

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052225\
 Data File : VL042573.D
 Acq On : 22 May 2025 10:08
 Operator : SY/MD
 Sample : VL0522ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABL01

Quant Time: May 23 01:39:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 21 00:21:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	128614	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	399998	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	341603	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	267146	9.771	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%

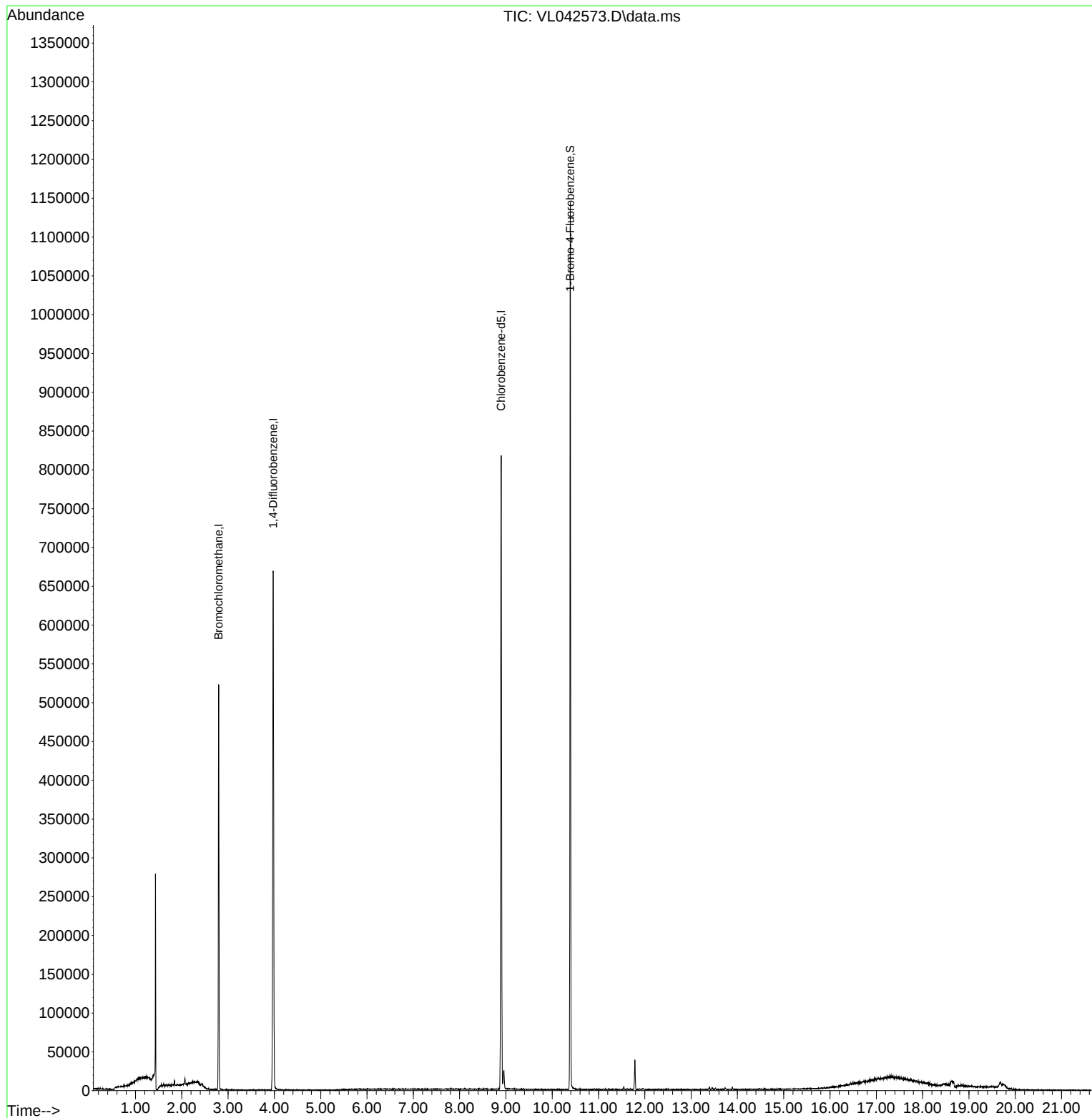
Target Compounds	Qvalue

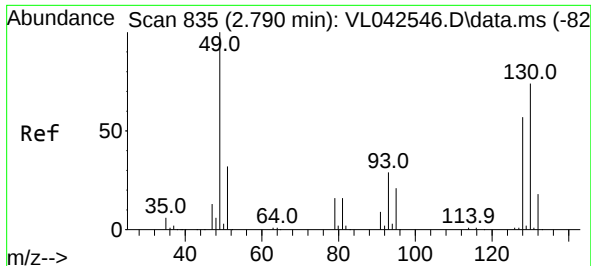
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.797 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL042573.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0522ABL01

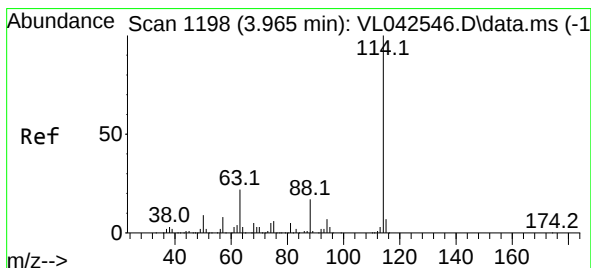
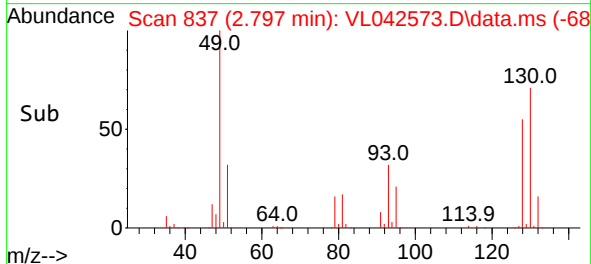
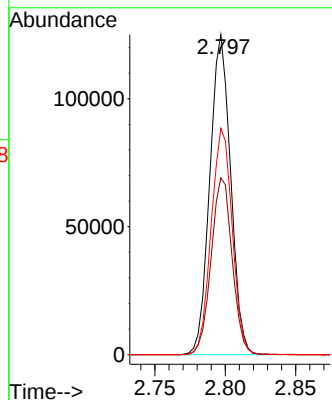
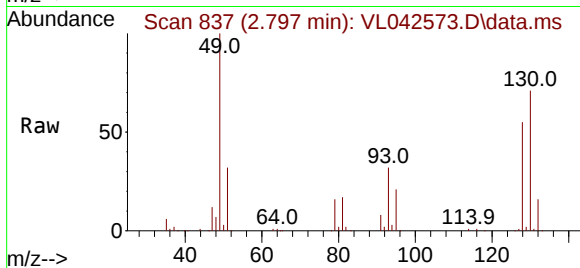
Tgt Ion: 49 Resp: 128614

Ion Ratio Lower Upper

49 100

128 55.8 28.6 85.8

130 71.6 36.6 109.8



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1201

Delta R.T. 0.010 min

Lab File: VL042573.D

Acq: 22 May 2025 10:08

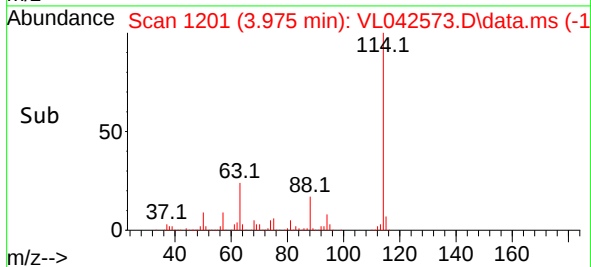
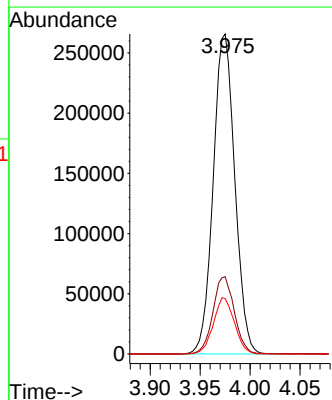
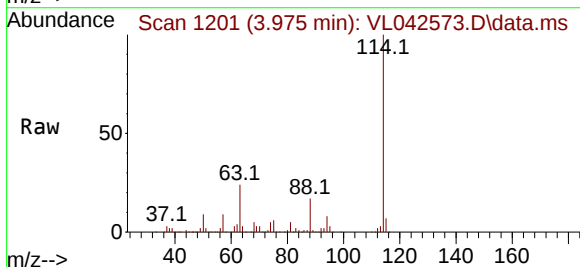
Tgt Ion: 114 Resp: 399998

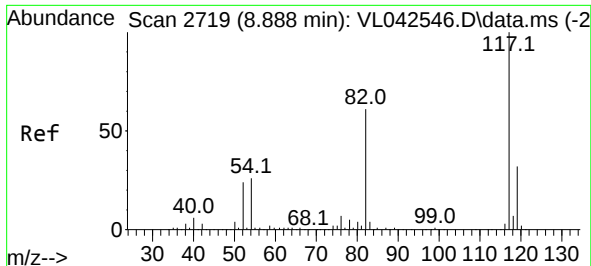
Ion Ratio Lower Upper

114 100

63 24.0 18.4 27.6

88 17.2 14.0 21.0

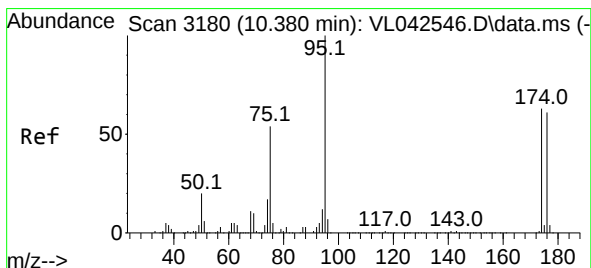
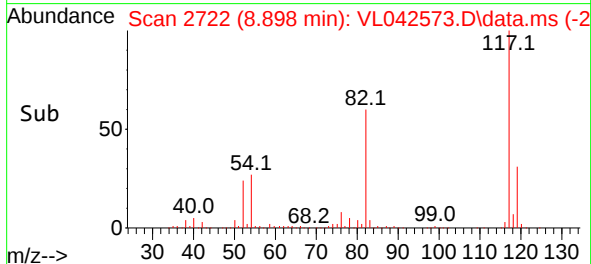
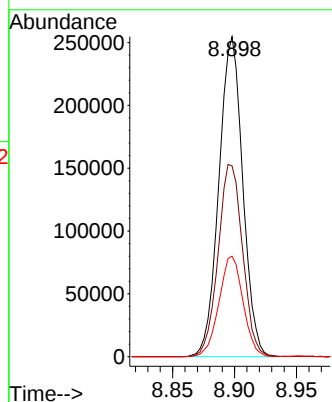
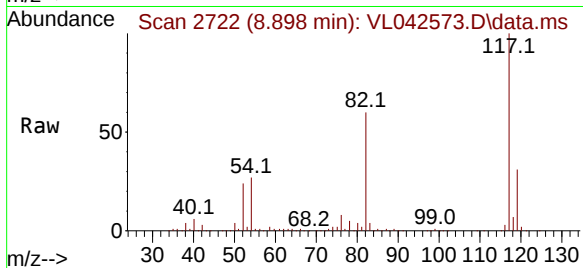




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042573.D
Acq: 22 May 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABL01

Tgt Ion:117 Resp: 341603
Ion Ratio Lower Upper
117 100
82 61.8 51.0 76.4
119 31.8 27.0 40.4



#68
1-Bromo-4-Fluorobenzene
Concen: 9.771 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. 0.010 min
Lab File: VL042573.D
Acq: 22 May 2025 10:08

Tgt Ion: 95 Resp: 267146
Ion Ratio Lower Upper
95 100
174 65.2 52.0 78.0
175 4.7 3.8 5.6

