

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040924.D
 Acq On : 21 Dec 2023 9:53
 Operator : SY/MD
 Sample : VL1221ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 22 00:04:31 2023
 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 : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

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

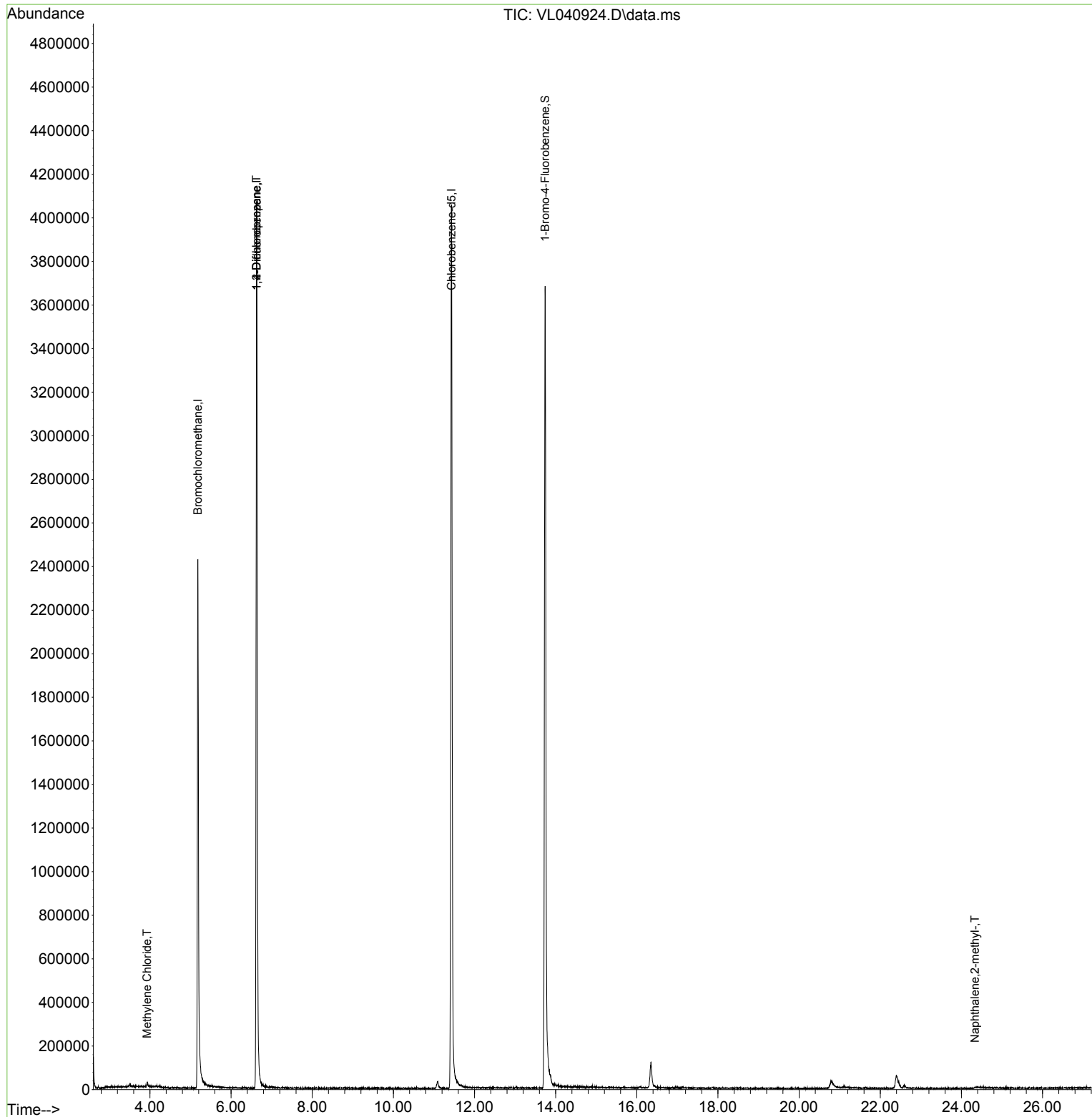
Internal Standards						
1) Bromochloromethane	5.182	49	1247675	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3195393	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.433	117	2704220	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	2011994	10.101	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						
					Qvalue	
20) Methylene Chloride	3.928	84	1926	0.036	ppbv #	82
39) 1,2-Dichloropropane	6.629	63	795898	8.108	ppbv #	24
80) Naphthalene,2-methyl-	24.333	142	3250	0.126	ppbv #	74

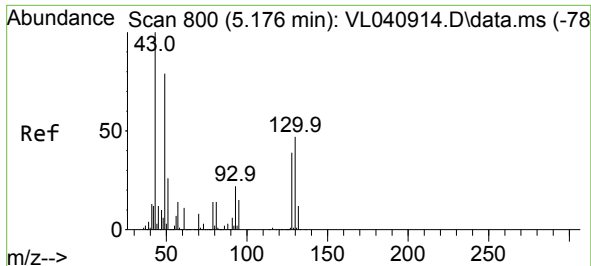
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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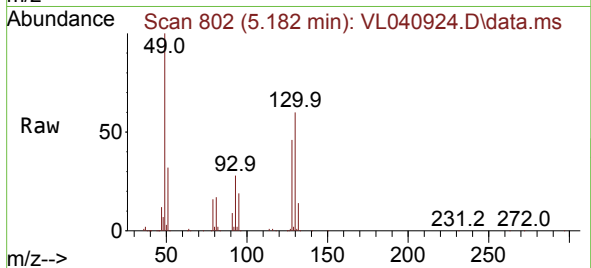
Quant Time: Dec 22 00:04:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
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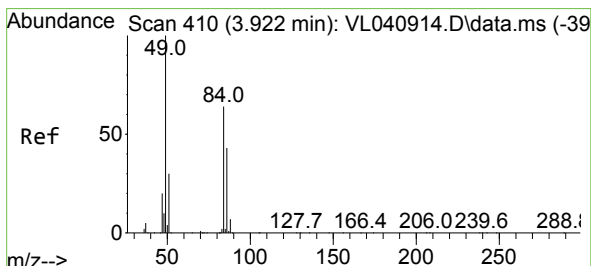
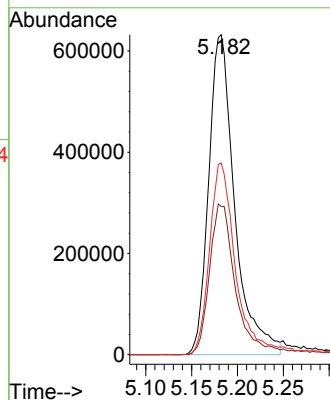
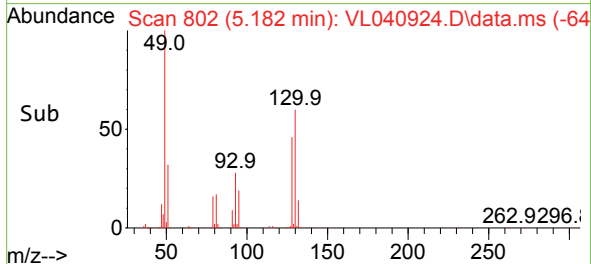


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040924.D
Acq: 21 Dec 2023 9:53

Instrument :
MSVOA_L
ClientSampleId :

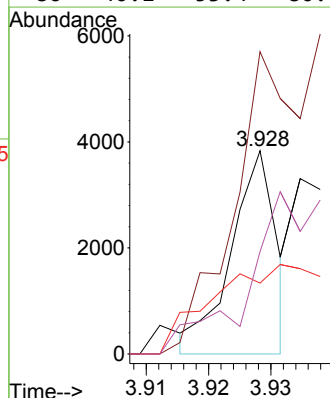
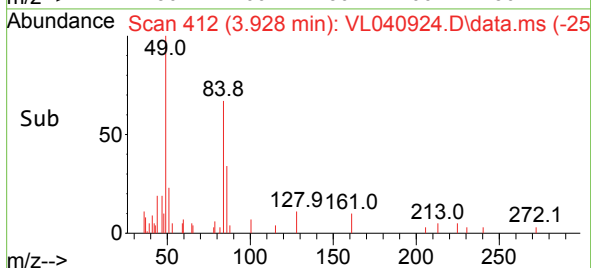
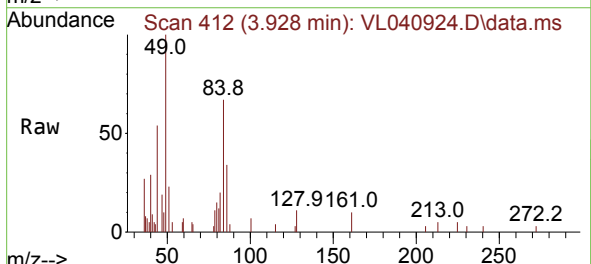


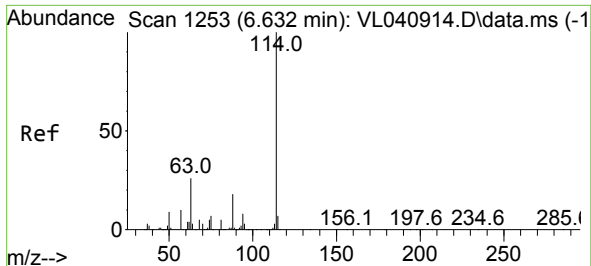
Tgt Ion: 49 Resp: 1247675
Ion Ratio Lower Upper
49 100
128 48.5 23.8 71.2
130 62.1 30.1 90.5



#20
Methylene Chloride
Concen: 0.036 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.007 min
Lab File: VL040924.D
Acq: 21 Dec 2023 9:53

Tgt Ion: 84 Resp: 1926
Ion Ratio Lower Upper
84 100
49 159.6 124.6 187.0
51 16.0 37.2 55.8#
86 40.1 53.4 80.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040924.D

Acq: 21 Dec 2023 9:53

Instrument :

MSVOA_L

ClientSampleId :

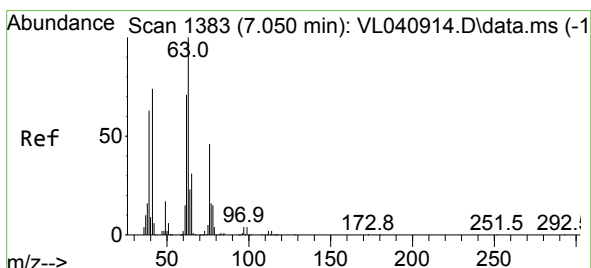
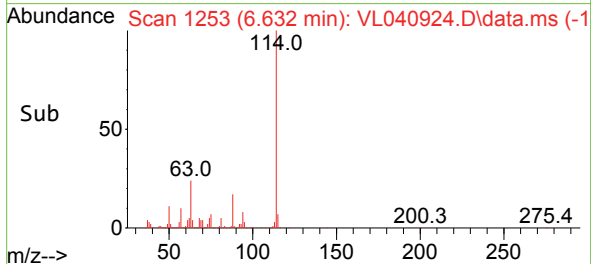
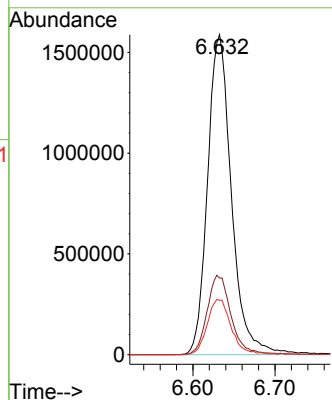
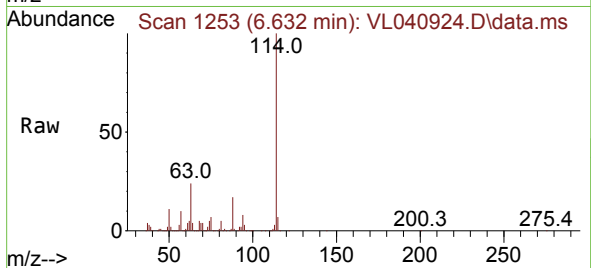
Tgt Ion:114 Resp: 3195393

Ion Ratio Lower Upper

114 100

63 25.4 21.0 31.6

88 17.7 14.3 21.5



#39

1,2-Dichloropropane

Concen: 8.108 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. -0.421 min

Lab File: VL040924.D

Acq: 21 Dec 2023 9:53

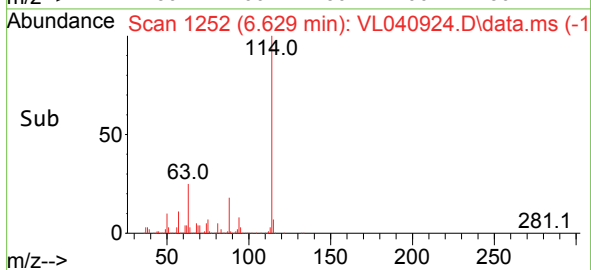
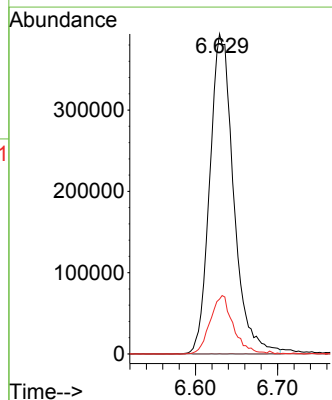
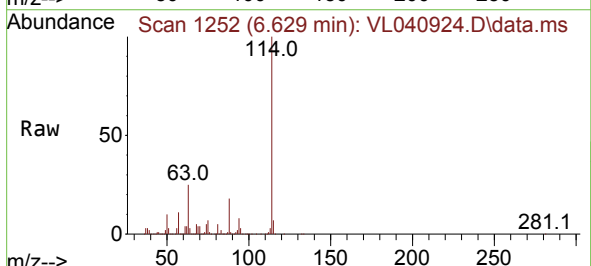
Tgt Ion: 63 Resp: 795898

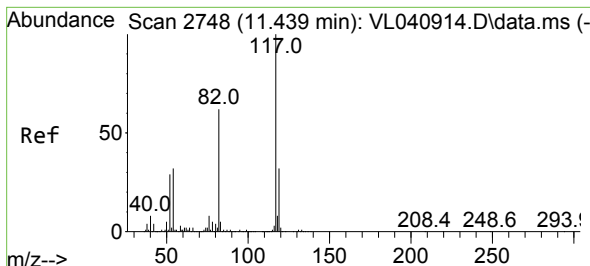
Ion Ratio Lower Upper

63 100

41 0.0 59.0 88.6#

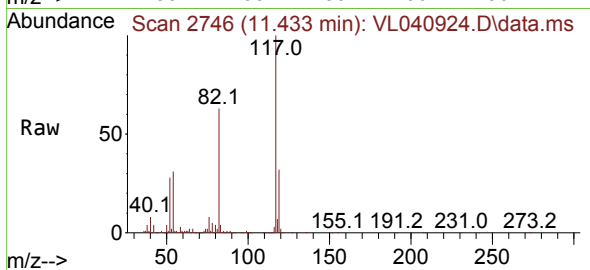
62 17.1 56.6 85.0#





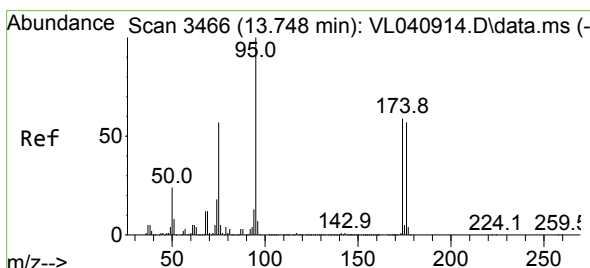
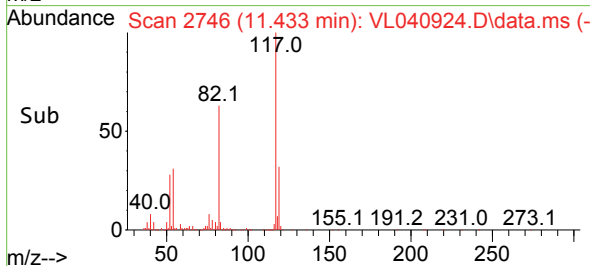
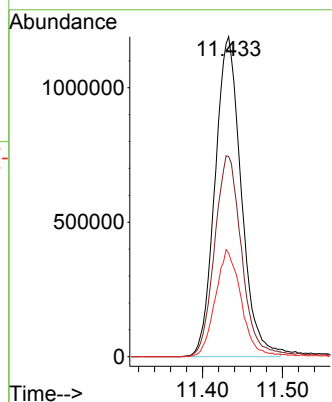
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040924.D
Acq: 21 Dec 2023 9:53

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 2704220

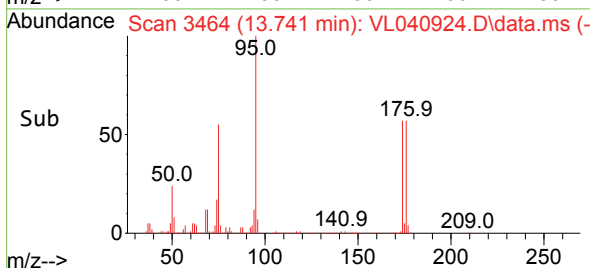
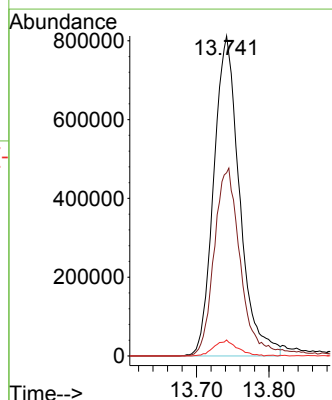
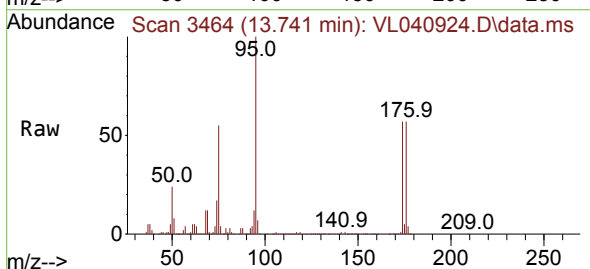
Ion	Ratio	Lower	Upper
117	100		
82	66.5	49.6	74.4
119	33.5	23.4	35.0

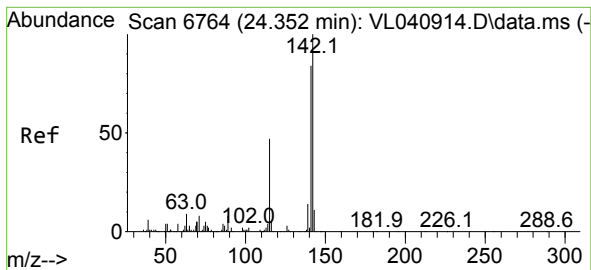


#68
1-Bromo-4-Fluorobenzene
Concen: 10.101 ppbv
RT: 13.741 min Scan# 3464
Delta R.T. -0.006 min
Lab File: VL040924.D
Acq: 21 Dec 2023 9:53

Tgt Ion: 95 Resp: 2011994

Ion	Ratio	Lower	Upper
95	100		
174	61.4	48.0	72.0
175	4.7	3.7	5.5





#80

Naphthalene, 2-methyl-

Concen: 0.126 ppbv

RT: 24.333 min Scan# 61

Delta R.T. -0.019 min

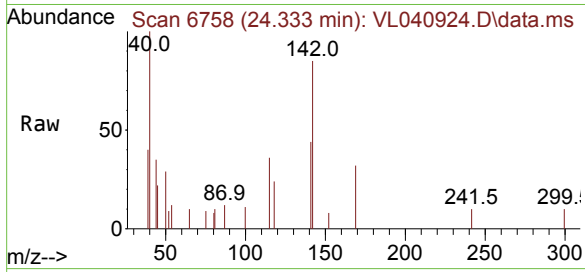
Lab File: VL040924.D

Acq: 21 Dec 2023 9:53

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:142 Resp: 3250

Ion Ratio Lower Upper

142 100

141 81.3 68.5 102.7

115 0.0 34.5 51.7#

