

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
 Data File : VL040967.D
 Acq On : 15 Jan 2024 12:58
 Operator : SY/MD
 Sample : QC010324 CAN 10329
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 16 03:34:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 16 03:31:29 2024
 Response via : Initial Calibration

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

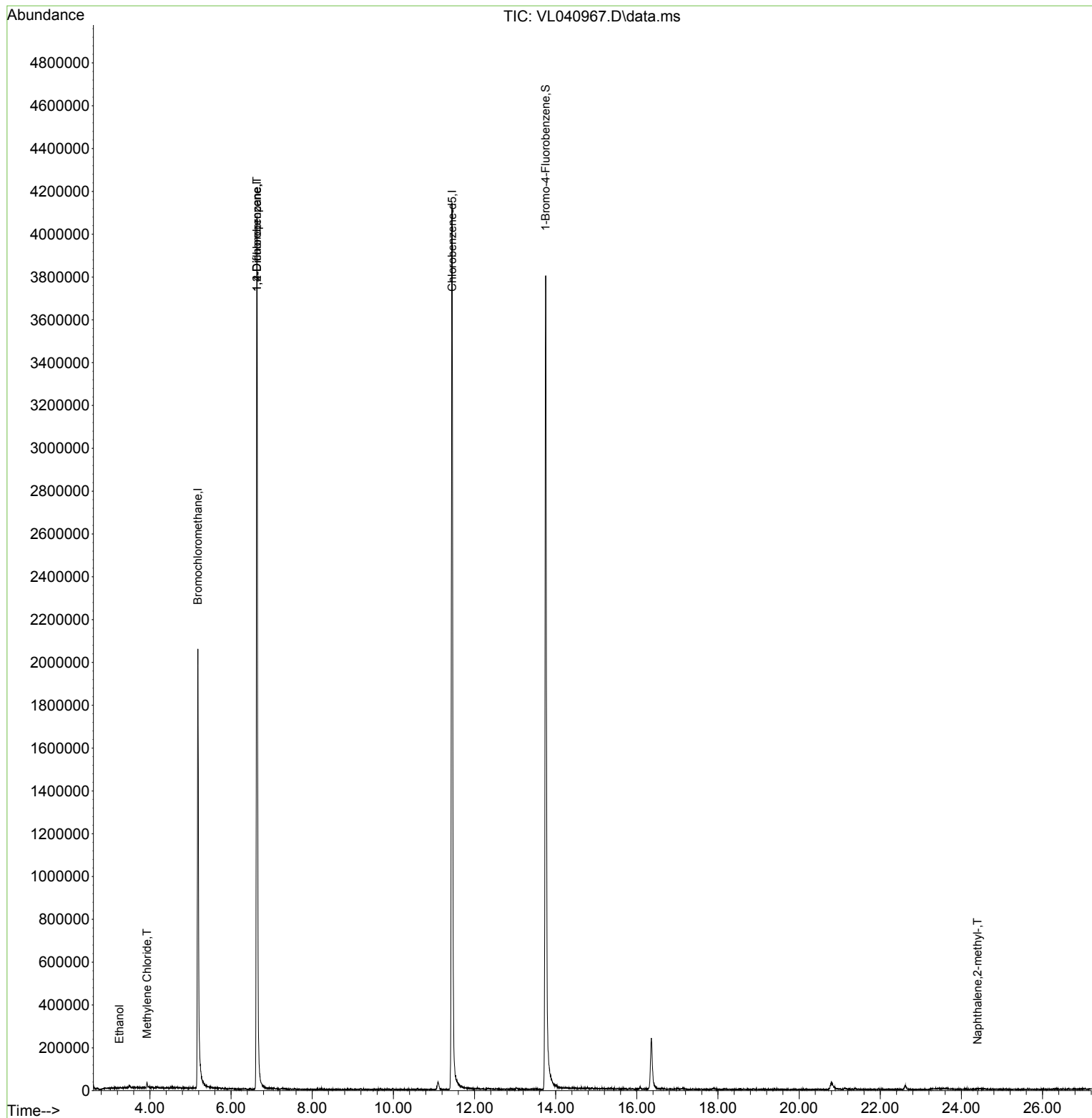
Internal Standards						
1) Bromochloromethane	5.182	49	1092460	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3150291	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.445	117	2639742	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1941745	9.986	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
13) Ethanol	3.250	45	351	0.026	ppbv #	37
20) Methylene Chloride	3.931	84	4178	0.089	ppbv	86
39) 1,2-Dichloropropane	6.639	63	784516	8.106	ppbv #	24
80) Naphthalene,2-methyl-	24.400	142	1570	0.062	ppbv #	69

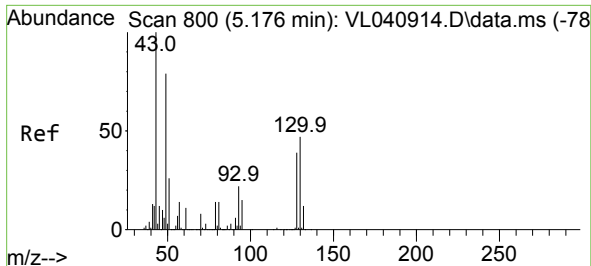
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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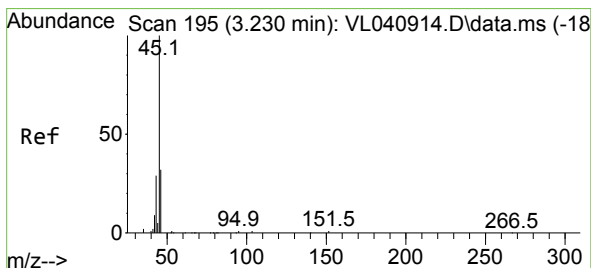
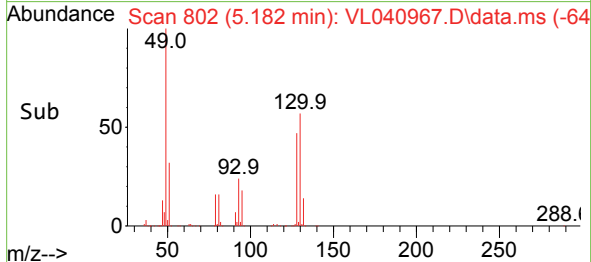
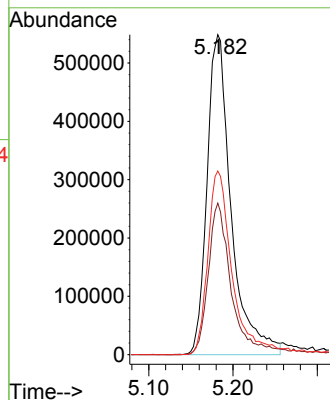
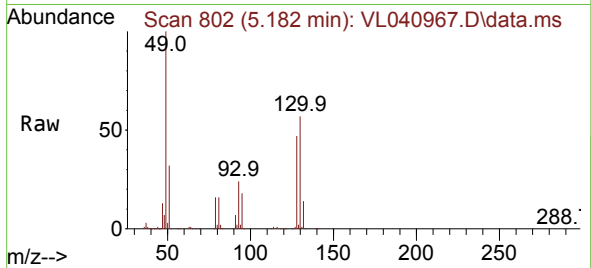




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040967.D
Acq: 15 Jan 2024 12:58

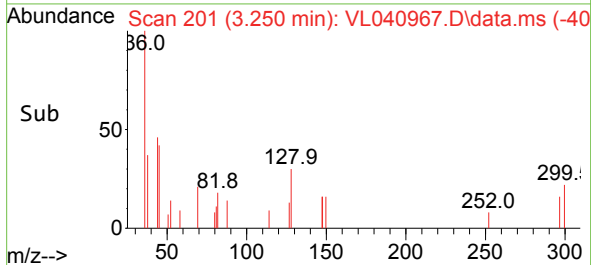
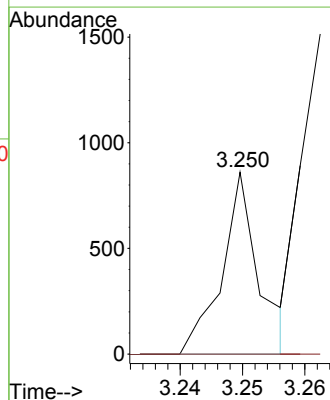
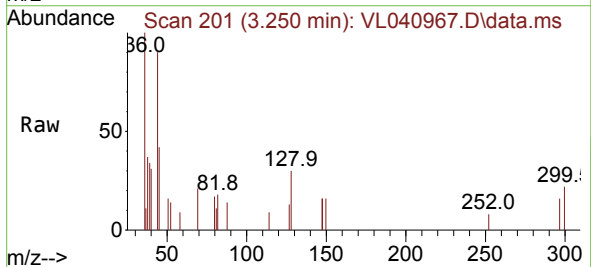
Instrument :
MSVOA_L
ClientSampleId :

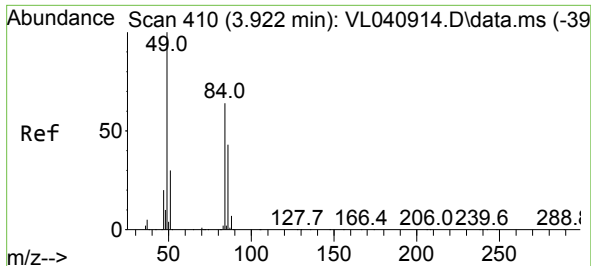
Tgt Ion: 49 Resp: 1092460
Ion Ratio Lower Upper
49 100
128 48.1 23.8 71.2
130 60.6 30.1 90.5



#13
Ethanol
Concen: 0.026 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.019 min
Lab File: VL040967.D
Acq: 15 Jan 2024 12:58

Tgt Ion: 45 Resp: 351
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0#





#20

Methylene Chloride

Concen: 0.089 ppbv

RT: 3.931 min Scan# 410

Delta R.T. 0.013 min

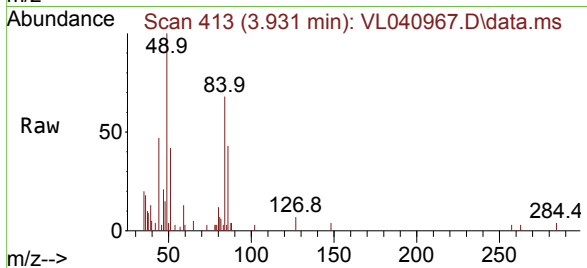
Lab File: VL040967.D

Acq: 15 Jan 2024 12:58

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 84 Resp: 4178

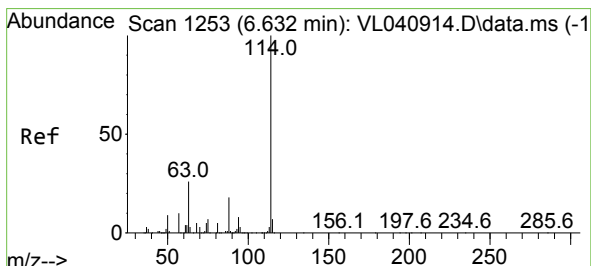
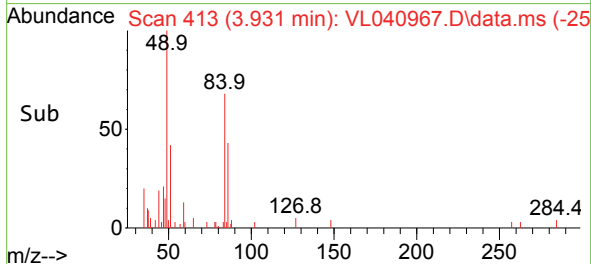
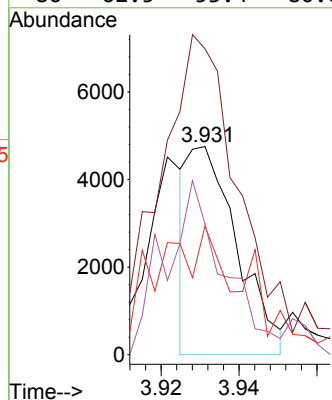
Ion Ratio Lower Upper

84 100

49 127.2 124.6 187.0

51 46.1 37.2 55.8

86 62.5 53.4 80.0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. 0.003 min

Lab File: VL040967.D

Acq: 15 Jan 2024 12:58

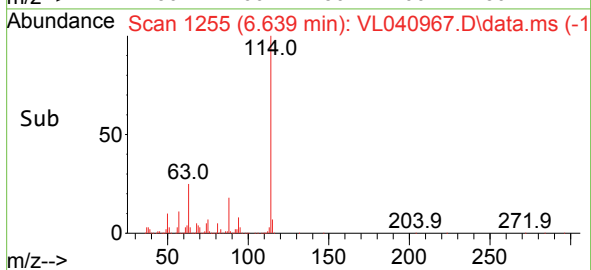
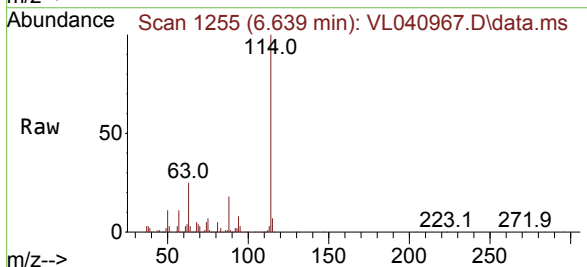
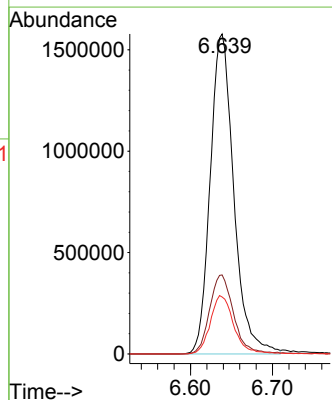
Tgt Ion: 114 Resp: 3150291

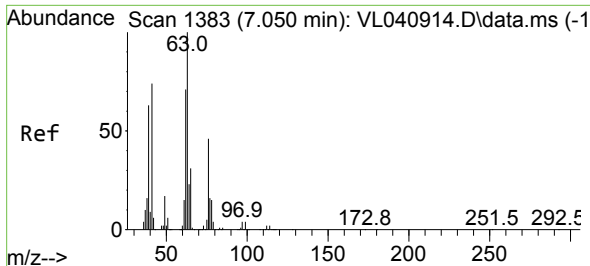
Ion Ratio Lower Upper

114 100

63 25.5 21.0 31.6

88 18.3 14.3 21.5





#39

1,2-Dichloropropane

Concen: 8.106 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL040967.D

Acq: 15 Jan 2024 12:58

Instrument :

MSVOA_L

ClientSampleId :

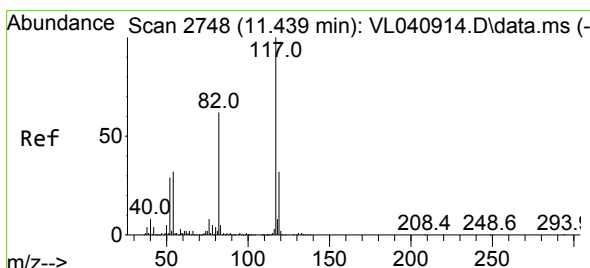
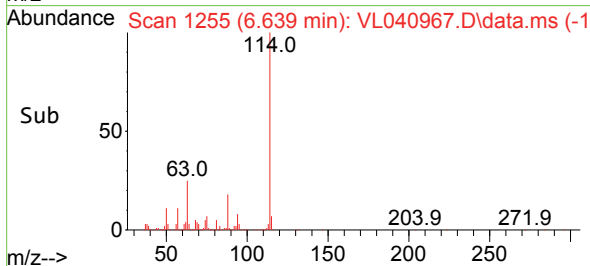
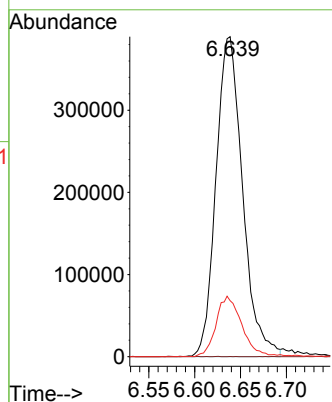
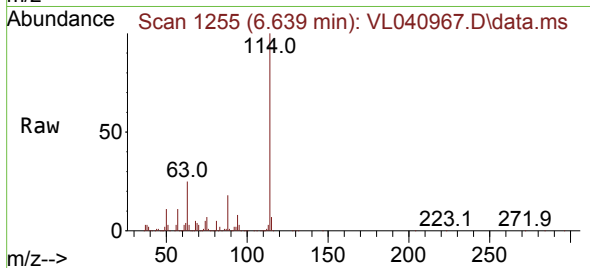
Tgt Ion: 63 Resp: 784516

Ion Ratio Lower Upper

63 100

41 0.0 59.0 88.6#

62 17.5 56.6 85.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.445 min Scan# 2750

Delta R.T. 0.003 min

Lab File: VL040967.D

Acq: 15 Jan 2024 12:58

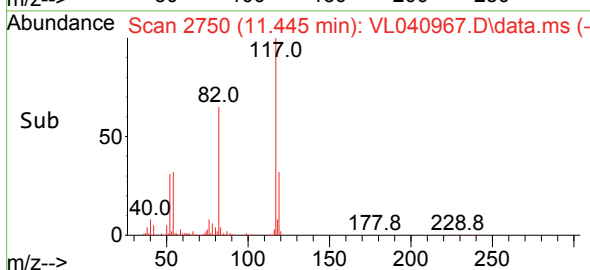
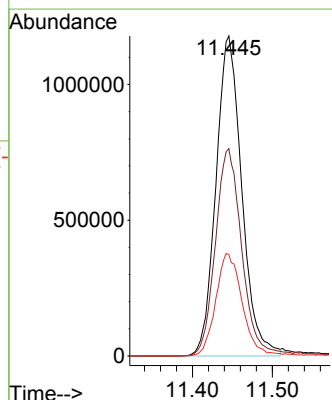
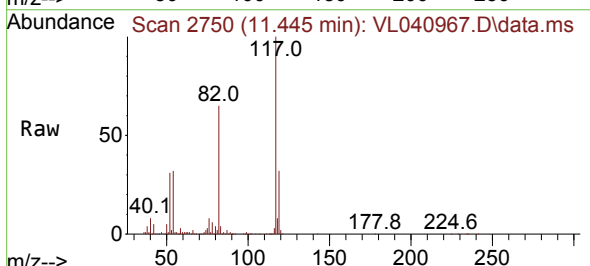
Tgt Ion: 117 Resp: 2639742

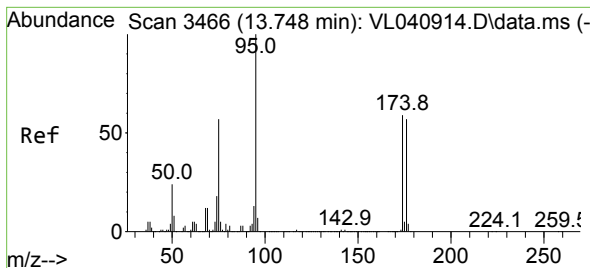
Ion Ratio Lower Upper

117 100

82 67.6 49.6 74.4

119 33.6 23.4 35.0

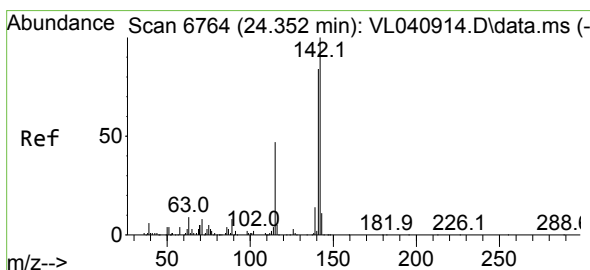
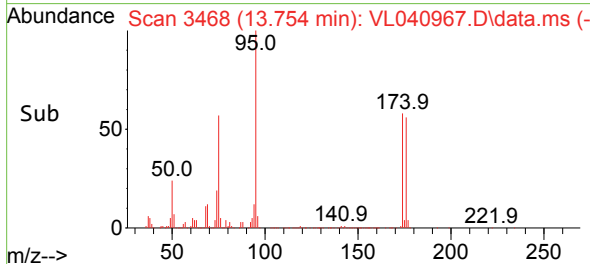
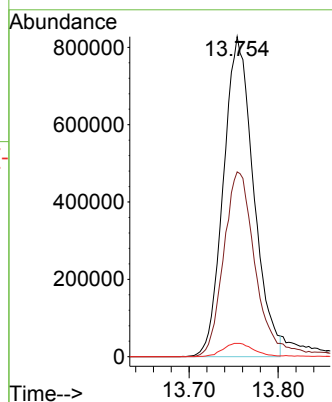
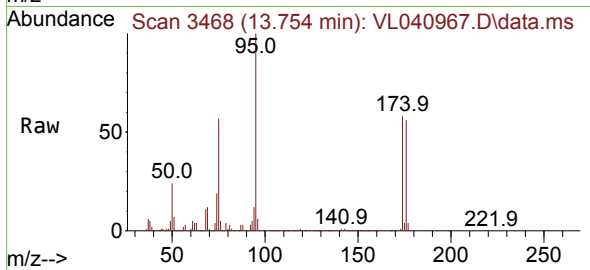




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.986 ppbv
 RT: 13.754 min Scan# 3468
 Delta R.T. -0.000 min
 Lab File: VL040967.D
 Acq: 15 Jan 2024 12:58

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 95 Resp: 1941745
 Ion Ratio Lower Upper
 95 100
 174 62.2 48.0 72.0
 175 4.6 3.7 5.5



#80
 Naphthalene,2-methyl-
 Concen: 0.062 ppbv
 RT: 24.400 min Scan# 6779
 Delta R.T. 0.045 min
 Lab File: VL040967.D
 Acq: 15 Jan 2024 12:58

Tgt Ion:142 Resp: 1570
 Ion Ratio Lower Upper
 142 100
 141 49.3 68.5 102.7#
 115 52.5 34.5 51.7#

