

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061725\
 Data File : VL042644.D
 Acq On : 17 Jun 2025 12:54
 Operator : SY/MD
 Sample : QC061625 CAN 23182
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC061625 CAN 23182

Quant Time: Jun 18 04:24:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	101910	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	267290	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	230773	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.380	95	176418	10.198	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%

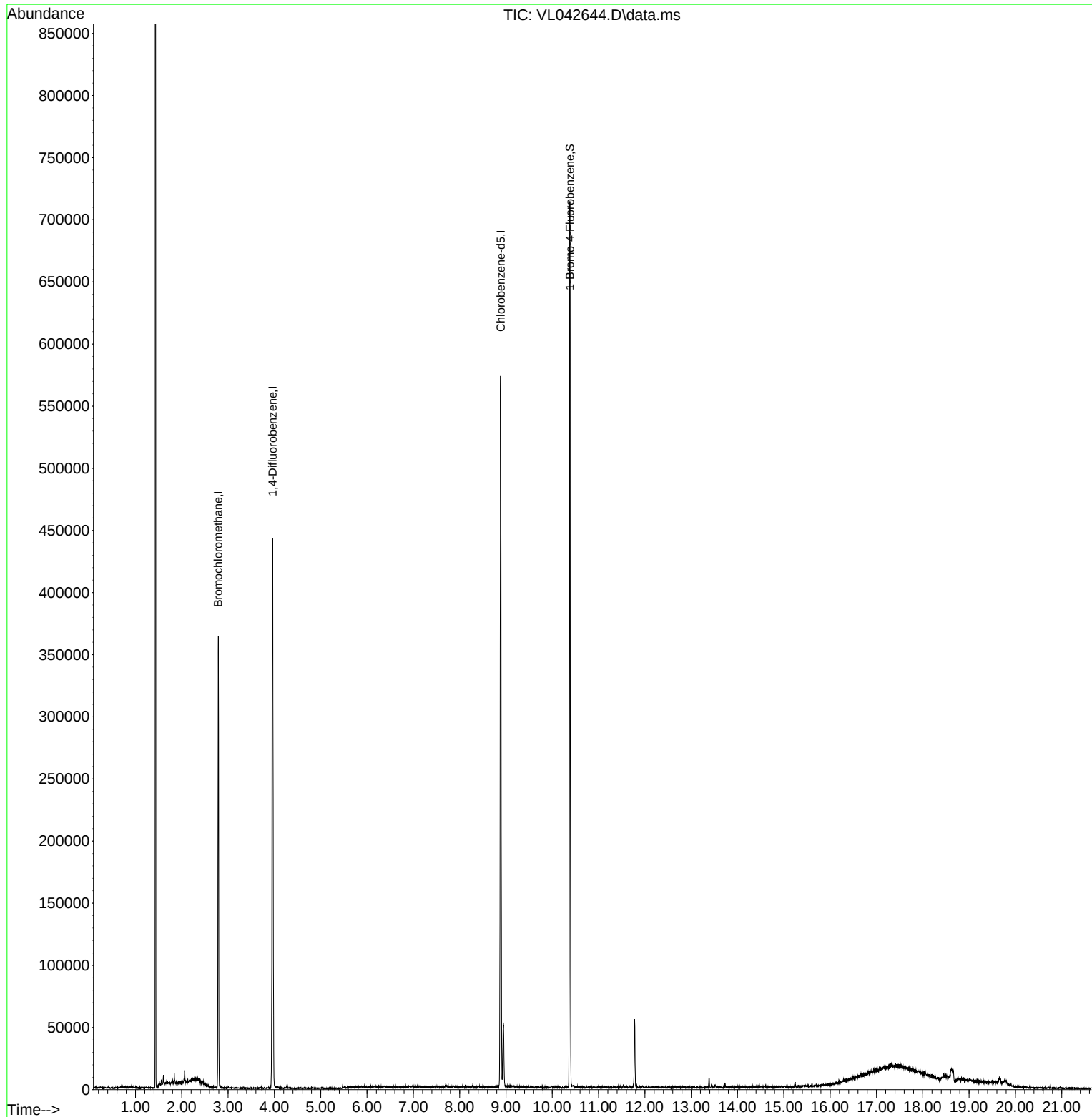
Target Compounds	Qvalue

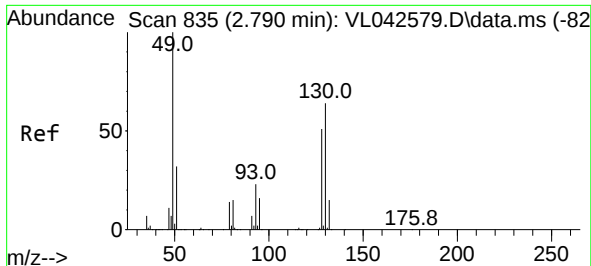
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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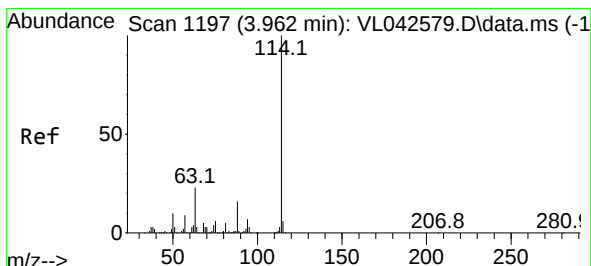
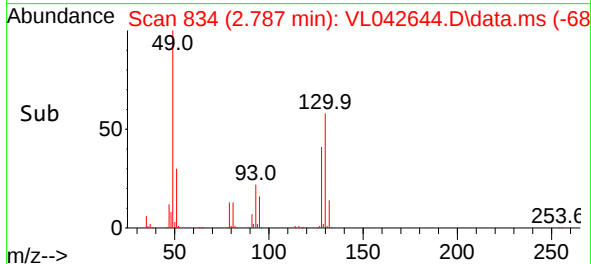
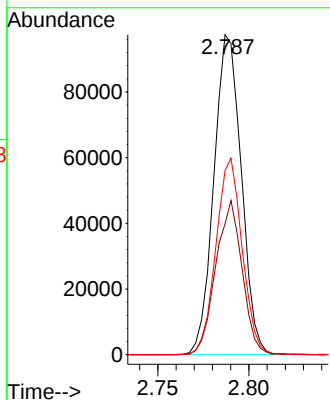
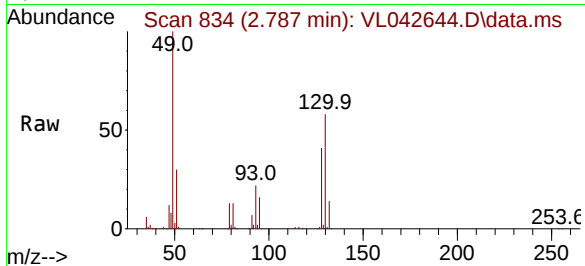




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042644.D
 Acq: 17 Jun 2025 12:54

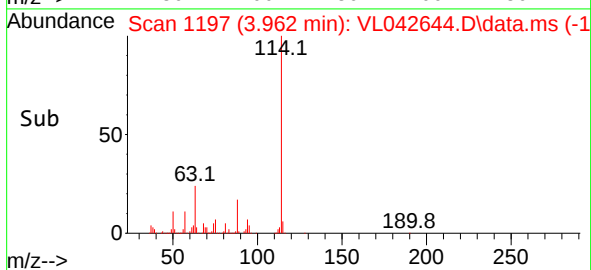
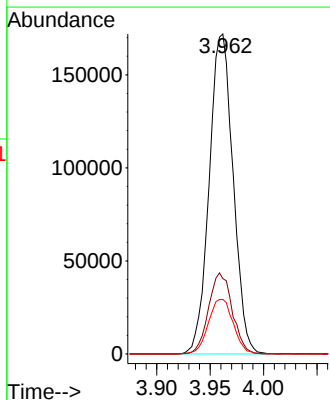
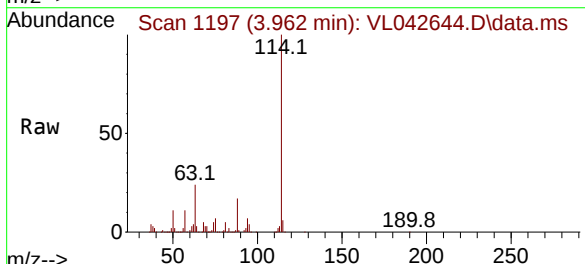
Instrument :
 MSVOA_L
 ClientSampleId :
 QC061625 CAN 23182

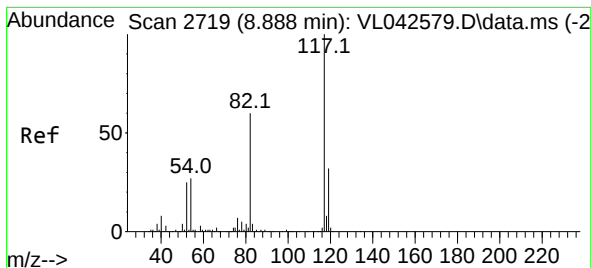
Tgt Ion: 49 Resp: 101910
 Ion Ratio Lower Upper
 49 100
 128 46.3 24.2 72.6
 130 58.9 30.4 91.2



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. -0.000 min
 Lab File: VL042644.D
 Acq: 17 Jun 2025 12:54

Tgt Ion: 114 Resp: 267290
 Ion Ratio Lower Upper
 114 100
 63 25.3 19.0 28.6
 88 17.7 13.6 20.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042644.D

Acq: 17 Jun 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

QC061625 CAN 23182

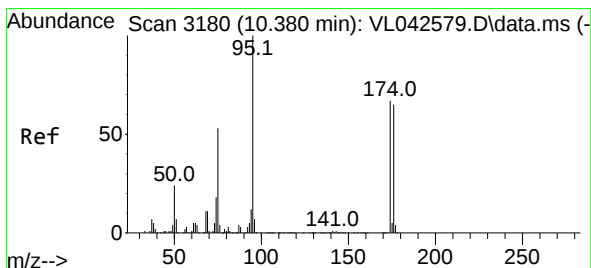
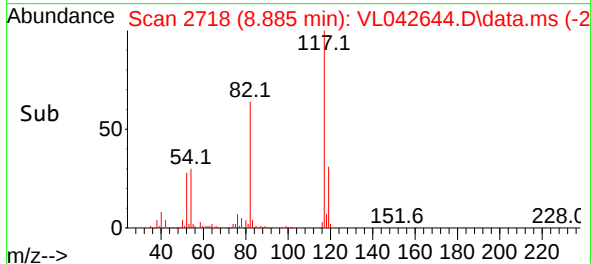
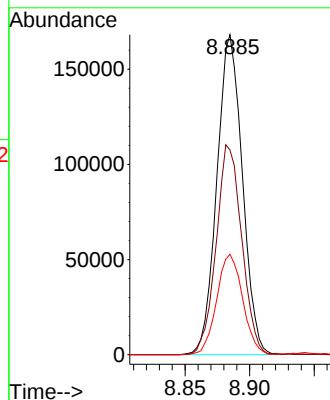
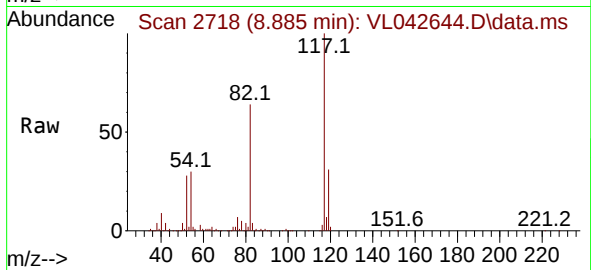
Tgt Ion:117 Resp: 230773

Ion Ratio Lower Upper

117 100

82 66.1 51.2 76.8

119 32.1 26.3 39.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.198 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. -0.000 min

Lab File: VL042644.D

Acq: 17 Jun 2025 12:54

Tgt Ion: 95 Resp: 176418

Ion Ratio Lower Upper

95 100

174 61.8 53.1 79.7

175 4.7 4.2 6.2

