

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042566.D
 Acq On : 21 May 2025 15:18
 Operator : SY/MD
 Sample : MDL 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.45

Quant Time: May 21 23:04:51 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.794	49	106182	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	329023	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	278631	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	234712	10.525	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.300%
Target Compounds						
13) Ethanol	1.725	45	629	0.763	ppbv	Qvalue # 37

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

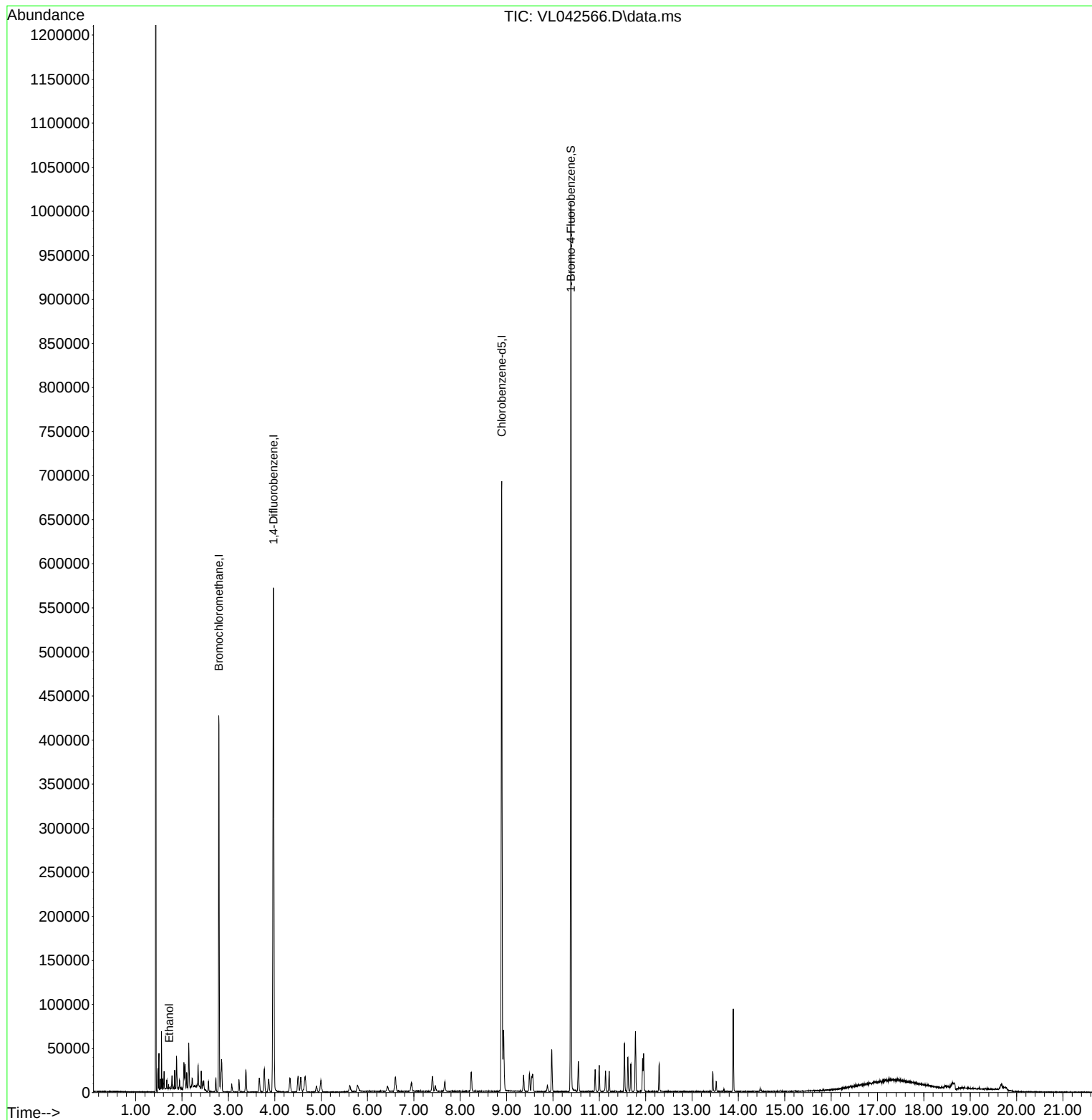
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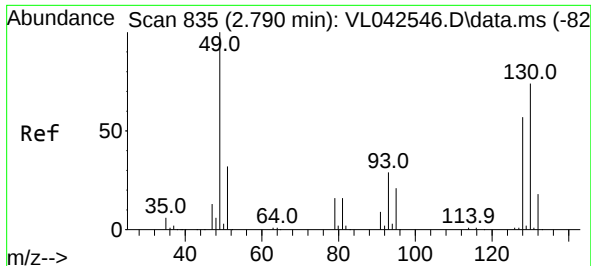
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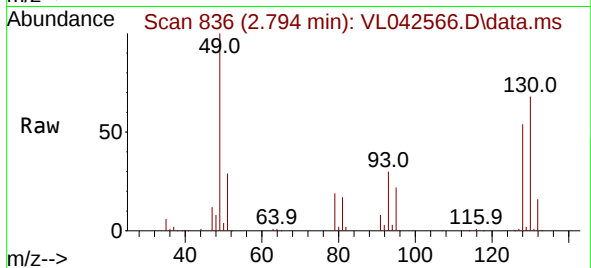
Quant Time: May 21 23:04:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed May 21 00:21:29 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

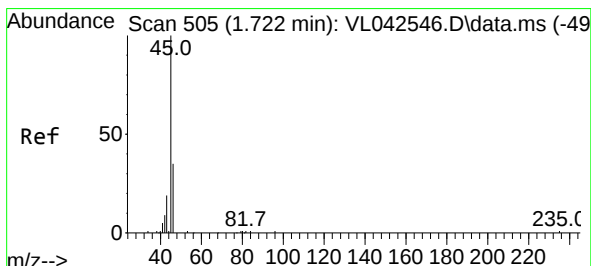
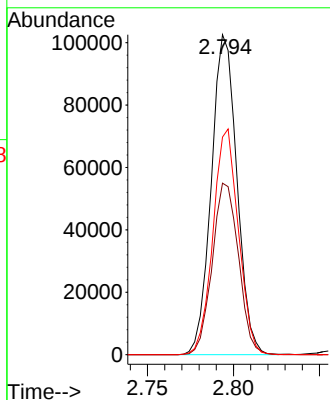
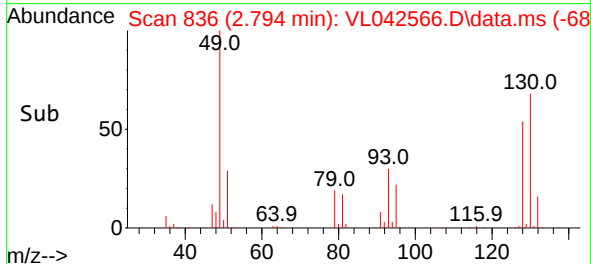
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45



Tgt Ion: 49 Resp: 10618
Ion Ratio Lower Upper
49 100
128 55.0 28.6 85.8
130 70.0 36.6 109.8

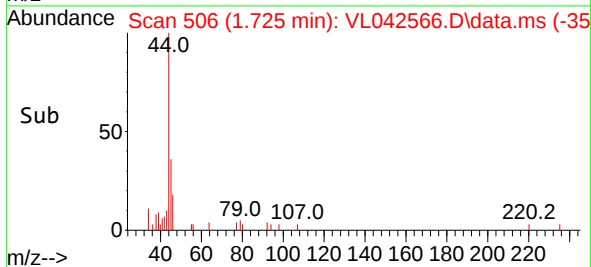
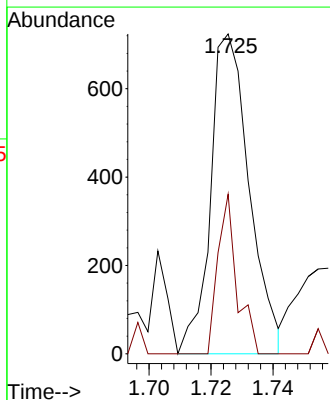
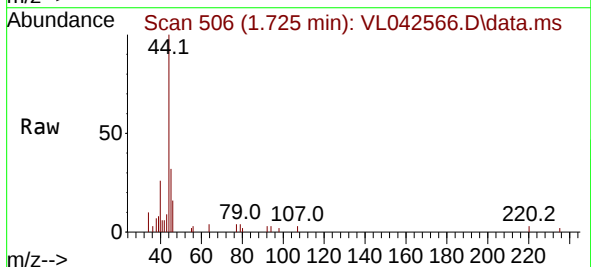
Manual Integrations
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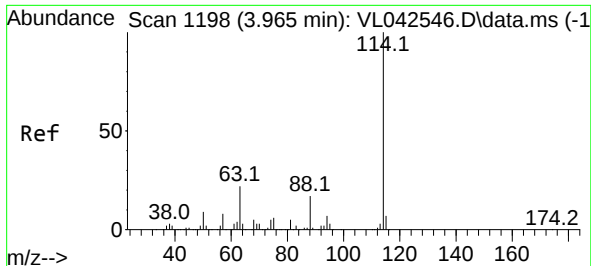
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#13
Ethanol
Concen: 0.763 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 45 Resp: 629
Ion Ratio Lower Upper
45 100
46 0.0 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: VL042566.D

Acq: 21 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.45

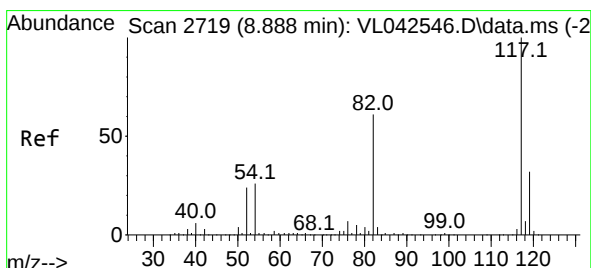
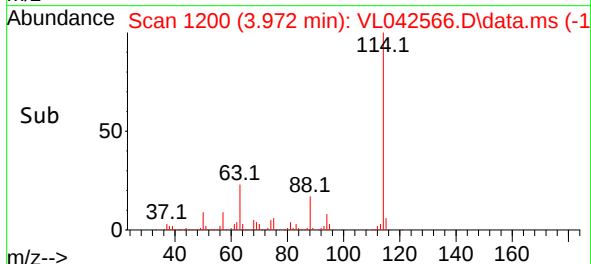
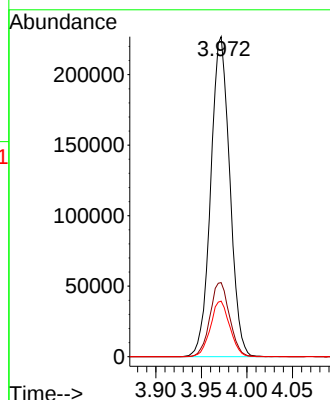
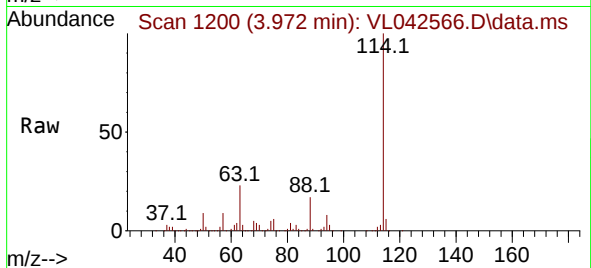
Tgt Ion:114 Resp: 32902

Ion	Ratio	Lower	Upper
114	100		
63	23.9	18.4	27.6
88	17.6	14.0	21.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 2721

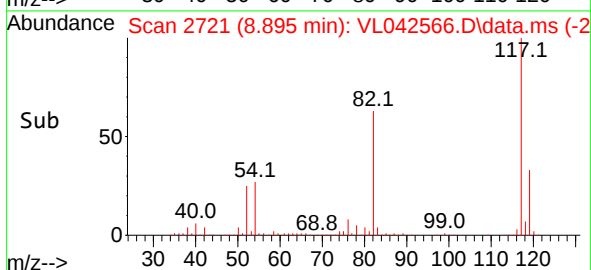
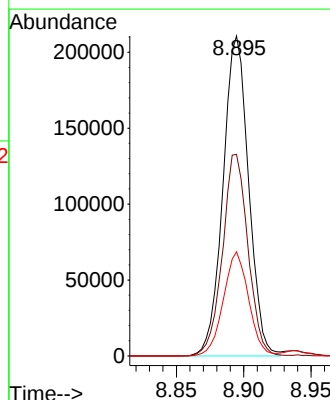
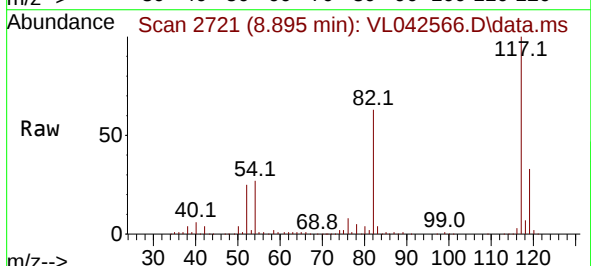
Delta R.T. 0.006 min

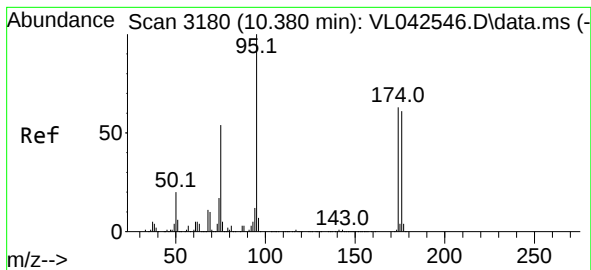
Lab File: VL042566.D

Acq: 21 May 2025 15:18

Tgt Ion:117 Resp: 278631

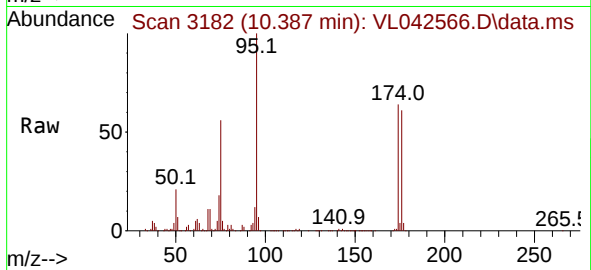
Ion	Ratio	Lower	Upper
117	100		
82	62.9	51.0	76.4
119	33.7	27.0	40.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.525 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.006 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.45



Tgt Ion: 95 Resp: 234712

Ion	Ratio	Lower	Upper
95	100		
174	65.2	52.0	78.0
175	4.5	3.8	5.6

Manual Integrations
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