

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070325\
 Data File : VL042700.D
 Acq On : 03 Jul 2025 09:22
 Operator : SY/MD
 Sample : VL0703ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0703ABL01

Quant Time: Jul 04 03:54:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:50:16 2025
 Response via : Initial Calibration

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

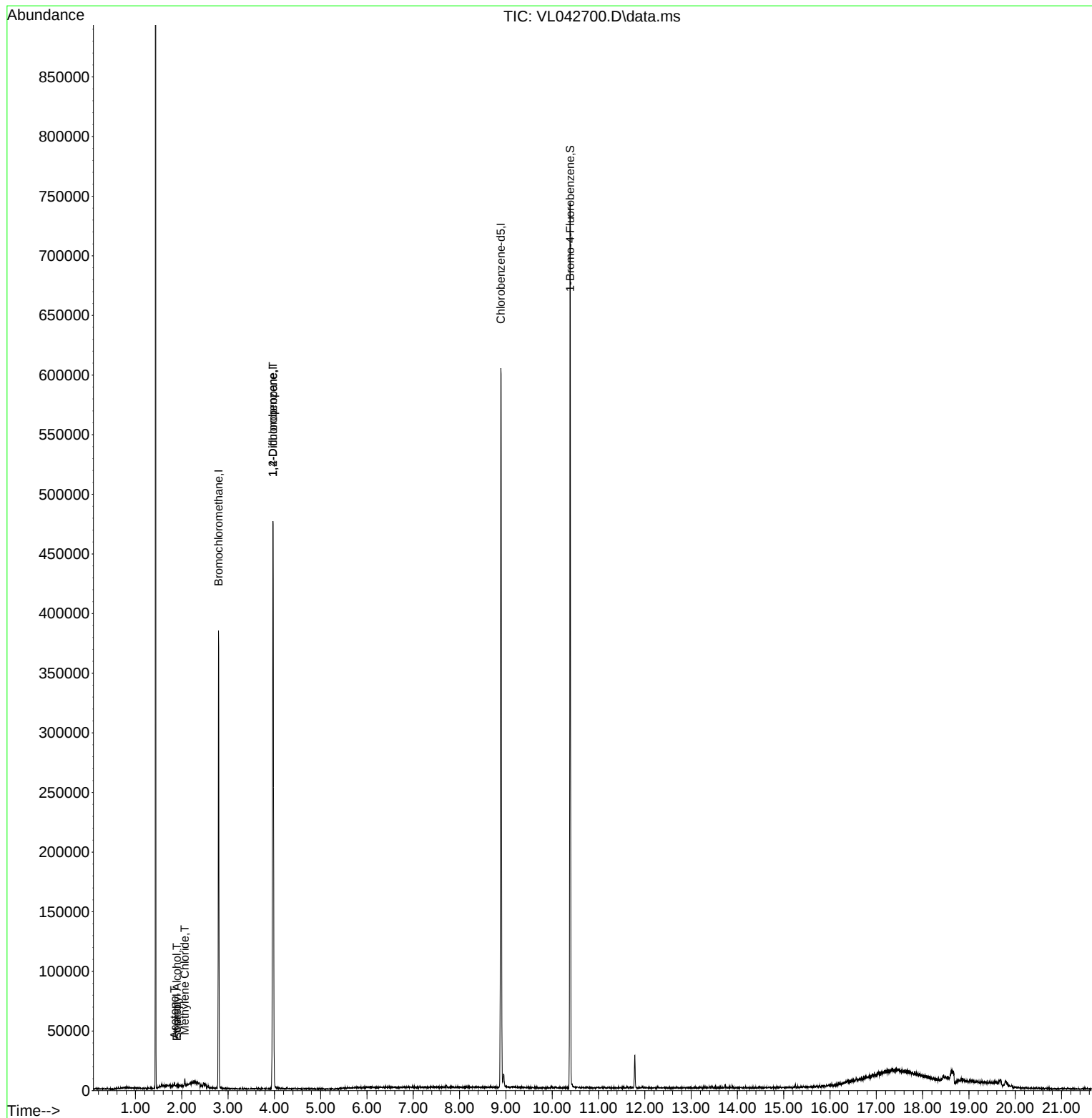
Internal Standards						
1) Bromochloromethane	2.794	49	115394	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	287579	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	245420	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	184194	9.758	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%
Target Compounds						
					Qvalue	
13) Ethanol	1.894	45	521	0.799	ppbv #	37
15) Acetone	1.839	43	1339	0.117	ppbv #	84
19) Isopropyl Alcohol	1.894	45	521	0.079	ppbv #	1
20) Methylene Chloride	2.066	84	729	0.167	ppbv	89
39) 1,2-Dichloropropane	3.969	63	72986	6.457	ppbv #	21

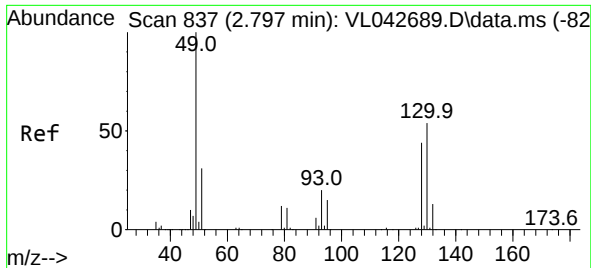
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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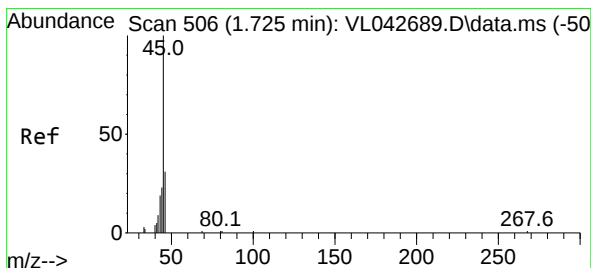
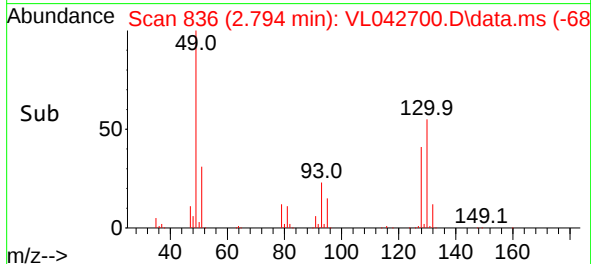
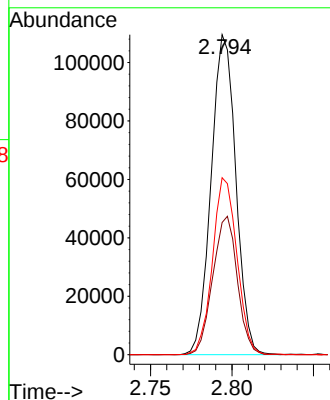
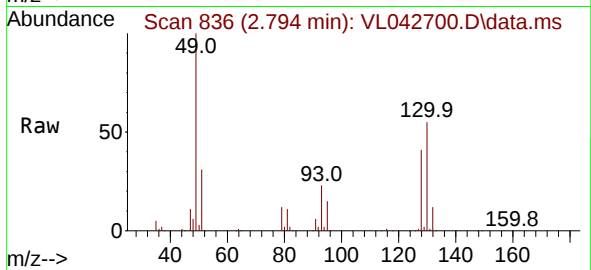




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042700.D
Acq: 03 Jul 2025 09:22

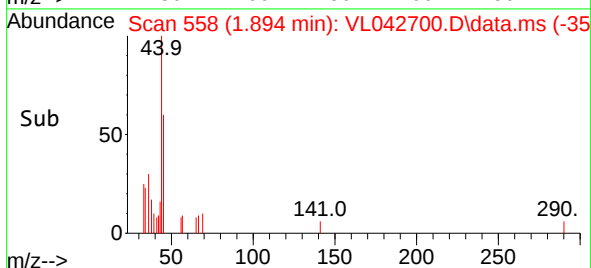
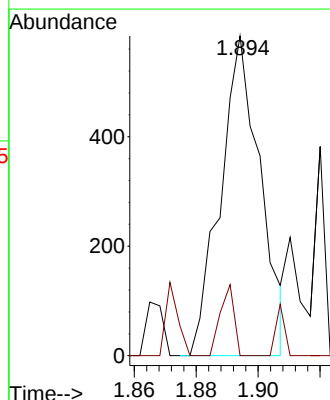
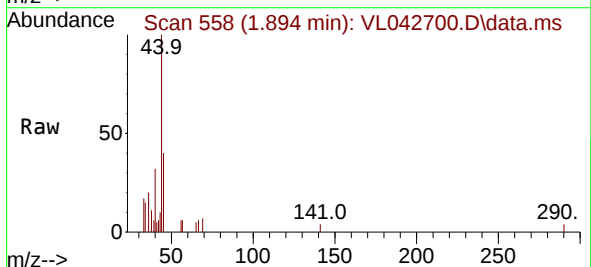
Instrument :
MSVOA_L
ClientSampleId :
VL0703ABL01

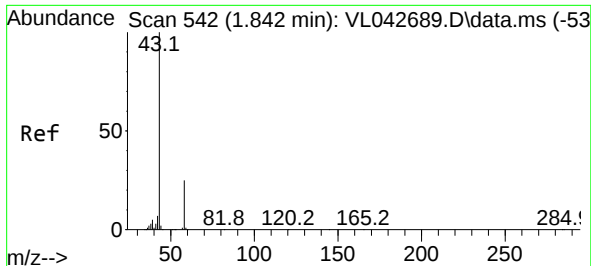
Tgt Ion: 49 Resp: 115394
Ion Ratio Lower Upper
49 100
128 43.1 21.4 64.2
130 54.7 28.0 84.0



#13
Ethanol
Concen: 0.799 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.169 min
Lab File: VL042700.D
Acq: 03 Jul 2025 09:22

Tgt Ion: 45 Resp: 521
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8#





#15

Acetone

Concen: 0.117 ppbv

RT: 1.839 min Scan# 54

Delta R.T. -0.003 min

Lab File: VL042700.D

Acq: 03 Jul 2025 09:22

Instrument :

MSVOA_L

ClientSampleId :

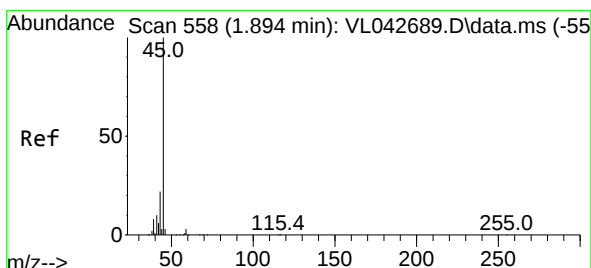
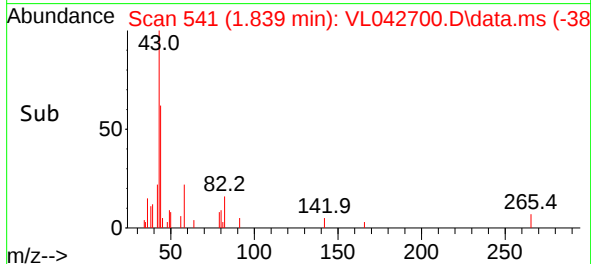
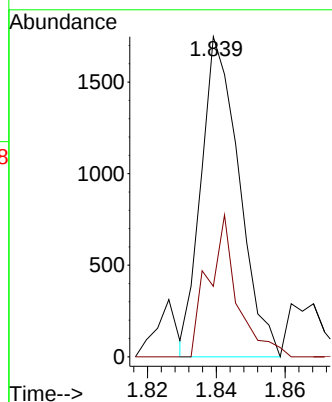
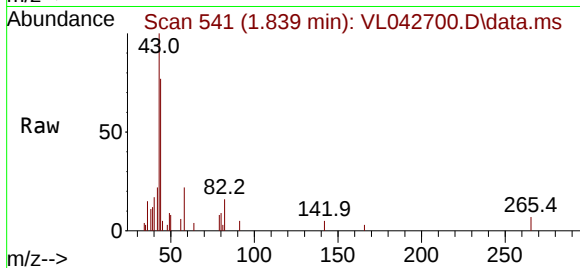
VL0703ABL01

Tgt Ion: 43 Resp: 1339

Ion Ratio Lower Upper

43 100

58 33.9 20.6 31.0#



#19

Isopropyl Alcohol

Concen: 0.079 ppbv

RT: 1.894 min Scan# 558

Delta R.T. 0.000 min

Lab File: VL042700.D

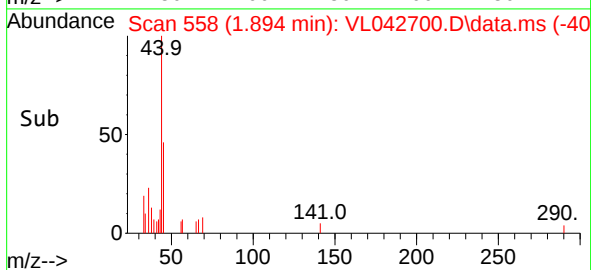
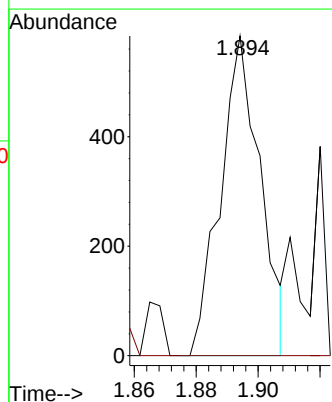
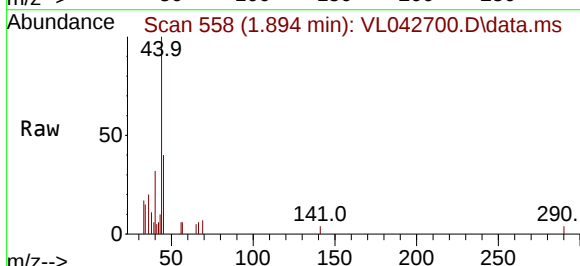
Acq: 03 Jul 2025 09:22

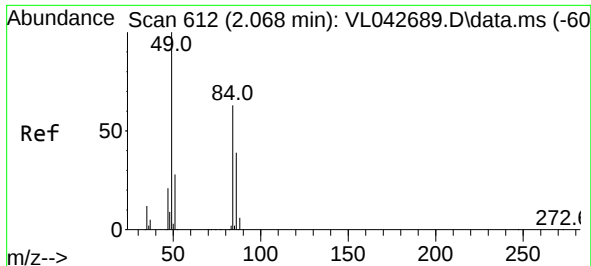
Tgt Ion: 45 Resp: 521

Ion Ratio Lower Upper

45 100

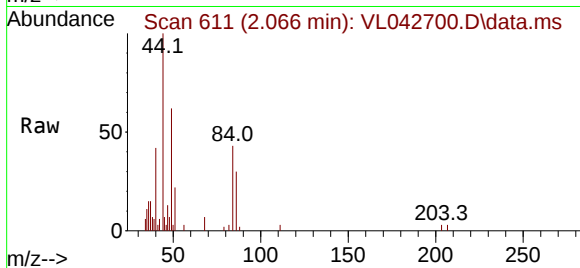
58 87.1 1.4 2.2#



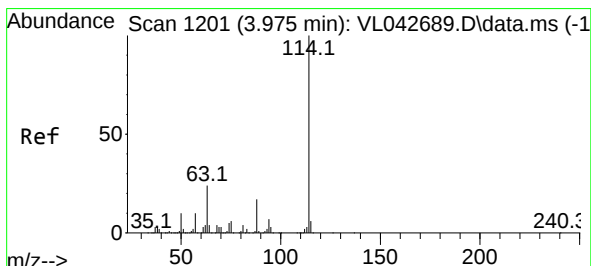
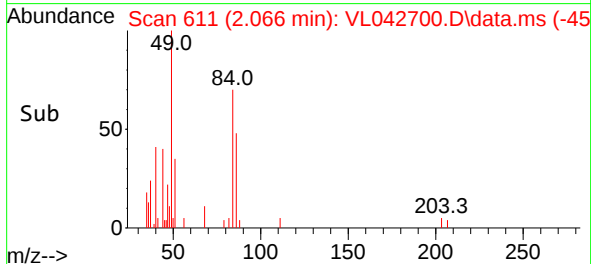
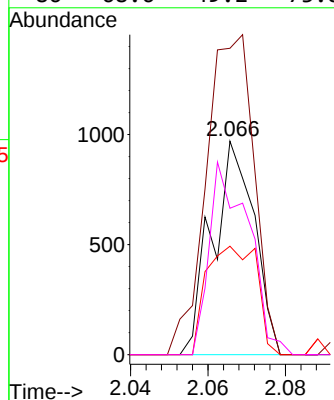


#20
Methylene Chloride
Concen: 0.167 ppbv
RT: 2.066 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042700.D
Acq: 03 Jul 2025 09:22

Instrument :
MSVOA_L
ClientSampleId :
VL0703ABL01

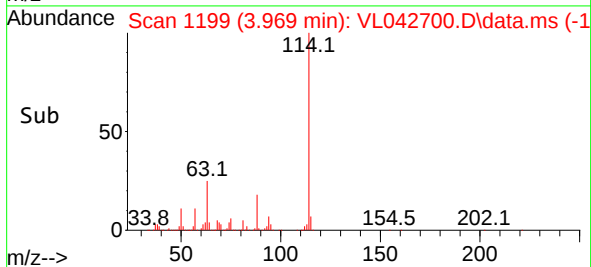
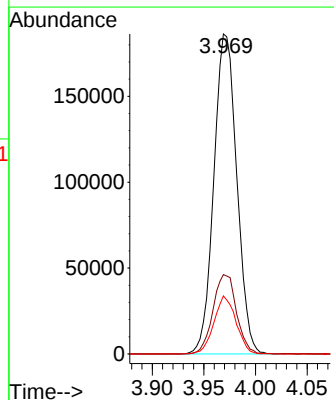
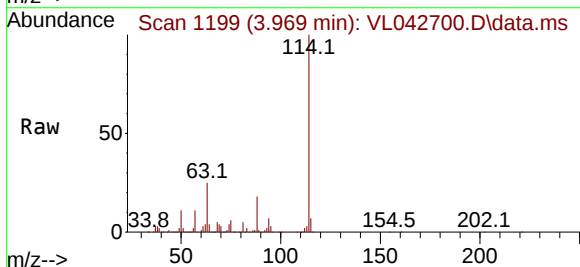


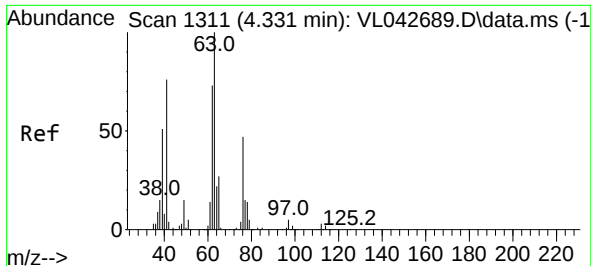
Tgt Ion: 84	Resp: 729
Ion Ratio	Lower Upper
84 100	
49 143.5	128.6 193.0
51 50.8	37.4 56.2
86 68.6	49.2 73.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.969 min Scan# 1199
Delta R.T. -0.006 min
Lab File: VL042700.D
Acq: 03 Jul 2025 09:22

Tgt Ion:114	Resp:	287579	
Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.4	30.6
88	17.5	14.2	21.2





#39

1,2-Dichloropropane

Concen: 6.457 ppbv

RT: 3.969 min Scan# 1199

Delta R.T. -0.362 min

Lab File: VL042700.D

Acq: 03 Jul 2025 09:22

Instrument :

MSVOA_L

ClientSampleId :

VL0703ABL01

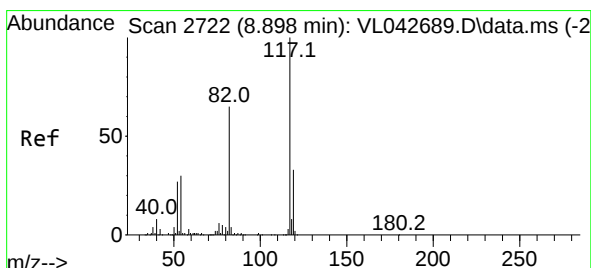
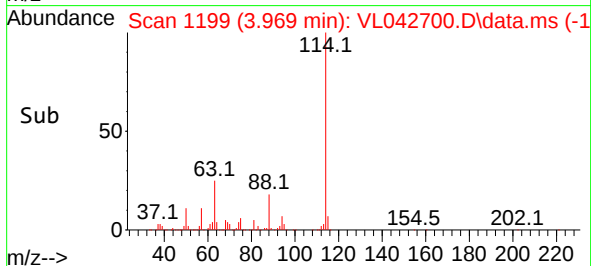
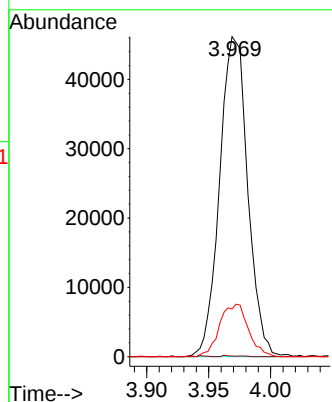
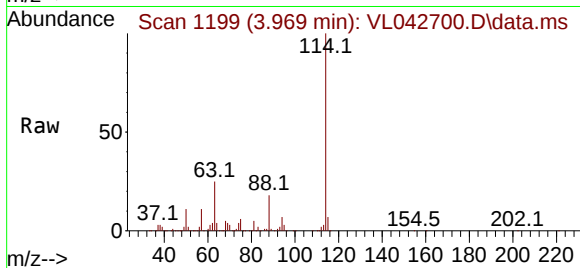
Tgt Ion: 63 Resp: 72986

Ion Ratio Lower Upper

63 100

41 0.2 60.8 91.2#

62 14.9 58.6 87.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.892 min Scan# 2720

Delta R.T. -0.006 min

Lab File: VL042700.D

Acq: 03 Jul 2025 09:22

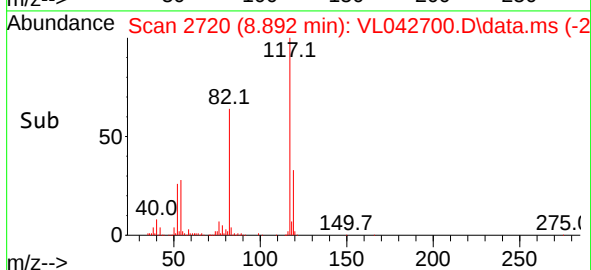
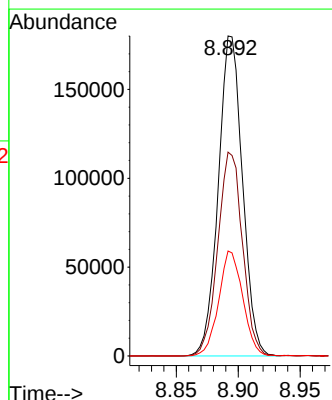
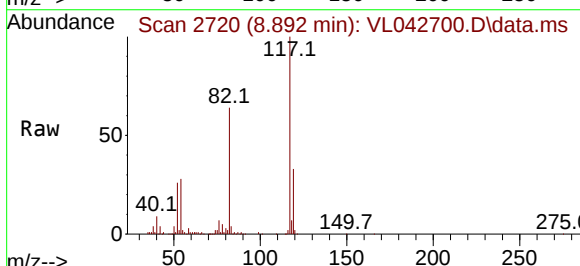
Tgt Ion: 117 Resp: 245420

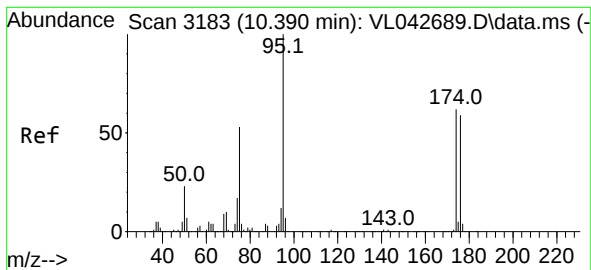
Ion Ratio Lower Upper

117 100

82 64.9 53.4 80.2

119 32.7 26.6 39.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.758 ppbv
 RT: 10.387 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL042700.D
 Acq: 03 Jul 2025 09:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0703ABL01

Tgt Ion: 95 Resp: 184194
 Ion Ratio Lower Upper
 95 100
 174 64.6 51.2 76.8
 175 4.7 3.8 5.8

