

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041796.D
 Acq On : 18 Dec 2024 16:37
 Operator : SY/MD
 Sample : QC121724 CAN 10158
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 19 07:56:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

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

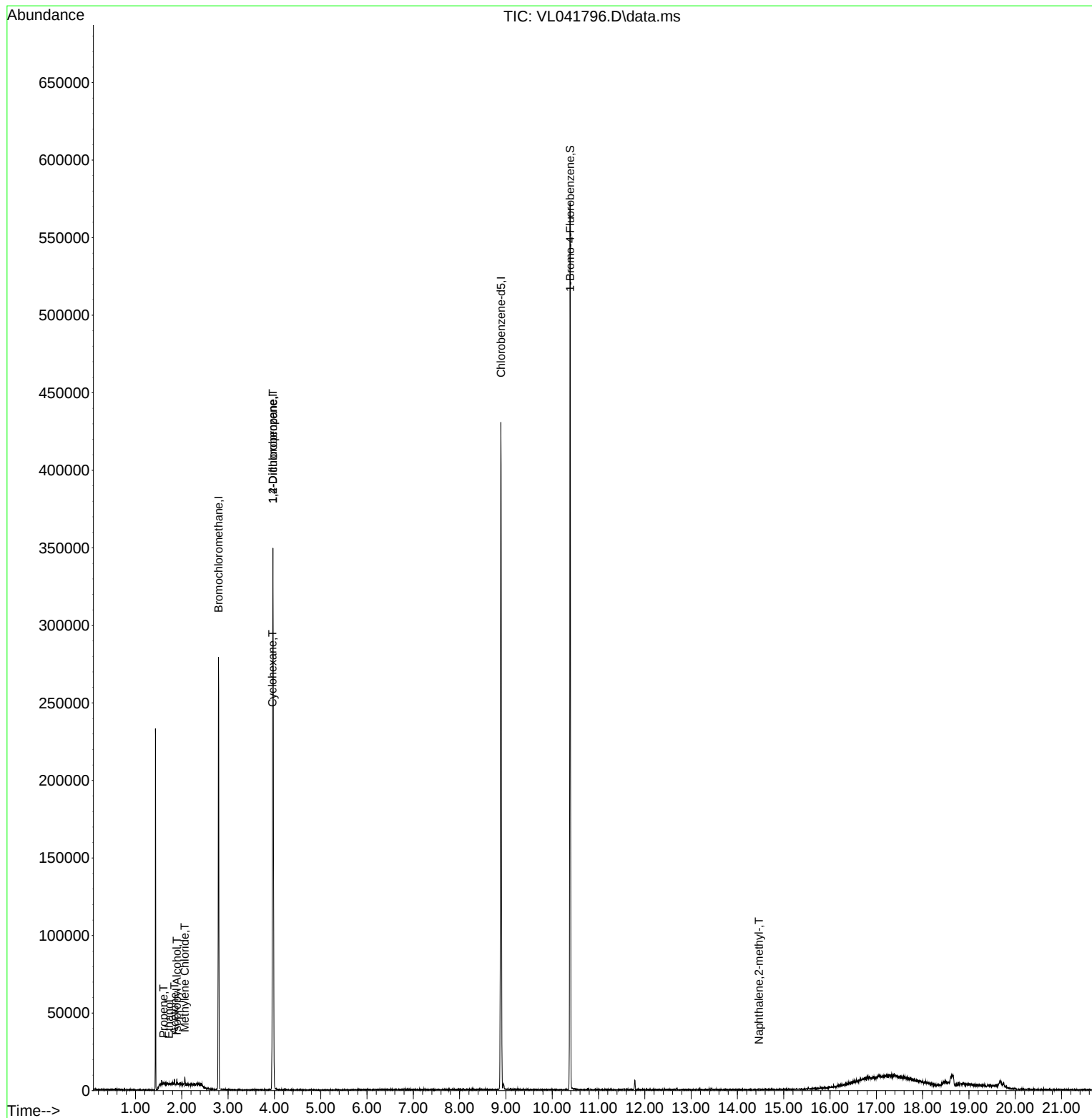
Internal Standards						
1) Bromochloromethane	2.793	49	73011	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	179409	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	152308	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	125911	9.920	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
9) Propene	1.605	41	280	0.054	ppbv	92
13) Ethanol	1.722	45	94	0.220	ppbv #	34
15) Acetone	1.839	43	1652	0.116	ppbv	95
19) Isopropyl Alcohol	1.890	45	1442	0.169	ppbv #	43
20) Methylene Chloride	2.065	84	586	0.145	ppbv #	62
30) Cyclohexane	3.959	84	1025	0.120	ppbv #	1
39) 1,2-Dichloropropane	3.968	63	49866	7.430	ppbv #	18
80) Naphthalene,2-methyl-	14.468	142	181	0.036	ppbv #	69

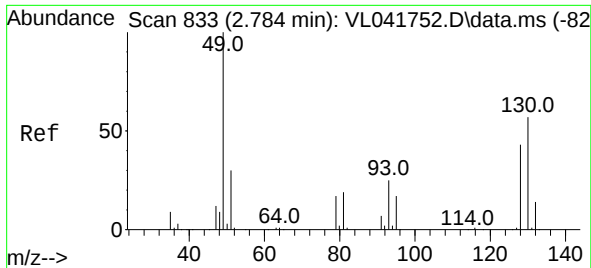
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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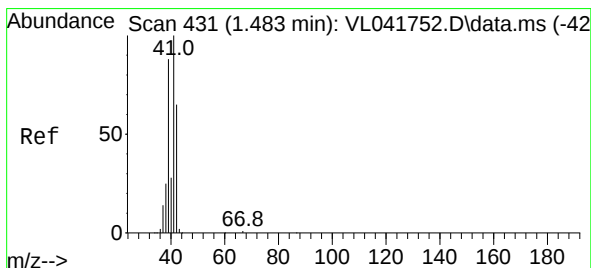
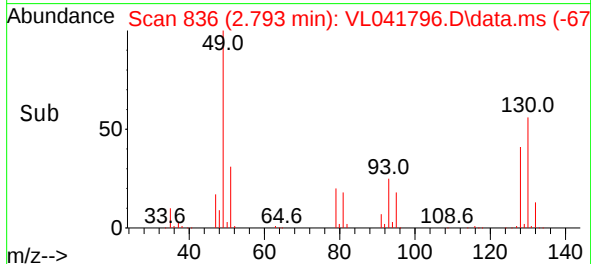
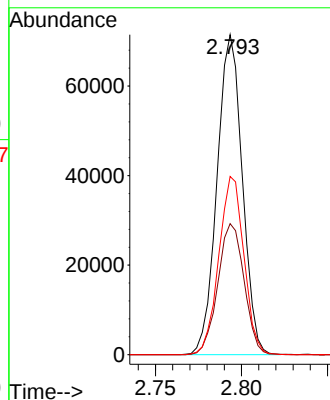
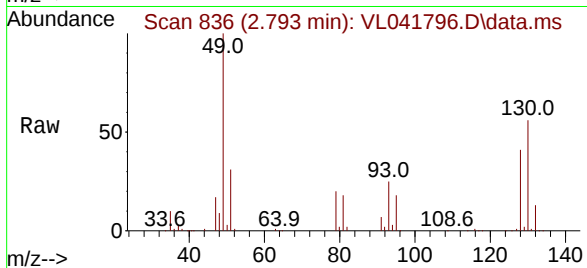




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 841
Delta R.T. 0.009 min
Lab File: VL041796.D
Acq: 18 Dec 2024 16:37

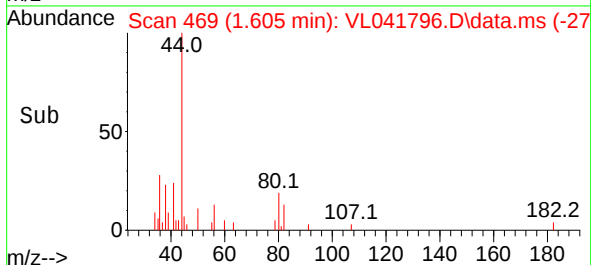
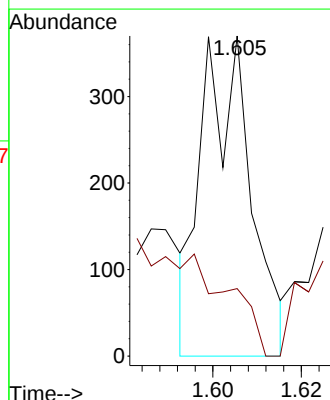
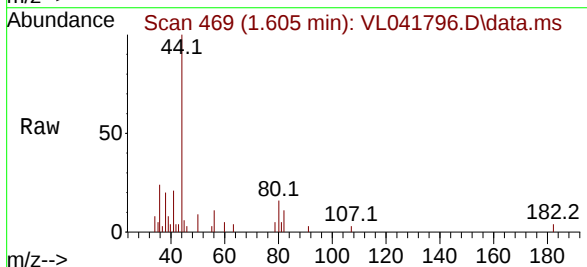
Instrument :
MSVOA_L
ClientSampleId :

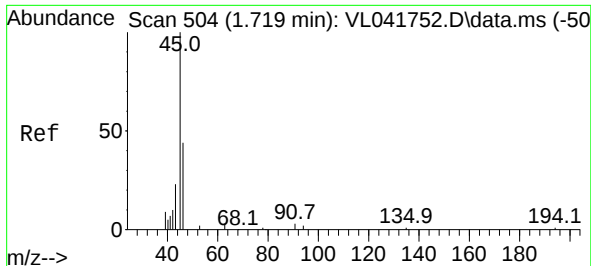
Tgt Ion: 49 Resp: 73011
Ion Ratio Lower Upper
49 100
128 42.5 21.6 64.6
130 55.3 28.3 85.0



#9
Propene
Concen: 0.054 ppbv
RT: 1.605 min Scan# 469
Delta R.T. 0.123 min
Lab File: VL041796.D
Acq: 18 Dec 2024 16:37

Tgt Ion: 41 Resp: 280
Ion Ratio Lower Upper
41 100
42 59.3 52.4 78.6





#13

Ethanol

Concen: 0.220 ppbv

RT: 1.722 min Scan# 50

Delta R.T. 0.003 min

Lab File: VL041796.D

Acq: 18 Dec 2024 16:37

Instrument :

MSVOA_L

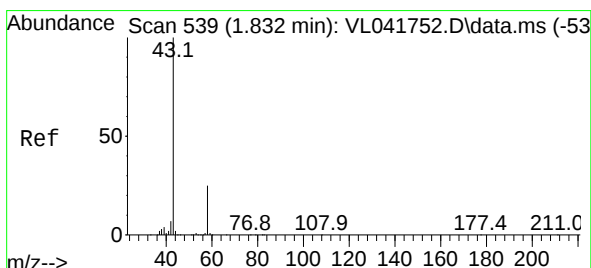
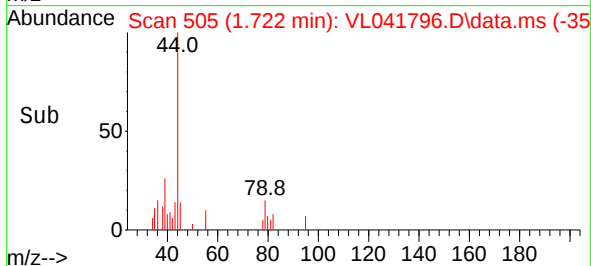
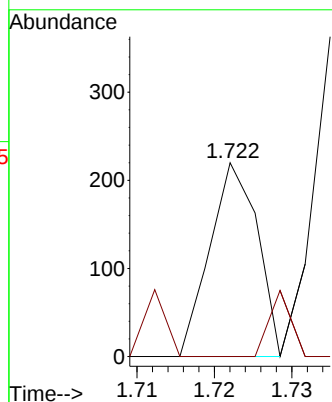
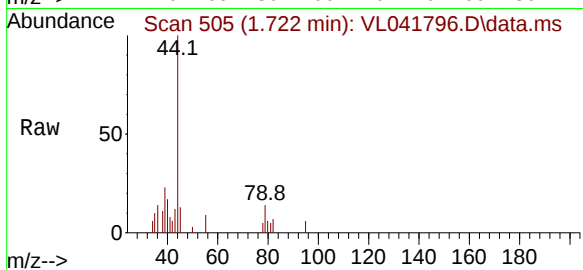
ClientSampleId :

Tgt Ion: 45 Resp: 94

Ion Ratio Lower Upper

45 100

46 0.0 16.4 65.8#



#15

Acetone

Concen: 0.116 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL041796.D

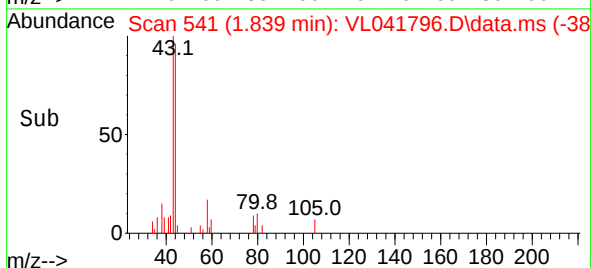
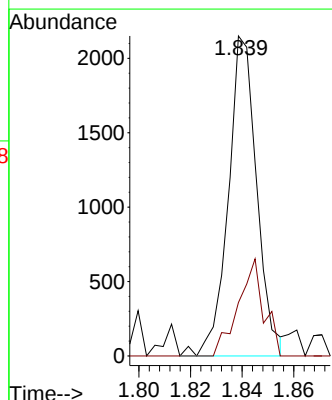
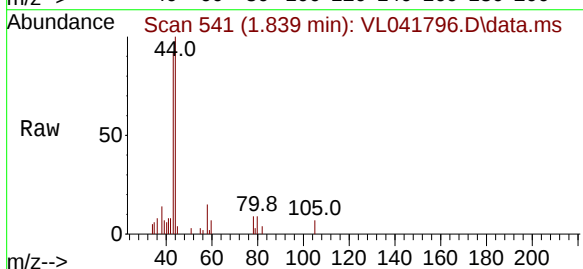
Acq: 18 Dec 2024 16:37

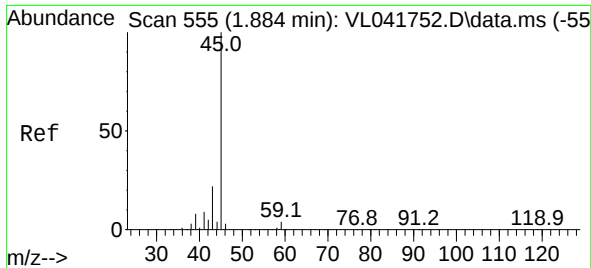
Tgt Ion: 43 Resp: 1652

Ion Ratio Lower Upper

43 100

58 27.2 19.7 29.5





#19

Isopropyl Alcohol

Concen: 0.169 ppbv

RT: 1.890 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL041796.D

Acq: 18 Dec 2024 16:37

Instrument :

MSVOA_L

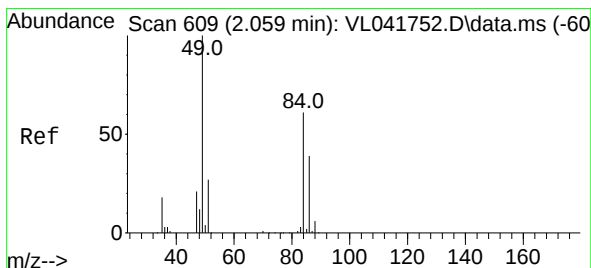
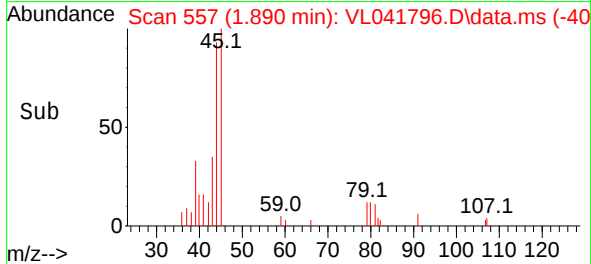
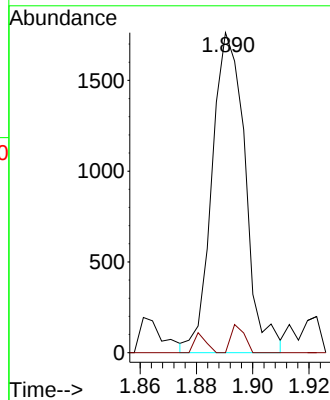
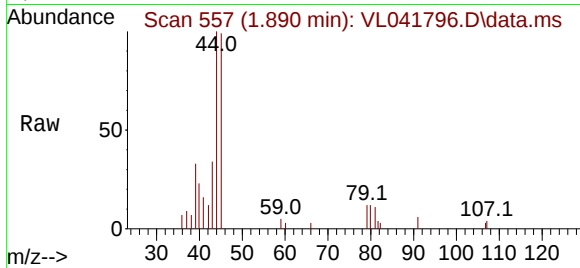
ClientSampleId :

Tgt Ion: 45 Resp: 1442

Ion Ratio Lower Upper

45 100

58 5.7 33.3 49.9#



#20

Methylene Chloride

Concen: 0.145 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041796.D

Acq: 18 Dec 2024 16:37

Tgt Ion: 84 Resp: 586

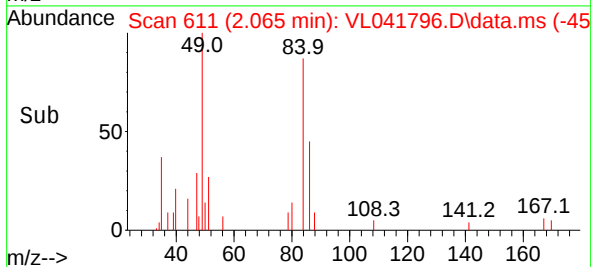
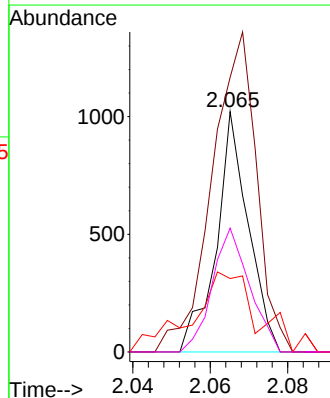
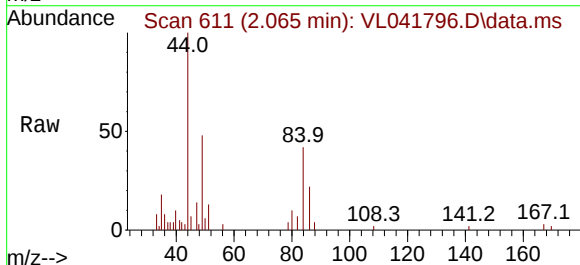
Ion Ratio Lower Upper

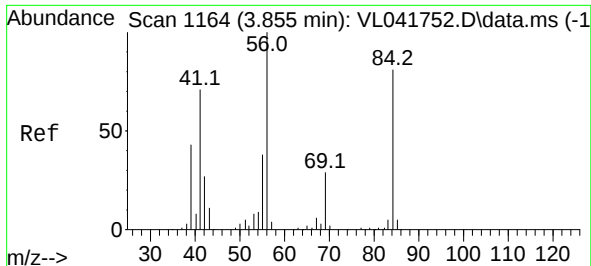
84 100

49 104.4 132.6 198.8#

51 20.6 37.6 56.4#

86 51.5 51.4 77.0





#30

Cyclohexane

Concen: 0.120 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.103 min

Lab File: VL041796.D

Acq: 18 Dec 2024 16:37

Instrument :

MSVOA_L

ClientSampleId :

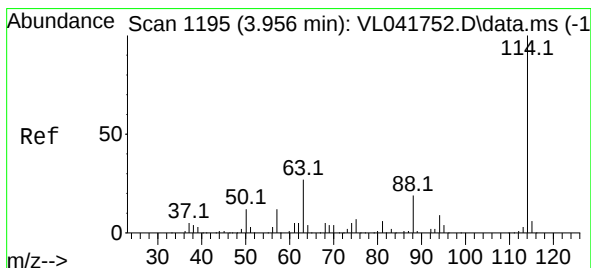
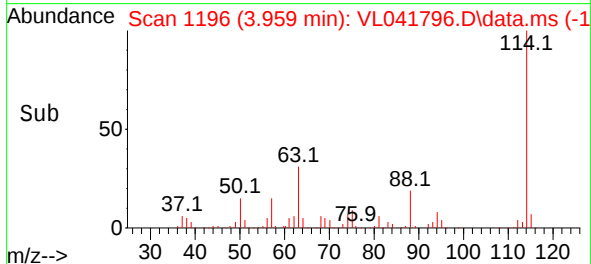
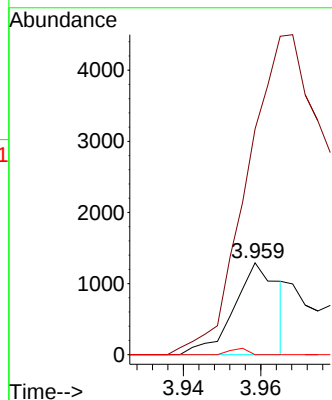
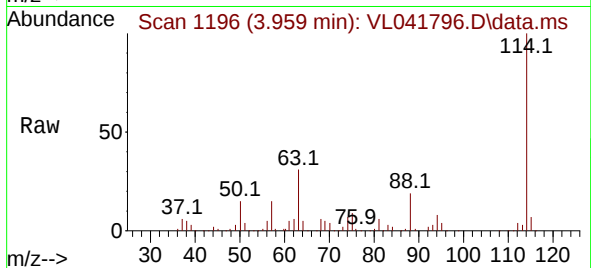
Tgt Ion: 84 Resp: 1025

Ion Ratio Lower Upper

84 100

56 670.8 102.3 153.5#

41 2.0 74.0 111.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL041796.D

Acq: 18 Dec 2024 16:37

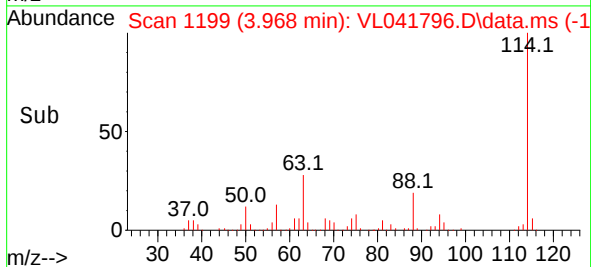
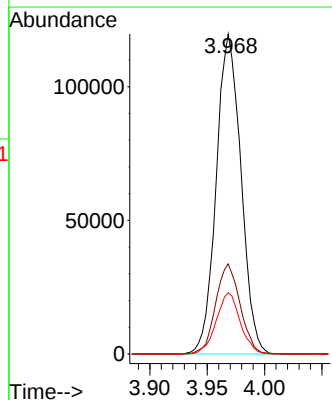
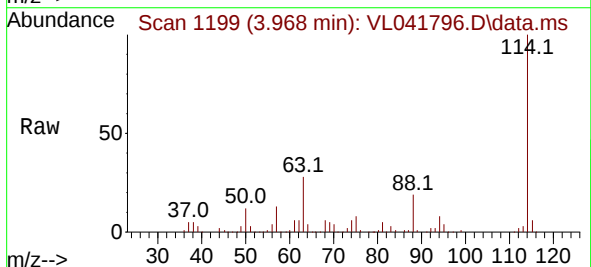
Tgt Ion: 114 Resp: 179409

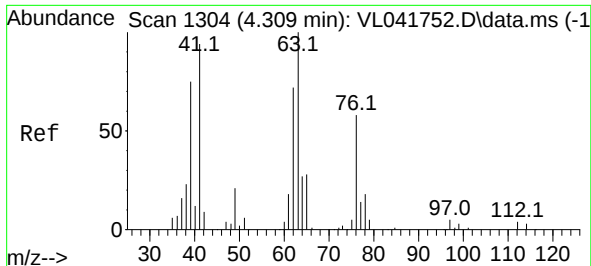
Ion Ratio Lower Upper

114 100

63 27.8 21.8 32.8

88 18.5 14.8 22.2





#39

1,2-Dichloropropane

Concen: 7.430 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.340 min

Lab File: VL041796.D

Acq: 18 Dec 2024 16:37

Instrument :

MSVOA_L

ClientSampleId :

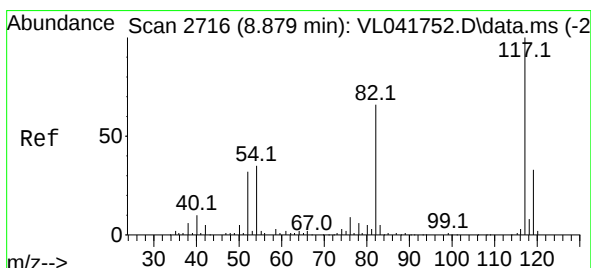
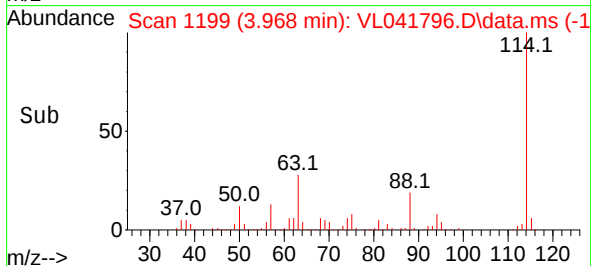
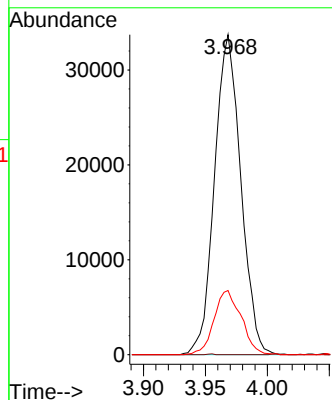
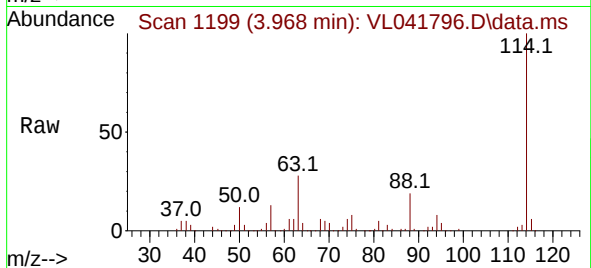
Tgt Ion: 63 Resp: 49866

Ion Ratio Lower Upper

63 100

41 0.0 75.3 112.9#

62 20.0 57.3 85.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 2720

Delta R.T. 0.013 min

Lab File: VL041796.D

Acq: 18 Dec 2024 16:37

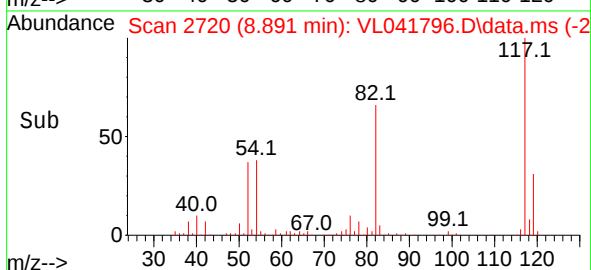
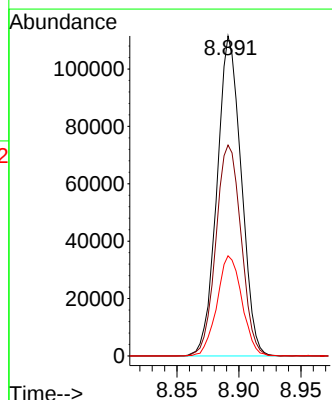
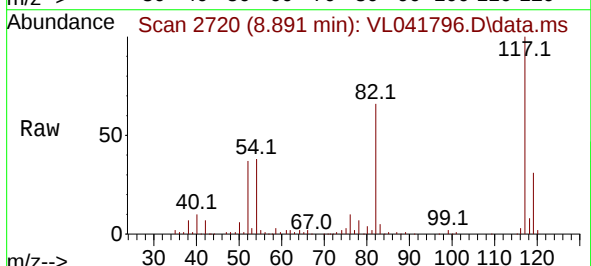
Tgt Ion: 117 Resp: 152308

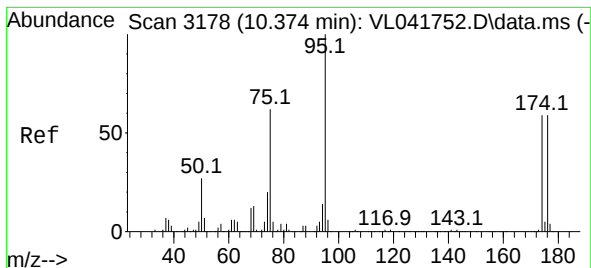
Ion Ratio Lower Upper

117 100

82 68.5 53.8 80.8

119 32.2 26.7 40.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.920 ppbv

RT: 10.386 min Scan# 3178

Delta R.T. 0.013 min

Lab File: VL041796.D

Acq: 18 Dec 2024 16:37

Instrument :

MSVOA_L

ClientSampleId :

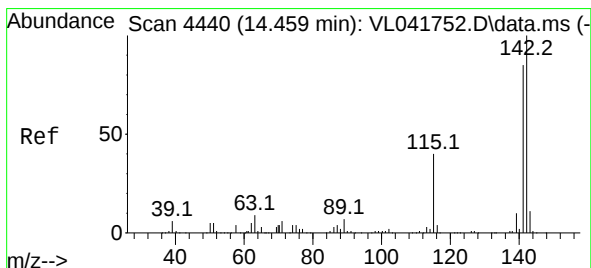
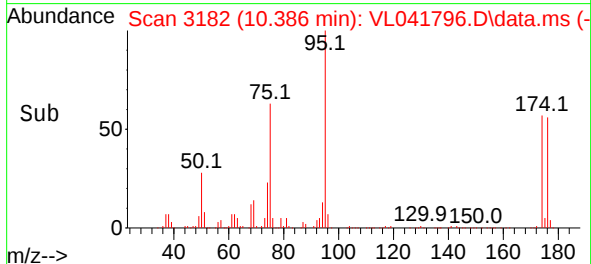
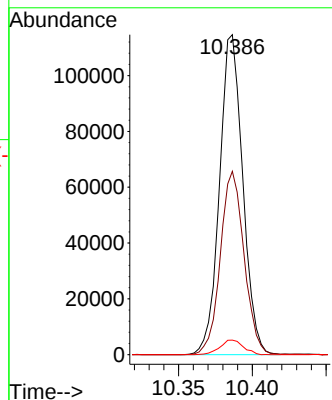
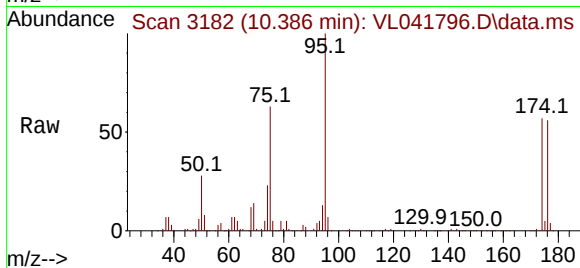
Tgt Ion: 95 Resp: 125911

Ion Ratio Lower Upper

95 100

174 58.6 47.6 71.4

175 4.6 3.7 5.5



#80

Naphthalene, 2-methyl-

Concen: 0.036 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. 0.009 min

Lab File: VL041796.D

Acq: 18 Dec 2024 16:37

Tgt Ion: 142 Resp: 181

Ion Ratio Lower Upper

142 100

141 102.2 68.4 102.6

115 5.5 32.5 48.7#

