

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111325\
 Data File : VL043192.D
 Acq On : 13 Nov 2025 09:47
 Operator : SY/MD
 Sample : VL1113ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1113ABL01

Quant Time: Nov 14 04:36:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	136642	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	369240	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	306160	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	228486	9.601	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%

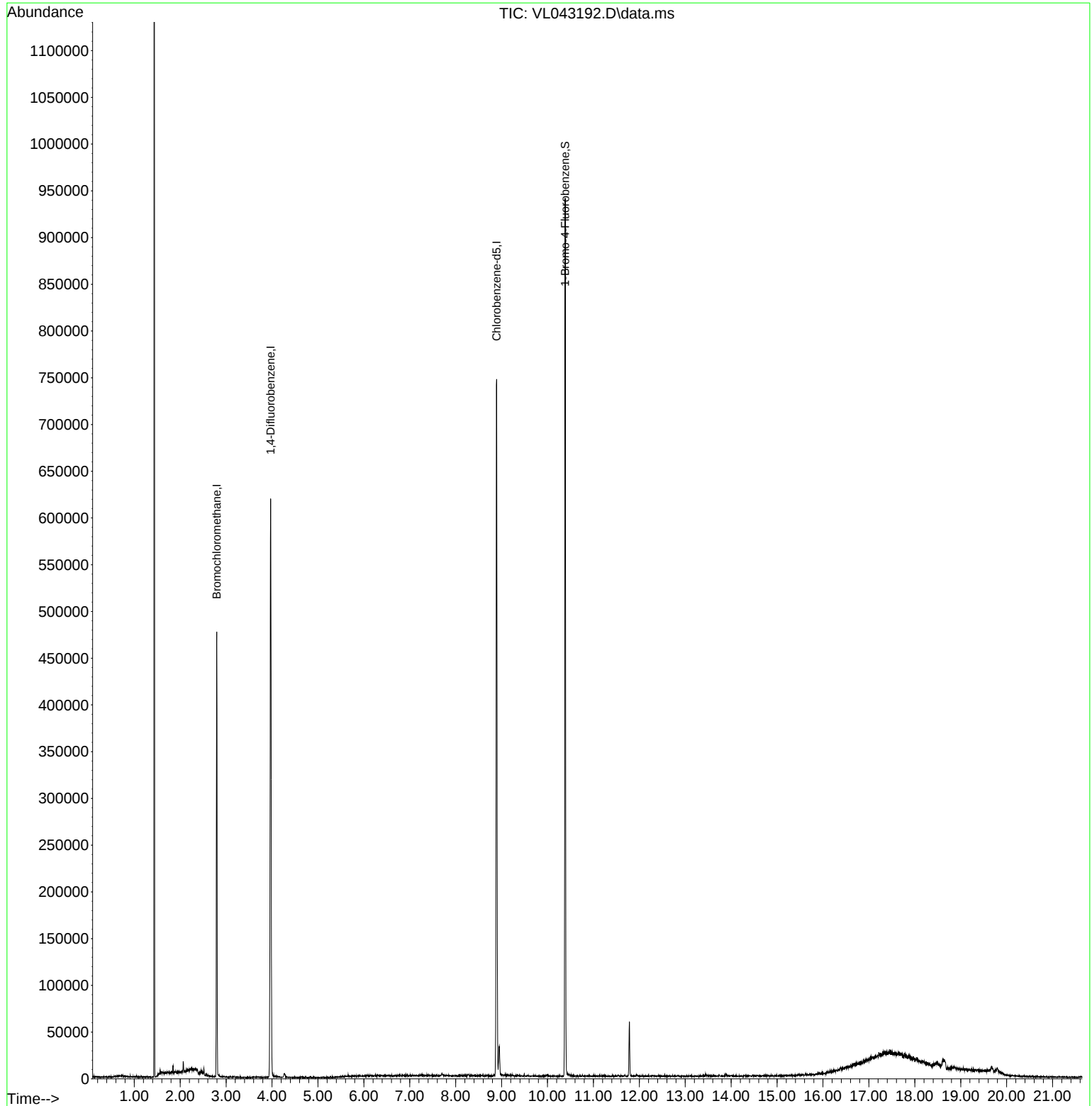
Target Compounds	Qvalue

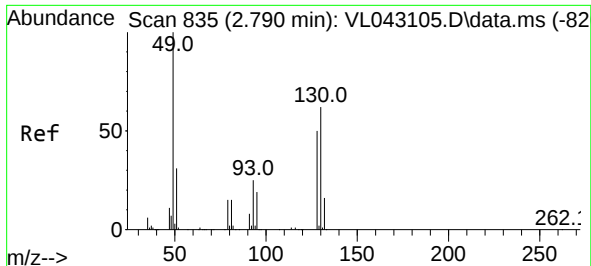
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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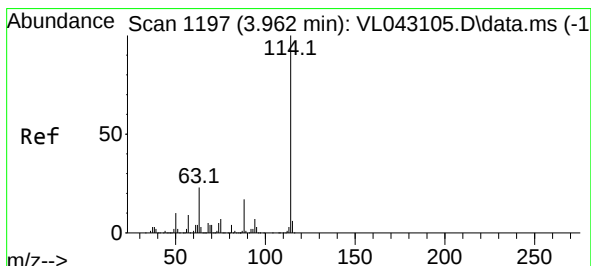
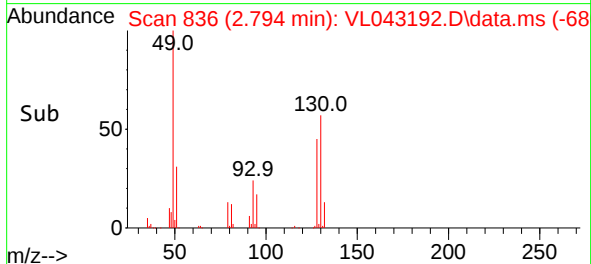
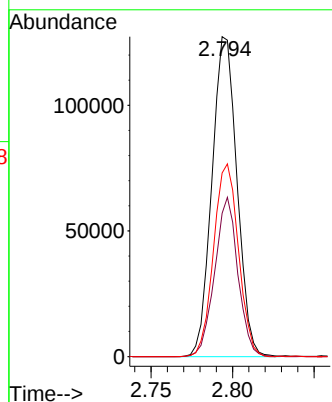
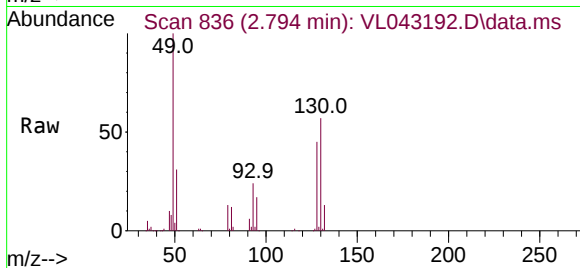




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 835
Delta R.T. 0.004 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

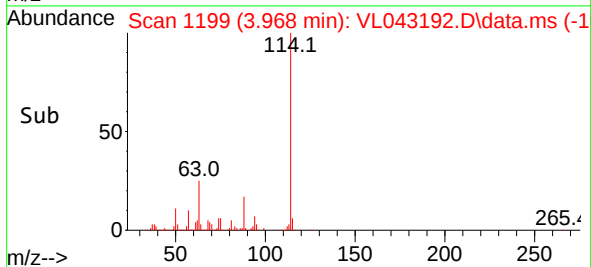
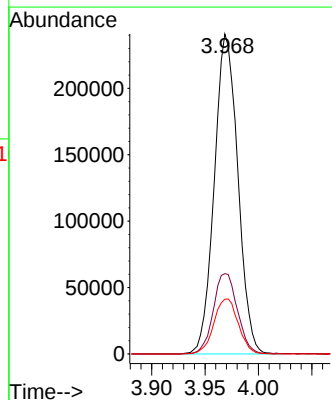
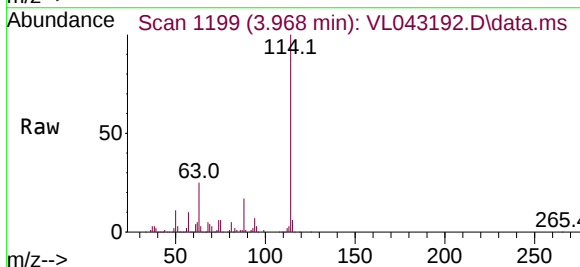
Instrument :
MSVOA_L
ClientSampleId :
VL1113ABL01

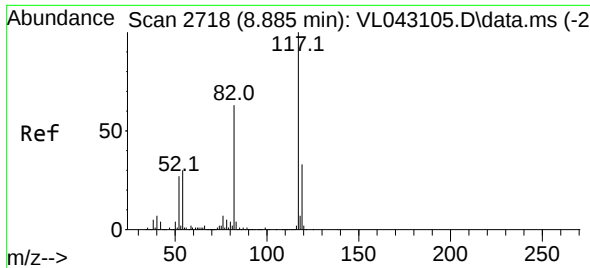
Tgt Ion: 49 Resp: 136642
Ion Ratio Lower Upper
49 100
128 46.0 24.4 73.4
130 59.7 31.0 93.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.006 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Tgt Ion:114 Resp: 369240
Ion Ratio Lower Upper
114 100
63 25.8 19.3 28.9
88 17.8 13.9 20.9

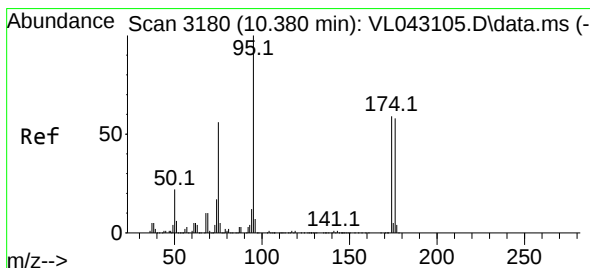
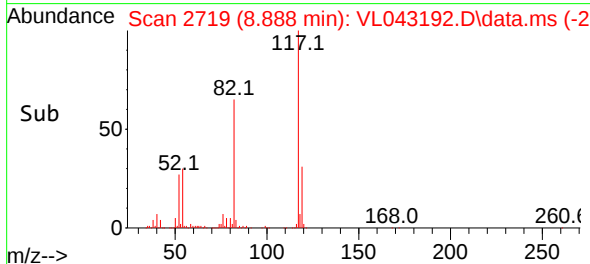
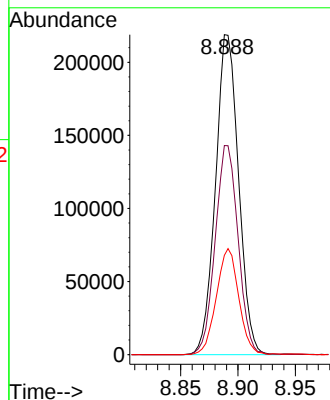
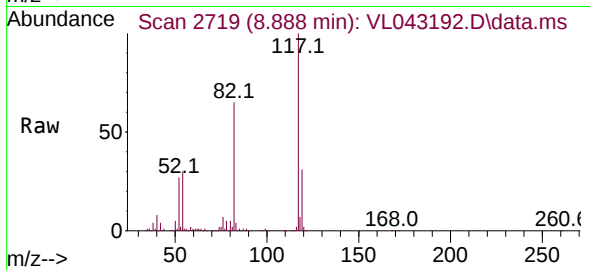




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Instrument :
MSVOA_1
ClientSampleId :
VL1113ABL01

Tgt Ion:117 Resp: 306160
Ion Ratio Lower Upper
117 100
82 64.9 53.8 80.8
119 32.4 25.4 38.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.601 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Tgt Ion: 95 Resp: 228486
Ion Ratio Lower Upper
95 100
174 64.4 48.3 72.5
175 4.7 3.8 5.8

