

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042912.D
 Acq On : 08 Sep 2025 20:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 09 00:59:54 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)

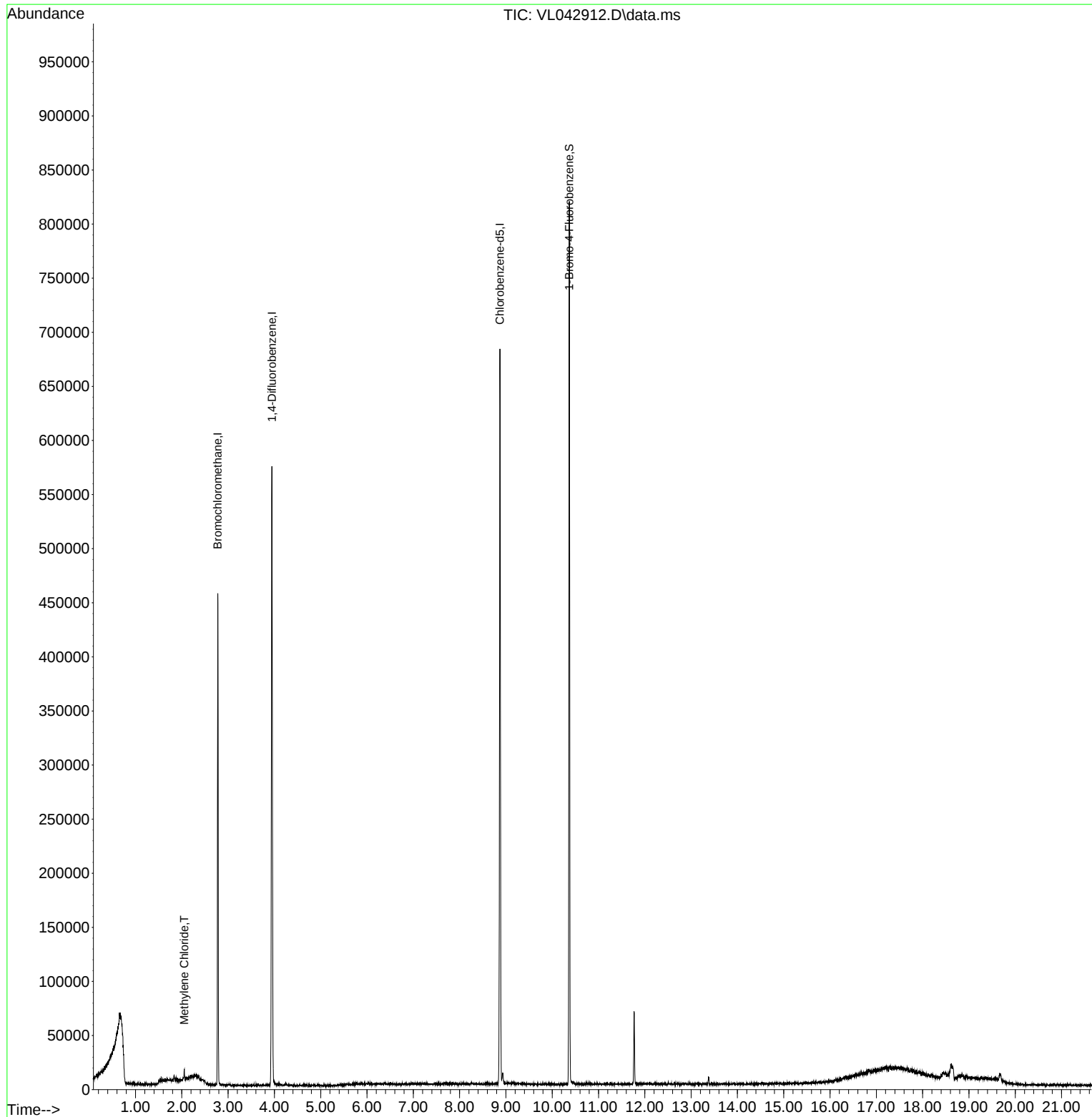
Internal Standards						
1) Bromochloromethane	2.777	49	130818	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	309319	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.868	117	268276	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	196780	9.780	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
20) Methylene Chloride	2.055	84	1364	0.188	ppbv	Qvalue # 80

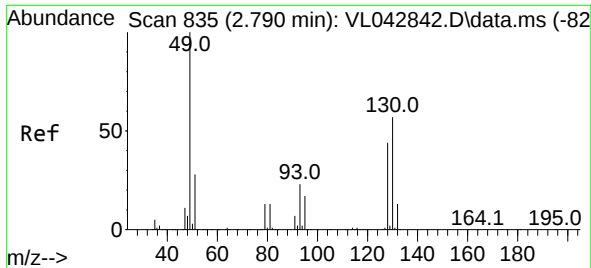
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.777 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042912.D

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MSVOA_L

ClientSampleId :

VIBLK

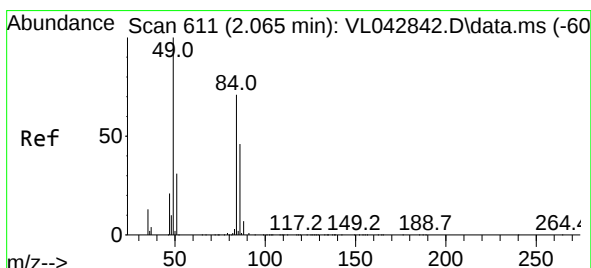
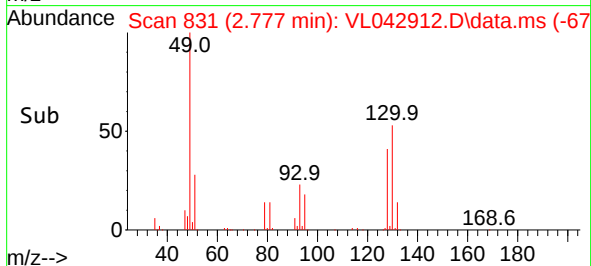
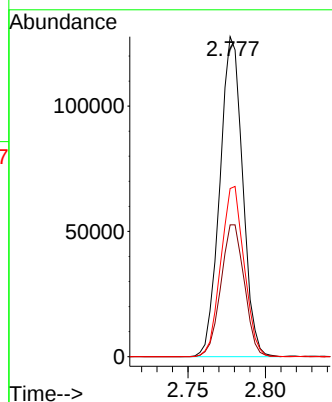
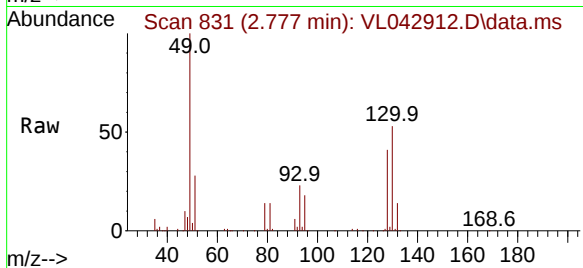
Tgt Ion: 49 Resp: 130818

Ion Ratio Lower Upper

49 100

128 42.4 23.7 71.1

130 54.3 30.6 91.6



#20

Methylene Chloride

Concen: 0.188 ppbv

RT: 2.055 min Scan# 608

Delta R.T. -0.000 min

Lab File: VL042912.D

Acq: 08 Sep 2025 20:33

Tgt Ion: 84 Resp: 1364

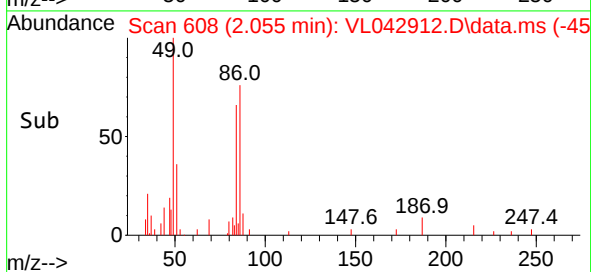
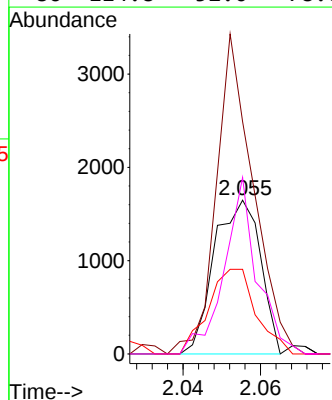
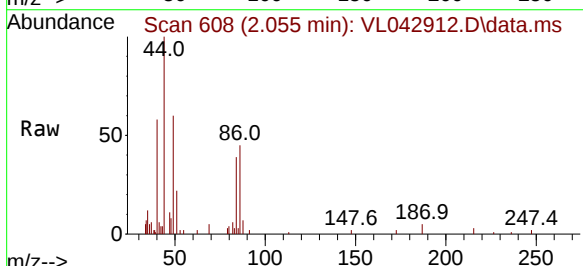
Ion Ratio Lower Upper

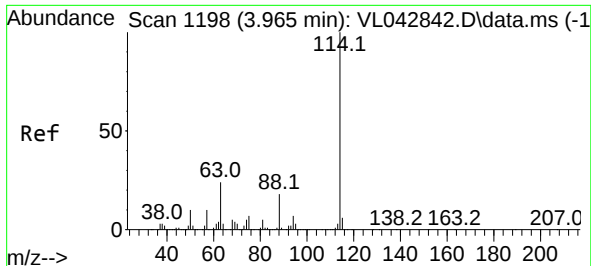
84 100

49 143.0 112.3 168.5

51 55.0 36.0 54.0#

86 114.8 52.0 78.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. 0.003 min

Lab File: VL042912.D

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Instrument :

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ClientSampleId :

VIBLK

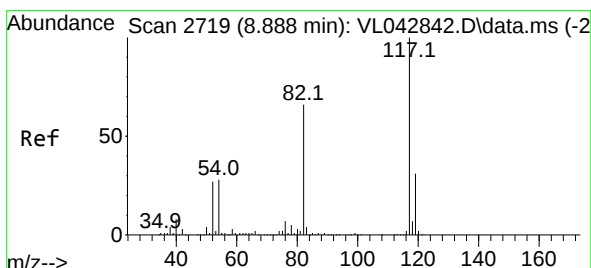
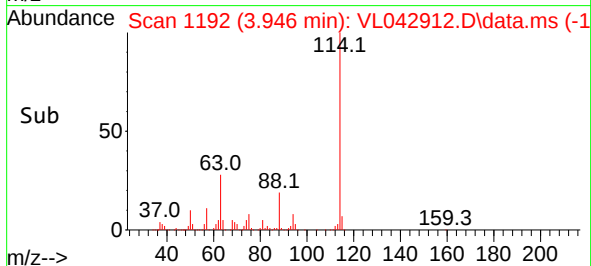
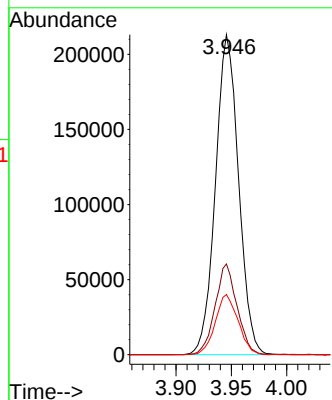
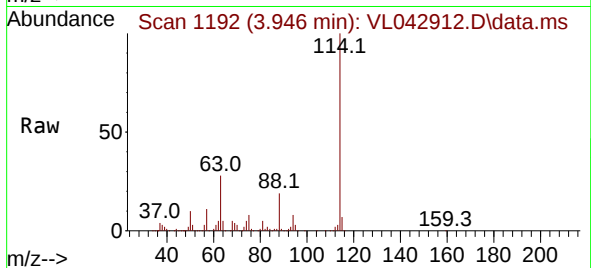
Tgt Ion:114 Resp: 309319

Ion Ratio Lower Upper

114 100

63 27.0 19.7 29.5

88 18.6 14.4 21.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.868 min Scan# 2713

Delta R.T. -0.000 min

Lab File: VL042912.D

Acq: 08 Sep 2025 20:33

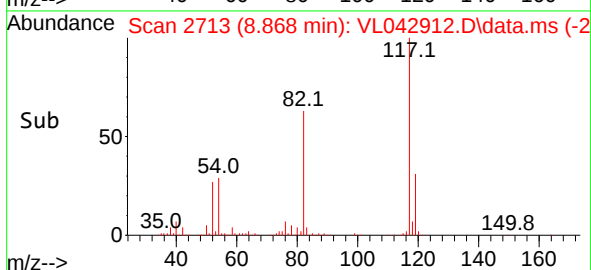
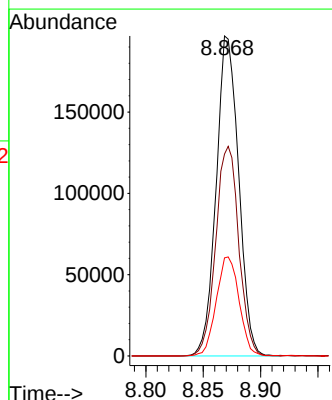
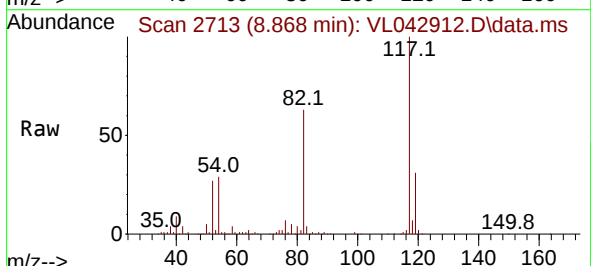
Tgt Ion:117 Resp: 268276

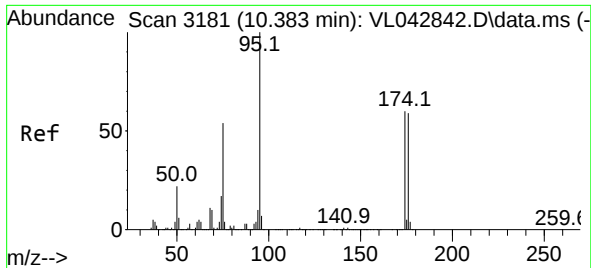
Ion Ratio Lower Upper

117 100

82 67.2 54.6 81.8

119 31.6 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.780 ppbv
 RT: 10.367 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL042912.D
 Acq: 08 Sep 2025 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 95 Resp: 196780
 Ion Ratio Lower Upper
 95 100
 174 56.3 48.4 72.6
 175 4.0 3.8 5.8

