

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042470.D
 Acq On : 05 May 2025 09:19
 Operator : SY/MD
 Sample : VL0505ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0505ABL01

Quant Time: May 06 01:38:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	74757	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	208518	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	177829	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	161047	9.768	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%

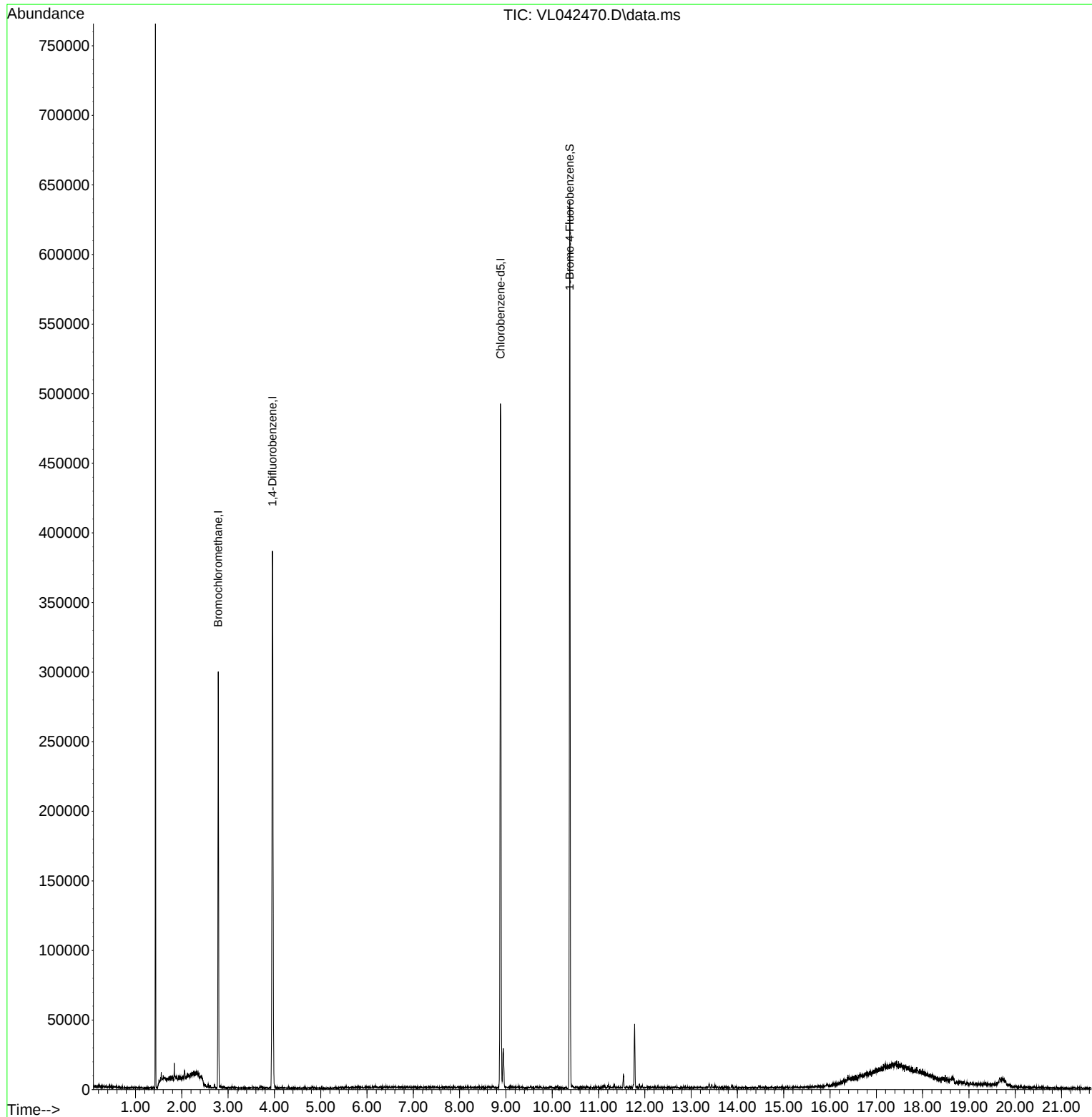
Target Compounds	Qvalue

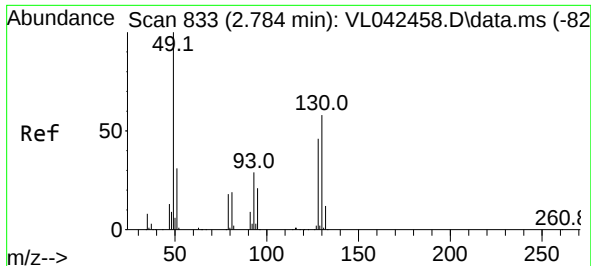
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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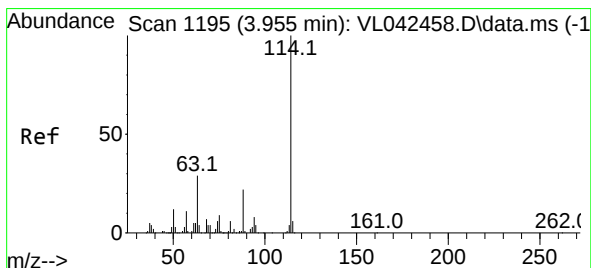
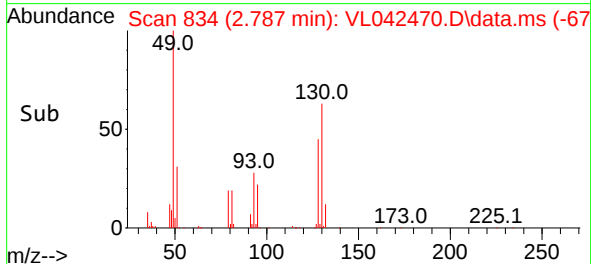
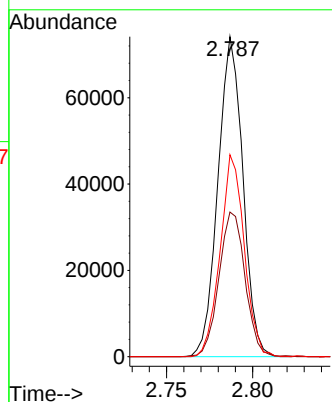
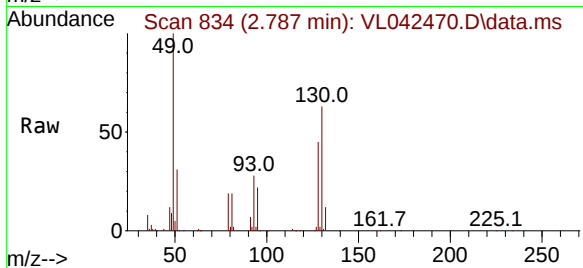




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042470.D
Acq: 05 May 2025 09:19

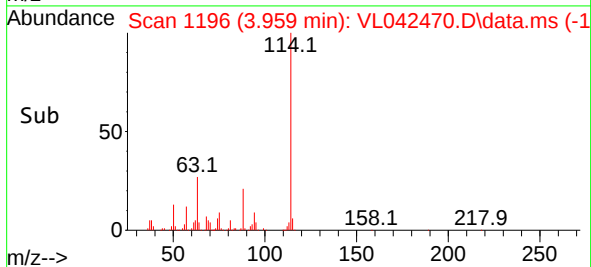
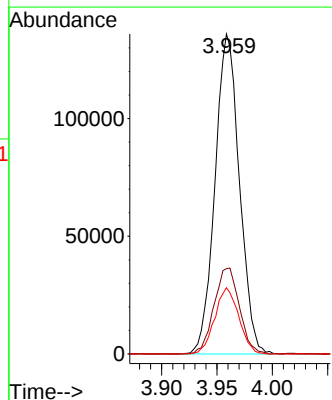
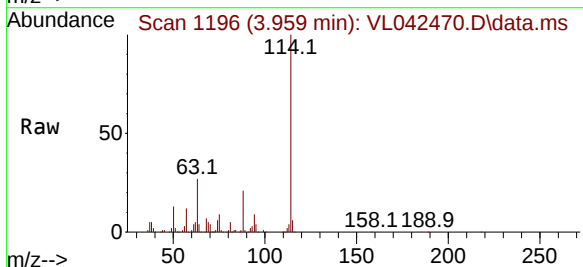
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABL01

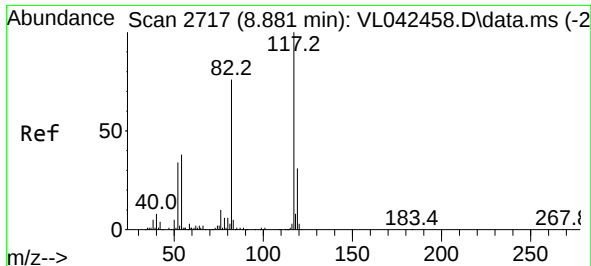
Tgt Ion: 49 Resp: 74757
Ion Ratio Lower Upper
49 100
128 47.4 23.3 69.9
130 61.2 29.5 88.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042470.D
Acq: 05 May 2025 09:19

Tgt Ion: 114 Resp: 208518
Ion Ratio Lower Upper
114 100
63 28.0 23.1 34.7
88 20.4 16.1 24.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL042470.D

Acq: 05 May 2025 09:19

Instrument :

MSVOA_1

ClientSampleId :

VL0505ABL01

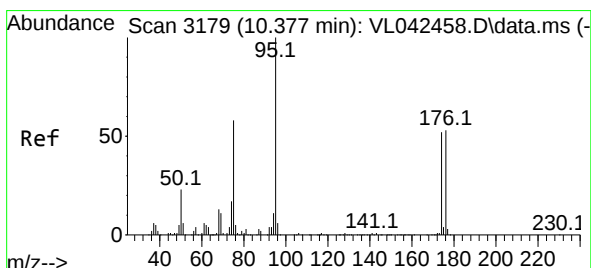
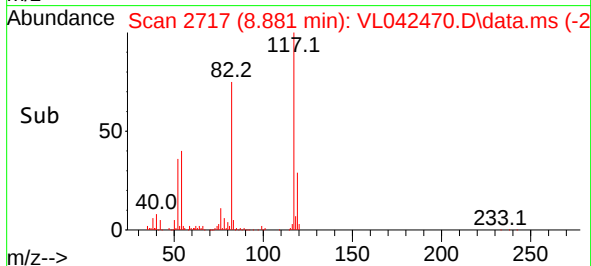
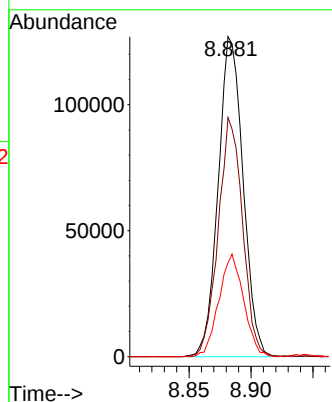
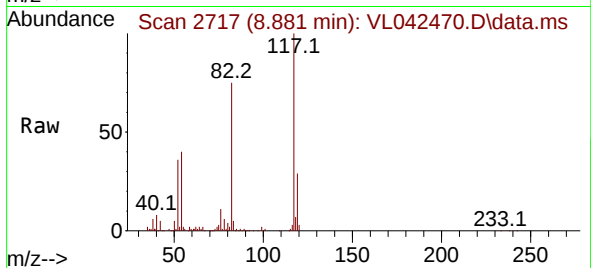
Tgt Ion:117 Resp: 177829

Ion Ratio Lower Upper

117 100

82 73.0 63.5 95.3

119 31.9 25.8 38.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.768 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. -0.000 min

Lab File: VL042470.D

Acq: 05 May 2025 09:19

Tgt Ion: 95 Resp: 161047

Ion Ratio Lower Upper

95 100

174 53.1 42.7 64.1

175 4.3 3.6 5.4

