

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042853.D
 Acq On : 13 Aug 2025 15:49
 Operator : SY/MD
 Sample : Q2126-14 0.1 PPB LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

Quant Time: Aug 14 02:51:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 14 02:51:42 2025
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

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

Internal Standards						
1) Bromochloromethane	2.800	49	130840	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.975	114	403155	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	352573	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	266993	10.097	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						
54) 1,2-Dibromoethane	7.674	107	2038m	0.093	ppbv	Qvalue
79) Naphthalene	13.526	128	3566m	0.071	ppbv	

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

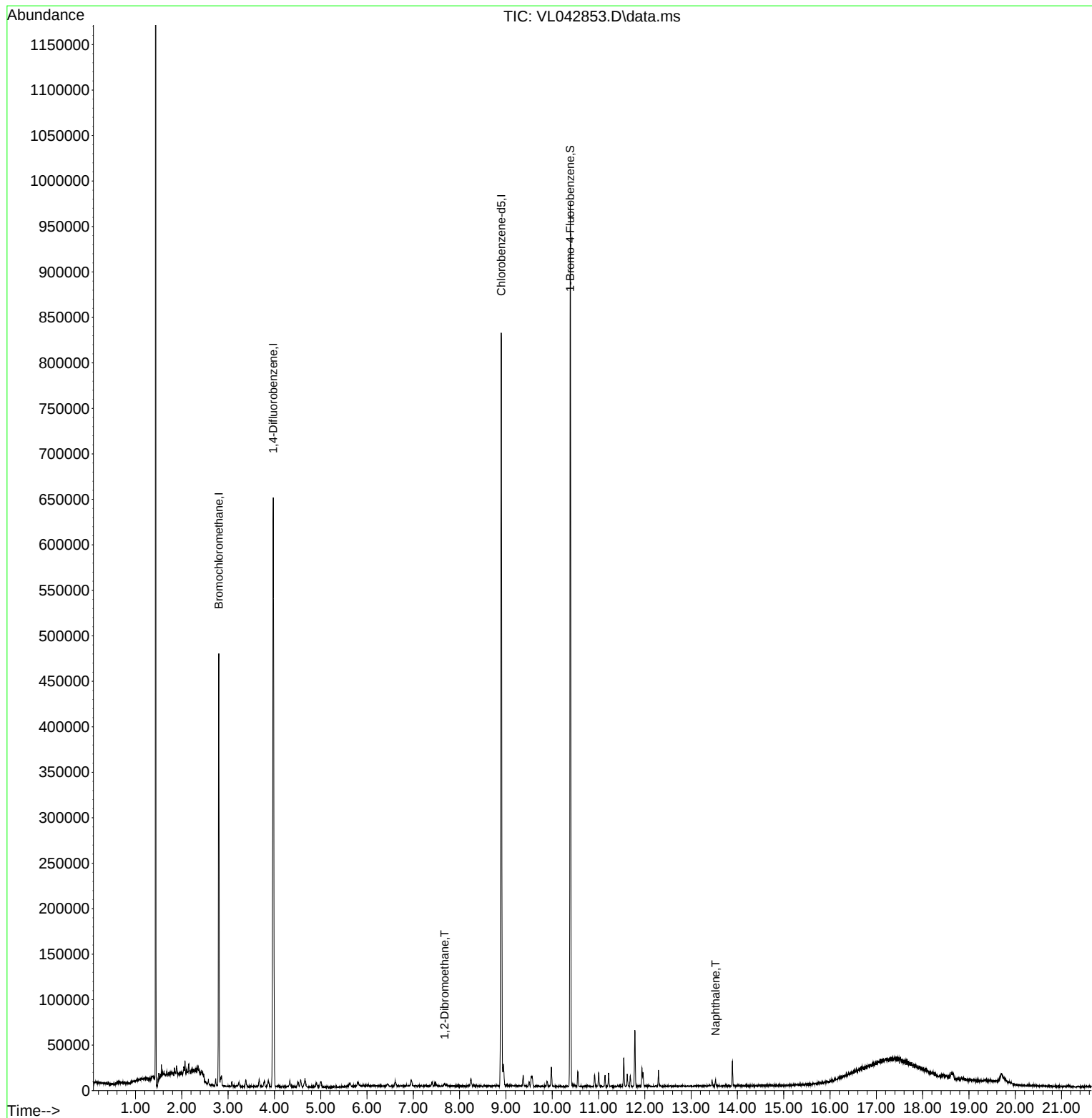
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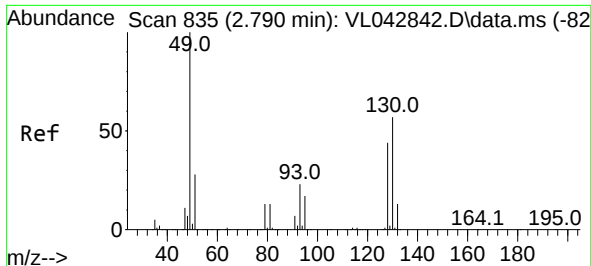
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
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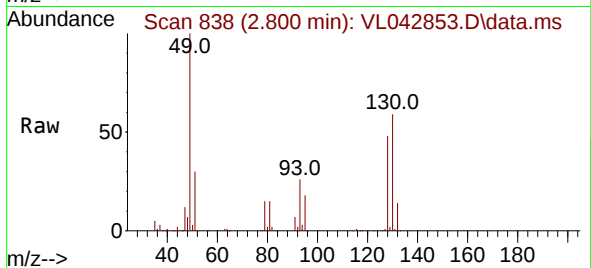
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

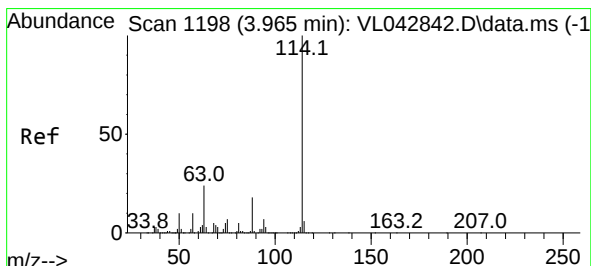
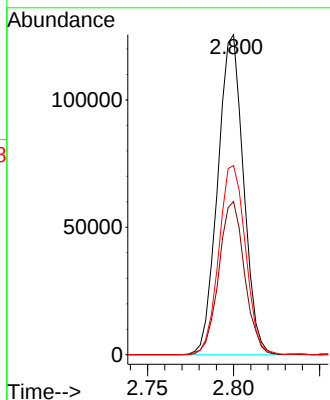
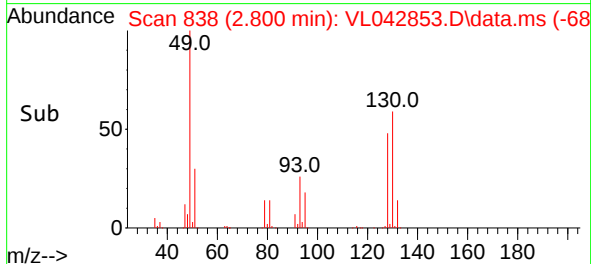
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



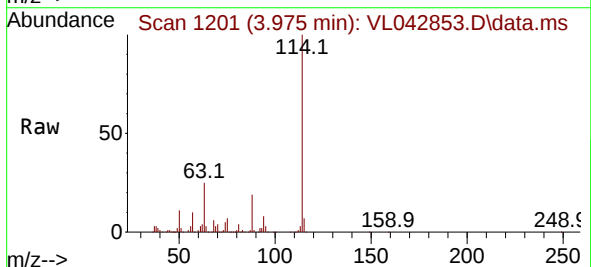
Tgt Ion: 49 Resp: 130840
Ion Ratio Lower Upper
49 100
128 47.8 23.7 71.1
130 61.1 30.6 91.6

Manual Integrations
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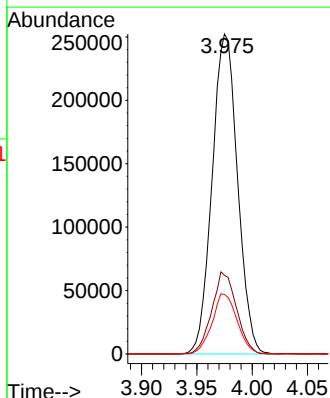
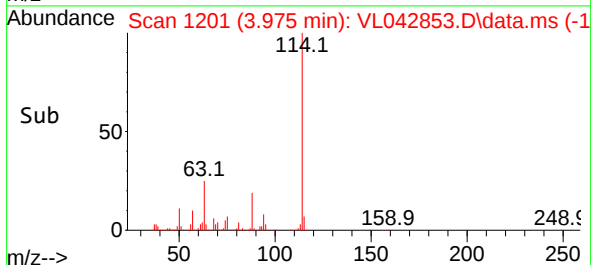
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

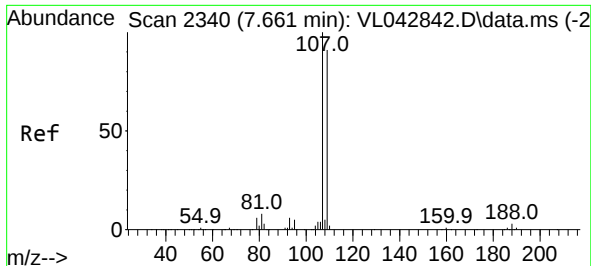


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49



Tgt Ion:114 Resp: 403155
Ion Ratio Lower Upper
114 100
63 25.0 19.7 29.5
88 18.5 14.4 21.6





#54

1,2-Dibromoethane

Concen: 0.093 ppbv m

RT: 7.674 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Instrument :

MSVOA_L

ClientSampleId :

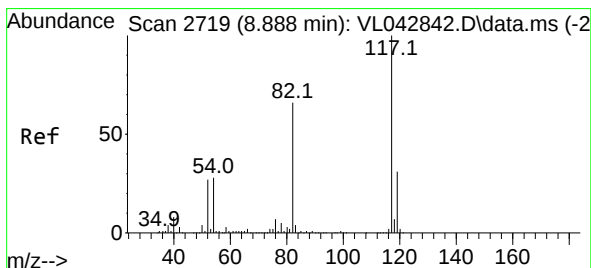
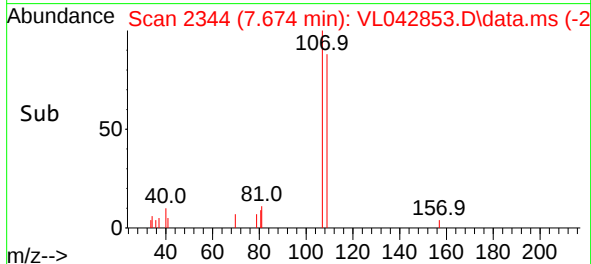
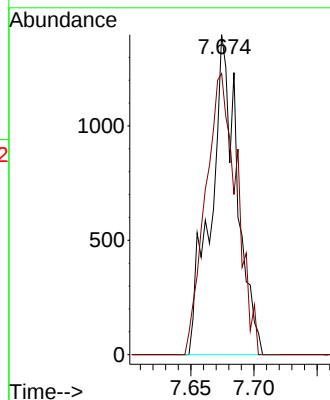
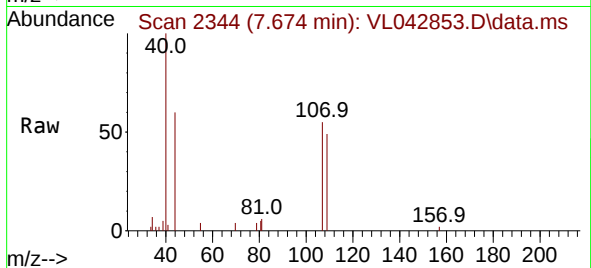
LOQ-AIR-02-QT2-2025

Tgt Ion:	107	Resp:	2038
Ion	Ratio	Lower	Upper
107	100		
109	87.8	72.5	108.7

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

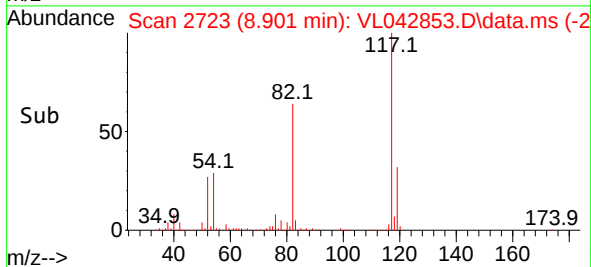
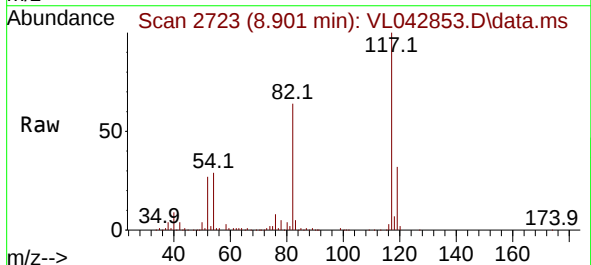
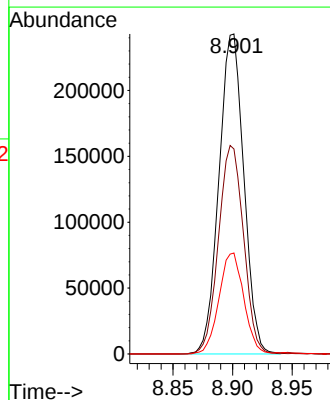
RT: 8.901 min Scan# 2723

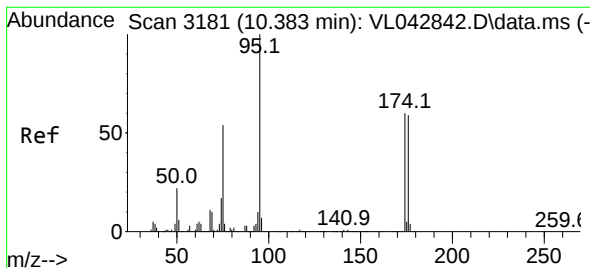
Delta R.T. 0.013 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

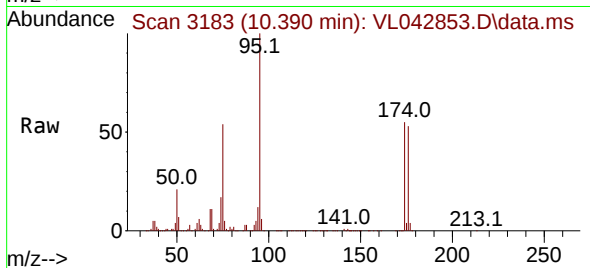
Tgt Ion:	117	Resp:	352573
Ion	Ratio	Lower	Upper
117	100		
82	65.6	54.6	81.8
119	31.9	25.9	38.9





#68
1-Bromo-4-Fluorobenzene
Concen: 10.097 ppbv
RT: 10.390 min Scan# 3181
Delta R.T. 0.007 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

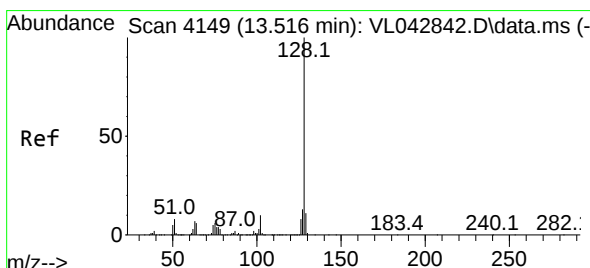
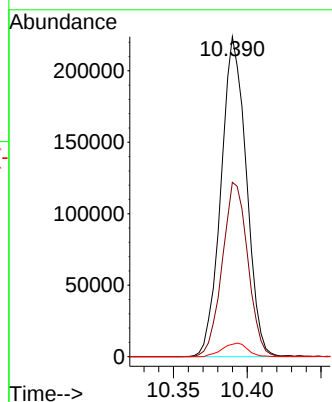
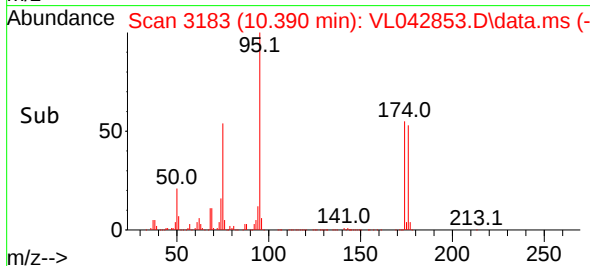
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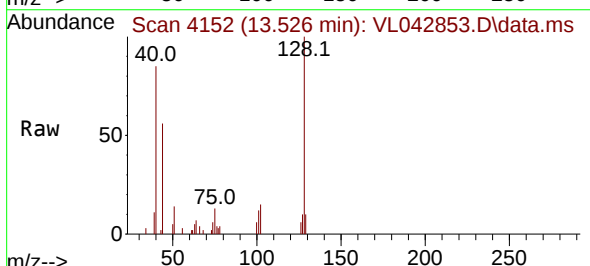
Tgt Ion: 95 Resp: 266993
Ion Ratio Lower Upper
95 100
174 55.2 48.4 72.6
175 4.3 3.8 5.8

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#79
Naphthalene
Concen: 0.071 ppbv m
RT: 13.526 min Scan# 4152
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49



Tgt Ion:128 Resp: 3566
Ion Ratio Lower Upper
128 100
127 10.3 10.6 16.0#
129 9.9 8.9 13.3

