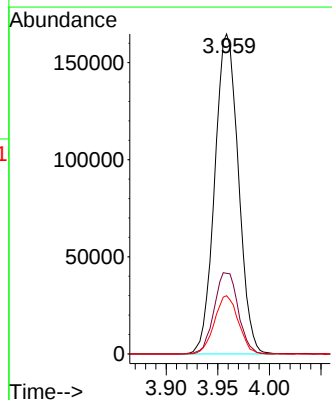
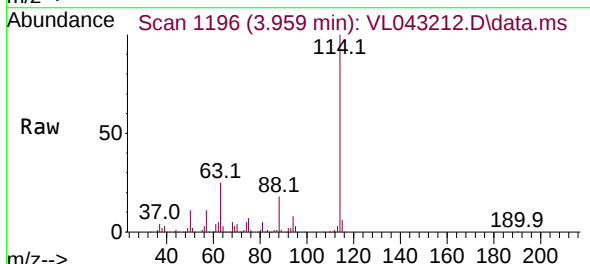
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABL01

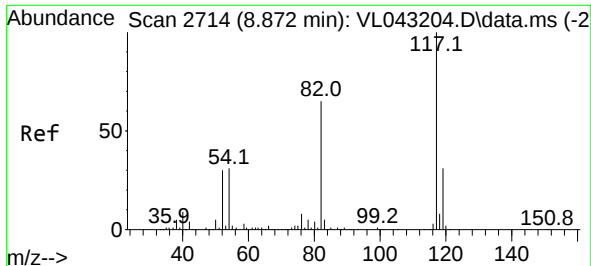
Tgt Ion: 49 Resp: 95971
Ion Ratio Lower Upper
49 100
128 46.6 23.0 69.0
130 59.3 29.9 89.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.009 min
Lab File: VL043212.D
Acq: 18 Nov 2025 14:41

Tgt Ion: 114 Resp: 262557
Ion Ratio Lower Upper
114 100
63 25.8 21.0 31.6
88 18.3 14.9 22.3

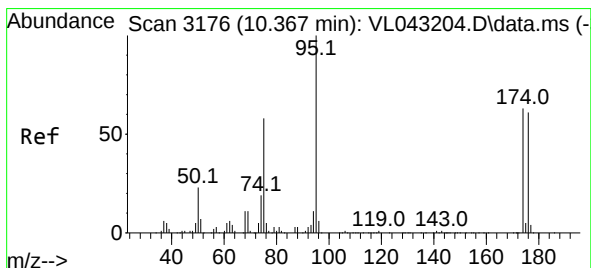
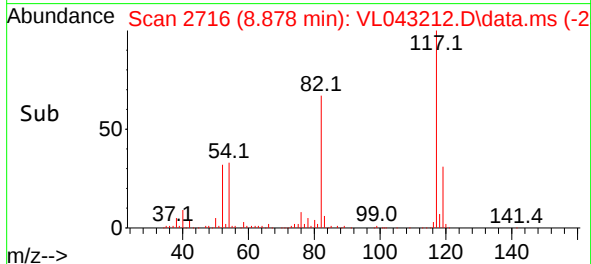
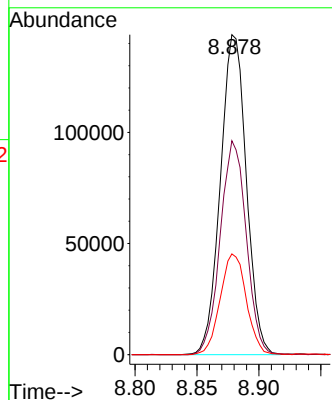
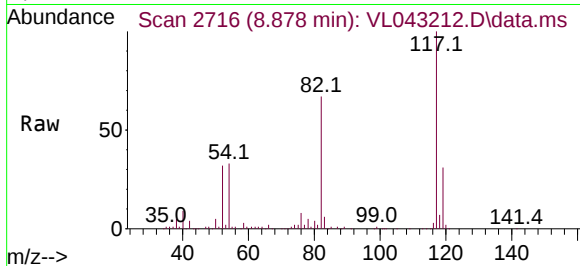




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043212.D
Acq: 18 Nov 2025 14:41

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABL01

Tgt Ion:117 Resp: 209184
Ion Ratio Lower Upper
117 100
82 67.0 56.1 84.1
119 31.7 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 10.032 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.006 min
Lab File: VL043212.D
Acq: 18 Nov 2025 14:41

Tgt Ion: 95 Resp: 153824
Ion Ratio Lower Upper
95 100
174 61.2 50.2 75.2
175 4.6 4.1 6.1

