

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052225\
 Data File : VL042575.D
 Acq On : 22 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 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:47:11 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	2.797	49	125849	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	388927	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	331913	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	257942	9.710	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
5) Vinyl Chloride	1.586	62	341	0.041	ppbv	Qvalue 94

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

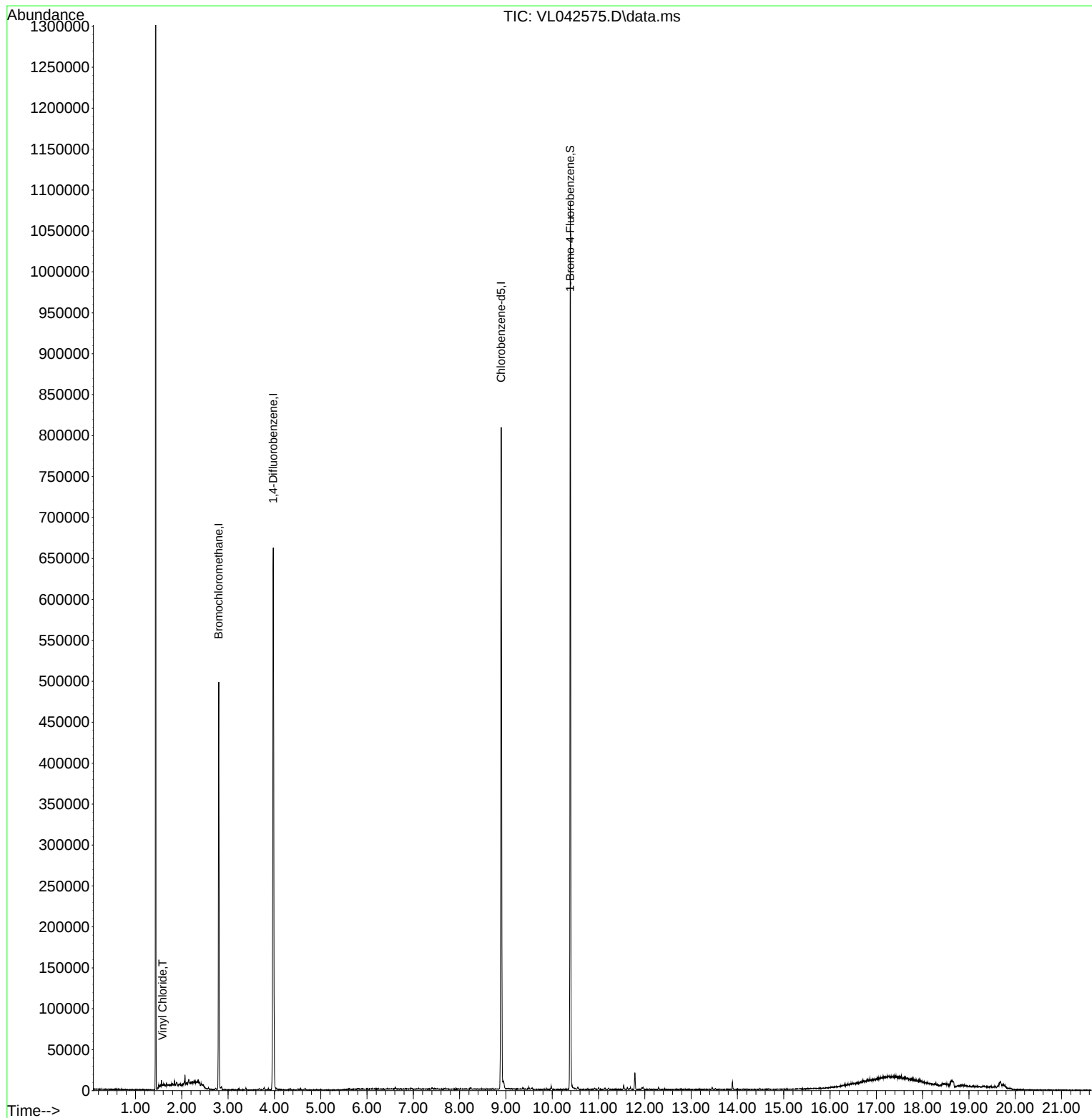
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052225\
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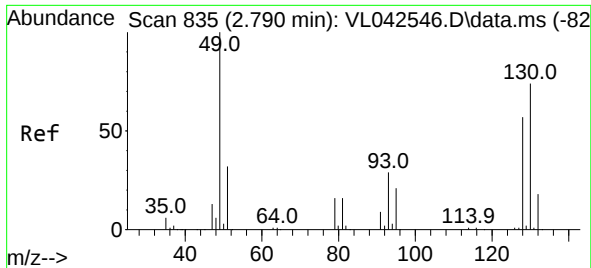
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.797 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL042575.D

Acq: 22 May 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

Tgt Ion: 49 Resp: 125849

Ion Ratio Lower Upper

49 100

128 56.0 28.6 85.8

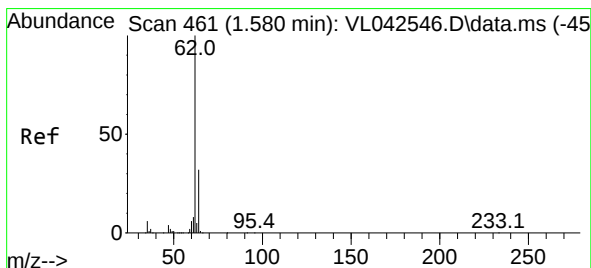
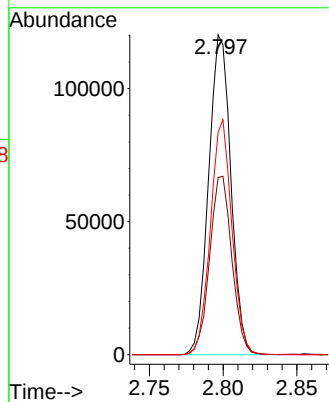
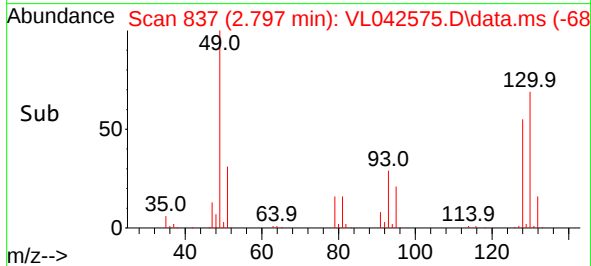
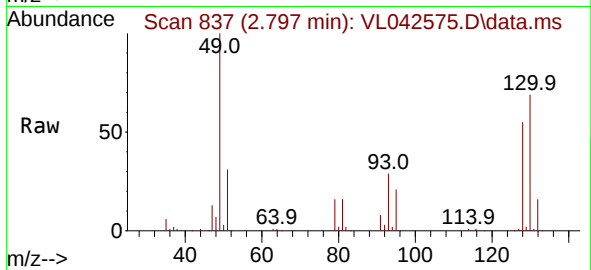
130 71.1 36.6 109.8

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#5

Vinyl Chloride

Concen: 0.041 ppbv

RT: 1.586 min Scan# 463

Delta R.T. 0.006 min

Lab File: VL042575.D

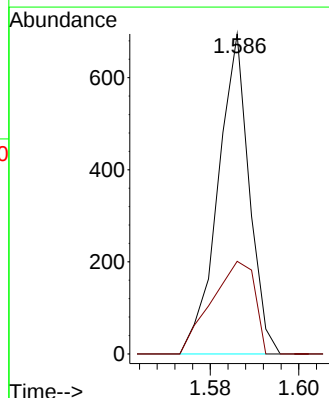
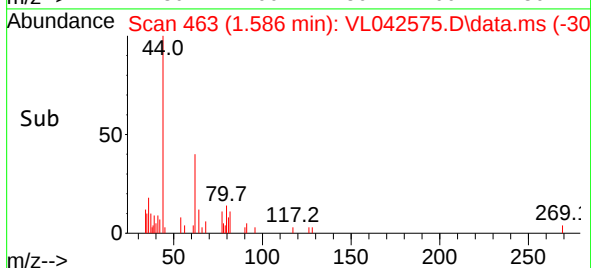
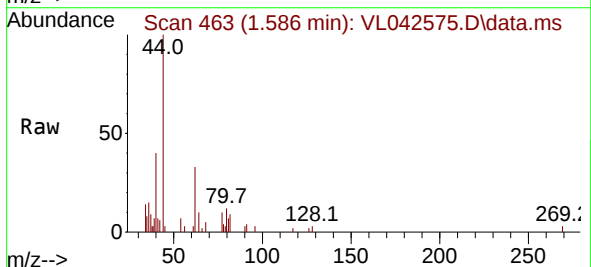
Acq: 22 May 2025 11:27

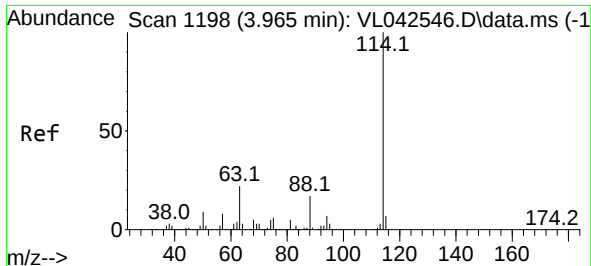
Tgt Ion: 62 Resp: 341

Ion Ratio Lower Upper

62 100

64 28.9 25.7 38.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1198

Delta R.T. 0.009 min

Lab File: VL042575.D

Acq: 22 May 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

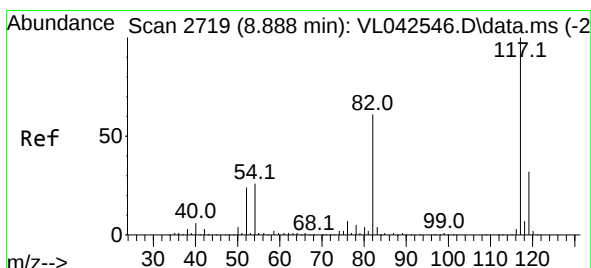
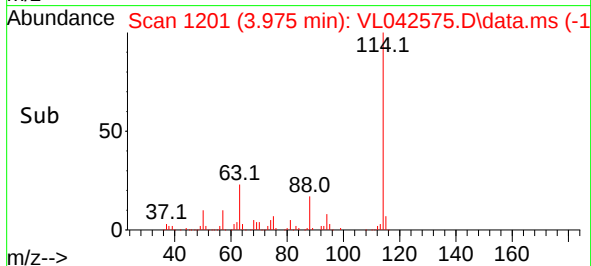
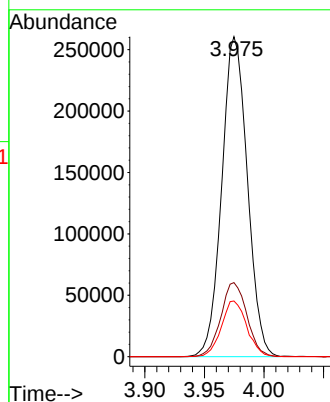
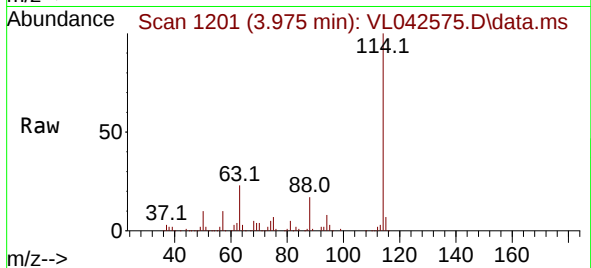
MDL 0.03

Tgt Ion:114 Resp: 388927
 Ion Ratio Lower Upper
 114 100
 63 23.7 18.4 27.6
 88 17.3 14.0 21.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

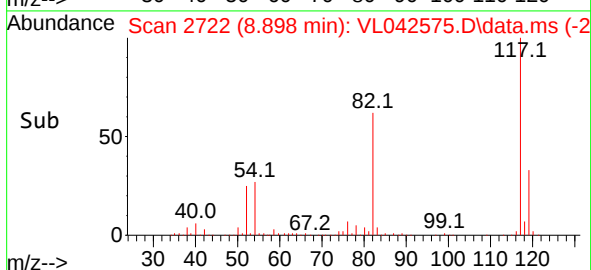
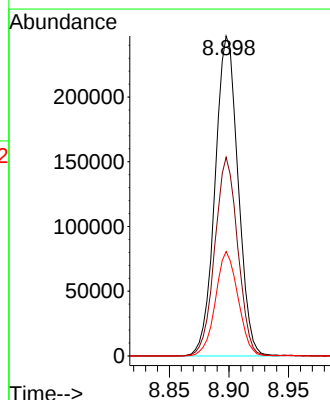
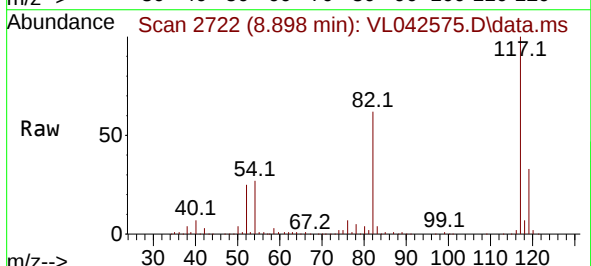
RT: 8.898 min Scan# 2722

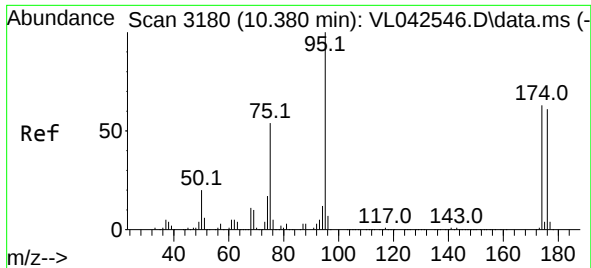
Delta R.T. 0.009 min

Lab File: VL042575.D

Acq: 22 May 2025 11:27

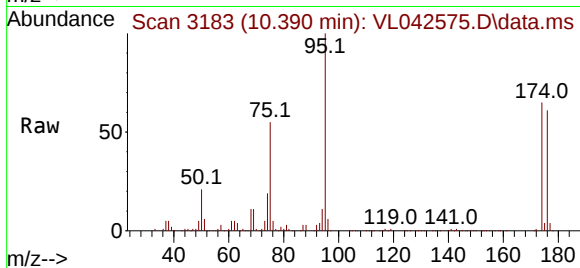
Tgt Ion:117 Resp: 331913
 Ion Ratio Lower Upper
 117 100
 82 61.8 51.0 76.4
 119 32.2 27.0 40.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.710 ppbv
 RT: 10.390 min Scan# 31
 Delta R.T. 0.009 min
 Lab File: VL042575.D
 Acq: 22 May 2025 11:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03



Tgt Ion: 95 Resp: 25794
 Ion Ratio Lower Upper
 95 100
 174 64.7 52.0 78.0
 175 4.6 3.8 5.6

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