

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042990.D
 Acq On : 23 Sep 2025 14:01
 Operator : SY/MD
 Sample : CAN 10420
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10420

Quant Time: Sep 24 02:08:15 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)

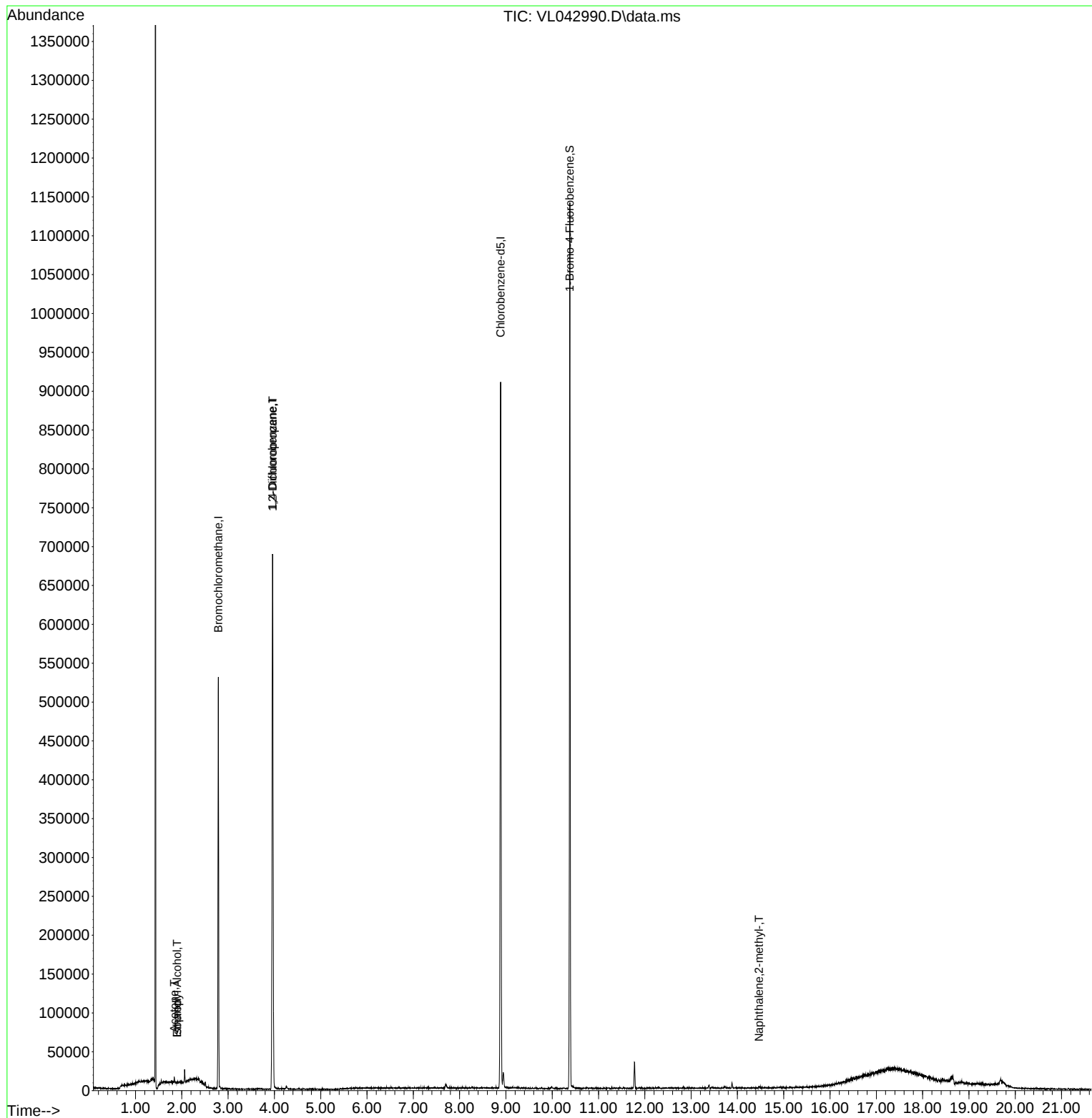
Internal Standards						
1) Bromochloromethane	2.790	49	148605	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	398892	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	359223	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	277718	10.357	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.600%
Target Compounds						
					Qvalue	
13) Ethanol	1.897	45	379	0.360	ppbv #	35
15) Acetone	1.835	43	3168	0.164	ppbv #	81
19) Isopropyl Alcohol	1.897	45	379	0.033	ppbv #	65
20) Methylene Chloride	2.062	84	2443	Below Cal	#	96
39) 1,2-Dichloropropane	3.962	63	105783	7.736	ppbv #	24
80) Naphthalene,2-methyl-	14.465	142	1104	0.078	ppbv #	74

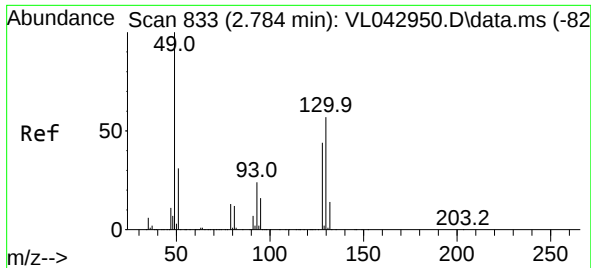
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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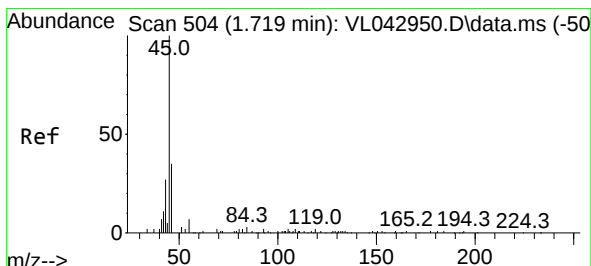
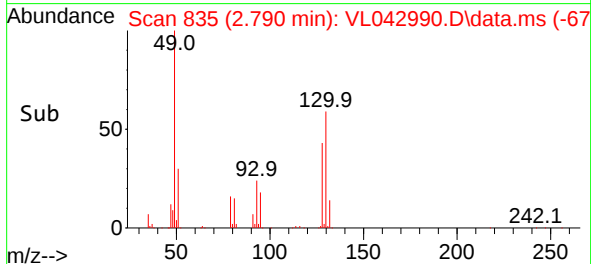
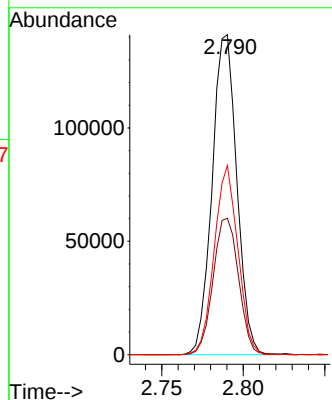
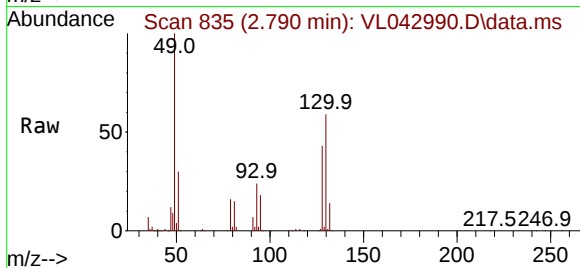




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042990.D
Acq: 23 Sep 2025 14:01

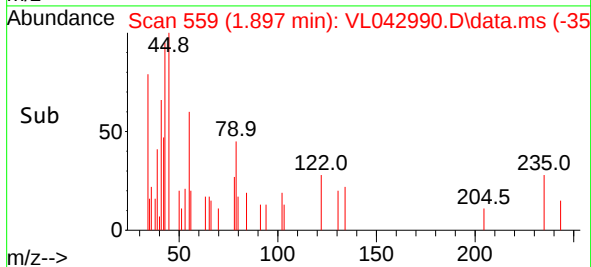
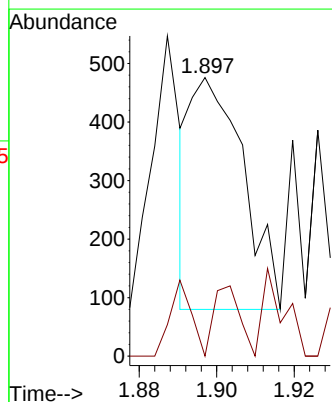
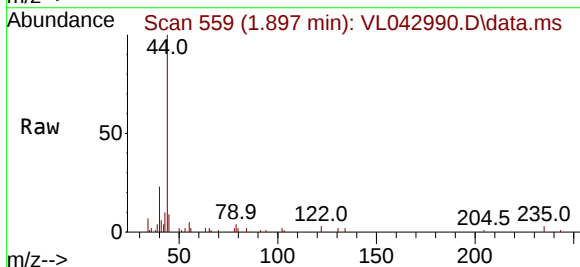
Instrument :
MSVOA_L
ClientSampleId :
CAN 10420

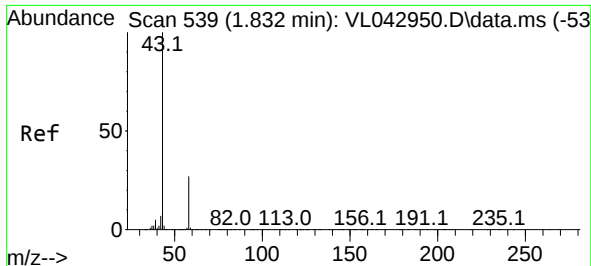
Tgt Ion: 49 Resp: 148605
Ion Ratio Lower Upper
49 100
128 44.0 22.9 68.8
130 56.6 29.1 87.3



#13
Ethanol
Concen: 0.360 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.178 min
Lab File: VL042990.D
Acq: 23 Sep 2025 14:01

Tgt Ion: 45 Resp: 379
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.6#





#15

Acetone

Concen: 0.164 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042990.D

Acq: 23 Sep 2025 14:01

Instrument :

MSVOA_L

ClientSampleId :

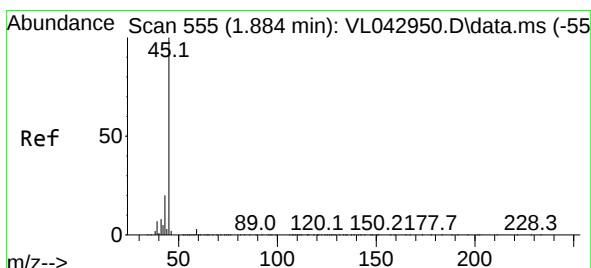
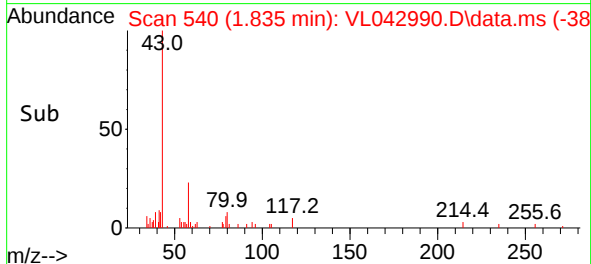
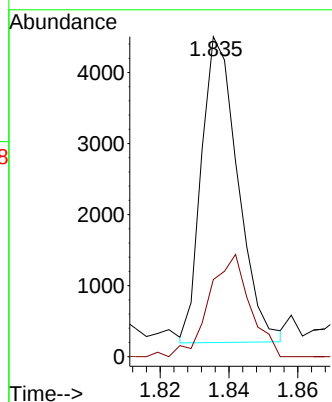
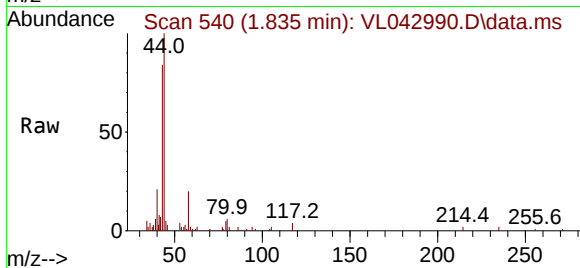
CAN 10420

Tgt Ion: 43 Resp: 3168

Ion Ratio Lower Upper

43 100

58 37.8 22.3 33.5#



#19

Isopropyl Alcohol

Concen: 0.033 ppbv

RT: 1.897 min Scan# 559

Delta R.T. 0.013 min

Lab File: VL042990.D

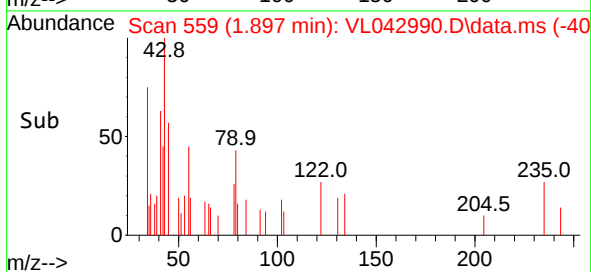
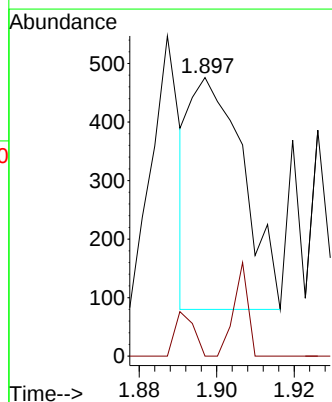
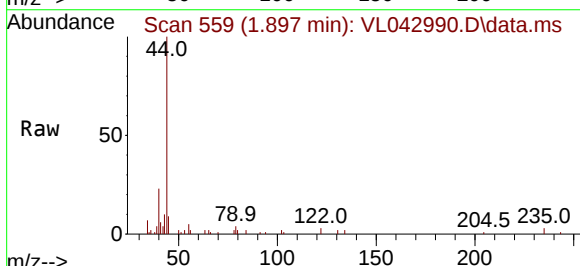
Acq: 23 Sep 2025 14:01

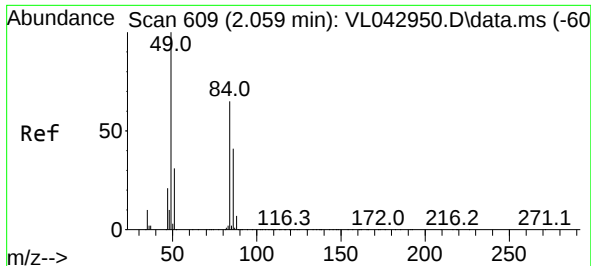
Tgt Ion: 45 Resp: 379

Ion Ratio Lower Upper

45 100

58 17.7 31.0 46.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL042990.D

Acq: 23 Sep 2025 14:01

Instrument :

MSVOA_L

ClientSampleId :

CAN 10420

Tgt Ion: 84 Resp: 2443

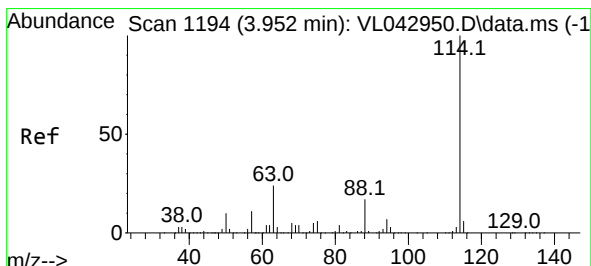
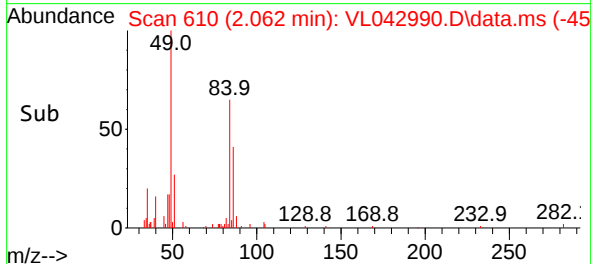
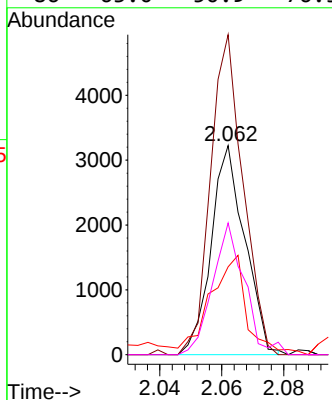
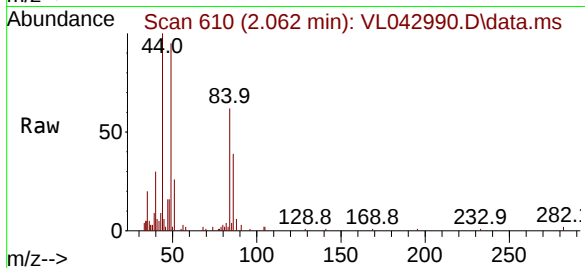
Ion Ratio Lower Upper

84 100

49 153.0 124.1 186.1

51 39.7 39.8 59.8#

86 63.0 50.9 76.3



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL042990.D

Acq: 23 Sep 2025 14:01

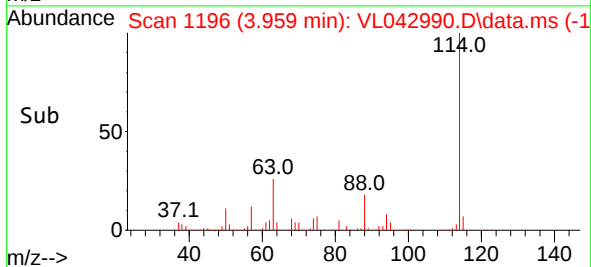
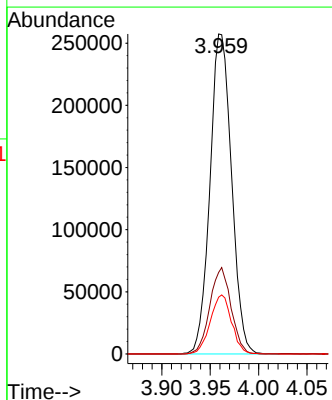
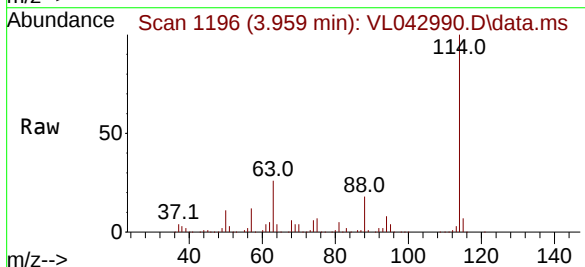
Tgt Ion: 114 Resp: 398892

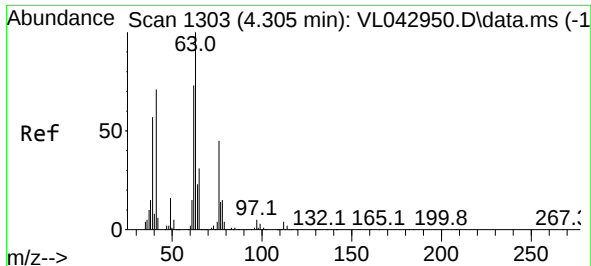
Ion Ratio Lower Upper

114 100

63 26.5 19.4 29.2

88 18.2 14.2 21.2





#39

1,2-Dichloropropane

Concen: 7.736 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.343 min

Lab File: VL042990.D

Acq: 23 Sep 2025 14:01

Instrument :

MSVOA_L

ClientSampleId :

CAN 10420

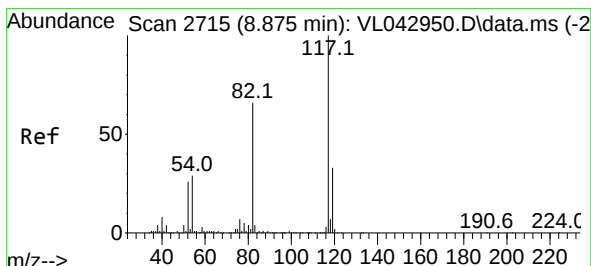
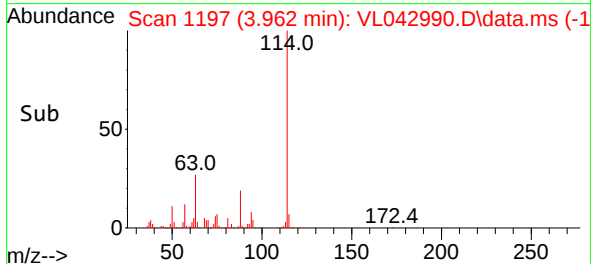
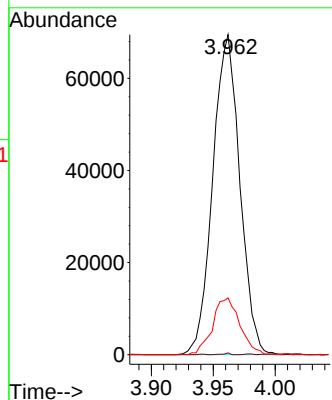
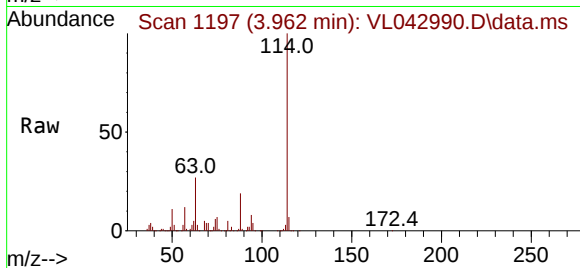
Tgt Ion: 63 Resp: 105783

Ion Ratio Lower Upper

63 100

41 0.4 57.5 86.3#

62 17.7 58.5 87.7#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. 0.010 min

Lab File: VL042990.D

Acq: 23 Sep 2025 14:01

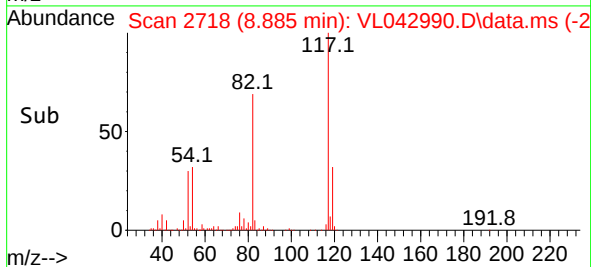
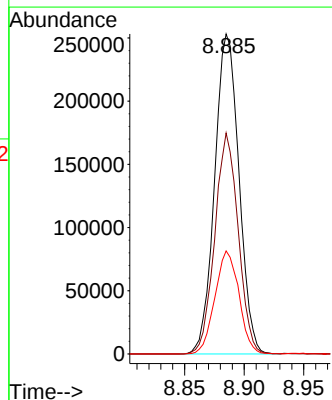
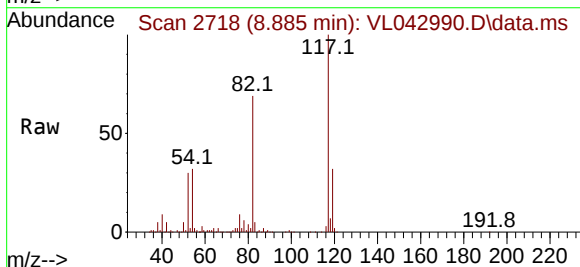
Tgt Ion: 117 Resp: 359223

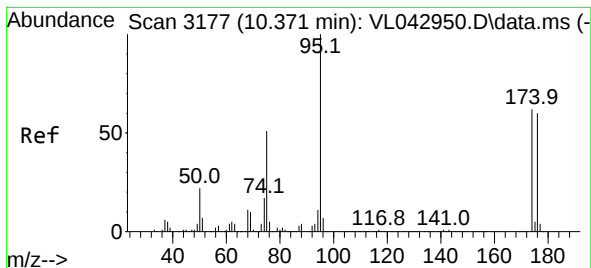
Ion Ratio Lower Upper

117 100

82 66.4 52.8 79.2

119 31.8 26.5 39.7

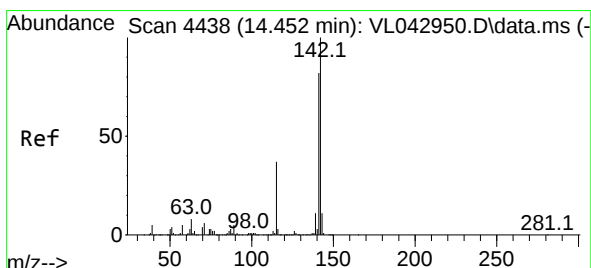
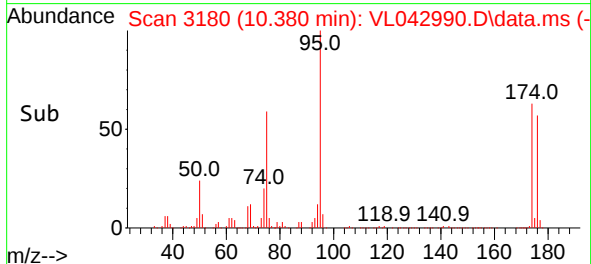
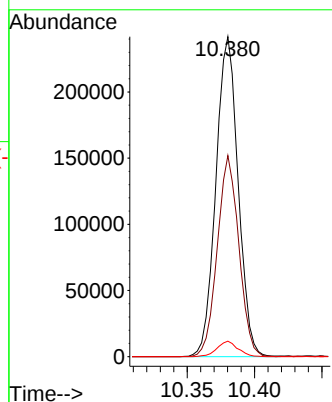
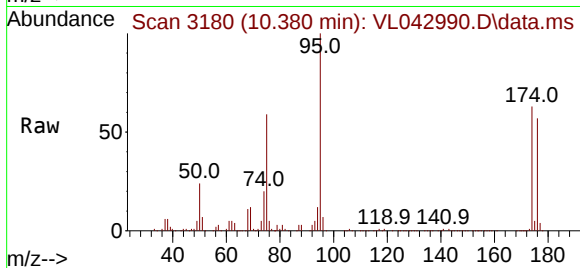




#68
1-Bromo-4-Fluorobenzene
Concen: 10.357 ppbv
RT: 10.380 min Scan# 3177
Delta R.T. 0.010 min
Lab File: VL042990.D
Acq: 23 Sep 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
CAN 10420

Tgt Ion: 95 Resp: 277718
Ion Ratio Lower Upper
95 100
174 61.0 51.4 77.2
175 4.6 4.0 6.0



#80
Naphthalene, 2-methyl-
Concen: 0.078 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.013 min
Lab File: VL042990.D
Acq: 23 Sep 2025 14:01

Tgt Ion: 142 Resp: 1104
Ion Ratio Lower Upper
142 100
141 49.7 65.1 97.7#
115 32.6 28.9 43.3

