

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042901.D
 Acq On : 08 Sep 2025 11:55
 Operator : SY/MD
 Sample : VL0908ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABL01

Quant Time: Sep 09 00:55:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	141293	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	355217	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	298537	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.374	95	227668	10.169	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%

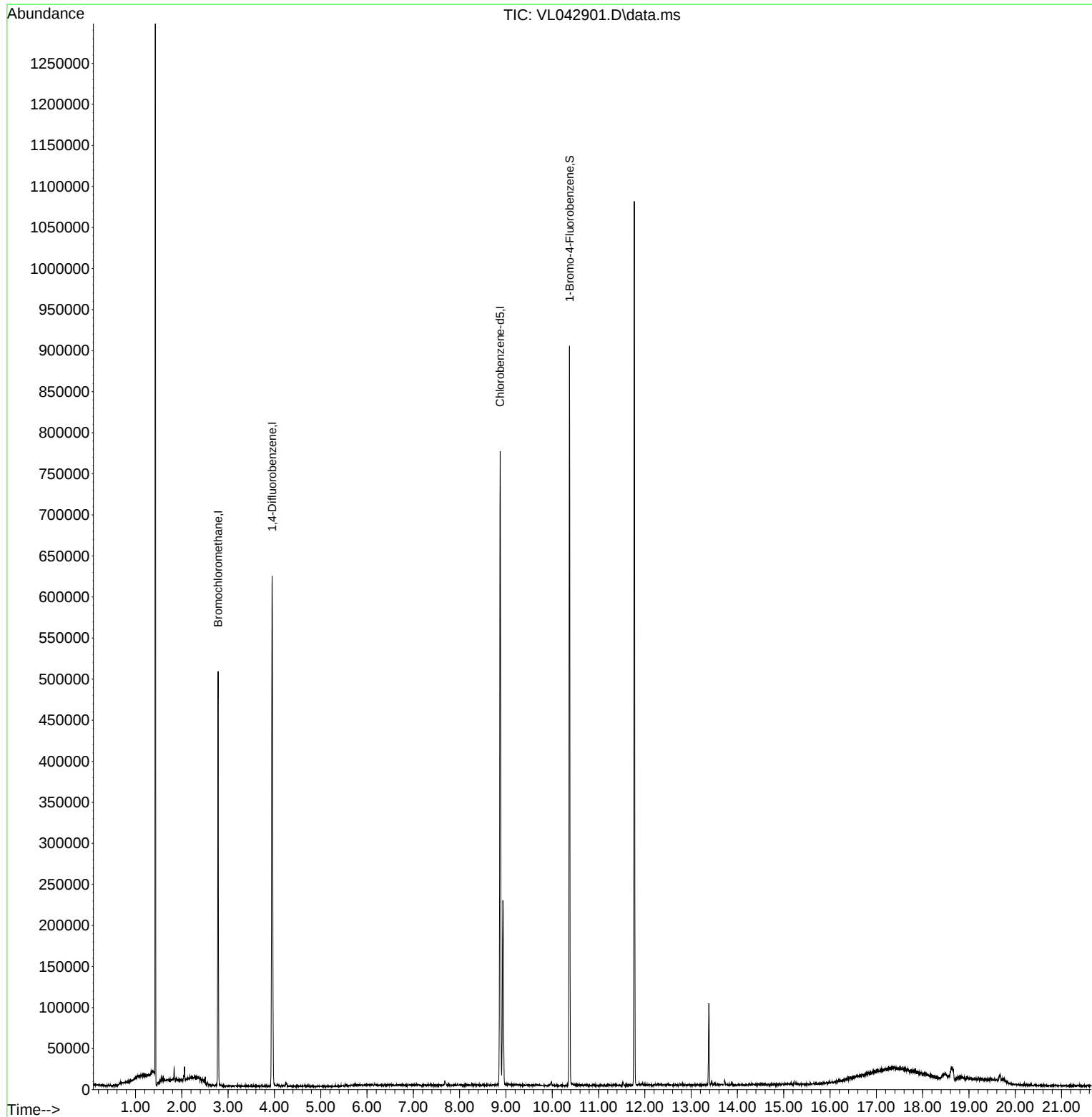
Target Compounds	Qvalue

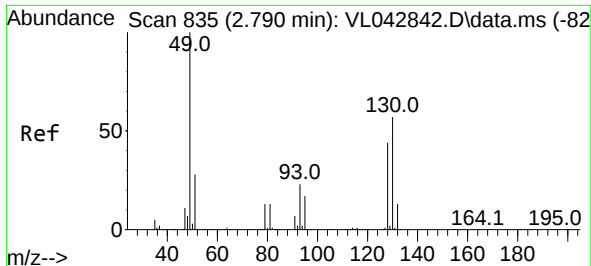
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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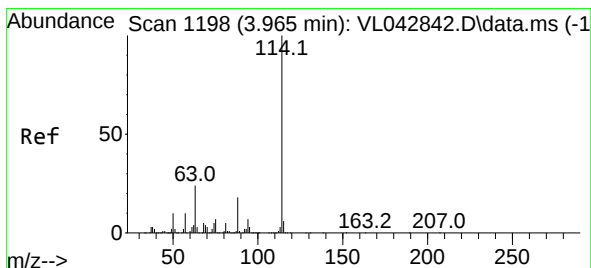
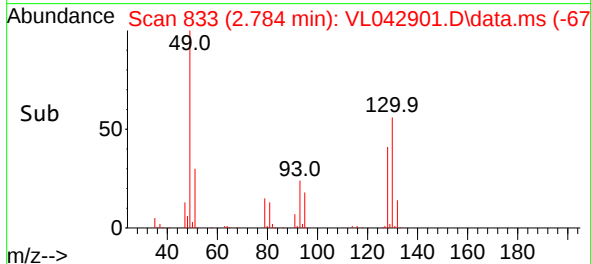
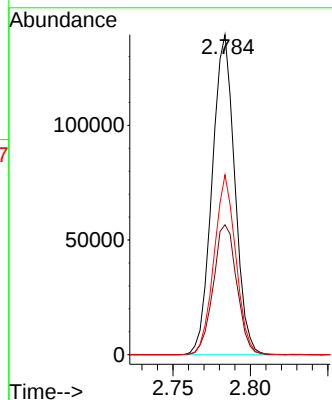
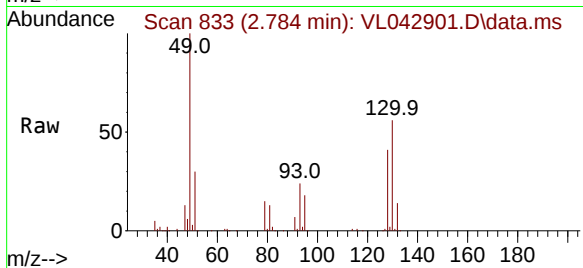




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

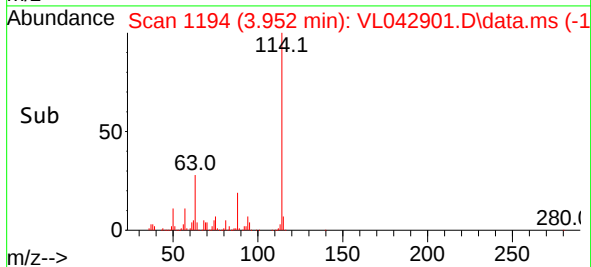
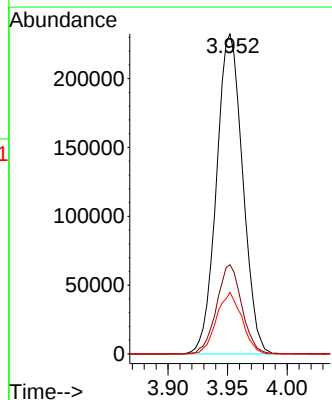
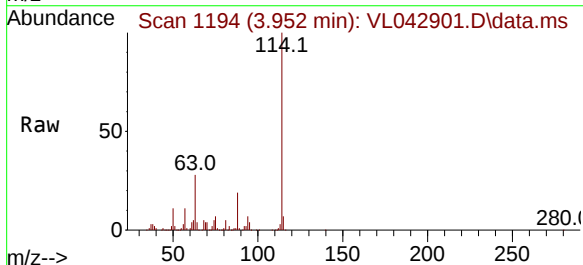
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABL01

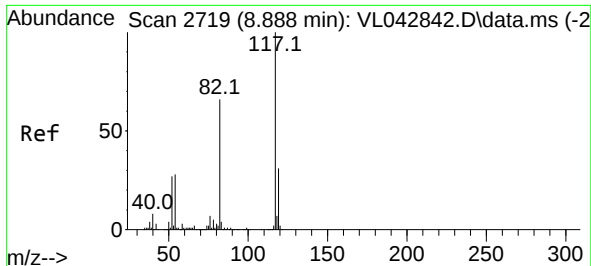
Tgt Ion: 49 Resp: 141293
Ion Ratio Lower Upper
49 100
128 42.4 23.7 71.1
130 54.2 30.6 91.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.009 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

Tgt Ion: 114 Resp: 355217
Ion Ratio Lower Upper
114 100
63 26.9 19.7 29.5
88 18.7 14.4 21.6

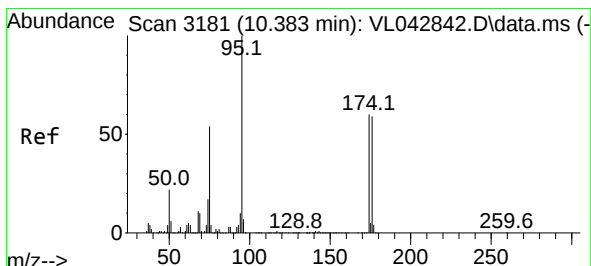
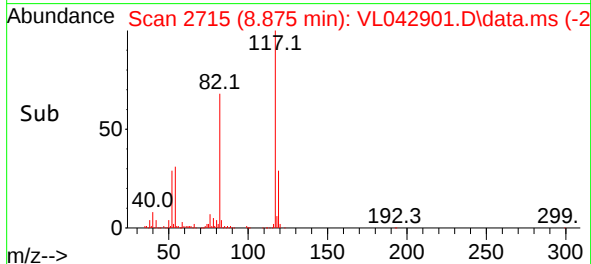
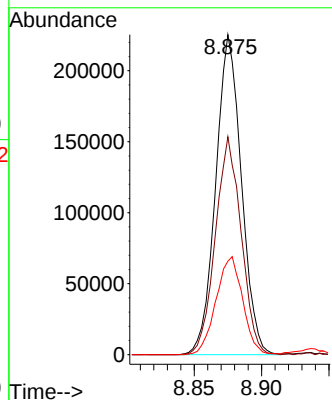
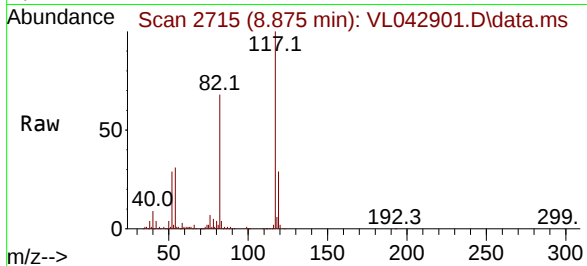




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABL01

Tgt Ion:117 Resp: 298537
Ion Ratio Lower Upper
117 100
82 68.4 54.6 81.8
119 31.8 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.169 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.009 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

Tgt Ion: 95 Resp: 227668
Ion Ratio Lower Upper
95 100
174 55.5 48.4 72.6
175 3.9 3.8 5.8

