

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042850.D
 Acq On : 13 Aug 2025 13:46
 Operator : SY/MD
 Sample : VL0813ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABL01

Quant Time: Aug 14 02:17:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	119946	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	373094	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	324853	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	243776	10.006	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

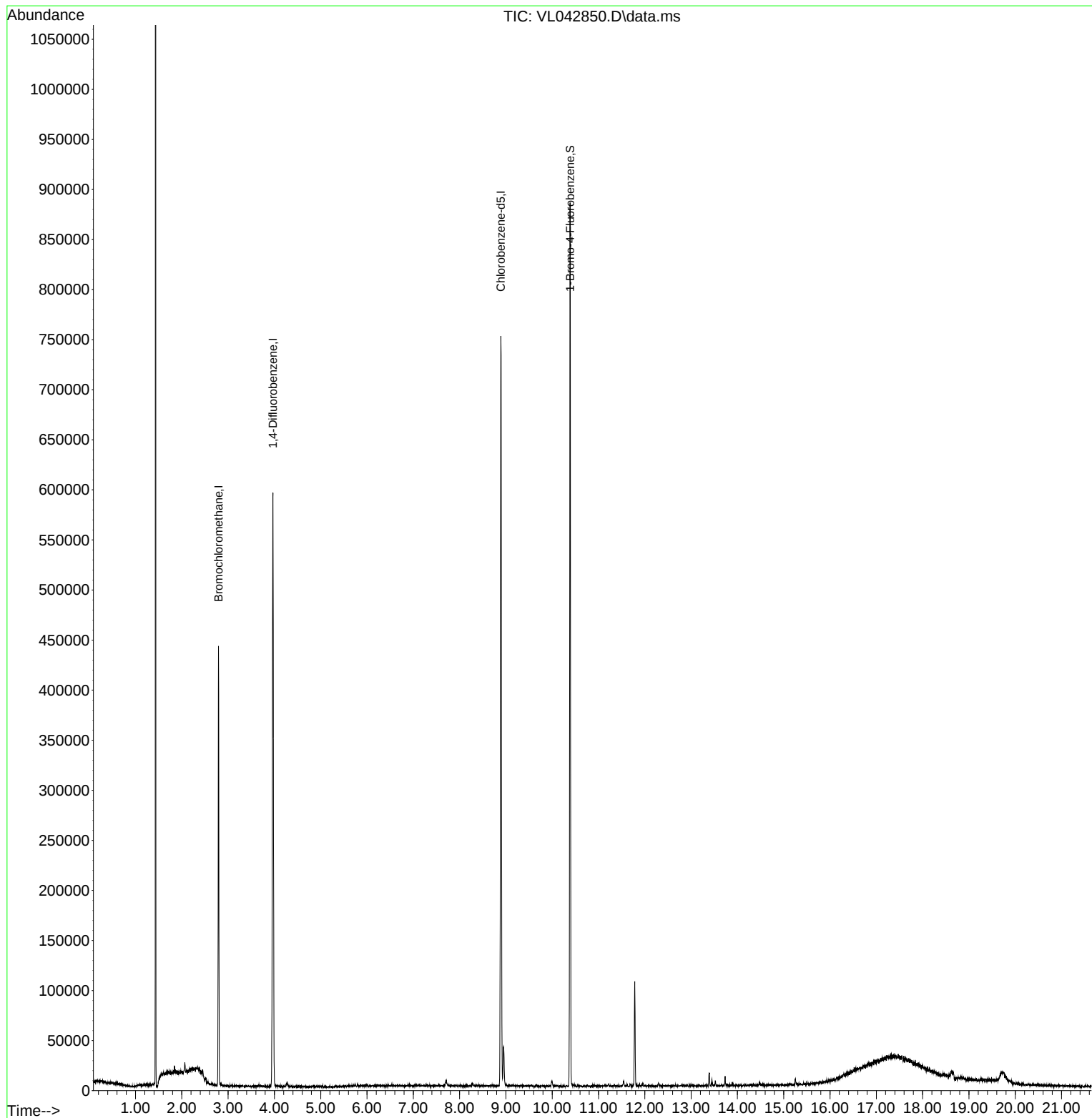
Target Compounds	Qvalue

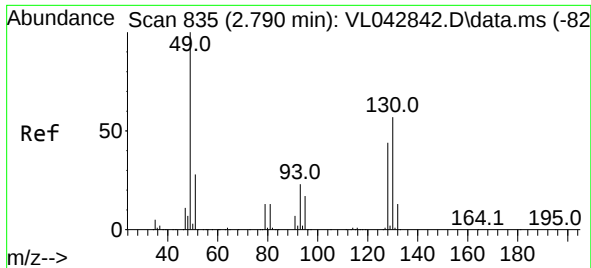
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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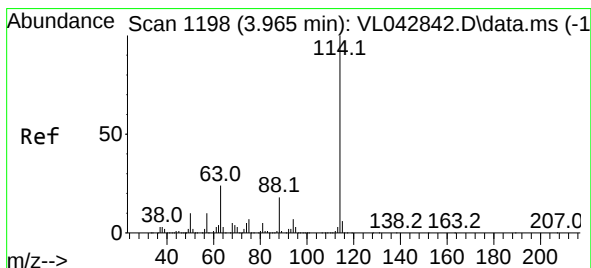
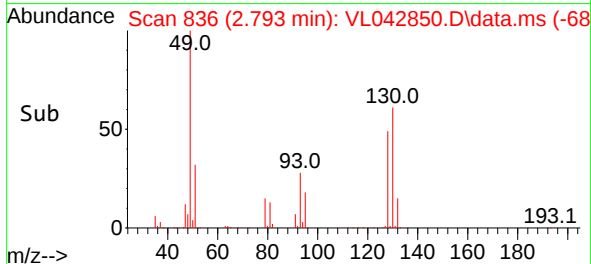
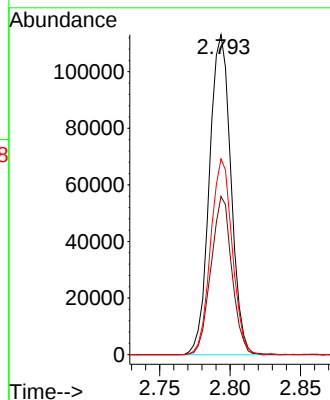
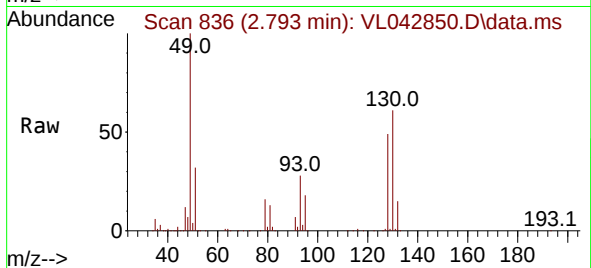




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

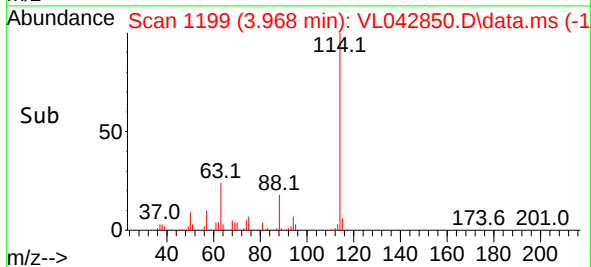
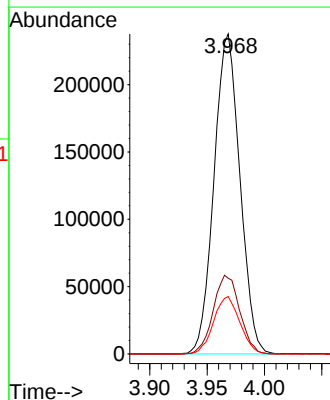
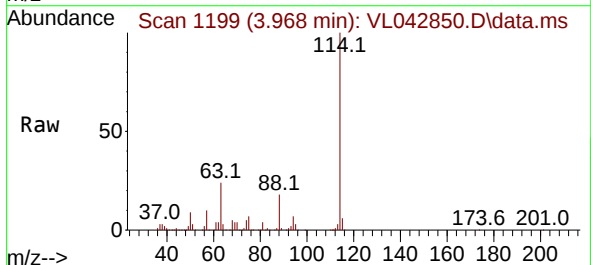
Instrument :
MSVOA_1
ClientSampleId :
VL0813ABL01

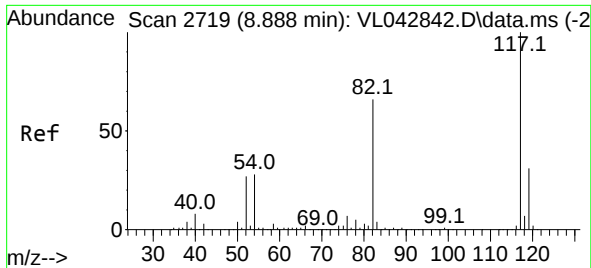
Tgt Ion: 49 Resp: 119946
Ion Ratio Lower Upper
49 100
128 48.0 23.7 71.1
130 61.5 30.6 91.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

Tgt Ion: 114 Resp: 373094
Ion Ratio Lower Upper
114 100
63 25.1 19.7 29.5
88 18.2 14.4 21.6

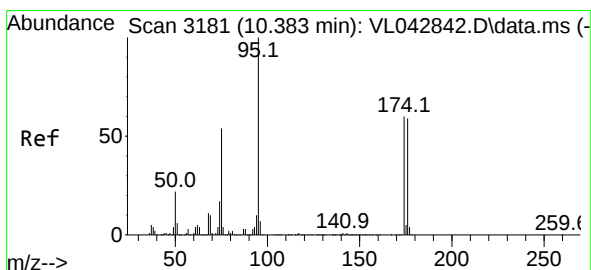
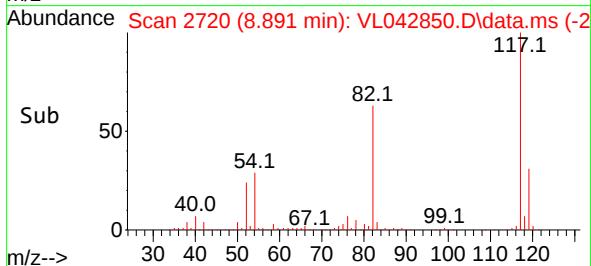
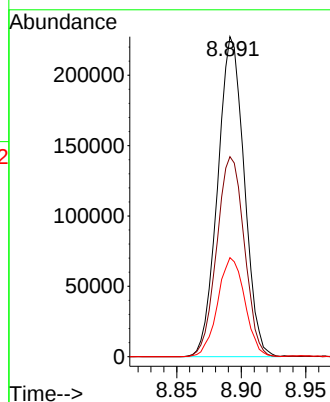
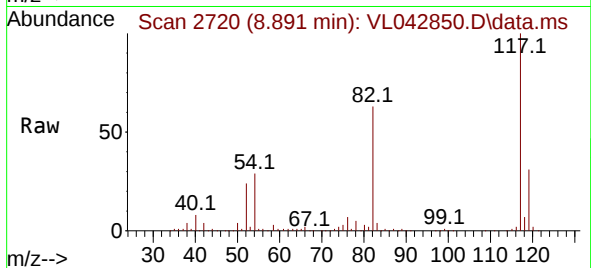




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABL01

Tgt Ion:117 Resp: 324853
Ion Ratio Lower Upper
117 100
82 64.9 54.6 81.8
119 31.9 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.006 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

Tgt Ion: 95 Resp: 243776
Ion Ratio Lower Upper
95 100
174 57.2 48.4 72.6
175 4.5 3.8 5.8

