

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
 Data File : VL043293.D
 Acq On : 02 Dec 2025 10:19
 Operator : SY/MD
 Sample : VL1202ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABL01

Quant Time: Dec 03 00:04:47 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	2.790	49	125081	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	325973	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.885	117	249315	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	171944	9.409	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.100%

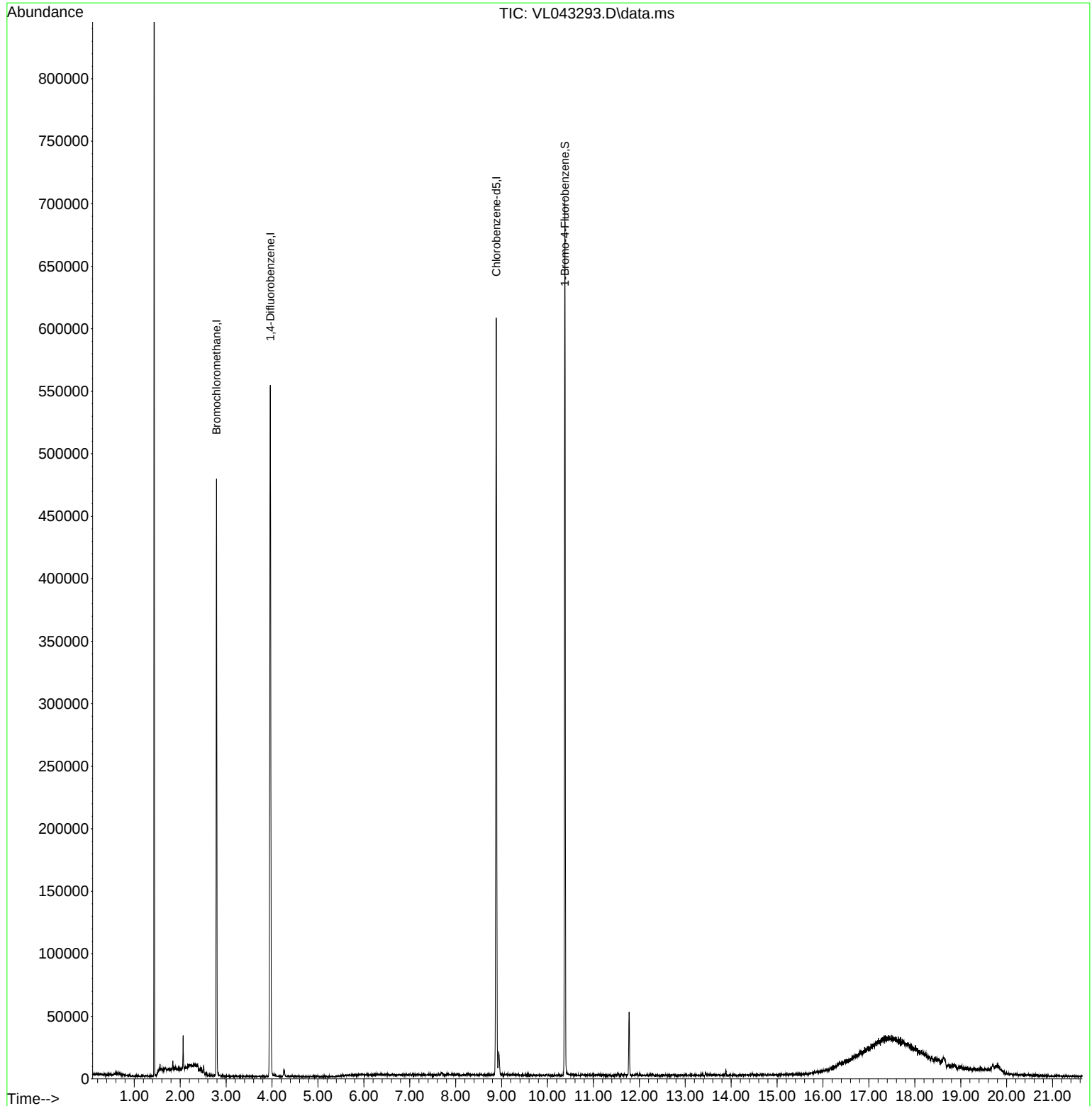
Target Compounds	Qvalue

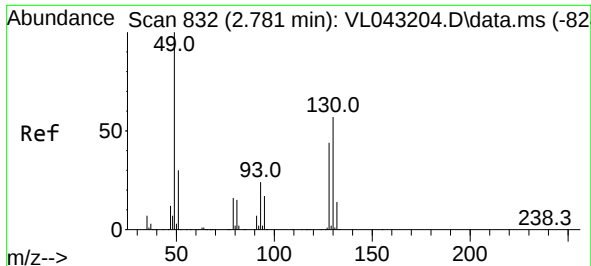
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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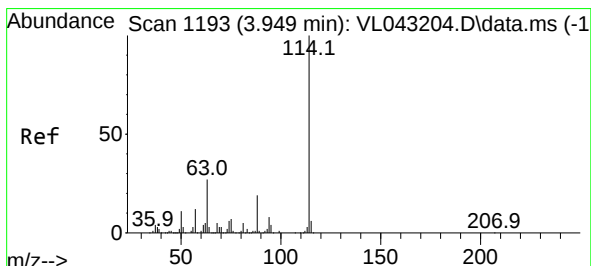
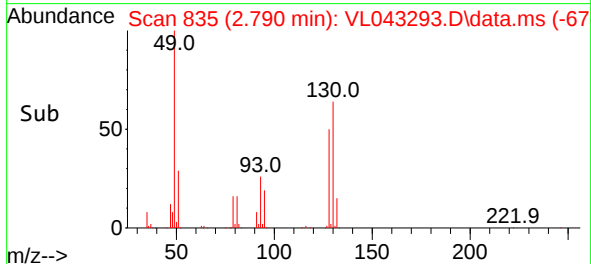
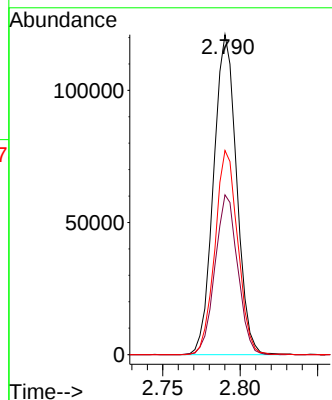
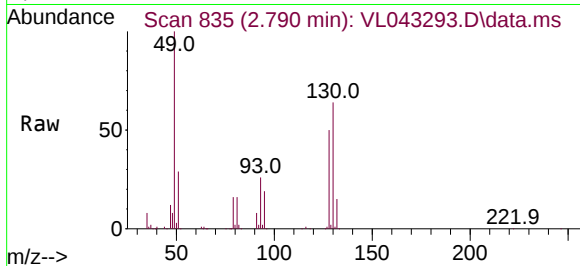




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 832
 Delta R.T. 0.009 min
 Lab File: VL043293.D
 Acq: 02 Dec 2025 10:19

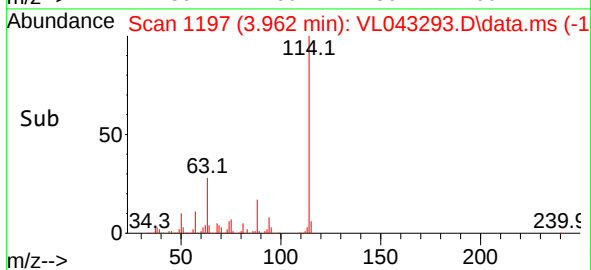
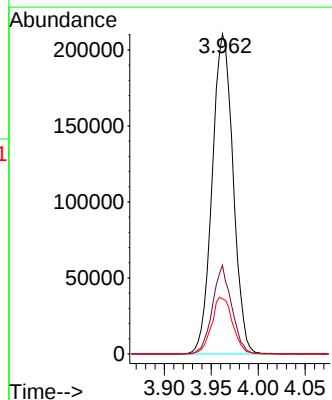
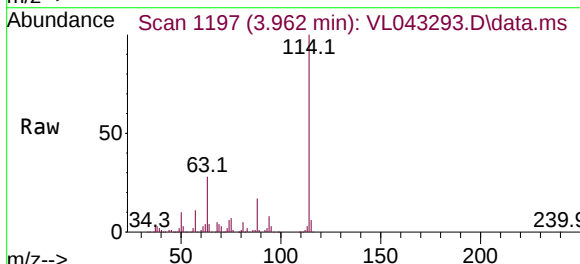
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABL01

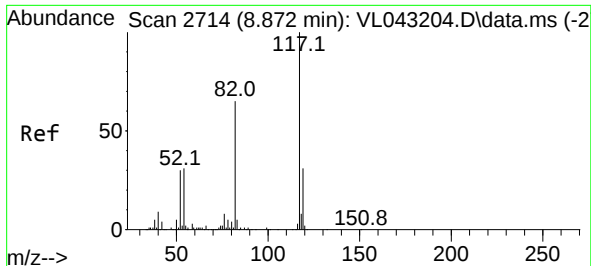
Tgt Ion: 49 Resp: 125081
 Ion Ratio Lower Upper
 49 100
 128 49.2 23.0 69.0
 130 63.3 29.9 89.7



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. 0.013 min
 Lab File: VL043293.D
 Acq: 02 Dec 2025 10:19

Tgt Ion: 114 Resp: 325973
 Ion Ratio Lower Upper
 114 100
 63 25.4 21.0 31.6
 88 17.7 14.9 22.3

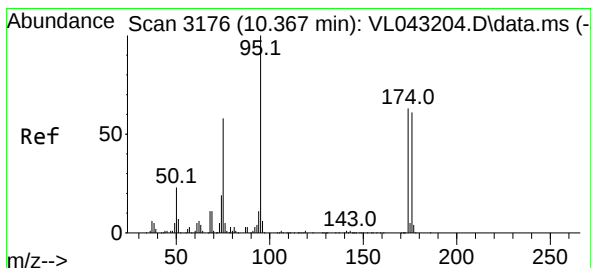
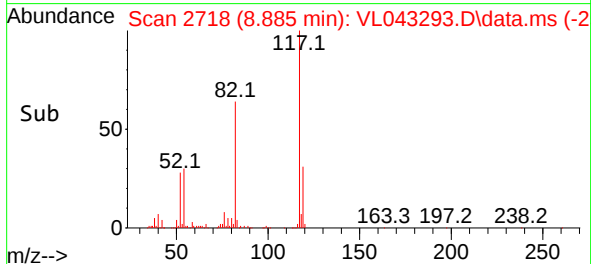
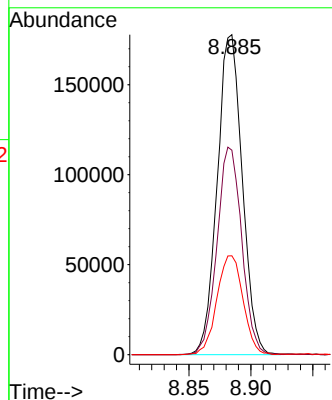
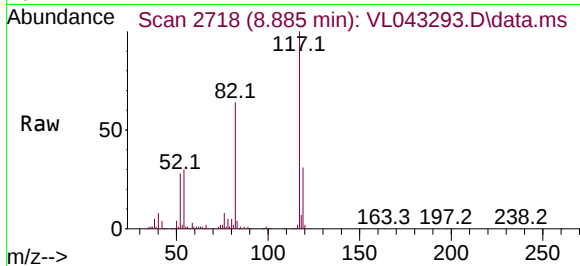




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043293.D
Acq: 02 Dec 2025 10:19

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABL01

Tgt Ion:117 Resp: 249315
Ion Ratio Lower Upper
117 100
82 64.2 56.1 84.1
119 32.5 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.409 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.009 min
Lab File: VL043293.D
Acq: 02 Dec 2025 10:19

Tgt Ion: 95 Resp: 171944
Ion Ratio Lower Upper
95 100
174 66.8 50.2 75.2
175 5.2 4.1 6.1

