

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042560.D
 Acq On : 21 May 2025 11:27
 Operator : SY/MD
 Sample : MDL 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025

Quant Time: May 21 23:02:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed May 21 00:21:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	111905	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	349175	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	300601	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	235594	9.793	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
5) Vinyl Chloride	1.583	62	209	0.028	ppbv #	Qvalue 63

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

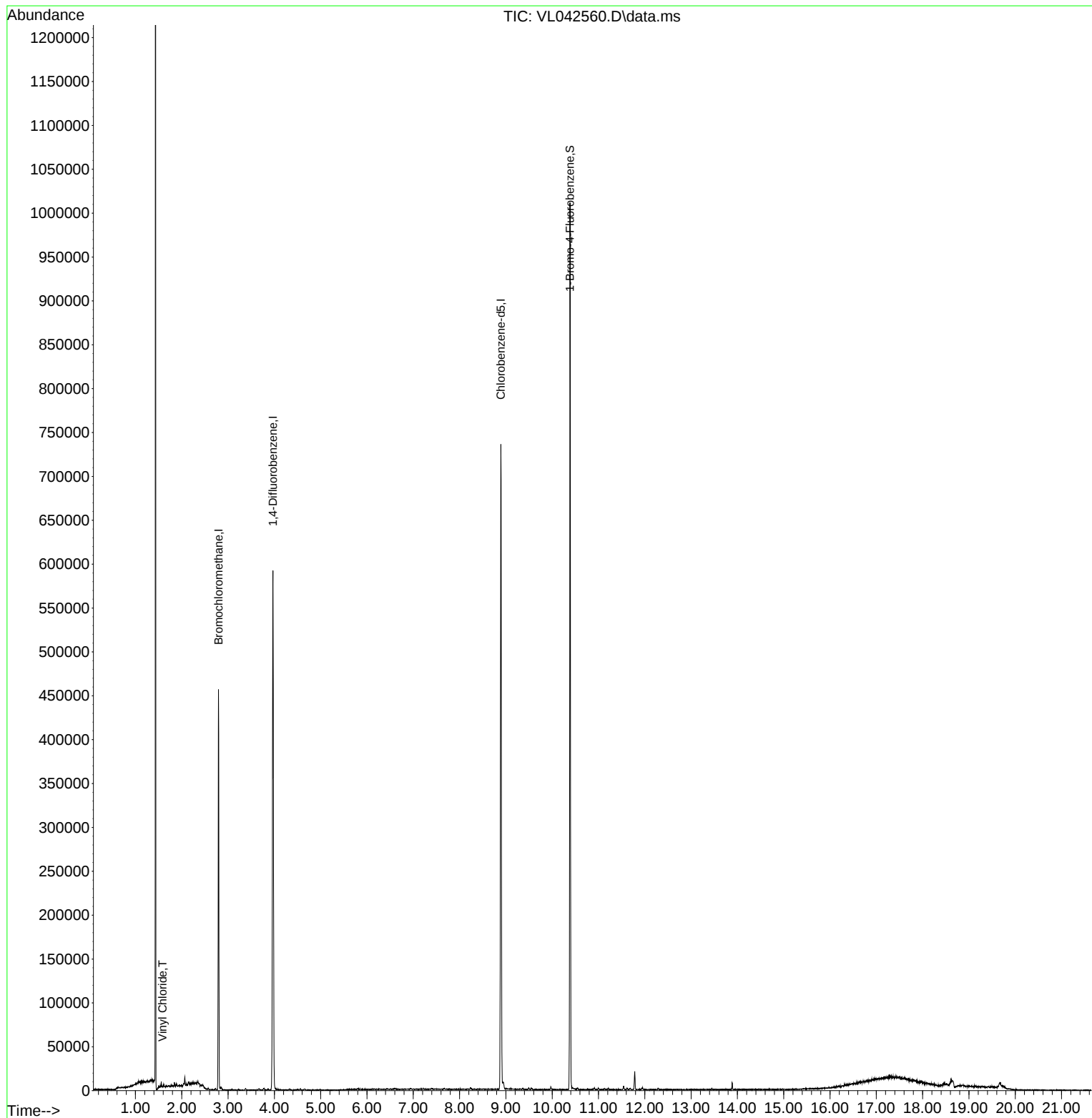
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
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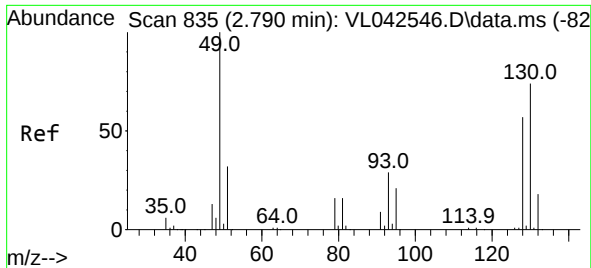
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

Quant Time: May 21 23:02:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
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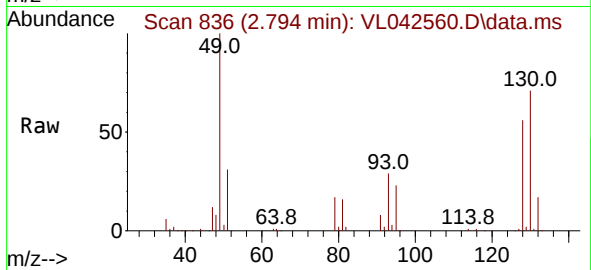
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042560.D
Acq: 21 May 2025 11:27

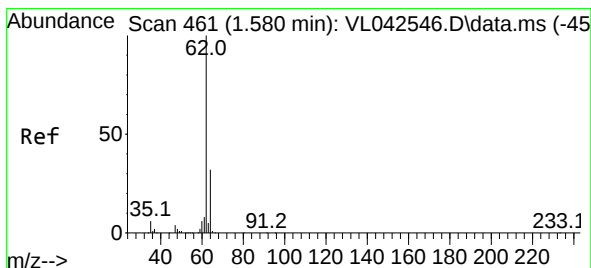
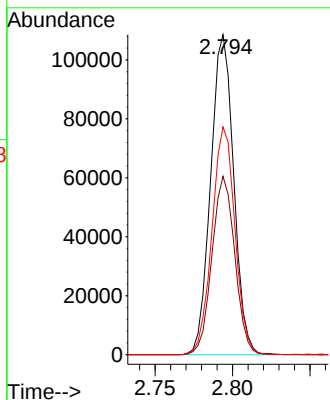
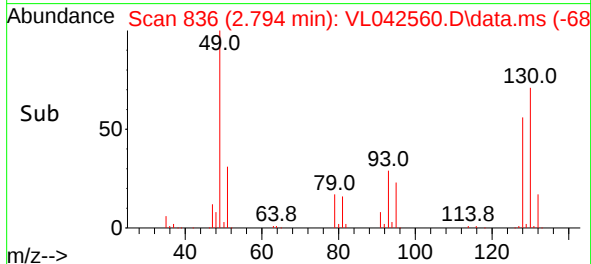
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03



Tgt Ion: 49 Resp: 11190
Ion Ratio Lower Upper
49 100
128 55.4 28.6 85.8
130 71.3 36.6 109.8

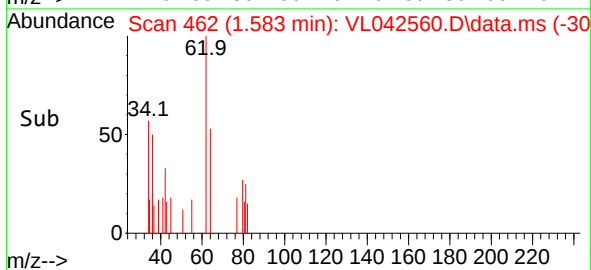
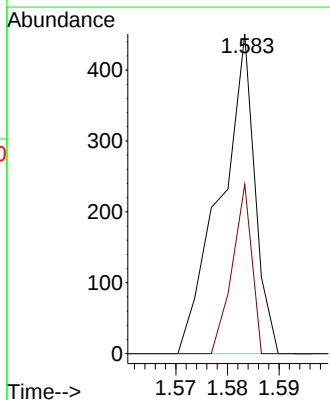
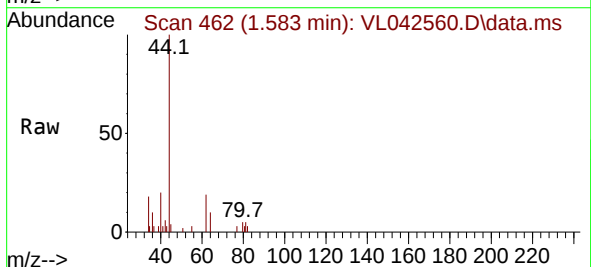
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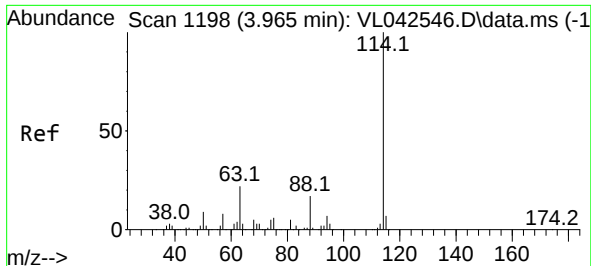
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#5
Vinyl Chloride
Concen: 0.028 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042560.D
Acq: 21 May 2025 11:27

Tgt Ion: 62 Resp: 209
Ion Ratio Lower Upper
62 100
64 53.0 25.7 38.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.969 min Scan# 1198

Delta R.T. 0.003 min

Lab File: VL042560.D

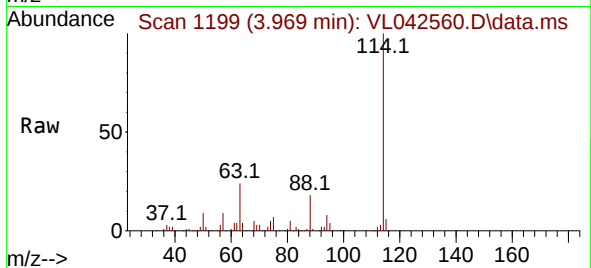
Acq: 21 May 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03



Tgt Ion:114 Resp: 34917

Ion Ratio Lower Upper

114 100

63 23.6 18.4 27.6

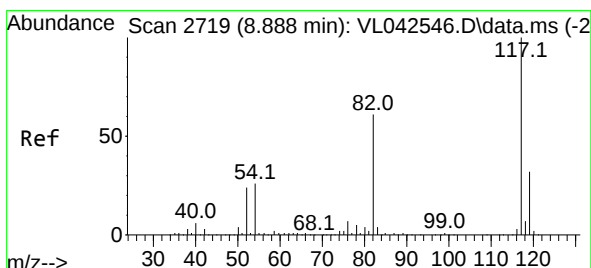
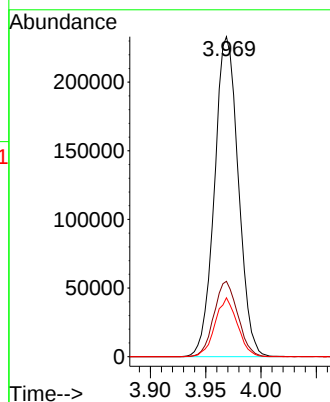
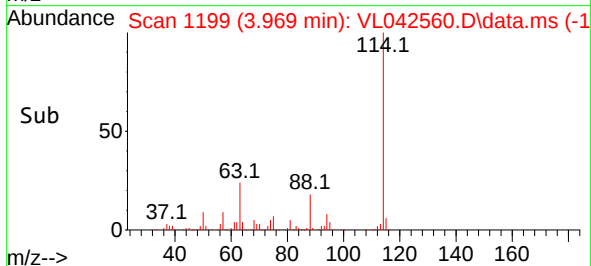
88 17.3 14.0 21.0

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.892 min Scan# 2720

Delta R.T. 0.003 min

Lab File: VL042560.D

Acq: 21 May 2025 11:27

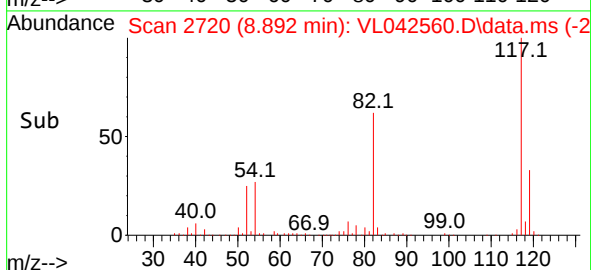
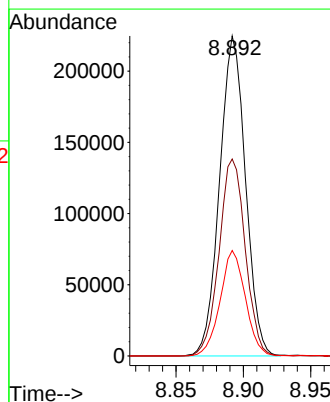
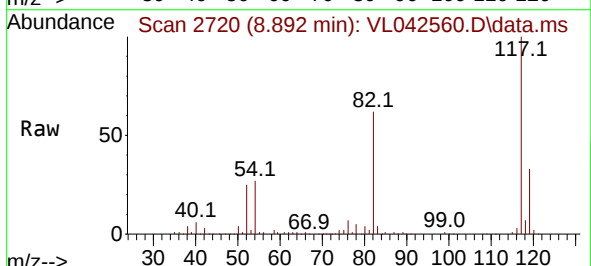
Tgt Ion:117 Resp: 300601

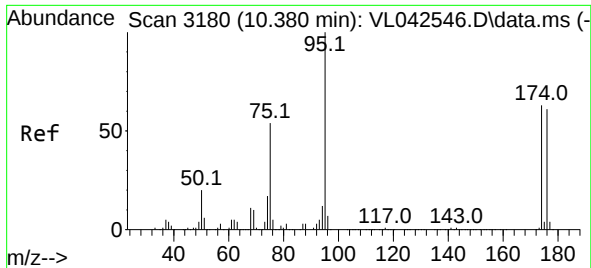
Ion Ratio Lower Upper

117 100

82 62.2 51.0 76.4

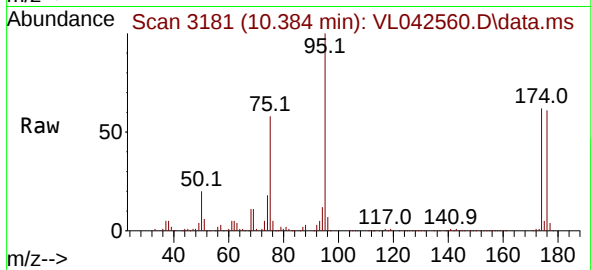
119 32.4 27.0 40.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.793 ppbv
 RT: 10.384 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL042560.D
 Acq: 21 May 2025 11:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03



Tgt Ion: 95 Resp: 235594
 Ion Ratio Lower Upper
 95 100
 174 65.2 52.0 78.0
 175 4.6 3.8 5.6

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