

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042109.D
 Acq On : 05 Mar 2025 18:02
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Mar 06 01:10:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

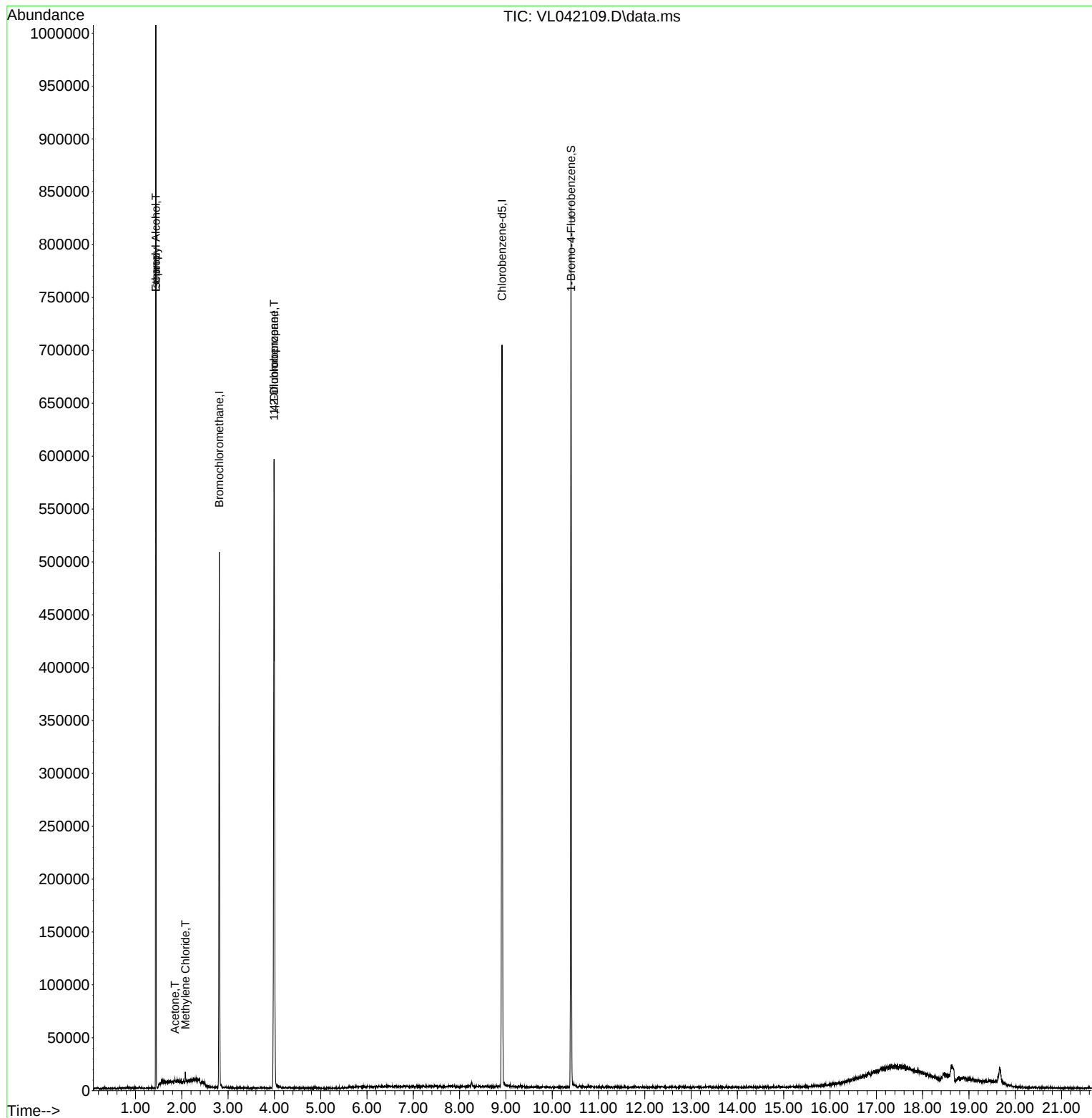
Internal Standards						
1) Bromochloromethane	2.810	49	148788	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.991	114	337448	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.914	117	277526	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	199426	9.340	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.400%
Target Compounds						
					Qvalue	
13) Ethanol	1.440	45	32377	57.895	ppbv	84
15) Acetone	1.851	43	1860	0.142	ppbv #	79
19) Isopropyl Alcohol	1.440	45	32377	4.290	ppbv #	32
20) Methylene Chloride	2.078	84	651	0.131	ppbv	90
39) 1,2-Dichloropropane	3.994	63	88076	6.569	ppbv #	24

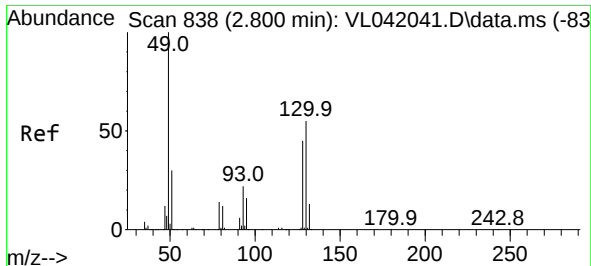
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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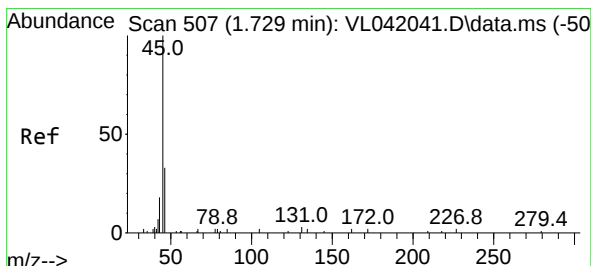
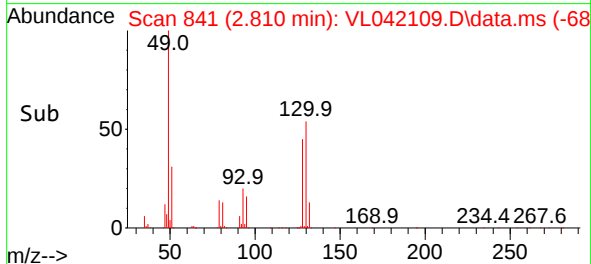
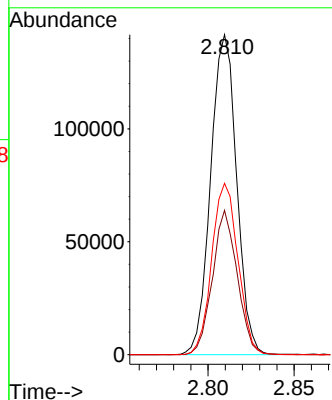
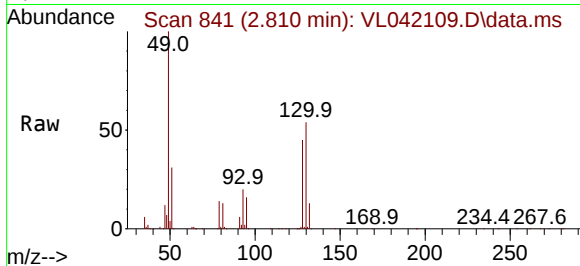




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.810 min Scan# 841
Delta R.T. 0.010 min
Lab File: VL042109.D
Acq: 05 Mar 2025 18:02

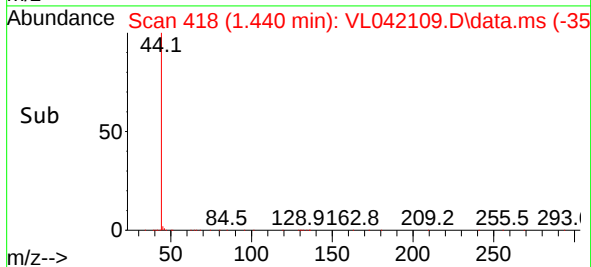
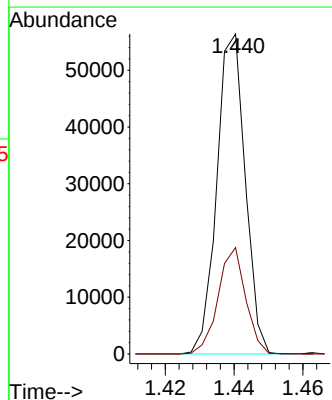
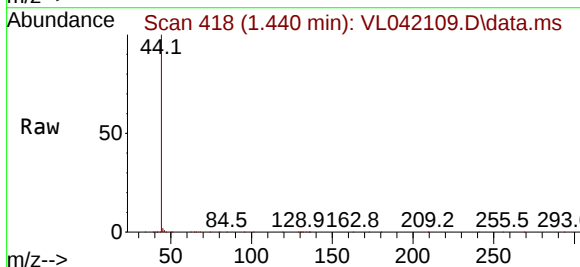
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

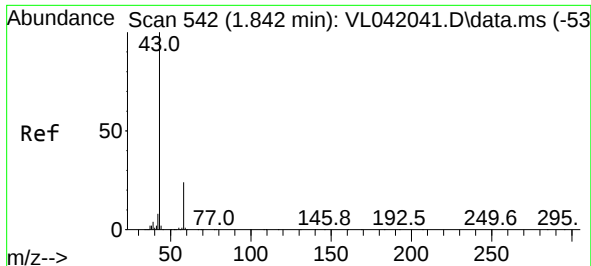
Tgt Ion: 49 Resp: 148788
Ion Ratio Lower Upper
49 100
128 43.1 21.6 64.8
130 54.0 27.8 83.4



#13
Ethanol
Concen: 57.895 ppbv
RT: 1.440 min Scan# 418
Delta R.T. -0.288 min
Lab File: VL042109.D
Acq: 05 Mar 2025 18:02

Tgt Ion: 45 Resp: 32377
Ion Ratio Lower Upper
45 100
46 32.3 17.1 68.3

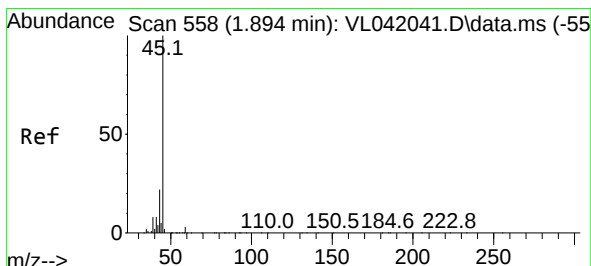
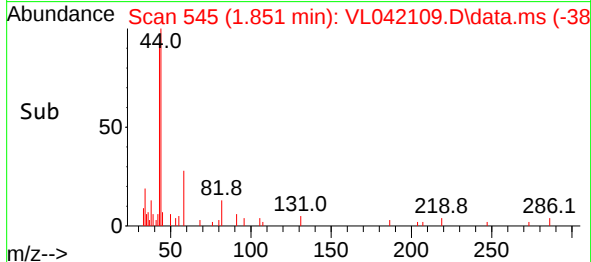
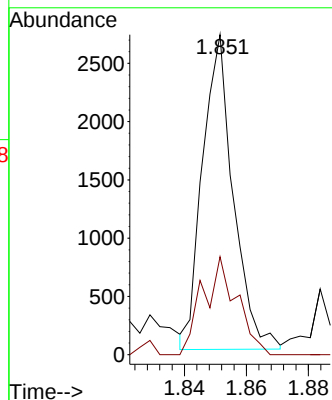
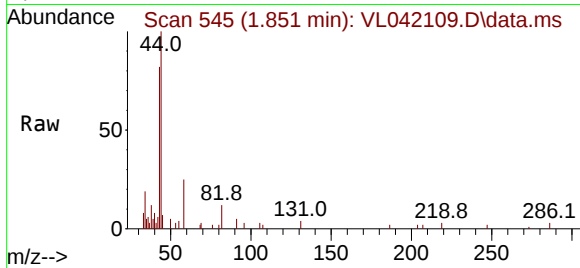




#15
Acetone
Concen: 0.142 ppbv
RT: 1.851 min Scan# 54
Delta R.T. 0.009 min
Lab File: VL042109.D
Acq: 05 Mar 2025 18:02

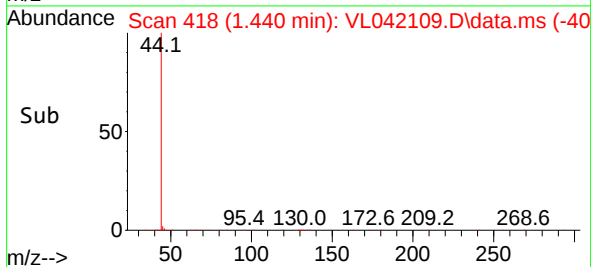
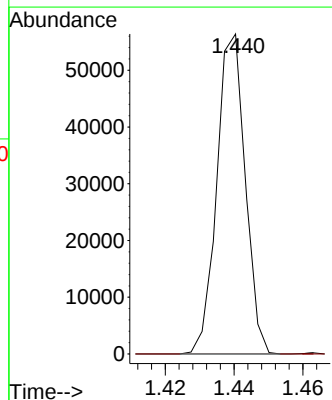
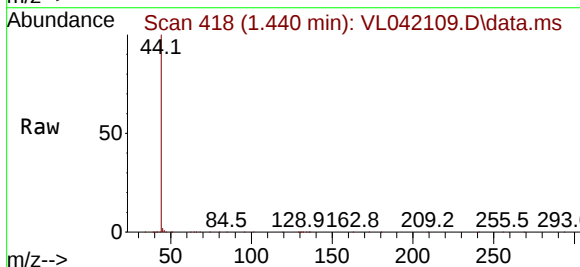
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

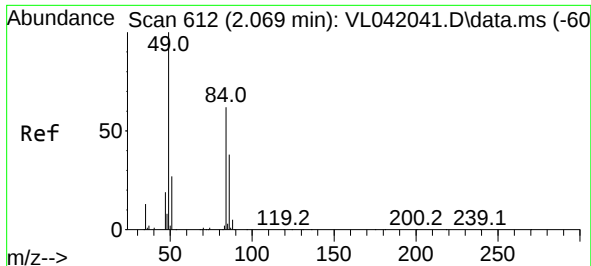
Tgt Ion: 43 Resp: 1860
Ion Ratio Lower Upper
43 100
58 36.5 20.7 31.1#



#19
Isopropyl Alcohol
Concen: 4.290 ppbv
RT: 1.440 min Scan# 418
Delta R.T. -0.453 min
Lab File: VL042109.D
Acq: 05 Mar 2025 18:02

Tgt Ion: 45 Resp: 32377
Ion Ratio Lower Upper
45 100
58 0.2 35.3 52.9#





#20

Methylene Chloride

Concen: 0.131 ppbv

RT: 2.078 min Scan# 61

Delta R.T. 0.009 min

Lab File: VL042109.D

Acq: 05 Mar 2025 18:02

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 651

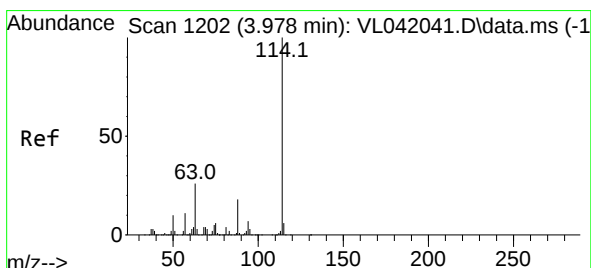
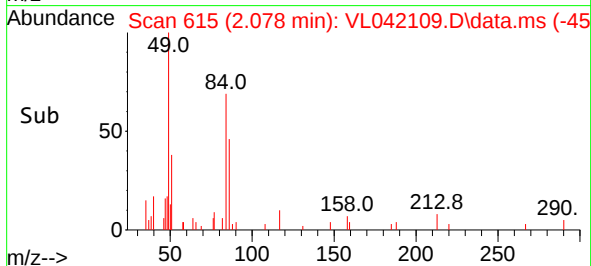
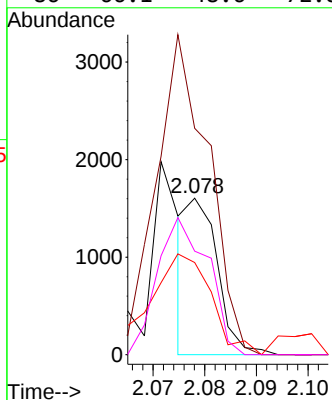
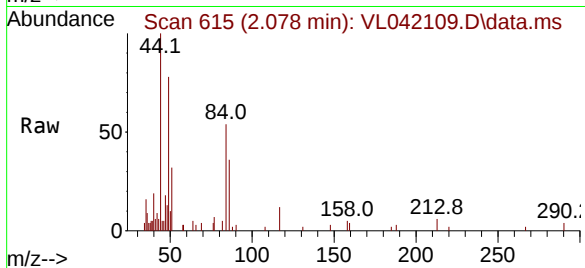
Ion Ratio Lower Upper

84 100

49 144.6 130.0 195.0

51 46.9 37.4 56.0

86 66.1 48.6 72.8



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.991 min Scan# 1206

Delta R.T. 0.013 min

Lab File: VL042109.D

Acq: 05 Mar 2025 18:02

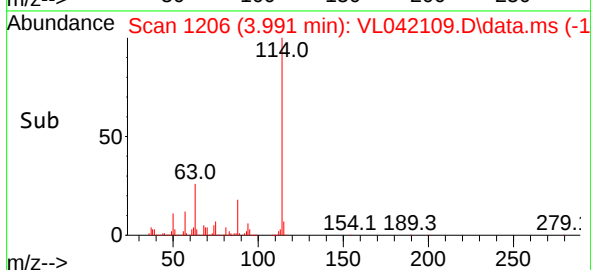
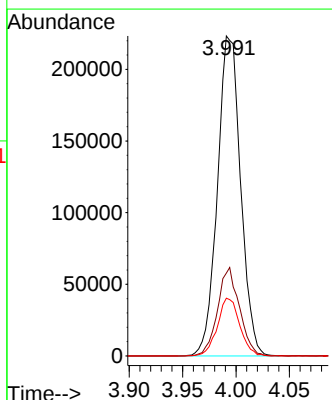
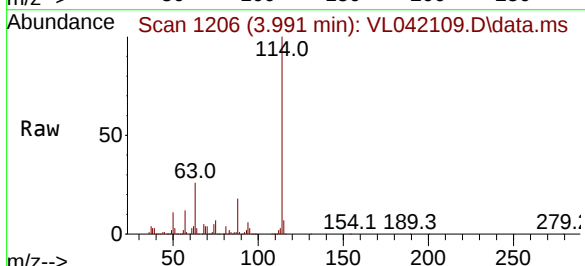
Tgt Ion: 114 Resp: 337448

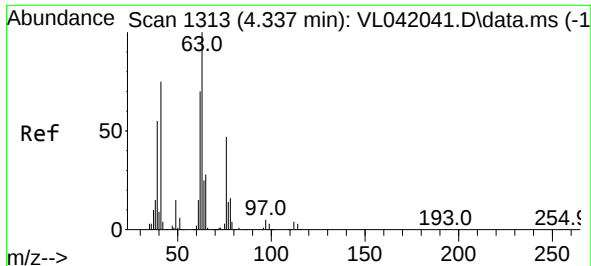
Ion Ratio Lower Upper

114 100

63 26.1 20.1 30.1

88 17.4 14.3 21.5





#39

1,2-Dichloropropane

Concen: 6.569 ppbv

RT: 3.994 min Scan# 11

Delta R.T. -0.343 min

Lab File: VL042109.D

Acq: 05 Mar 2025 18:02

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

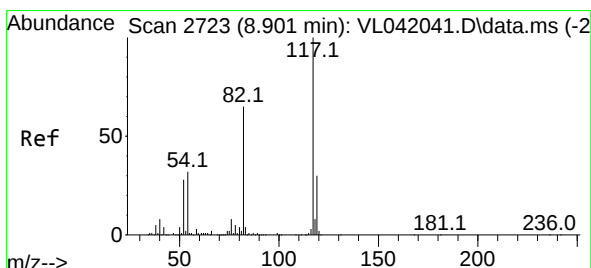
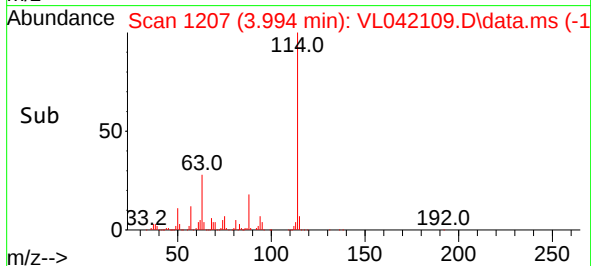
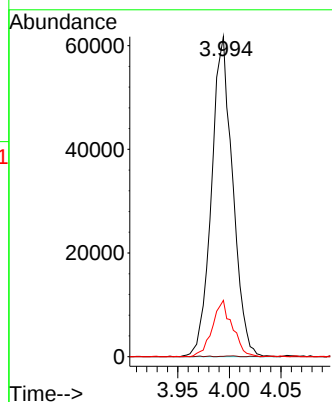
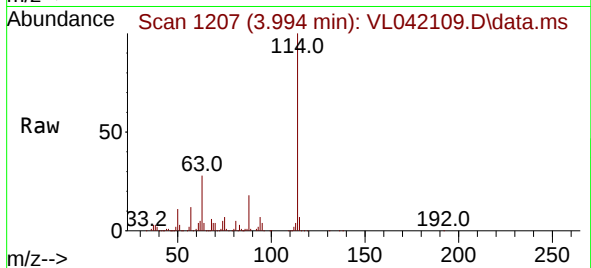
Tgt Ion: 63 Resp: 88076

Ion Ratio Lower Upper

63 100

41 0.1 60.1 90.1#

62 17.6 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.914 min Scan# 2727

Delta R.T. 0.013 min

Lab File: VL042109.D

Acq: 05 Mar 2025 18:02

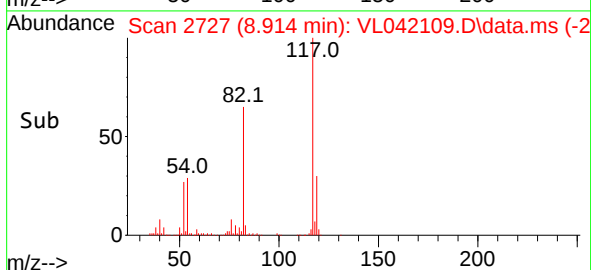
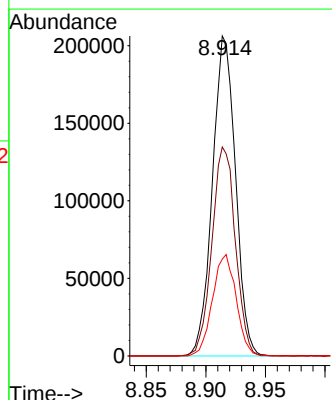
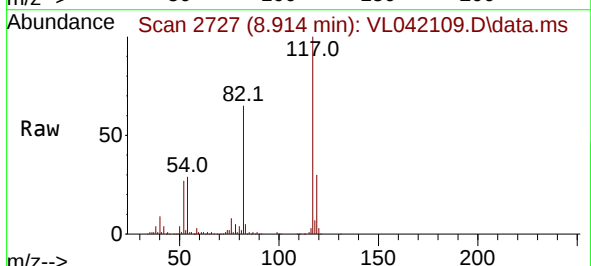
Tgt Ion: 117 Resp: 277526

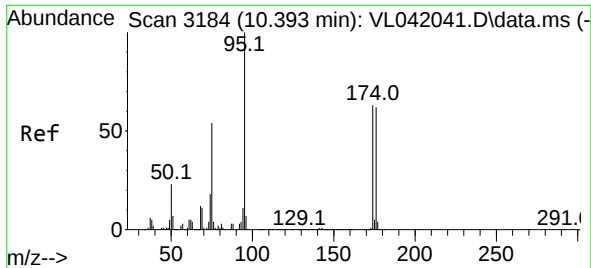
Ion Ratio Lower Upper

117 100

82 66.4 55.0 82.6

119 32.6 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.340 ppbv
 RT: 10.406 min Scan# 3188
 Delta R.T. 0.013 min
 Lab File: VL042109.D
 Acq: 05 Mar 2025 18:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 95 Resp: 199426
 Ion Ratio Lower Upper
 95 100
 174 62.9 51.8 77.6
 175 4.3 3.9 5.9

