

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042989.D
 Acq On : 23 Sep 2025 13:26
 Operator : SY/MD
 Sample : CAN 10747
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10747

Quant Time: Sep 24 02:07:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

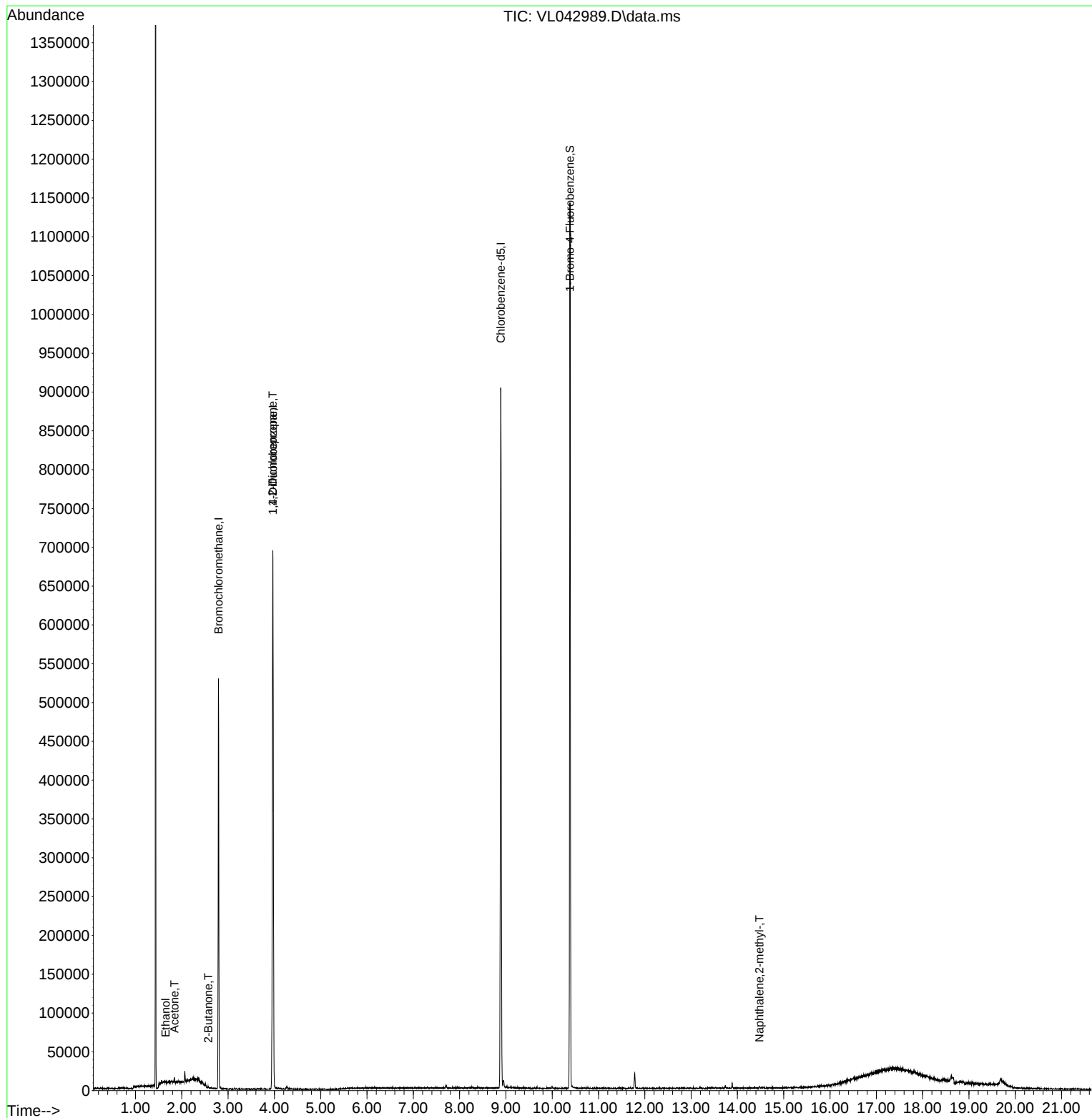
Internal Standards						
1) Bromochloromethane	2.793	49	149203	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	404080	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	359428	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	280412	10.451	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.500%
Target Compounds						
					Qvalue	
13) Ethanol	1.651	45	302	0.286	ppbv #	35
15) Acetone	1.839	43	2421	0.125	ppbv #	71
20) Methylene Chloride	2.065	84	1950	Below Cal	#	78
34) 2-Butanone	2.570	43	889	0.031	ppbv	94
39) 1,2-Dichloropropane	3.965	63	106420	7.682	ppbv #	23
80) Naphthalene,2-methyl-	14.478	142	1056	0.074	ppbv	86

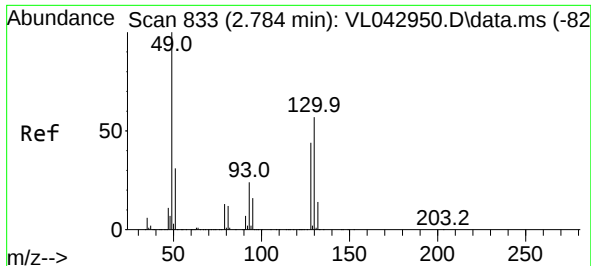
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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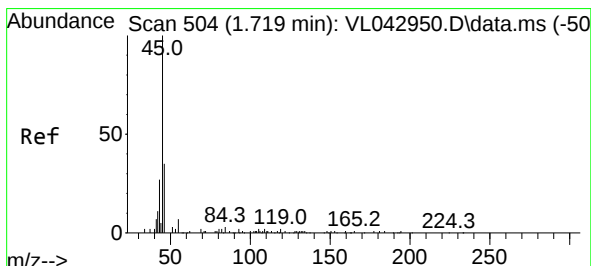
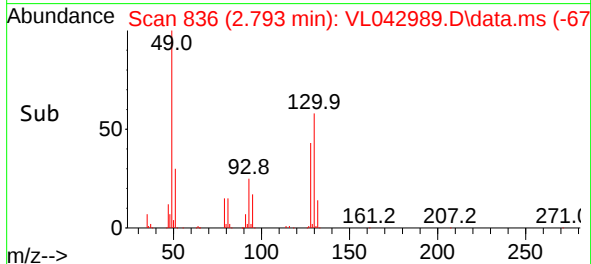
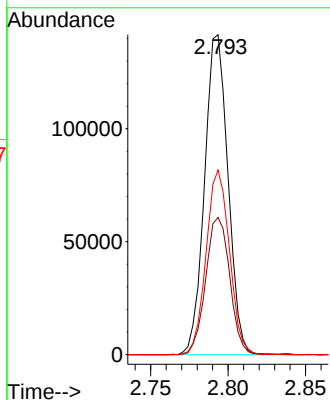
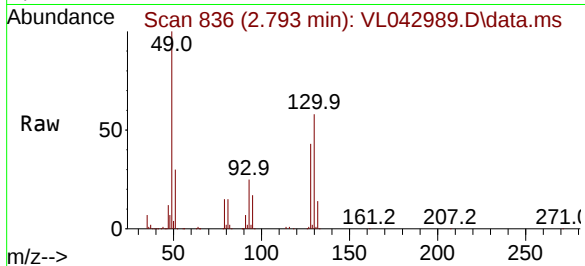




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL042989.D
Acq: 23 Sep 2025 13:26

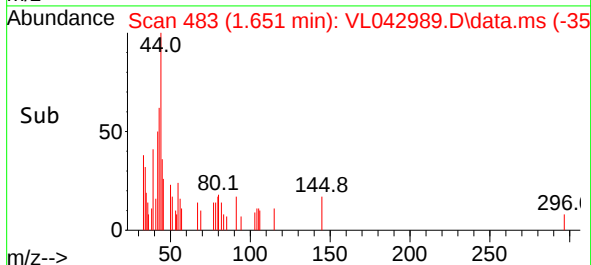
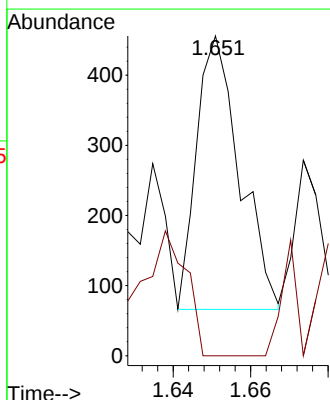
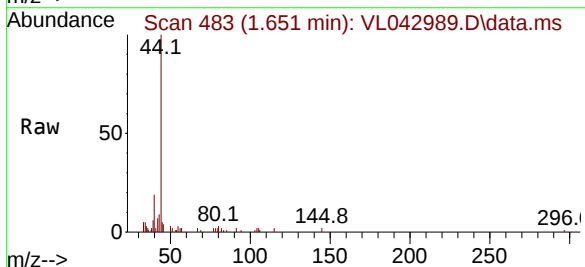
Instrument :
MSVOA_L
ClientSampleId :
CAN 10747

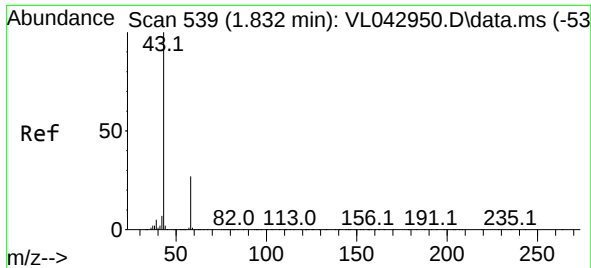
Tgt Ion: 49 Resp: 149203
Ion Ratio Lower Upper
49 100
128 44.0 22.9 68.8
130 57.5 29.1 87.3



#13
Ethanol
Concen: 0.286 ppbv
RT: 1.651 min Scan# 483
Delta R.T. -0.068 min
Lab File: VL042989.D
Acq: 23 Sep 2025 13:26

Tgt Ion: 45 Resp: 302
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.6#





#15

Acetone

Concen: 0.125 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL042989.D

Acq: 23 Sep 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

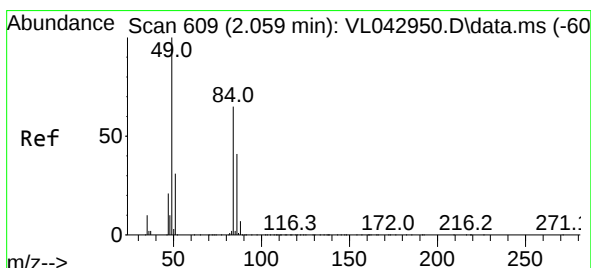
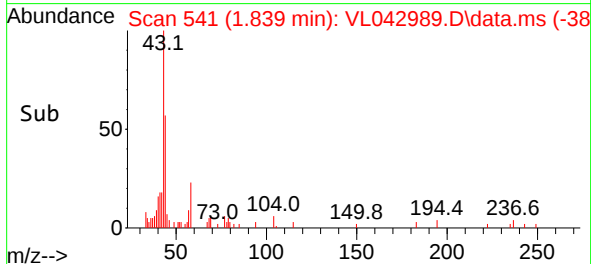
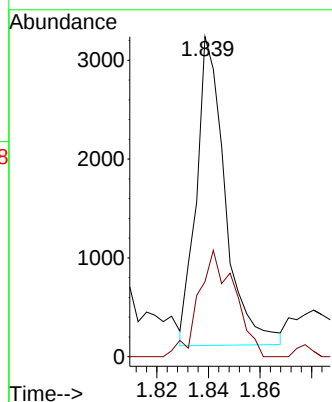
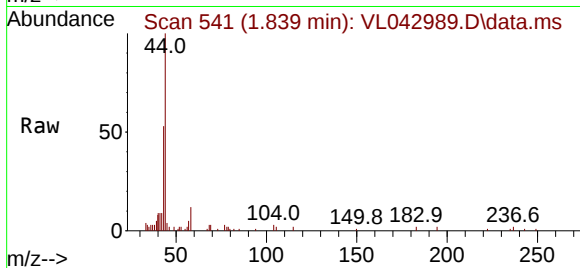
CAN 10747

Tgt Ion: 43 Resp: 2421

Ion Ratio Lower Upper

43 100

58 43.3 22.3 33.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL042989.D

Acq: 23 Sep 2025 13:26

Tgt Ion: 84 Resp: 1950

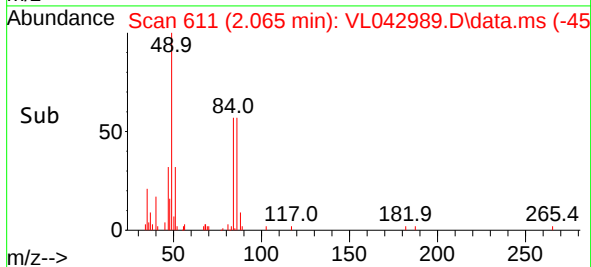
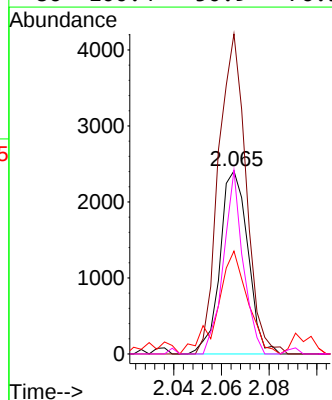
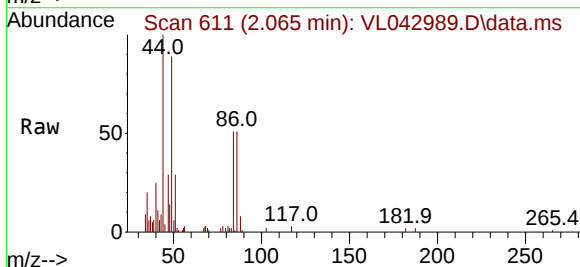
Ion Ratio Lower Upper

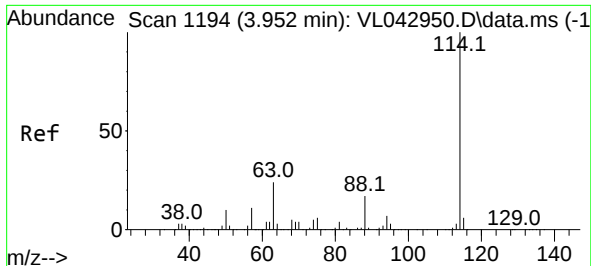
84 100

49 174.8 124.1 186.1

51 56.2 39.8 59.8

86 100.4 50.9 76.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.016 min

Lab File: VL042989.D

Acq: 23 Sep 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

CAN 10747

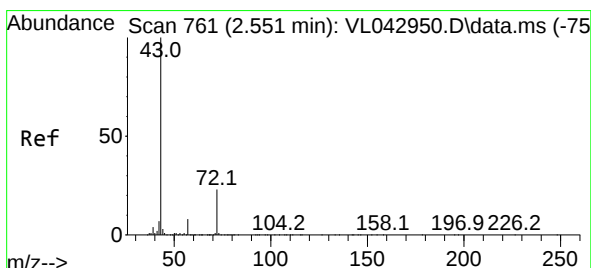
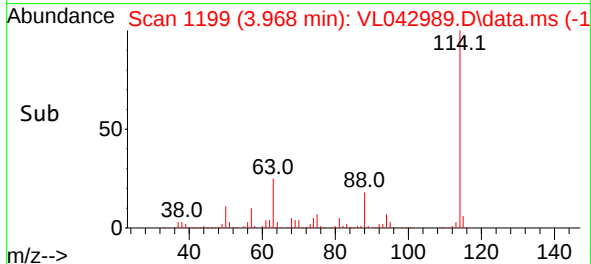
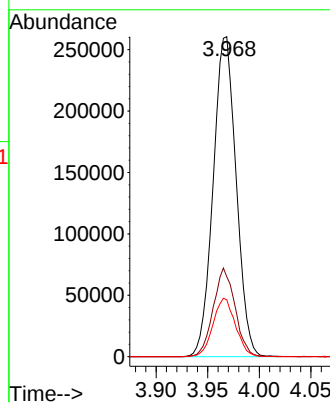
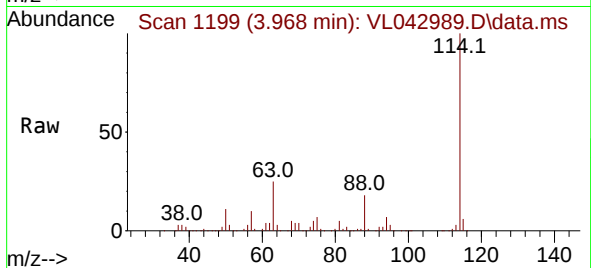
Tgt Ion:114 Resp: 404080

Ion Ratio Lower Upper

114 100

63 26.4 19.4 29.2

88 17.8 14.2 21.2



#34

2-Butanone

Concen: 0.031 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.019 min

Lab File: VL042989.D

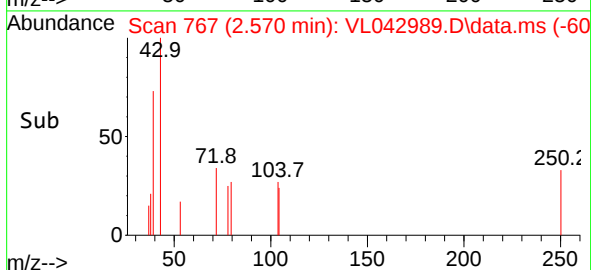
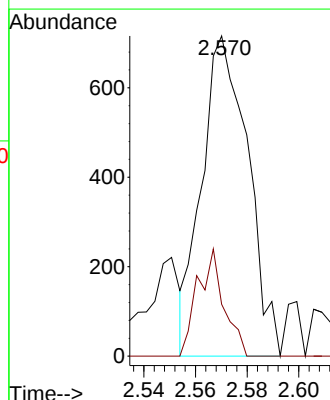
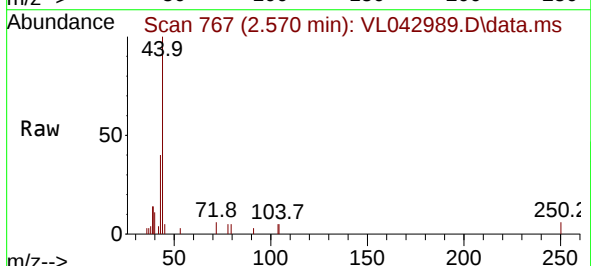
Acq: 23 Sep 2025 13:26

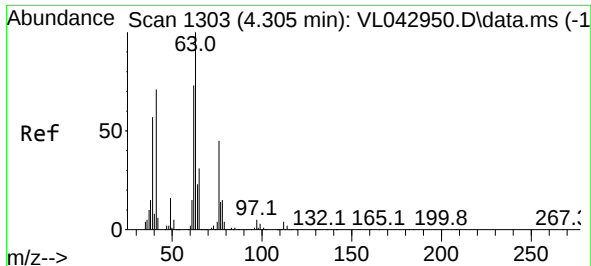
Tgt Ion: 43 Resp: 889

Ion Ratio Lower Upper

43 100

72 19.1 17.7 26.5





#39

1,2-Dichloropropane

Concen: 7.682 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.340 min

Lab File: VL042989.D

Acq: 23 Sep 2025 13:26

Instrument :

MSVOA_L

ClientSampleId :

CAN 10747

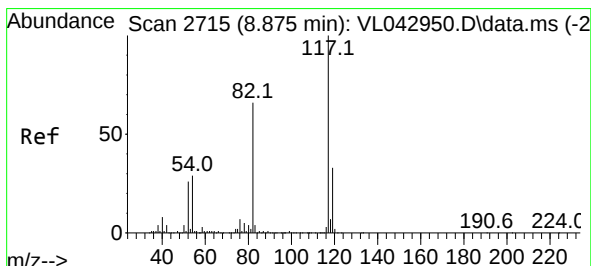
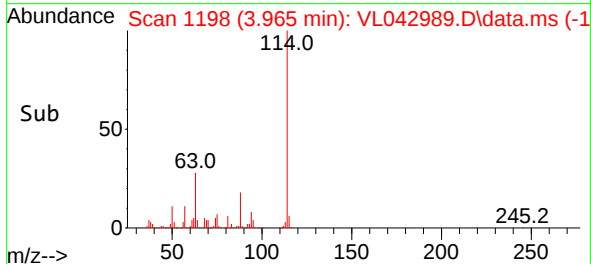
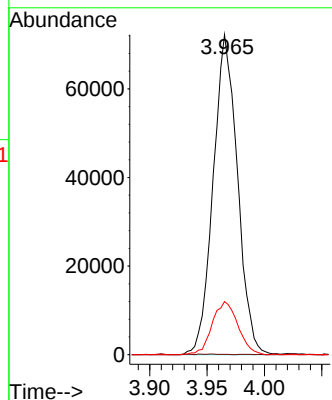
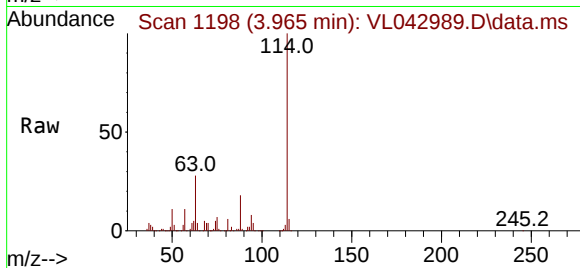
Tgt Ion: 63 Resp: 106420

Ion Ratio Lower Upper

63 100

41 0.1 57.5 86.3#

62 16.6 58.5 87.7#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.013 min

Lab File: VL042989.D

Acq: 23 Sep 2025 13:26

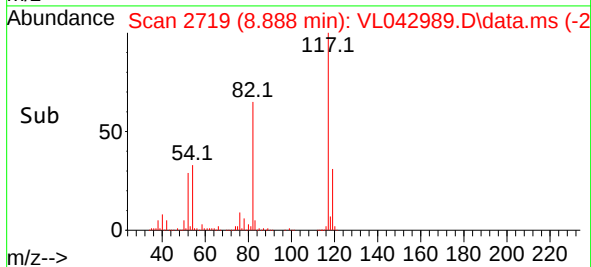
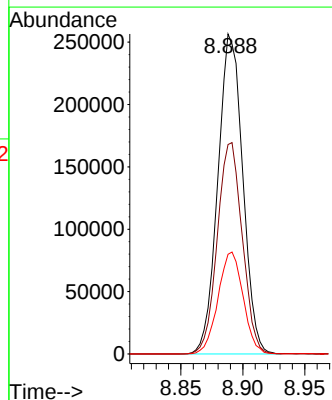
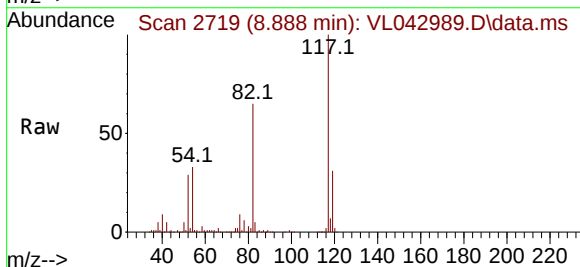
Tgt Ion: 117 Resp: 359428

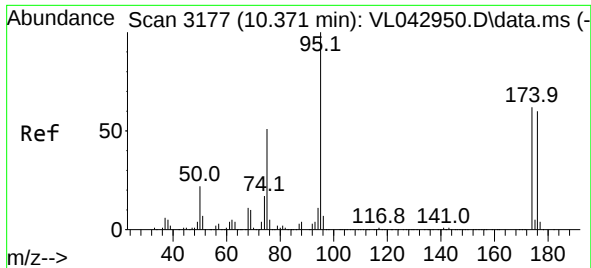
Ion Ratio Lower Upper

117 100

82 66.3 52.8 79.2

119 32.2 26.5 39.7

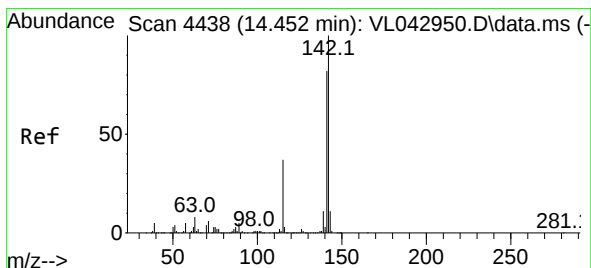
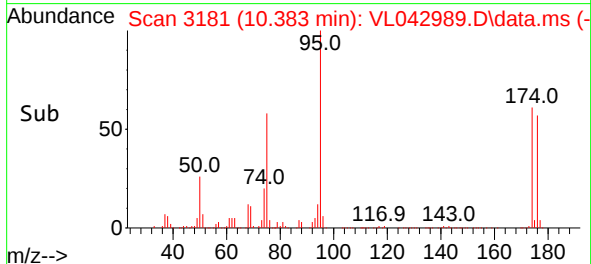
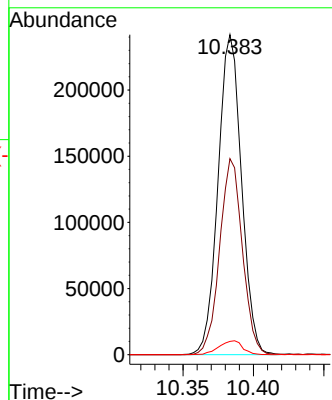
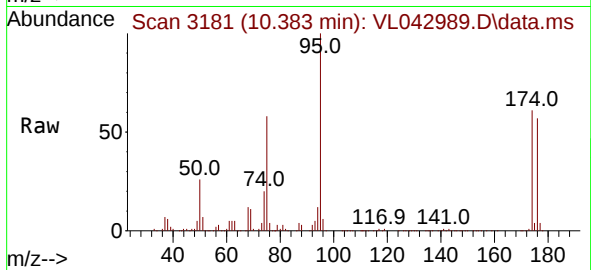




#68
1-Bromo-4-Fluorobenzene
Concen: 10.451 ppbv
RT: 10.383 min Scan# 3177
Delta R.T. 0.013 min
Lab File: VL042989.D
Acq: 23 Sep 2025 13:26

Instrument :
MSVOA_L
ClientSampleId :
CAN 10747

Tgt Ion: 95 Resp: 280412
Ion Ratio Lower Upper
95 100
174 59.8 51.4 77.2
175 4.4 4.0 6.0



#80
Naphthalene,2-methyl-
Concen: 0.074 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.026 min
Lab File: VL042989.D
Acq: 23 Sep 2025 13:26

Tgt Ion:142 Resp: 1056
Ion Ratio Lower Upper
142 100
141 66.7 65.1 97.7
115 32.1 28.9 43.3

