

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043308.D
 Acq On : 08 Dec 2025 11:11
 Operator : SY/MD
 Sample : QC120225 CAN 10297
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC120225 CAN 10297

Quant Time: Dec 09 00:09:57 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	2.780	49	151181	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	400309	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	315883	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	225215	9.727	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.300%

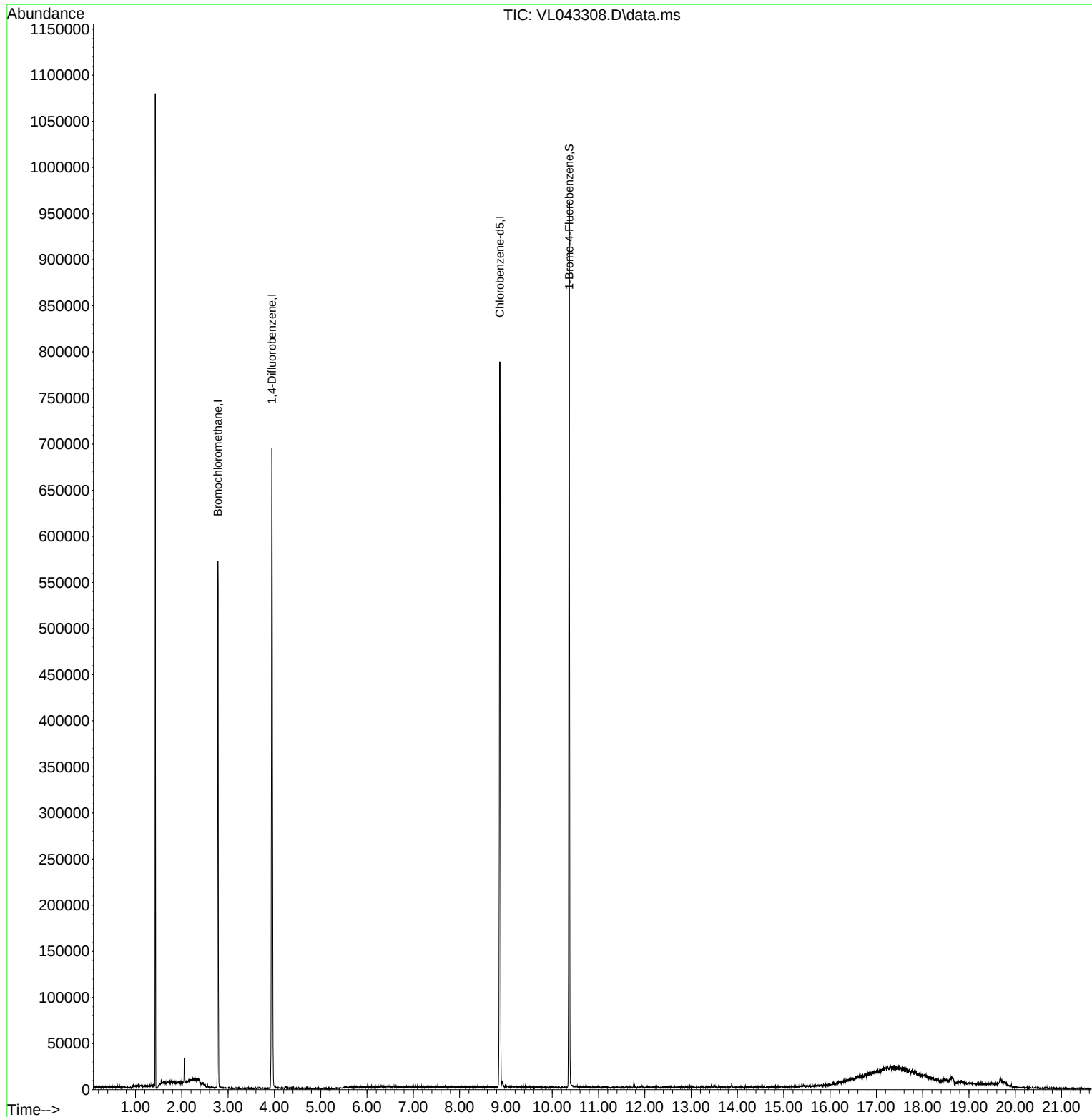
Target Compounds	Qvalue

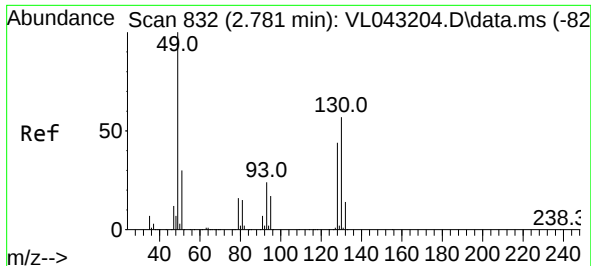
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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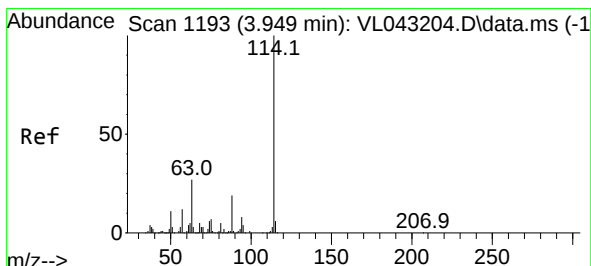
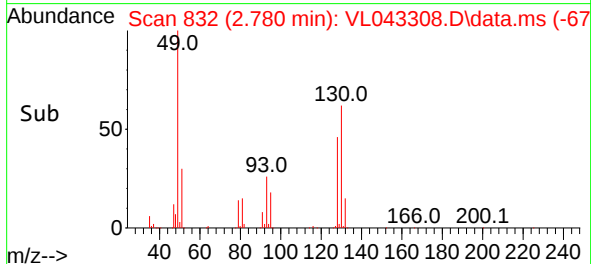
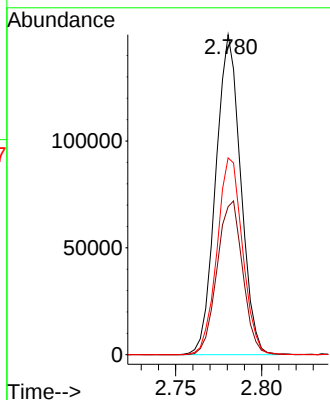
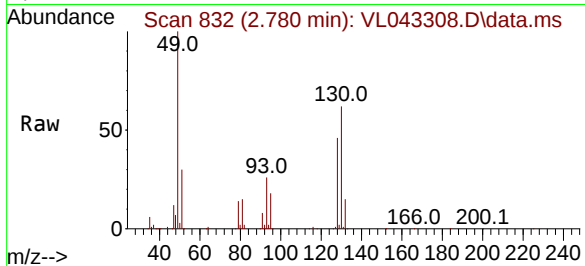




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043308.D
Acq: 08 Dec 2025 11:11

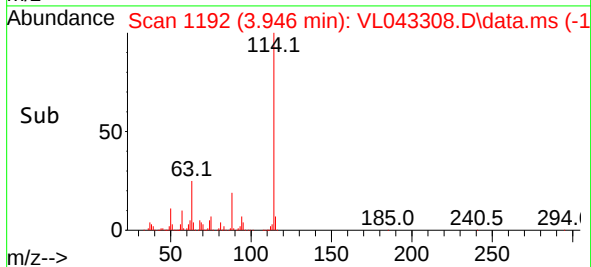
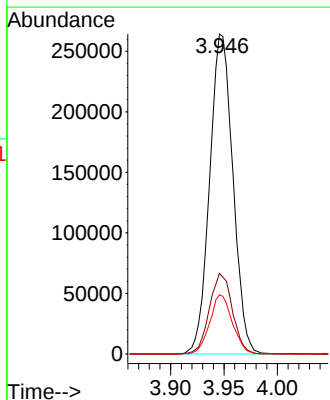
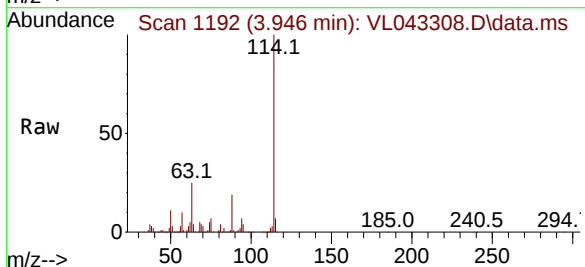
Instrument :
MSVOA_L
ClientSampleId :
QC120225 CAN 10297

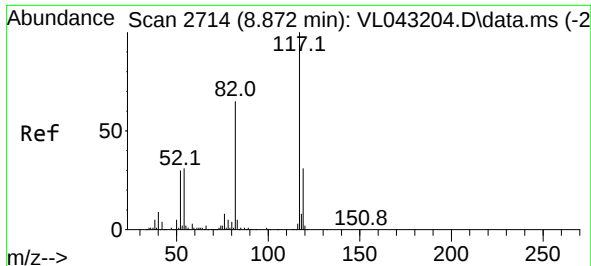
Tgt Ion: 49 Resp: 151181
Ion Ratio Lower Upper
49 100
128 49.4 23.0 69.0
130 62.8 29.9 89.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.004 min
Lab File: VL043308.D
Acq: 08 Dec 2025 11:11

Tgt Ion: 114 Resp: 400309
Ion Ratio Lower Upper
114 100
63 24.9 21.0 31.6
88 18.0 14.9 22.3

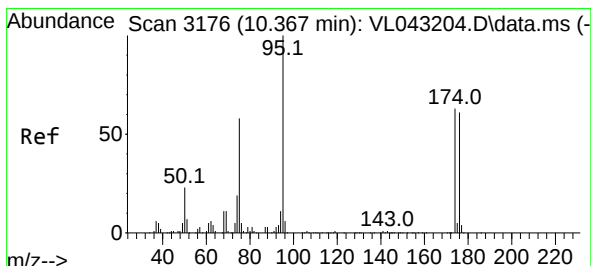
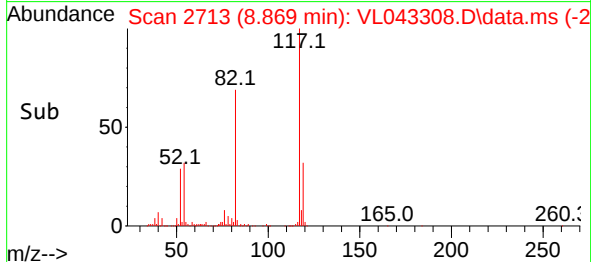
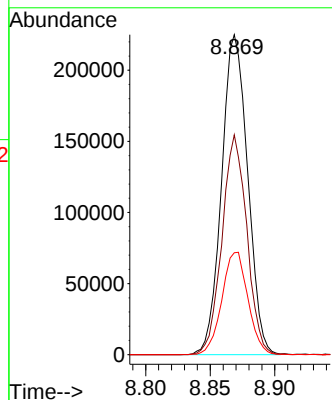
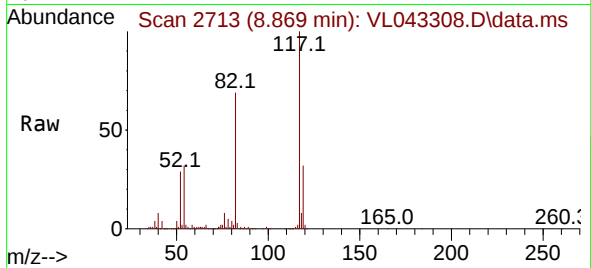




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL043308.D
Acq: 08 Dec 2025 11:11

Instrument :
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ClientSampleId :
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Tgt Ion:117 Resp: 315883
Ion Ratio Lower Upper
117 100
82 65.4 56.1 84.1
119 32.1 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.727 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043308.D
Acq: 08 Dec 2025 11:11

Tgt Ion: 95 Resp: 225215
Ion Ratio Lower Upper
95 100
174 68.0 50.2 75.2
175 5.1 4.1 6.1

