

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042994.D
 Acq On : 23 Sep 2025 16:25
 Operator : SY/MD
 Sample : Q2893-14 0.1 PPB LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

Quant Time: Sep 24 02:24:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Sep 24 02:23:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Bromochloromethane	2.793	49	152715	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	407488	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.891	117	359028	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	279008	10.411	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.100%
Target Compounds						
54) 1,2-Dibromoethane	7.661	107	2238m	0.108	ppbv	Qvalue
79) Naphthalene	13.523	128	1852m	0.040	ppbv	

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

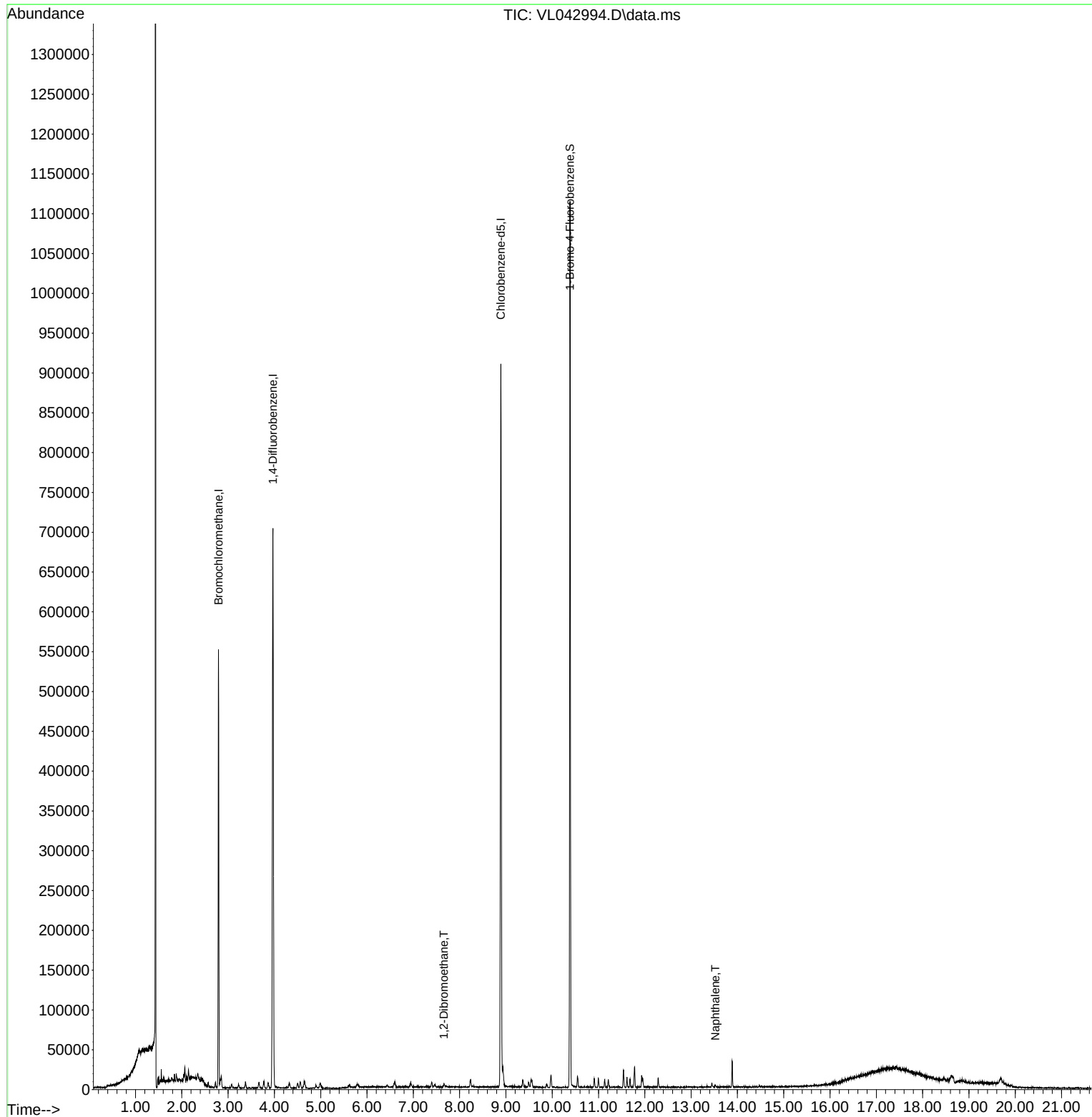
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
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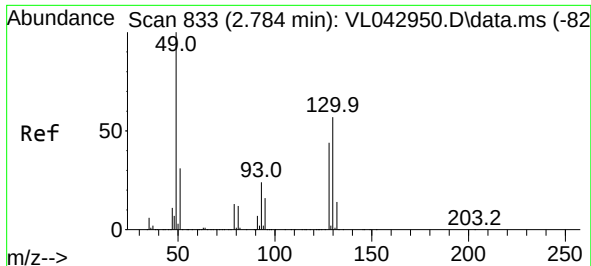
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Quant Time: Sep 24 02:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Sep 24 02:23:20 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

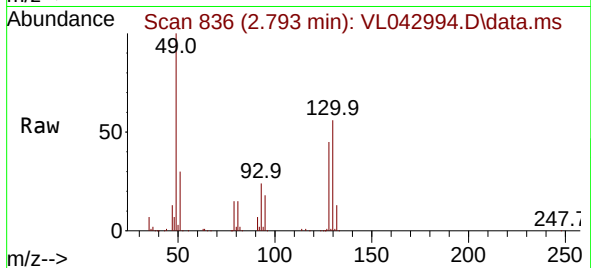
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

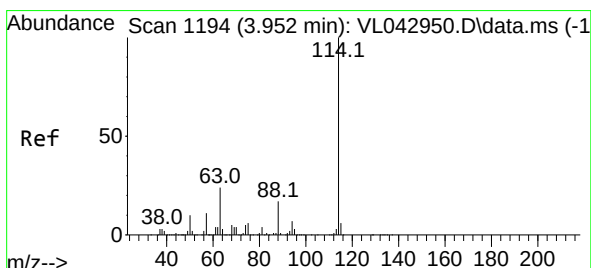
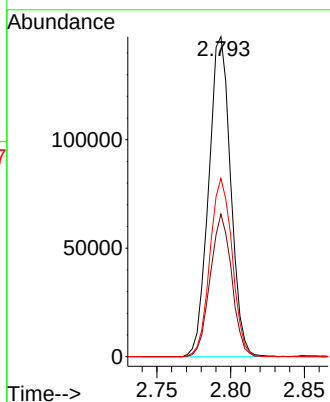
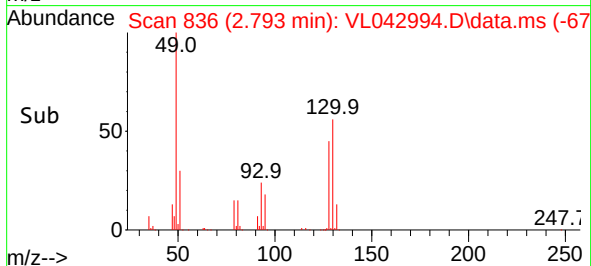
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



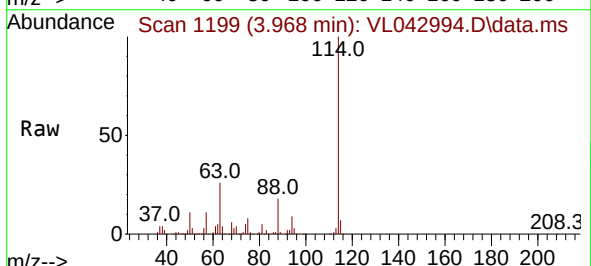
Tgt Ion: 49 Resp: 152715
Ion Ratio Lower Upper
49 100
128 43.5 22.9 68.8
130 56.5 29.1 87.3

Manual Integrations
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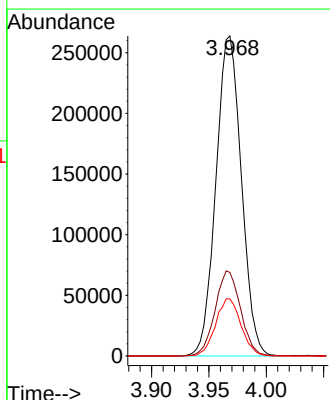
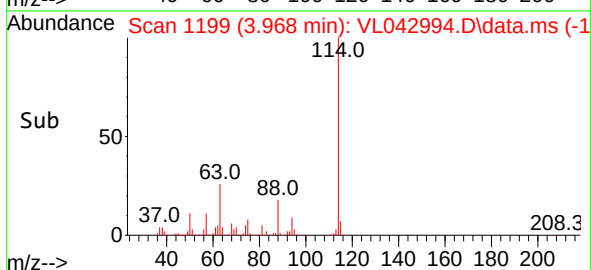
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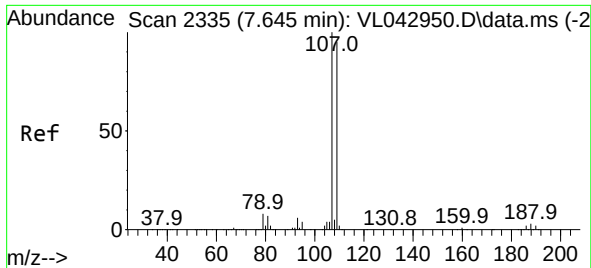


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.016 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25



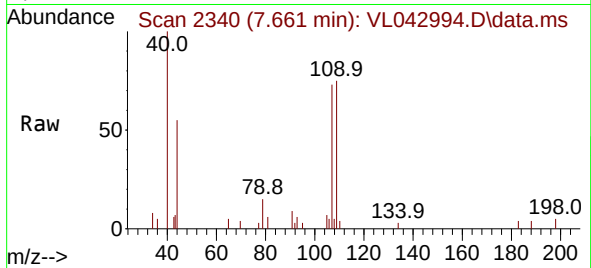
Tgt Ion:114 Resp: 407488
Ion Ratio Lower Upper
114 100
63 26.6 19.4 29.2
88 17.9 14.2 21.2





#54
1,2-Dibromoethane
Concen: 0.108 ppbv m
RT: 7.661 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

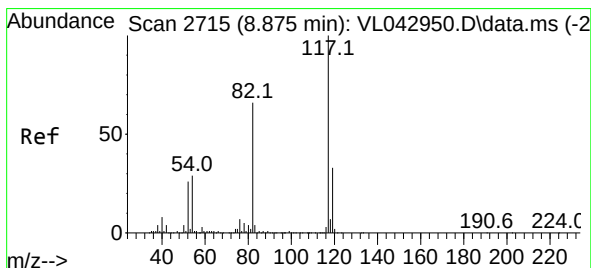
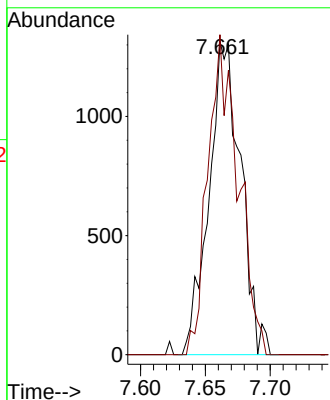
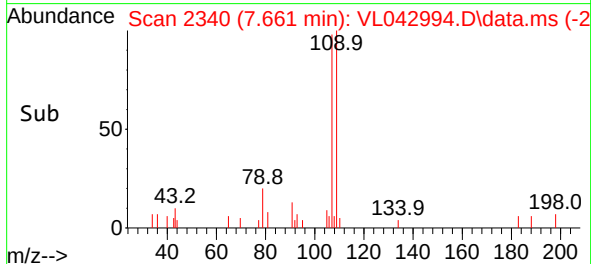
Instrument :
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ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion:107 Resp: 2238
Ion Ratio Lower Upper
107 100
109 102.1 75.8 113.8

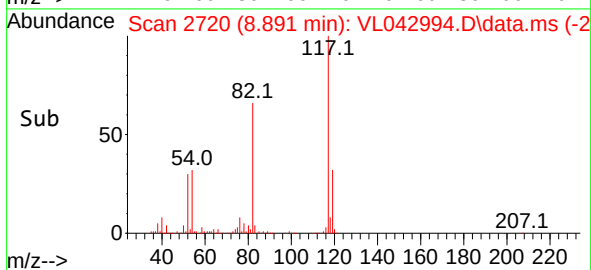
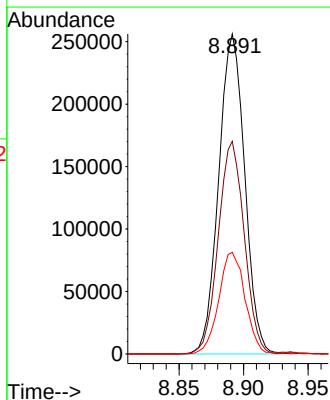
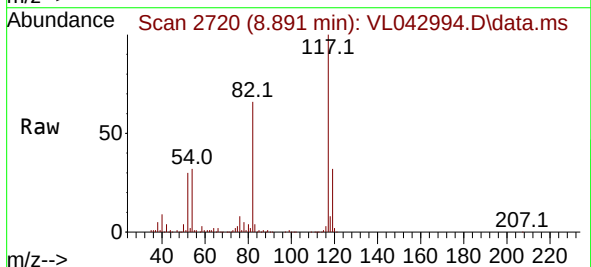
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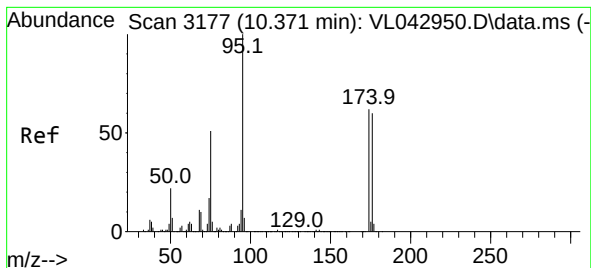
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.016 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

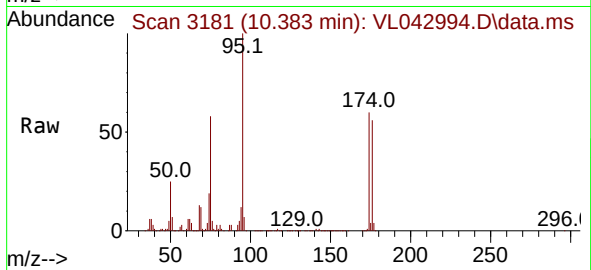
Tgt Ion:117 Resp: 359028
Ion Ratio Lower Upper
117 100
82 66.5 52.8 79.2
119 32.5 26.5 39.7





#68
1-Bromo-4-Fluorobenzene
Concen: 10.411 ppbv
RT: 10.383 min Scan# 3177
Delta R.T. 0.013 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

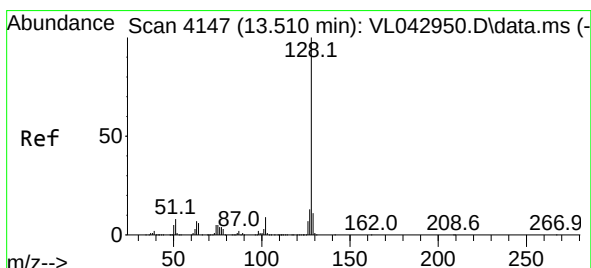
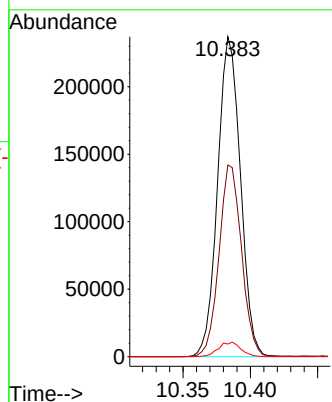
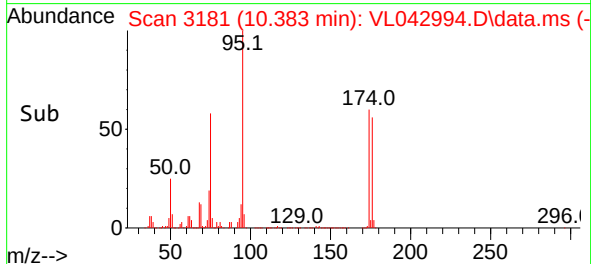
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 95 Resp: 279000
Ion Ratio Lower Upper
95 100
174 59.2 51.4 77.2
175 4.5 4.0 6.0

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#79
Naphthalene
Concen: 0.040 ppbv m
RT: 13.523 min Scan# 4151
Delta R.T. 0.013 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion:128 Resp: 1852
Ion Ratio Lower Upper
128 100
127 15.7 10.6 15.8
129 9.8 9.0 13.6

