

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042569.D
 Acq On : 21 May 2025 16:53
 Operator : SY/MD
 Sample : MDL 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

Manual Integrations
 APPROVED

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

Quant Time: May 21 23:07:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	2.797	49	102406	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	313519	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	264717	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	225408	10.639	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.400%
Target Compounds						
13) Ethanol	1.725	45	528m	0.664	ppbv	Qvalue

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

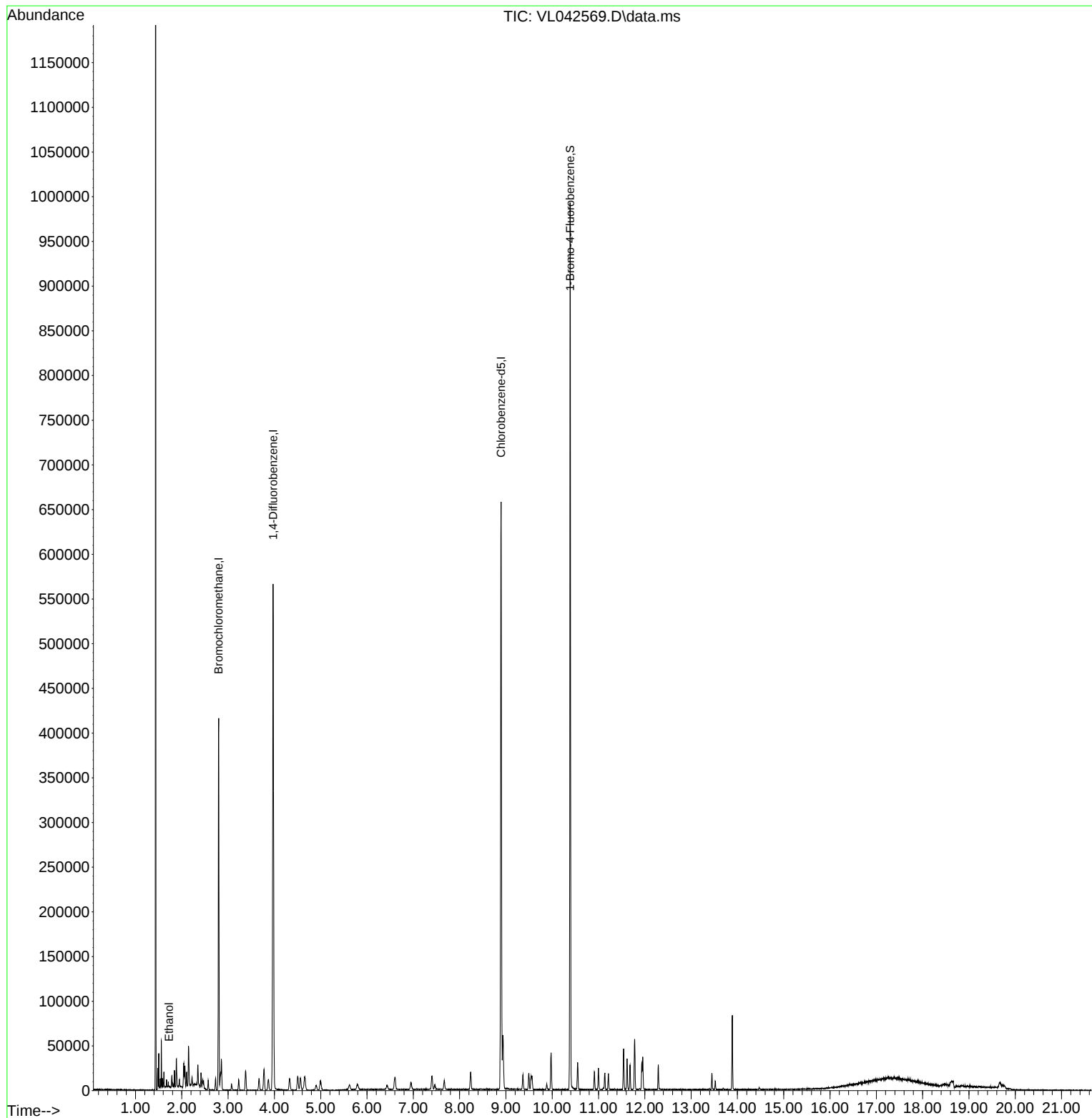
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
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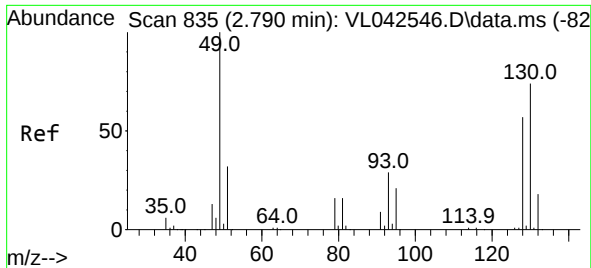
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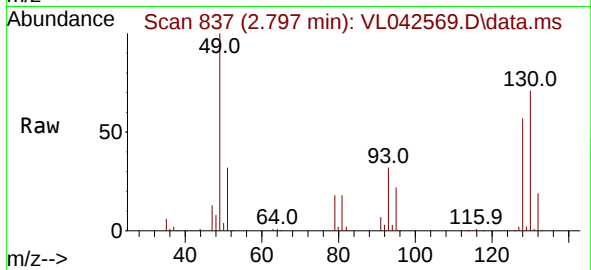
Quant Time: May 21 23:07:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed May 21 00:21:29 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

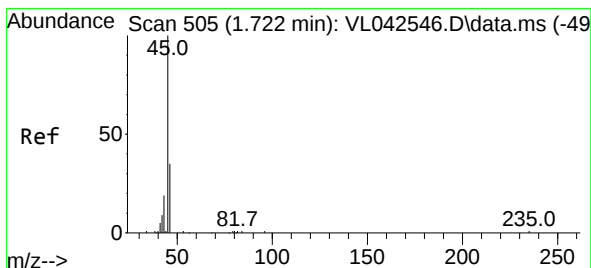
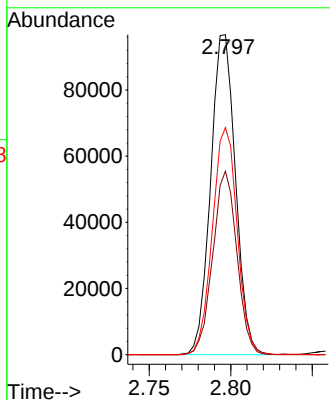
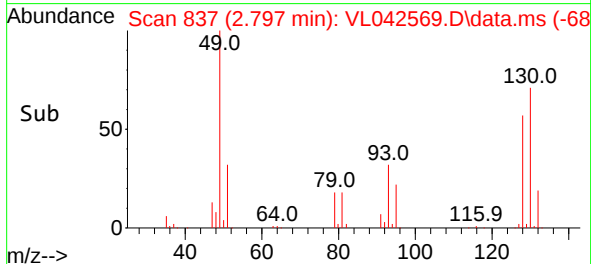
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40



Tgt Ion: 49 Resp: 102400
Ion Ratio Lower Upper
49 100
128 55.7 28.6 85.8
130 70.9 36.6 109.8

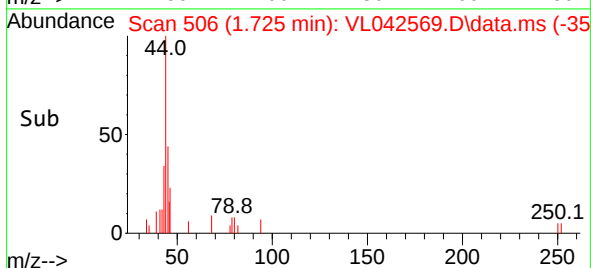
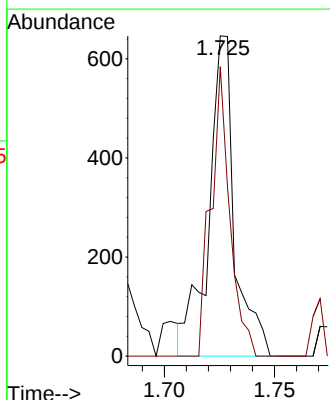
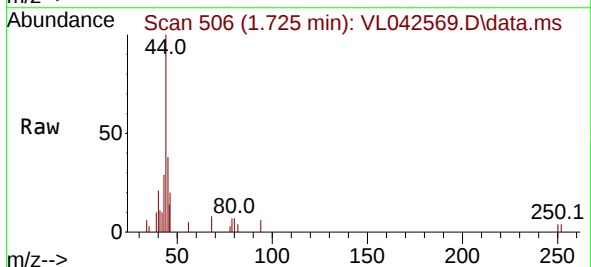
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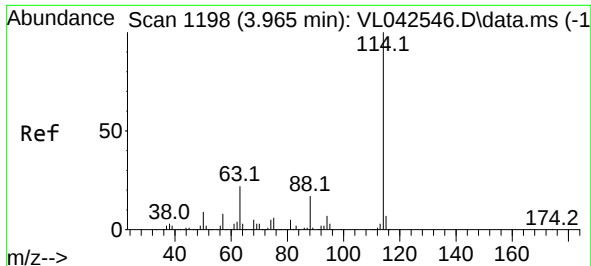
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#13
Ethanol
Concen: 0.664 ppbv m
RT: 1.725 min Scan# 506
Delta R.T. 0.003 min
Lab File: VL042569.D
Acq: 21 May 2025 16:53

Tgt Ion: 45 Resp: 528
Ion Ratio Lower Upper
45 100
46 66.3 15.3 61.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1198

Delta R.T. 0.006 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

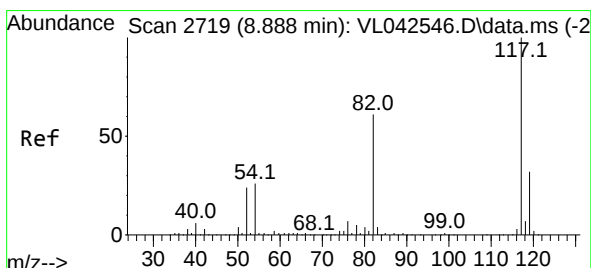
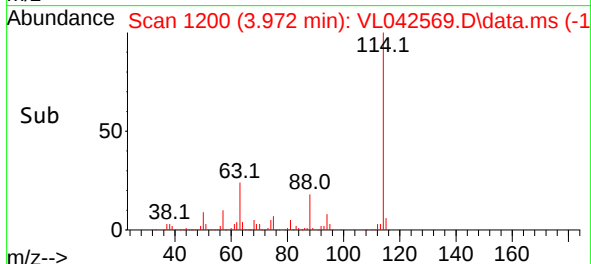
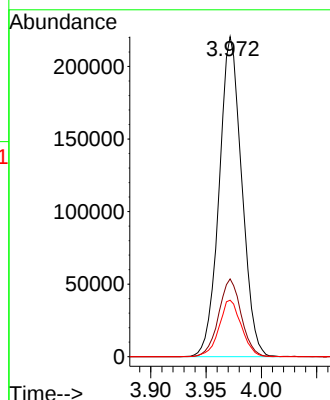
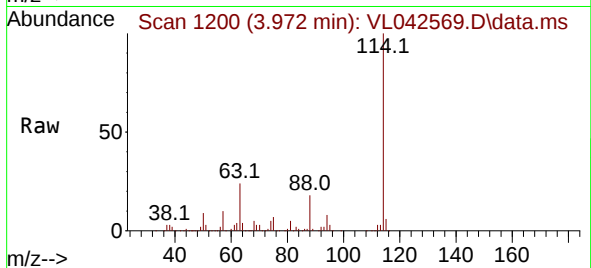
MDL 0.40

Tgt Ion:114	Resp: 313519
Ion Ratio	Lower Upper
114 100	
63 24.3	18.4 27.6
88 17.4	14.0 21.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

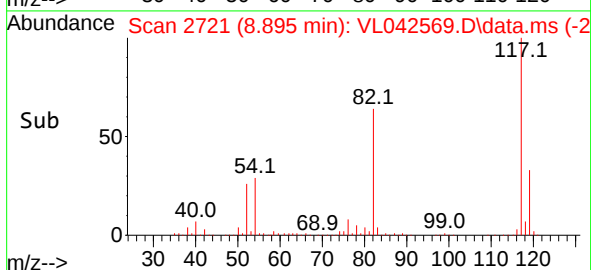
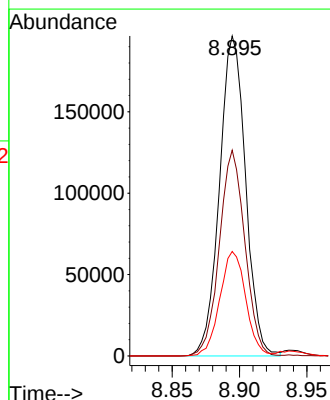
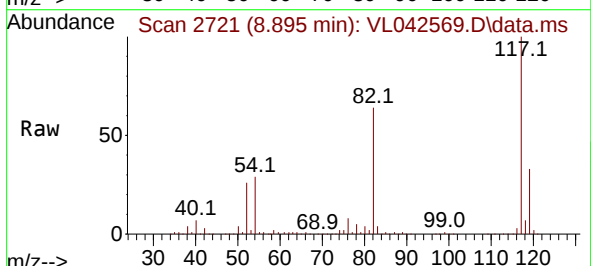
RT: 8.895 min Scan# 2721

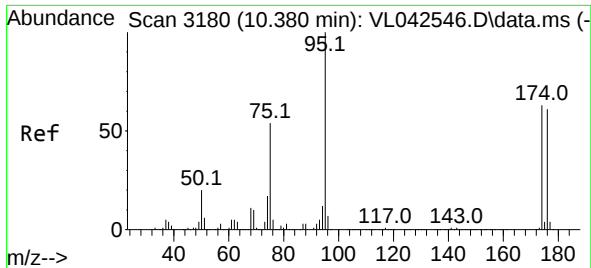
Delta R.T. 0.006 min

Lab File: VL042569.D

Acq: 21 May 2025 16:53

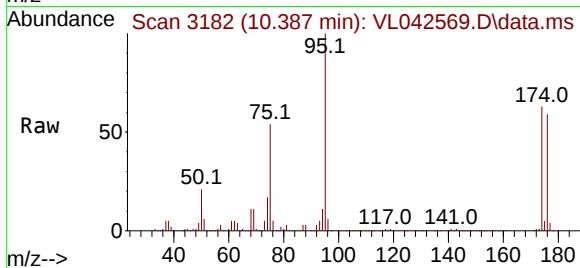
Tgt Ion:117	Resp: 264717
Ion Ratio	Lower Upper
117 100	
82 63.2	51.0 76.4
119 34.0	27.0 40.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.639 ppbv
 RT: 10.387 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VL042569.D
 Acq: 21 May 2025 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40



Tgt Ion: 95 Resp: 225408
 Ion Ratio Lower Upper
 95 100
 174 64.9 52.0 78.0
 175 4.6 3.8 5.6

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