

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043060.D
 Acq On : 08 Oct 2025 12:49
 Operator : SY/MD
 Sample : QC100725 CAN 10122
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC100725 CAN 10122

Quant Time: Oct 09 01:16:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	171264	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.962	114	454416	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	368870	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	254931	9.594	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%

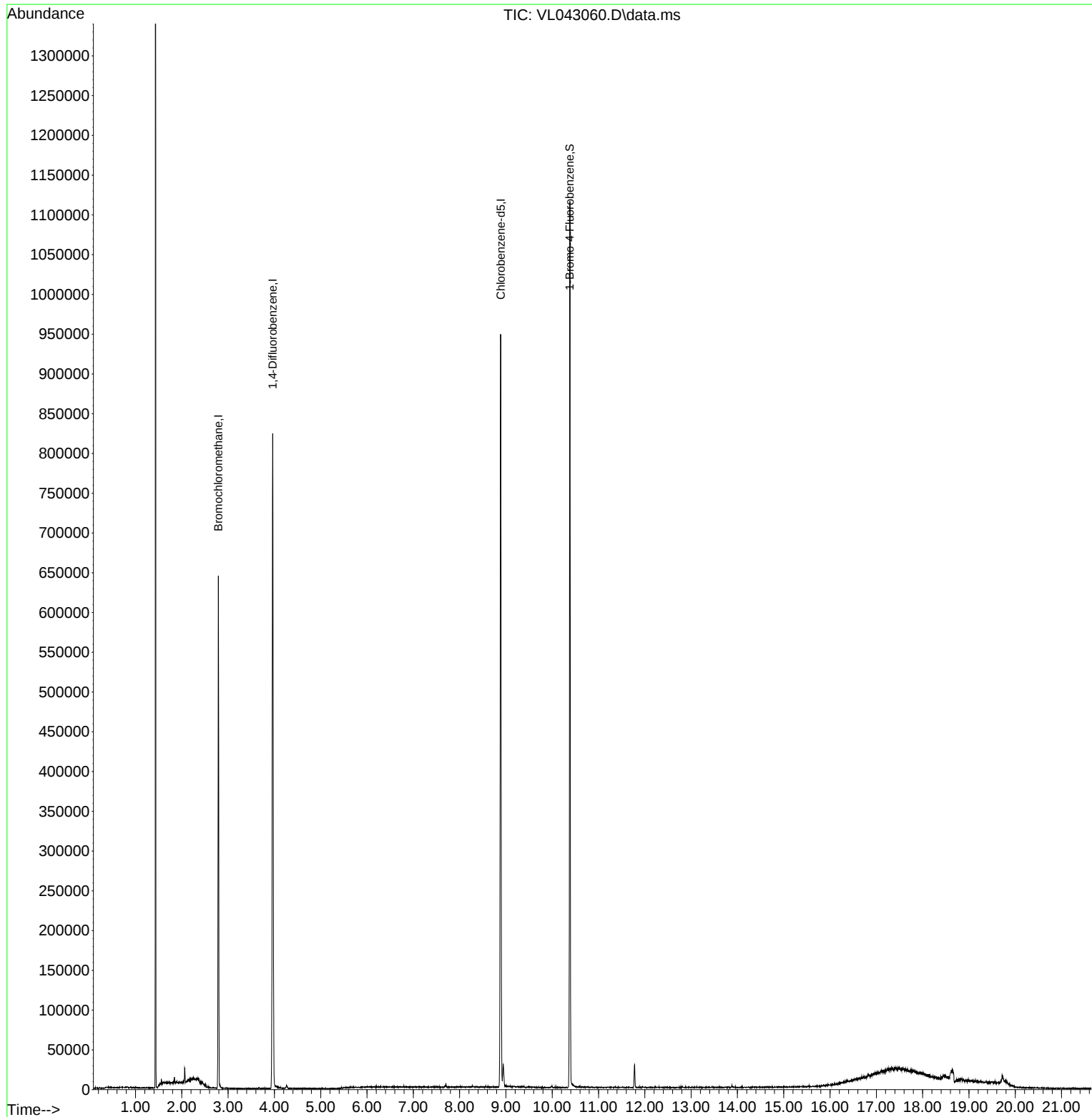
Target Compounds	Qvalue

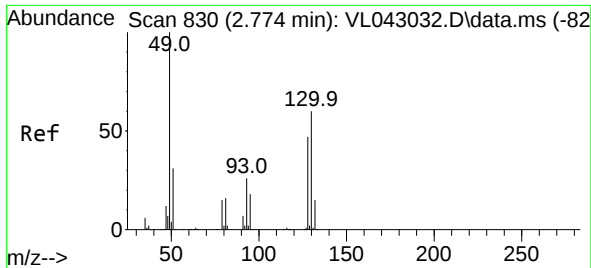
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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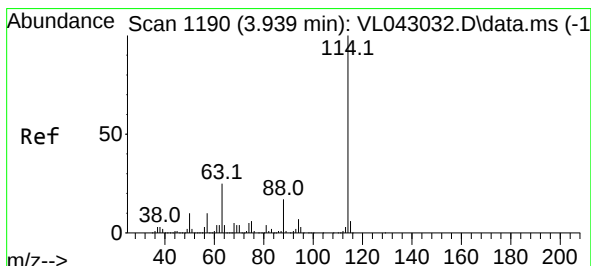
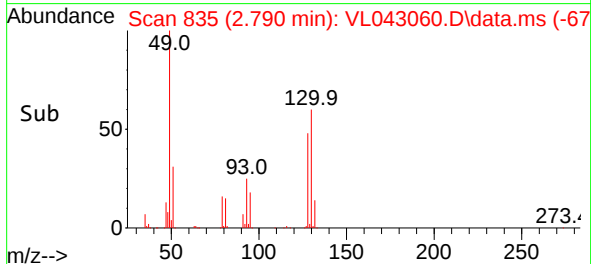
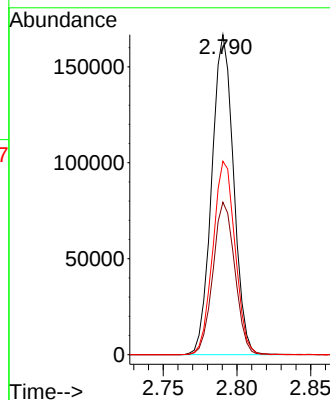
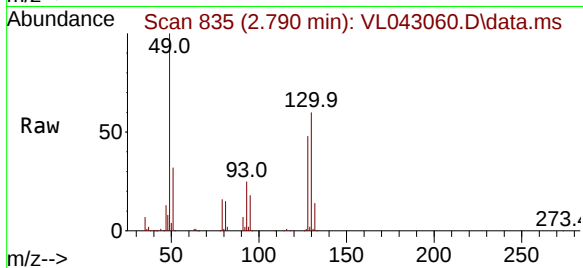




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL043060.D
Acq: 08 Oct 2025 12:49

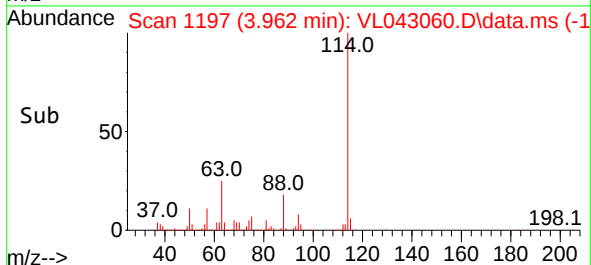
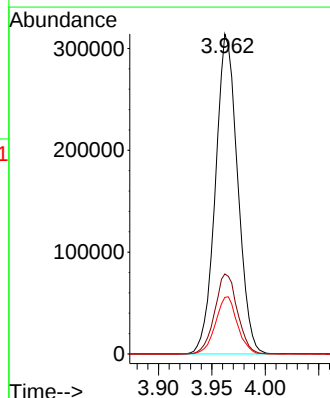
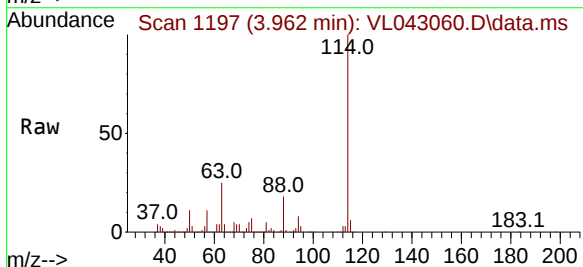
Instrument :
MSVOA_L
ClientSampleId :
QC100725 CAN 10122

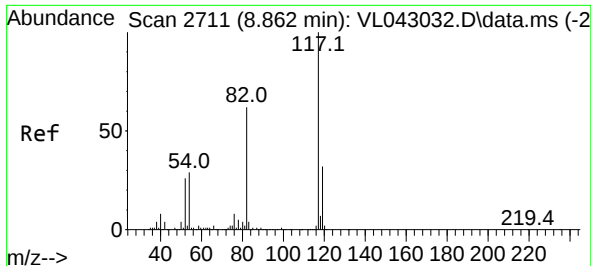
Tgt Ion: 49 Resp: 171264
Ion Ratio Lower Upper
49 100
128 47.9 24.1 72.2
130 61.6 31.4 94.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.023 min
Lab File: VL043060.D
Acq: 08 Oct 2025 12:49

Tgt Ion: 114 Resp: 454416
Ion Ratio Lower Upper
114 100
63 25.6 19.4 29.2
88 17.6 13.9 20.9

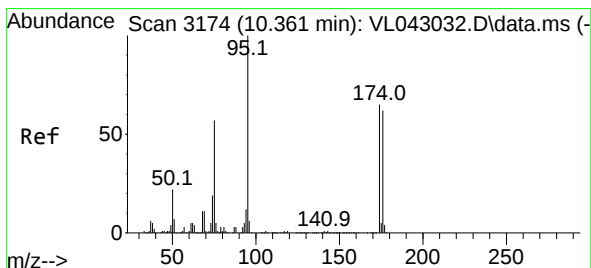
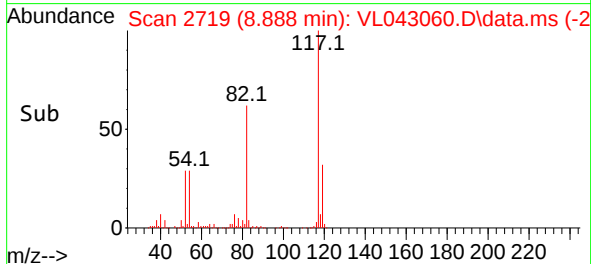
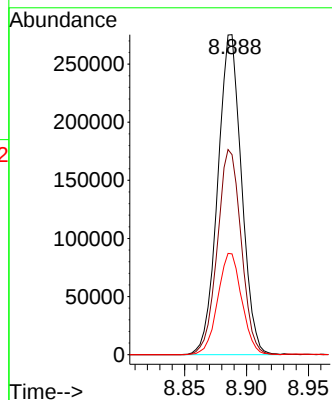
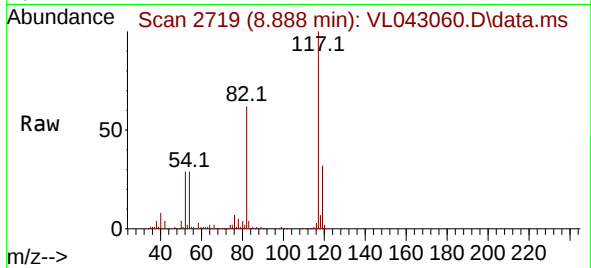




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL043060.D
Acq: 08 Oct 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion:117 Resp: 368870
Ion Ratio Lower Upper
117 100
82 64.2 53.0 79.6
119 32.2 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.594 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.020 min
Lab File: VL043060.D
Acq: 08 Oct 2025 12:49

Tgt Ion: 95 Resp: 254931
Ion Ratio Lower Upper
95 100
174 64.6 52.3 78.5
175 4.8 3.8 5.8

