

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042537.D
 Acq On : 14 May 2025 11:09
 Operator : SY/MD
 Sample : VL0514ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABL01

Quant Time: May 15 01:32:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 13 02:07:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	116915	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.965	114	336117	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	289273	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	238085	9.459	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%

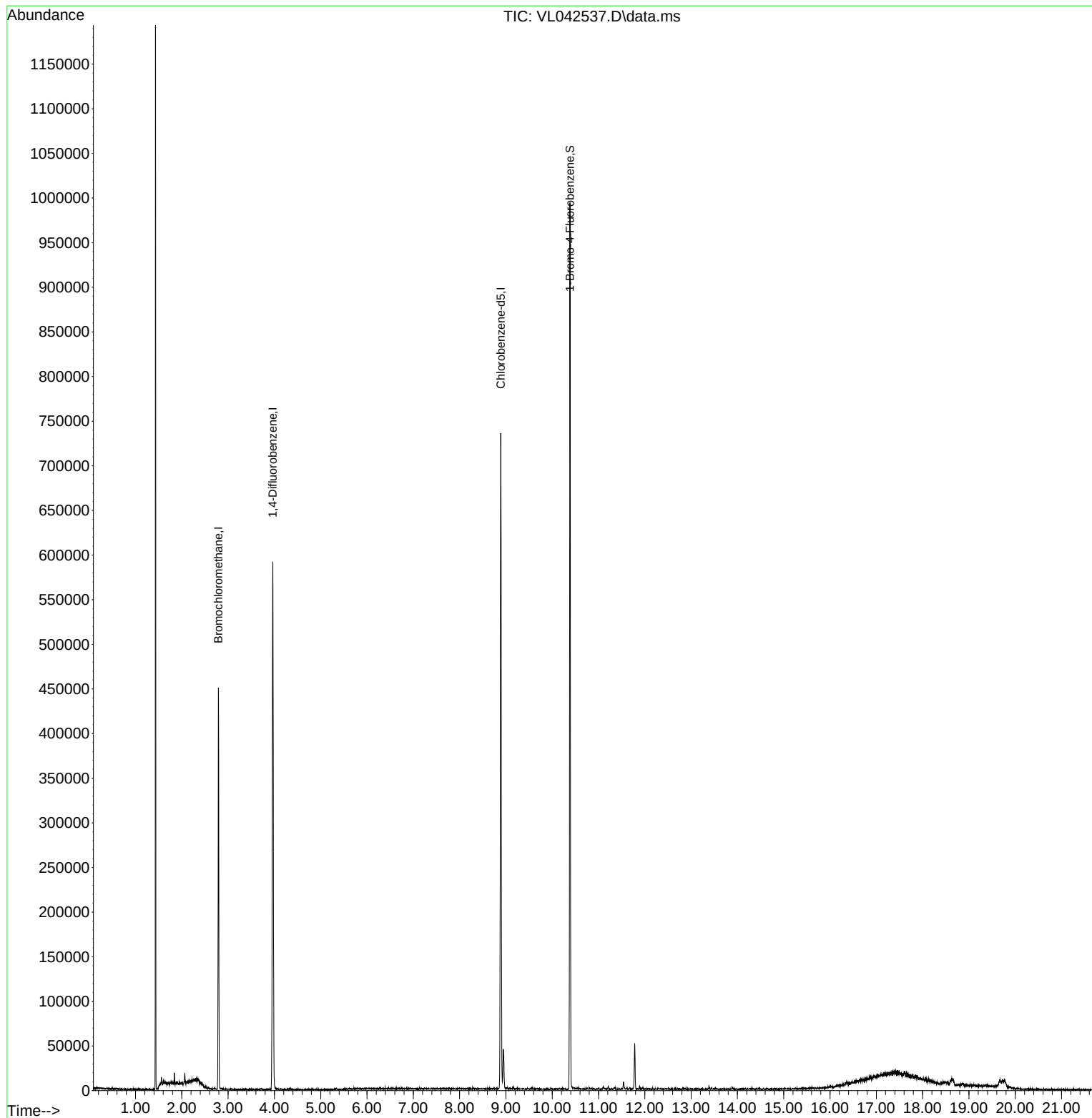
Target Compounds	Qvalue

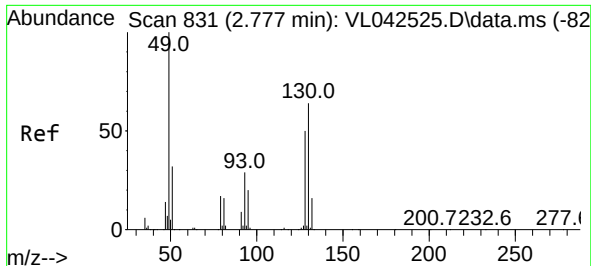
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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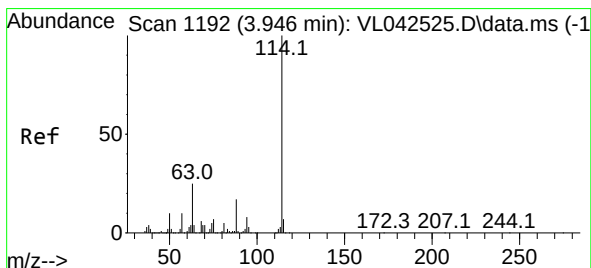
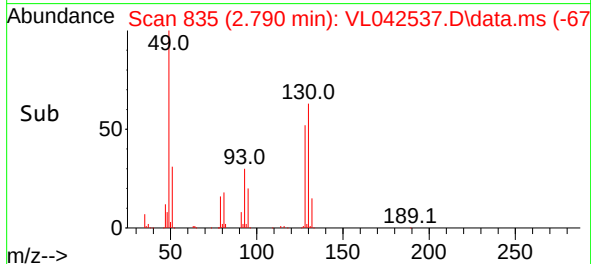
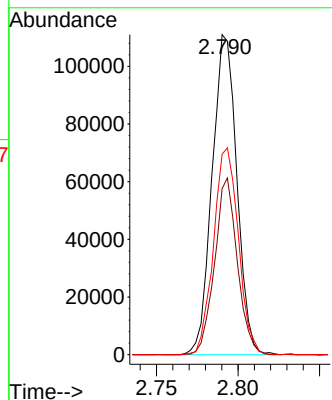
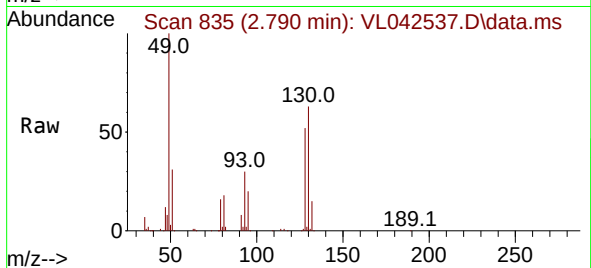




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

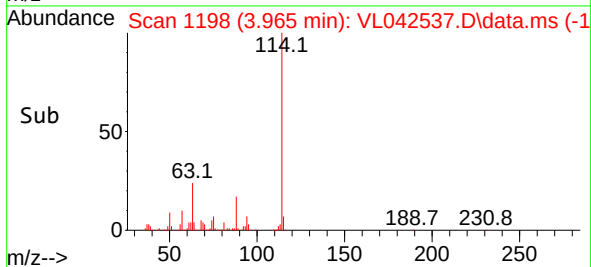
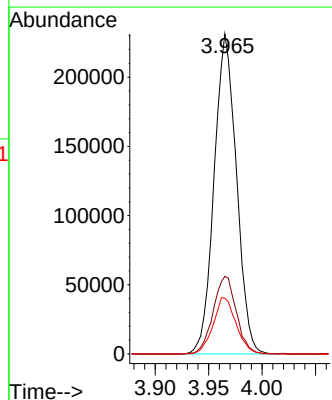
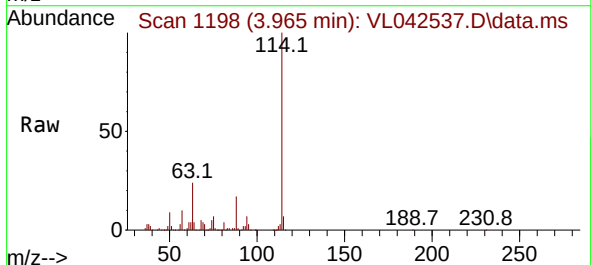
Instrument :
MSVOA_1
ClientSampleId :
VL0514ABL01

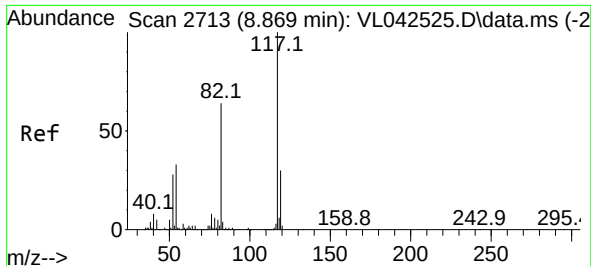
Tgt Ion: 49 Resp: 116915
Ion Ratio Lower Upper
49 100
128 50.8 24.9 74.6
130 65.0 32.5 97.5



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.019 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

Tgt Ion: 114 Resp: 336117
Ion Ratio Lower Upper
114 100
63 25.2 20.4 30.6
88 18.1 14.5 21.7

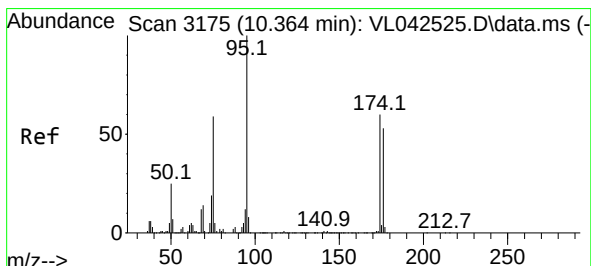
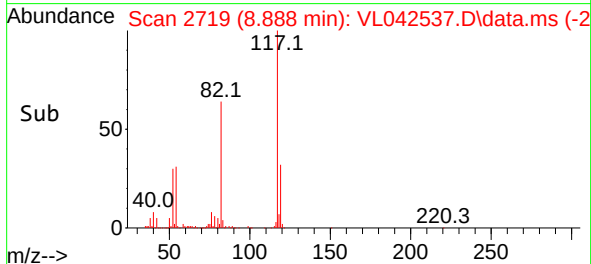
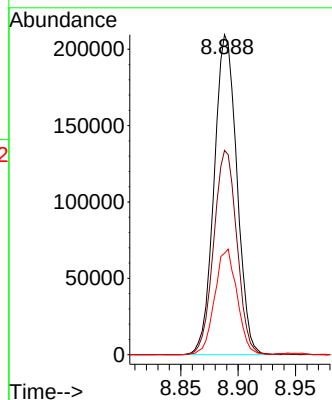
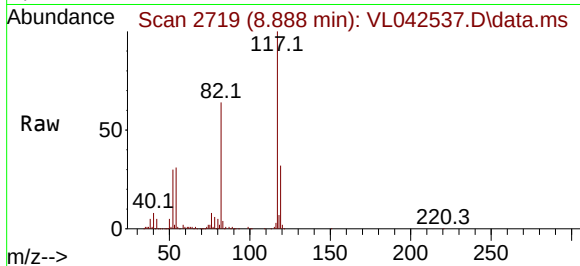




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABL01

Tgt Ion:117 Resp: 289273
Ion Ratio Lower Upper
117 100
82 65.1 55.0 82.4
119 32.5 25.8 38.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.459 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.019 min
Lab File: VL042537.D
Acq: 14 May 2025 11:09

Tgt Ion: 95 Resp: 238085
Ion Ratio Lower Upper
95 100
174 59.4 48.0 72.0
175 4.6 3.5 5.3

