

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042119.D
 Acq On : 10 Mar 2025 11:54
 Operator : SY/MD
 Sample : QC030625 CAN 10418
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC030625 CAN 10418

Quant Time: Mar 11 01:23:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	159245	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	367576	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	314124	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.387	95	245563	10.161	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

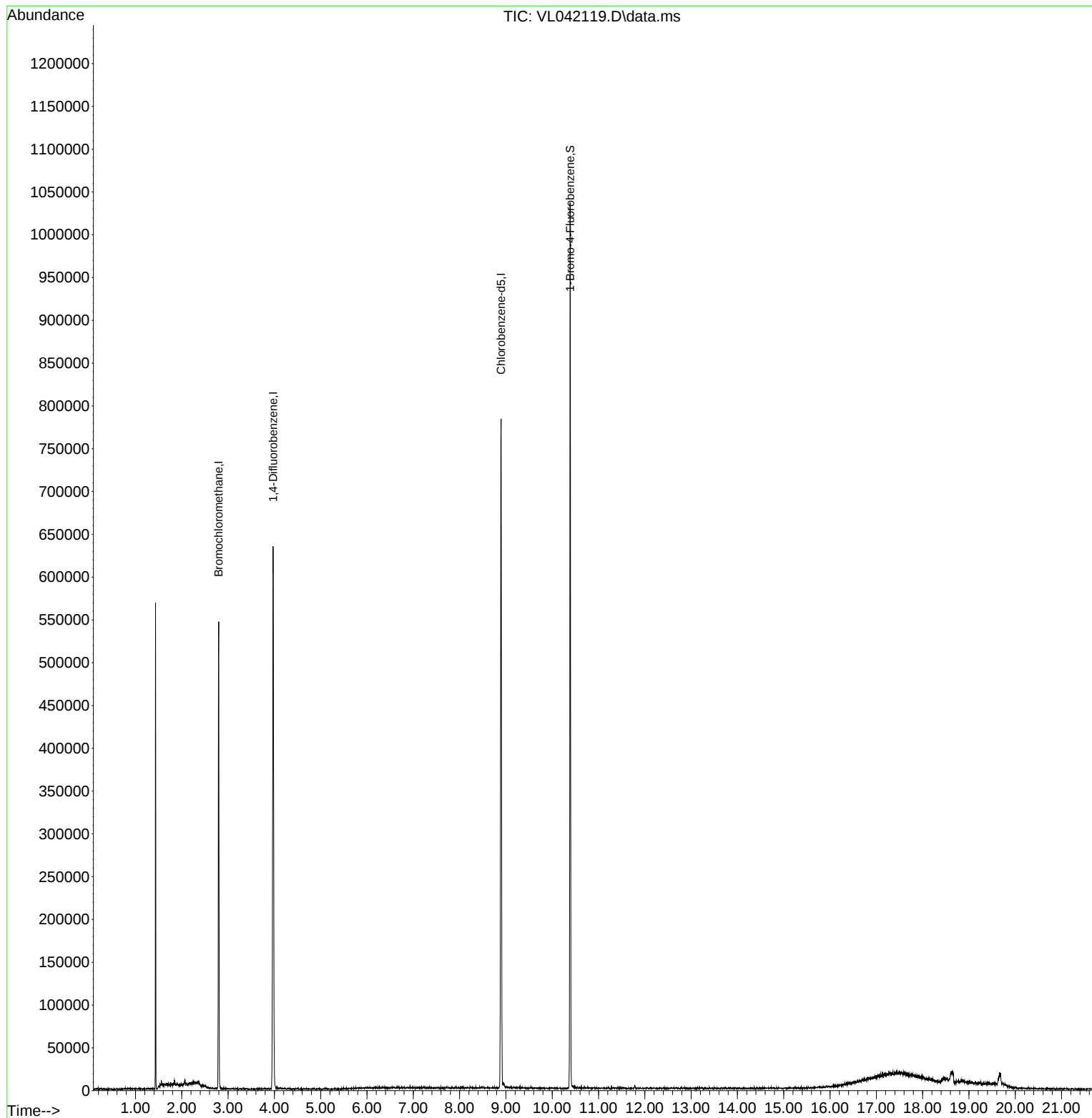
Target Compounds	Qvalue

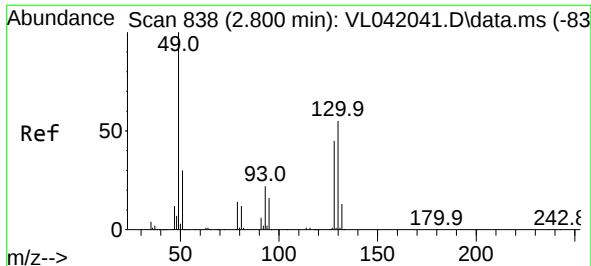
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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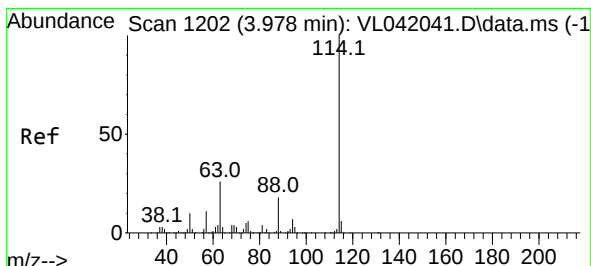
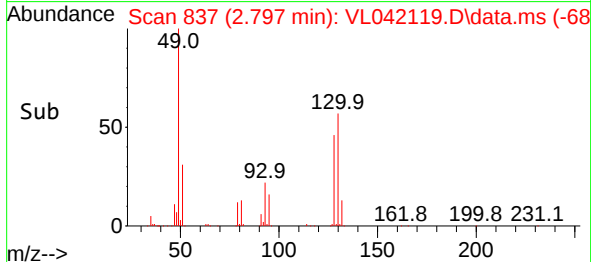
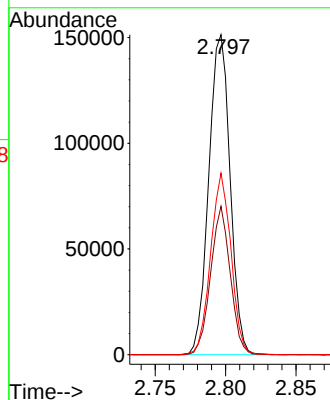
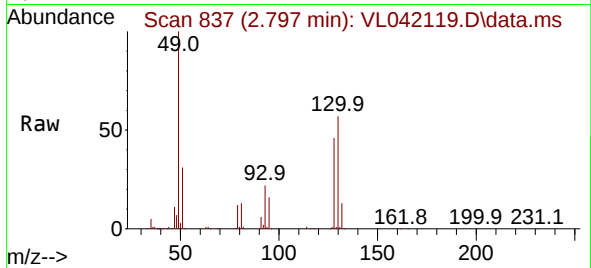




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042119.D
Acq: 10 Mar 2025 11:54

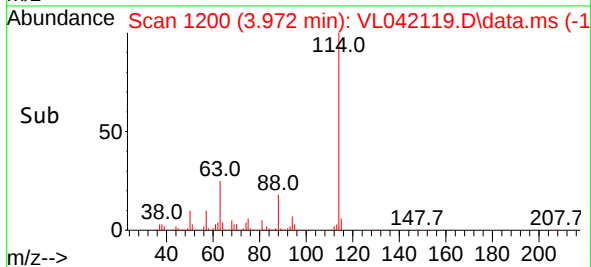
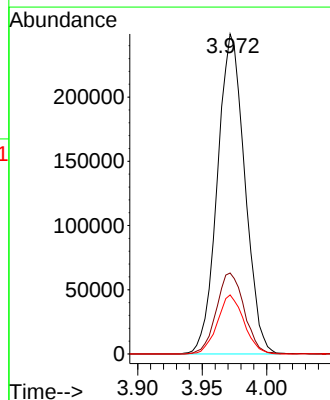
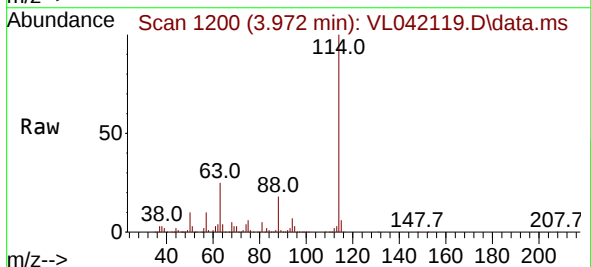
Instrument :
MSVOA_L
ClientSampleId :
QC030625 CAN 10418

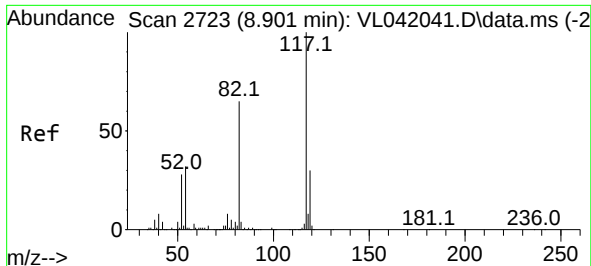
Tgt Ion: 49 Resp: 159245
Ion Ratio Lower Upper
49 100
128 42.7 21.6 64.8
130 54.3 27.8 83.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. -0.007 min
Lab File: VL042119.D
Acq: 10 Mar 2025 11:54

Tgt Ion: 114 Resp: 367576
Ion Ratio Lower Upper
114 100
63 25.8 20.1 30.1
88 17.8 14.3 21.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.894 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL042119.D

Acq: 10 Mar 2025 11:54

Instrument :

MSVOA_L

ClientSampleId :

QC030625 CAN 10418

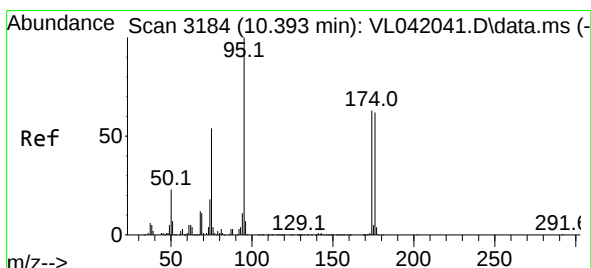
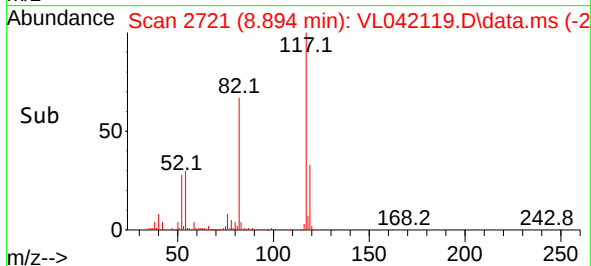
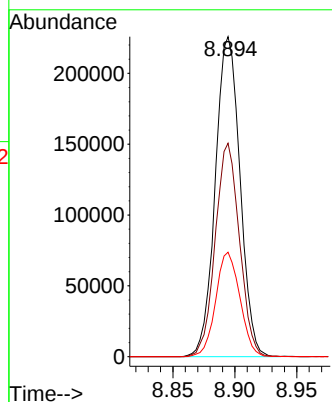
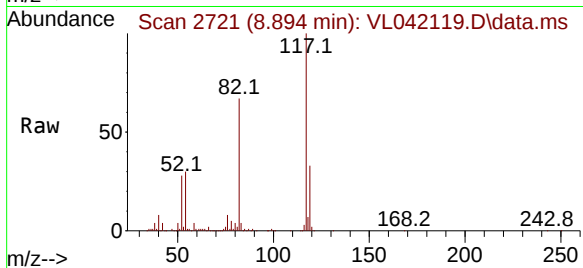
Tgt Ion:117 Resp: 314124

Ion Ratio Lower Upper

117 100

82 65.3 55.0 82.6

119 32.1 25.9 38.9



#68

1-Bromo-4-Fluorobenzene

Concen: 10.161 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. -0.007 min

Lab File: VL042119.D

Acq: 10 Mar 2025 11:54

Tgt Ion: 95 Resp: 245563

Ion Ratio Lower Upper

95 100

174 62.8 51.8 77.6

175 4.5 3.9 5.9

