

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080624\
 Data File : VU060320.D
 Acq On : 06 Aug 2024 14:07
 Operator : MD/SY
 Sample : P3204-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

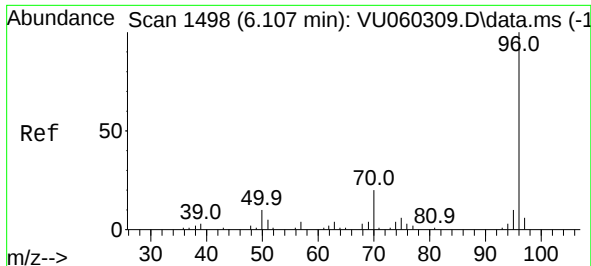
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 07 07:01:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

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

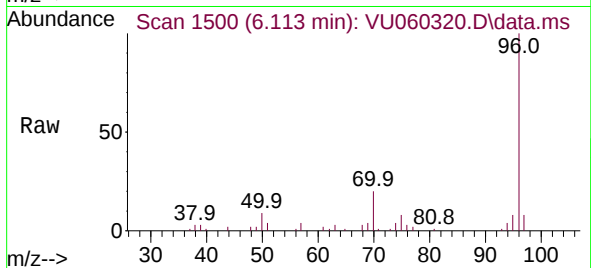
Internal Standards						
1) Fluorobenzene	6.113	96	30707	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8760	0.837	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	10442	0.919	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
						Qvalue
15) Methylene Chloride	3.039	84	6439	0.560	ug/l	90
24) tert-Butyl Alcohol	3.174	59	3242	3.479	ug/l #	83
46) t-1,4-Dichloro-2-butene	10.817	75	15227	5.572	ug/l #	24
56) 1,2-Dibromoethane	8.923	107	12483	1.826	ug/l	91
63) Ethyl Benzene	9.566	91	160	0.502	ug/l #	44
64) m/p-Xylenes	9.708	106	110	0.904	ug/l #	1
66) Styrene	10.132	104	68	0.473	ug/l #	19
69) Isopropylbenzene	10.483	105	264	0.481	ug/l #	49
71) 1,2,3-Trichloropropane	10.817	75	15227	2.026	ug/l	87
75) 1,3,5-Trimethylbenzene	11.090	105	213	0.462	ug/l #	29
77) tert-Butylbenzene	11.431	119	41	0.446	ug/l #	31
78) 1,2,4-Trimethylbenzene	11.476	105	306	0.504	ug/l #	52
79) sec-Butylbenzene	11.646	105	385	0.460	ug/l #	57
80) Nitrobenzene	12.994	77	233	0.523	ug/l #	39
81) p-Isopropyltoluene	11.801	119	328	0.527	ug/l #	50
84) n-Butylbenzene	12.219	91	500	0.522	ug/l #	65
86) 1,2-Dibromo-3-Chloropr...	13.000	75	647	0.440	ug/l	93

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

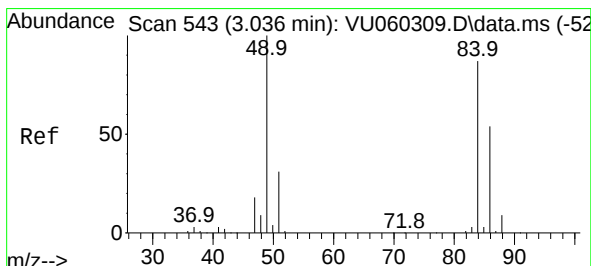
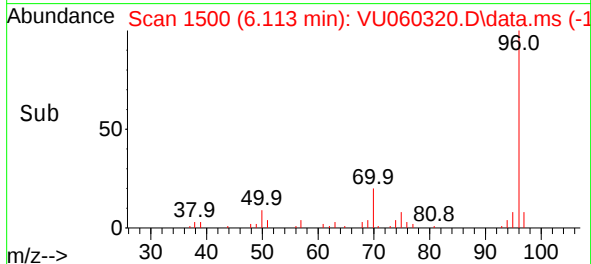
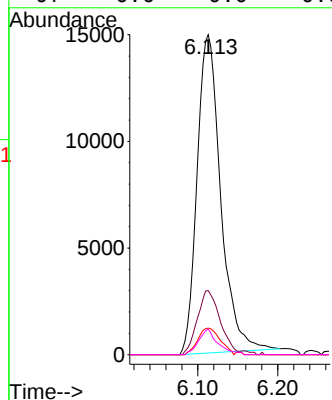


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1498
Delta R.T. 0.006 min
Lab File: VU060320.D
Acq: 06 Aug 2024 14:07

Instrument :
MSVOA_U
ClientSampleId :

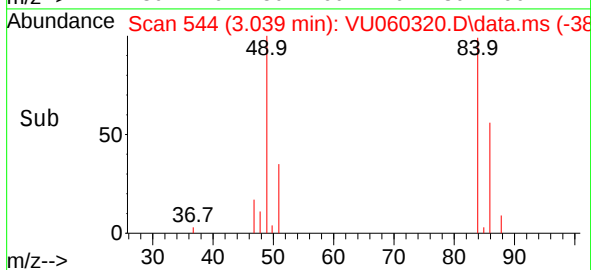
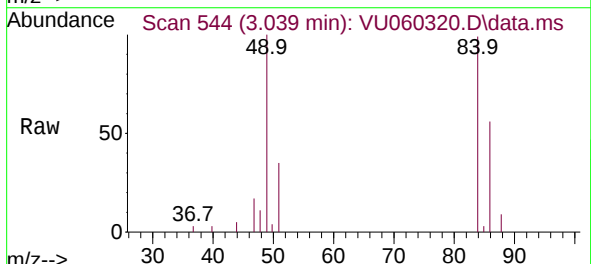
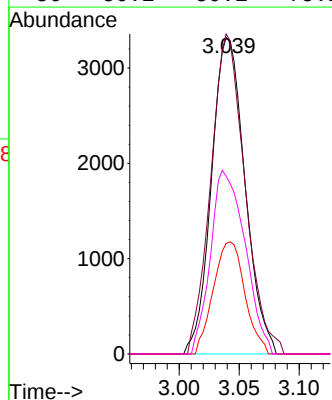


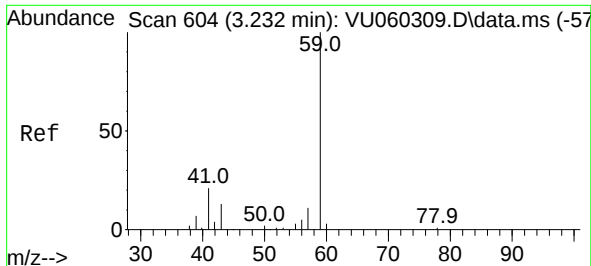
Tgt Ion: 96 Resp: 30707
Ion Ratio Lower Upper
96 100
70 18.3 17.2 25.8
95 7.9 7.9 11.9#
97 6.6 0.0 0.0#



#15
Methylene Chloride
Concen: 0.560 ug/l
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU060320.D
Acq: 06 Aug 2024 14:07

Tgt Ion: 84 Resp: 6439
Ion Ratio Lower Upper
84 100
49 101.2 92.1 138.1
51 35.0 0.0 72.4
86 56.2 50.1 75.1





#24

tert-Butyl Alcohol

Concen: 3.479 ug/l

RT: 3.174 min Scan# 51

Delta R.T. -0.058 min

Lab File: VU060320.D

Acq: 06 Aug 2024 14:07

Instrument :

MSVOA_U

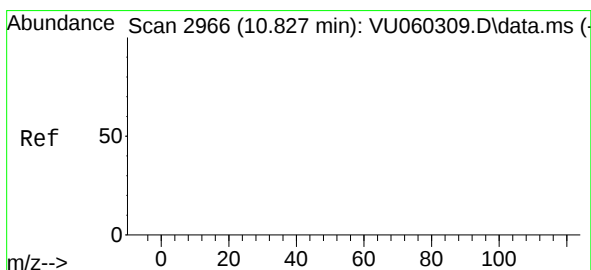
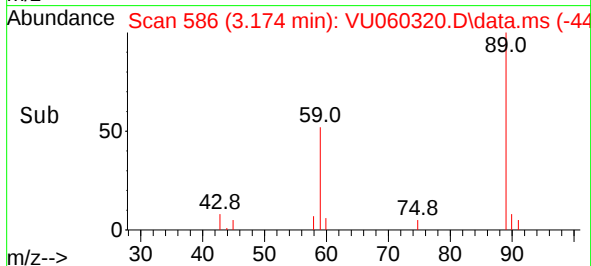
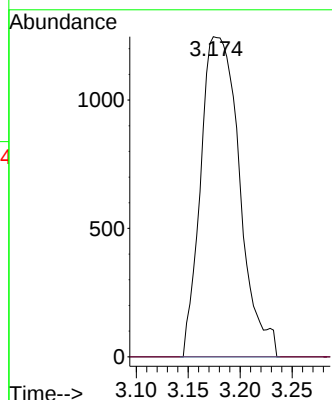
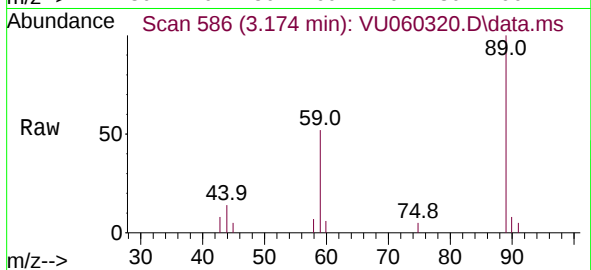
ClientSampleId :

Tgt Ion: 59 Resp: 3242

Ion Ratio Lower Upper

59 100

57 0.0 4.5 6.7#



#46

t-1,4-Dichloro-2-butene

Concen: 5.572 ug/l

RT: 10.817 min Scan# 2963

Delta R.T. -0.010 min

Lab File: VU060320.D

Acq: 06 Aug 2024 14:07

Tgt Ion: 75 Resp: 15227

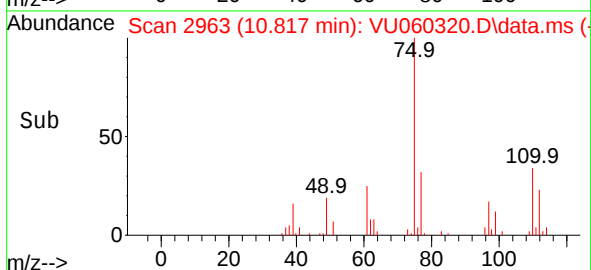
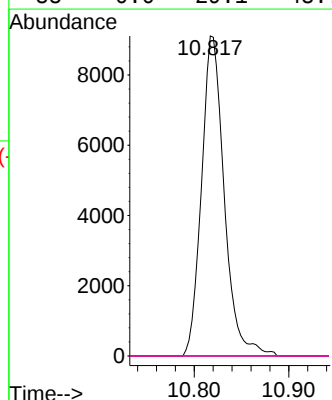
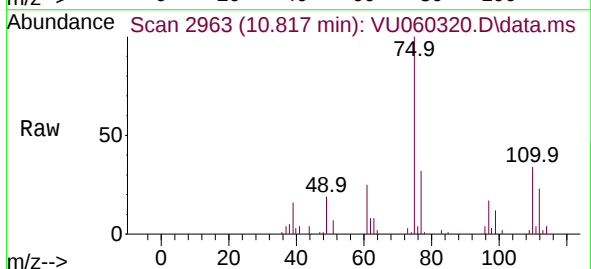
Ion Ratio Lower Upper

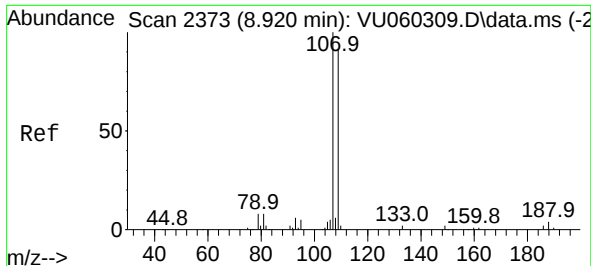
75 100

53 0.0 57.2 85.8#

89 0.0 40.4 60.6#

88 0.0 29.1 43.7#

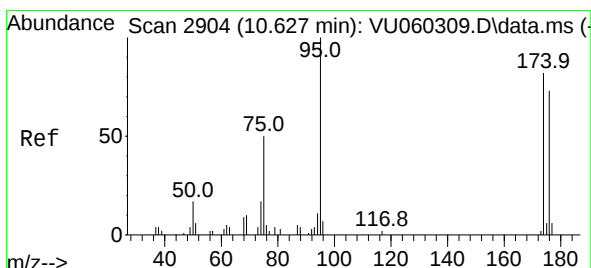
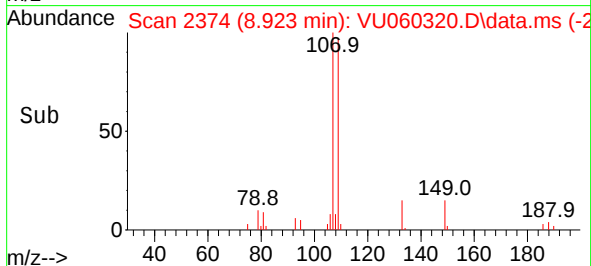
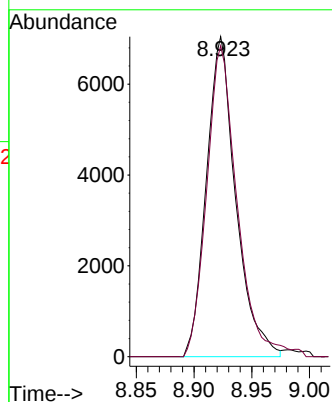
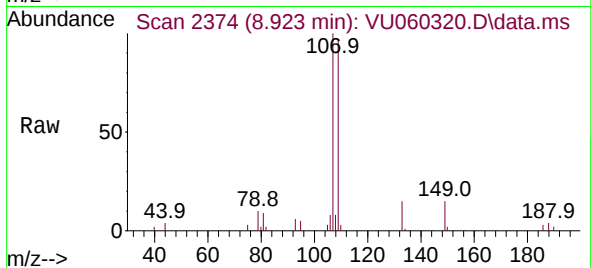




#56
1,2-Dibromoethane
Concen: 1.826 ug/l
RT: 8.923 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU060320.D
Acq: 06 Aug 2024 14:07

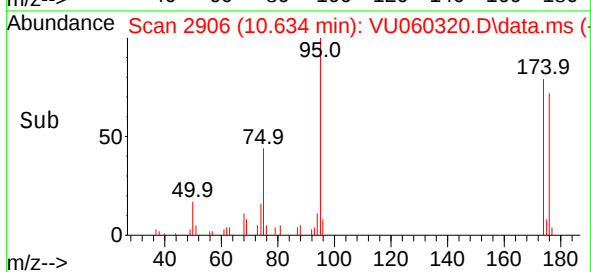
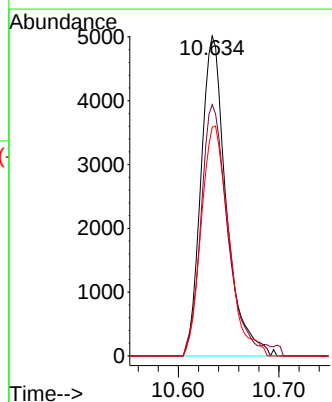
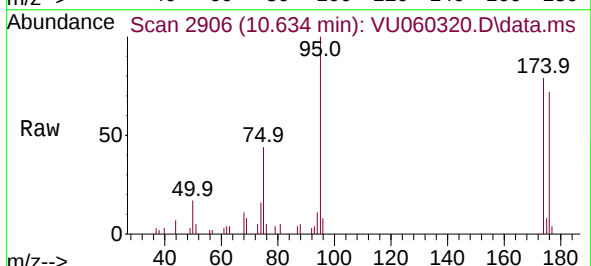
Instrument :
MSVOA_U
ClientSampleId :

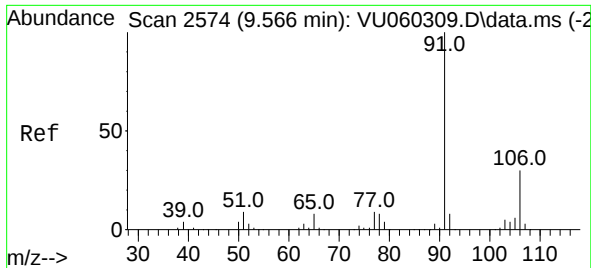
Tgt Ion:107 Resp: 12483
Ion Ratio Lower Upper
107 100
109 100.6 0.0 184.0



#57
4-Bromofluorobenzene
Concen: 0.837 ug/l
RT: 10.634 min Scan# 2906
Delta R.T. 0.006 min
Lab File: VU060320.D
Acq: 06 Aug 2024 14:07

Tgt Ion: 95 Resp: 8760
Ion Ratio Lower Upper
95 100
174 82.5 65.6 98.4
176 78.5 60.4 90.6

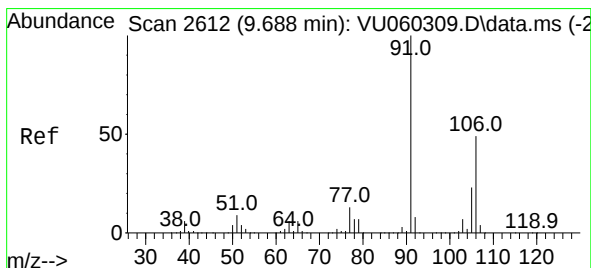
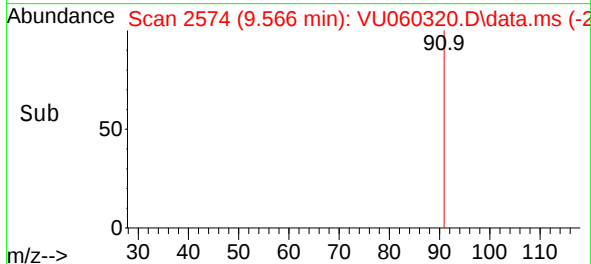
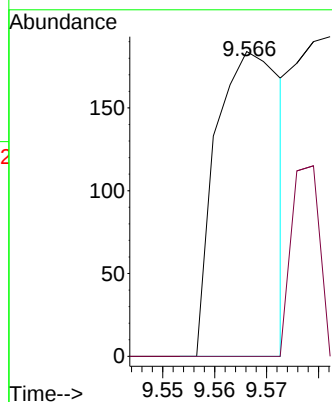
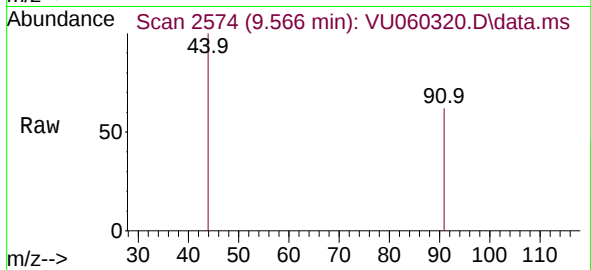




#63
Ethyl Benzene
Concen: 0.502 ug/l
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU060320.D
Acq: 06 Aug 2024 14:07

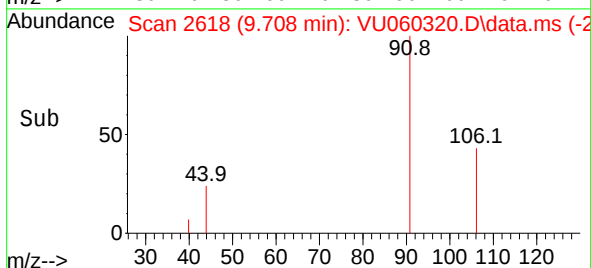
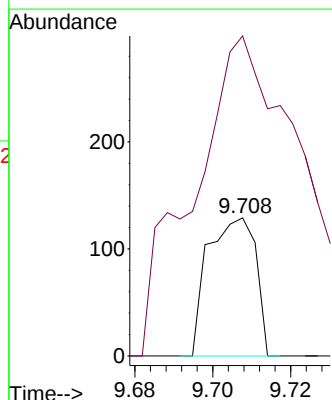
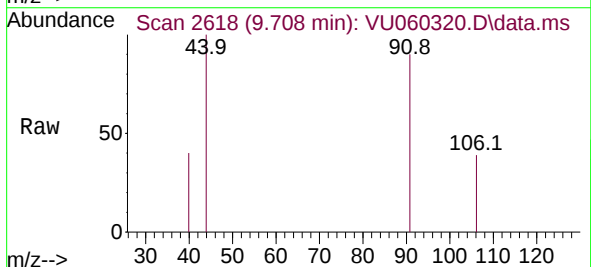
Instrument :
MSVOA_U
ClientSampleId :

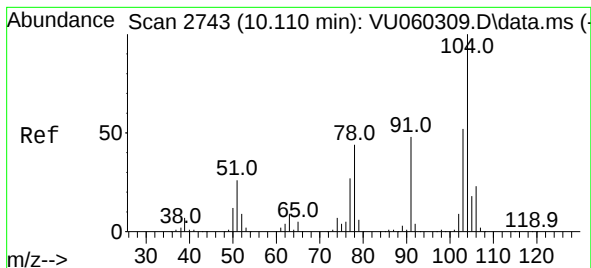
Tgt Ion: 91 Resp: 160
Ion Ratio Lower Upper
91 100
106 0.0 24.4 36.6#



#64
m/p-Xylenes
Concen: 0.904 ug/l
RT: 9.708 min Scan# 2618
Delta R.T. 0.020 min
Lab File: VU060320.D
Acq: 06 Aug 2024 14:07

Tgt Ion:106 Resp: 110
Ion Ratio Lower Upper
106 100
91 504.5 165.0 247.4#





#66

Styrene

Concen: 0.473 ug/l

RT: 10.132 min Scan# 21

Delta R.T. 0.022 min

Lab File: VU060320.D

Acq: 06 Aug 2024 14:07

Instrument :

MSVOA_U

ClientSampleId :

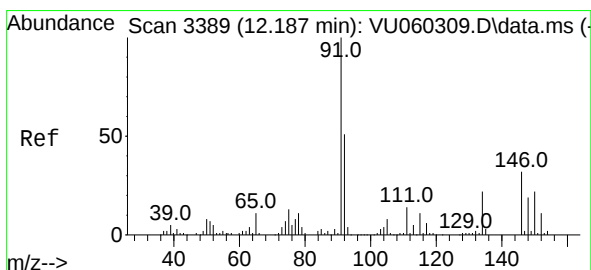
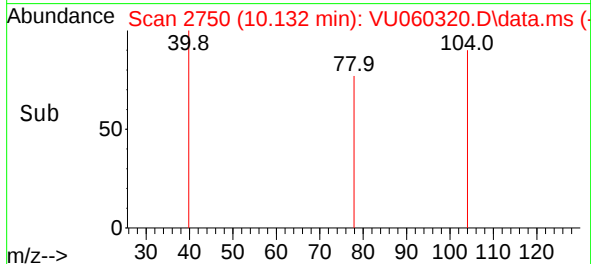
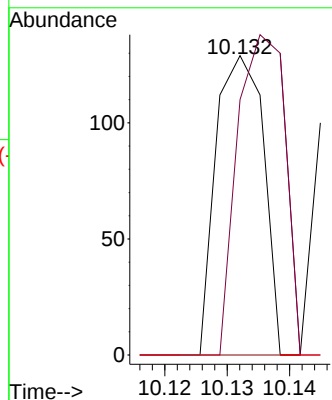
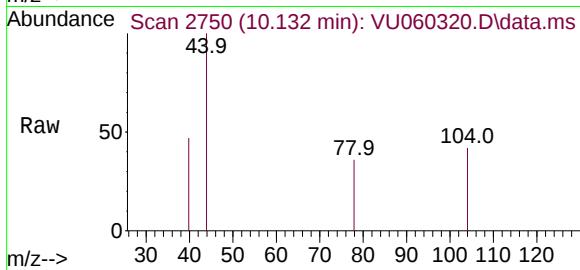
Tgt Ion:104 Resp: 68

Ion Ratio Lower Upper

104 100

78 107.4 39.0 58.6#

103 0.0 45.0 67.6#



#68

1,2-Dichlorobenzene-d4

Concen: 0.919 ug/l

RT: 12.193 min Scan# 3391

Delta R.T. 0.006 min

Lab File: VU060320.D

Acq: 06 Aug 2024 14:07

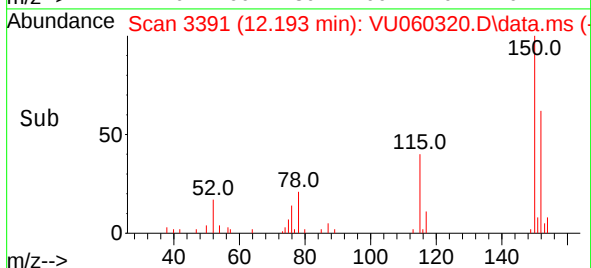
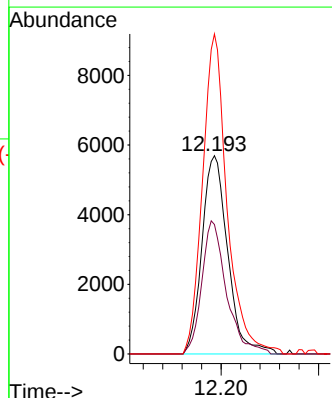
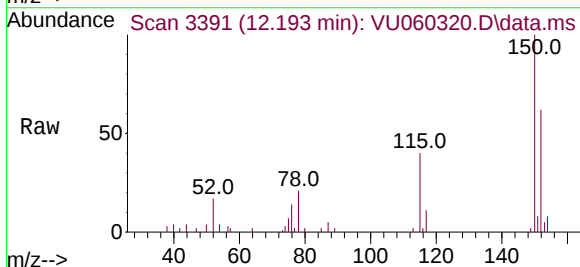
Tgt Ion:152 Resp: 10442

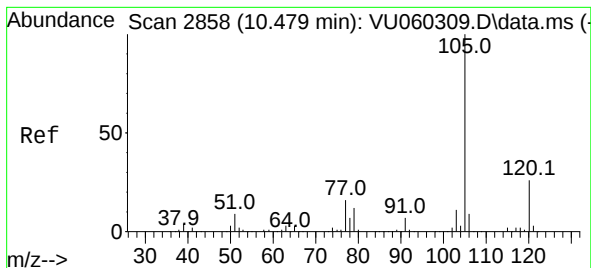
Ion Ratio Lower Upper

152 100

115 64.2 0.0 325.2

150 153.9 0.0 684.2





#69

Isopropylbenzene

Concen: 0.481 ug/l

RT: 10.483 min Scan# 2858

Delta R.T. 0.004 min

Lab File: VU060320.D

Acq: 06 Aug 2024 14:07

Instrument :

MSVOA_U

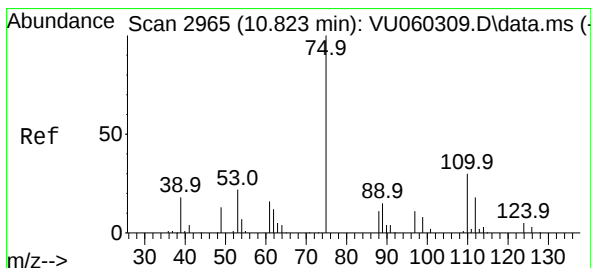
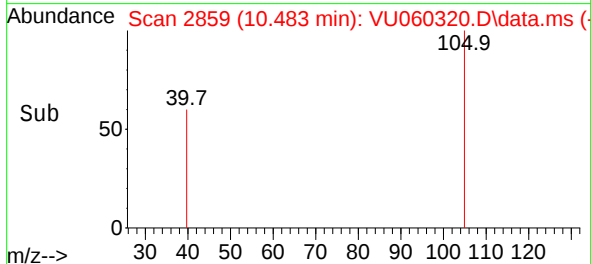
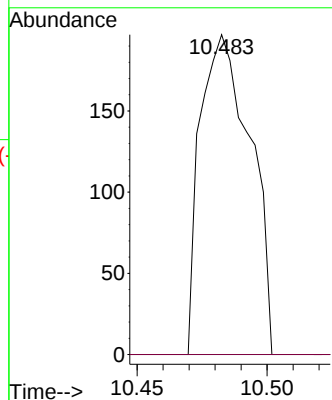
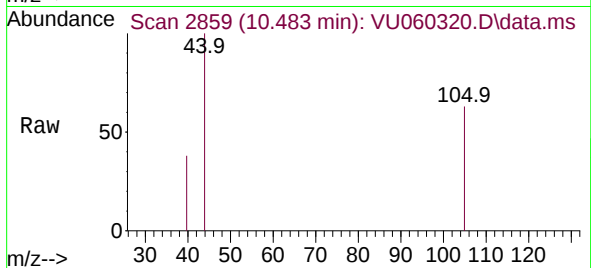
ClientSampleId :

Tgt Ion:105 Resp: 264

Ion Ratio Lower Upper

105 100

120 0.0 13.0 39.0#



#71

1,2,3-Trichloropropane

Concen: 2.026 ug/l

RT: 10.817 min Scan# 2963

Delta R.T. -0.007 min

Lab File: VU060320.D

Acq: 06 Aug 2024 14:07

Tgt Ion: 75 Resp: 15227

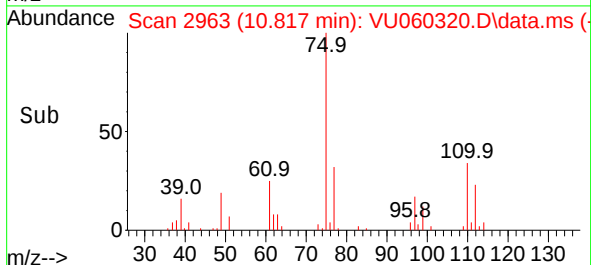
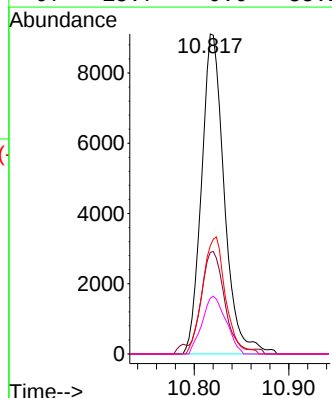
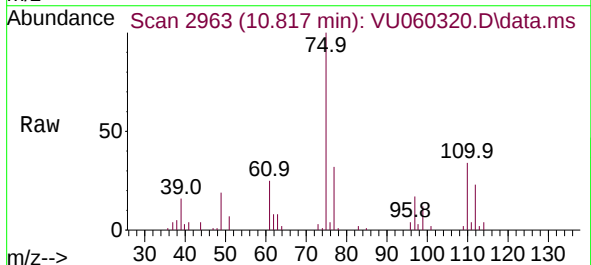
Ion Ratio Lower Upper

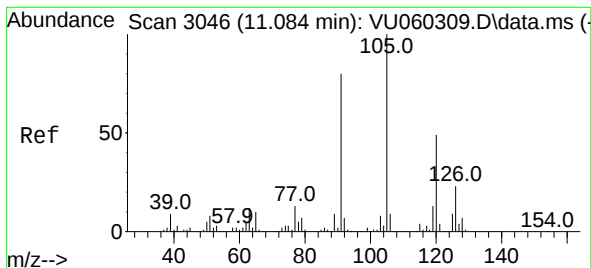
75 100

77 34.8 0.0 102.2

110 36.9 0.0 67.4

97 18.7 0.0 38.2





#75

1,3,5-Trimethylbenzene

Concen: 0.462 ug/l

RT: 11.090 min Scan# 3046

Delta R.T. 0.006 min

Lab File: VU060320.D

Acq: 06 Aug 2024 14:07

Instrument :

MSVOA_U

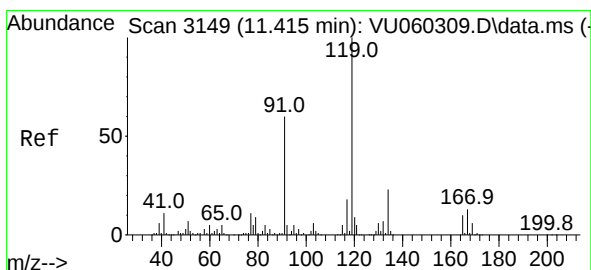
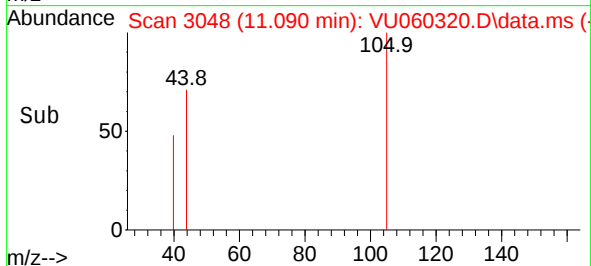
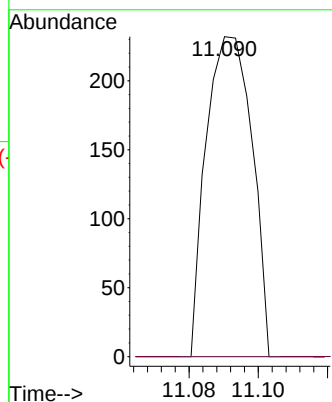
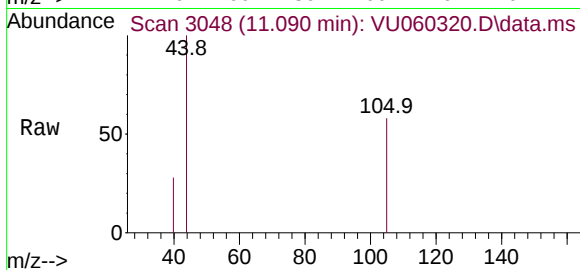
ClientSampleId :

Tgt Ion:105 Resp: 213

Ion Ratio Lower Upper

105 100

120 0.0 38.6 57.8#



#77

tert-Butylbenzene

Concen: 0.446 ug/l

RT: 11.431 min Scan# 3154

Delta R.T. 0.016 min

Lab File: VU060320.D

Acq: 06 Aug 2024 14:07

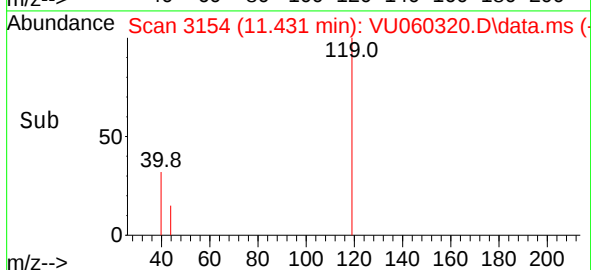
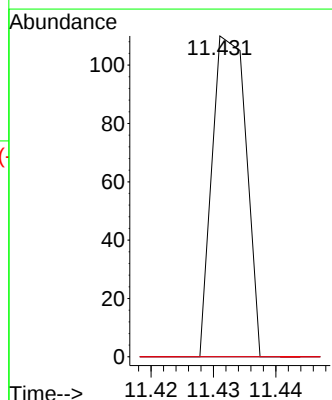
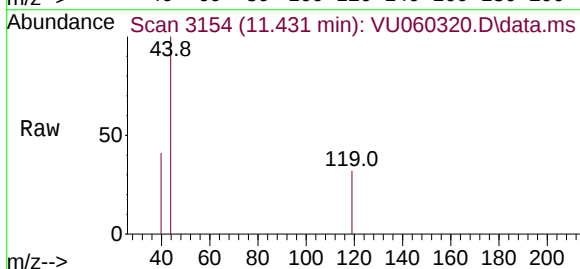
Tgt Ion:119 Resp: 41

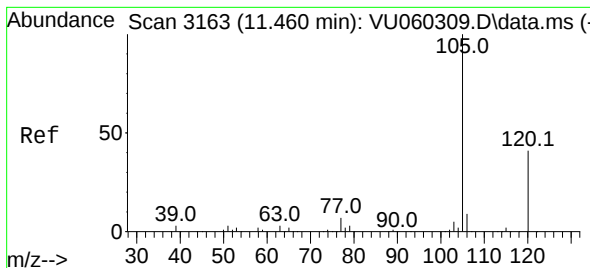
Ion Ratio Lower Upper

119 100

91 0.0 29.0 87.1#

134 0.0 17.8 26.8#





#78

1,2,4-Trimethylbenzene

Concen: 0.504 ug/l

RT: 11.476 min Scan# 3163

Delta R.T. 0.016 min

Lab File: VU060320.D

Acq: 06 Aug 2024 14:07

Instrument :

MSVOA_U

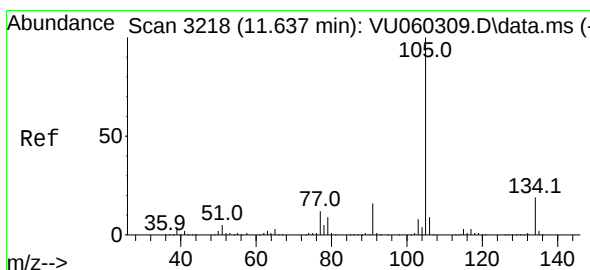
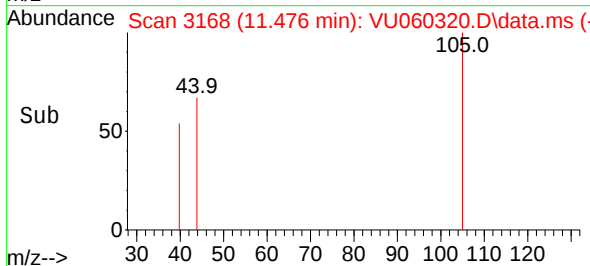
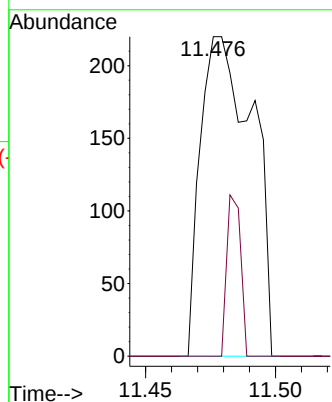
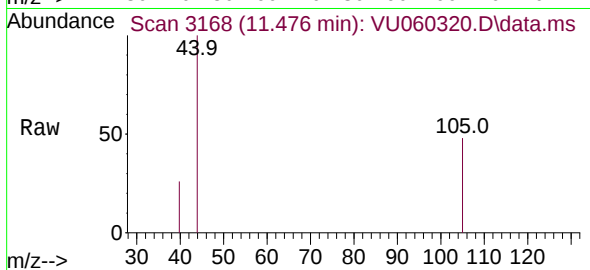
ClientSampleId :

Tgt Ion:105 Resp: 306

Ion Ratio Lower Upper

105 100

120 13.4 22.6 67.7#



#79

sec-Butylbenzene

Concen: 0.460 ug/l

RT: 11.646 min Scan# 3221

Delta R.T. 0.009 min

Lab File: VU060320.D

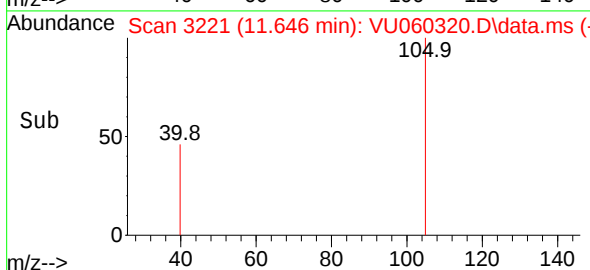
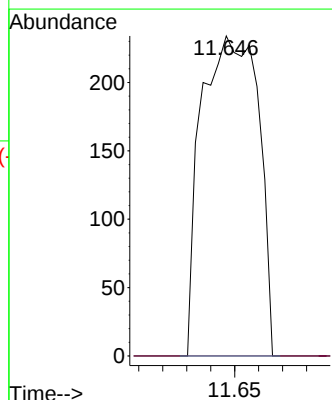
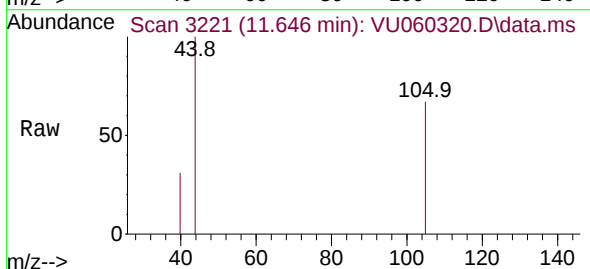
Acq: 06 Aug 2024 14:07

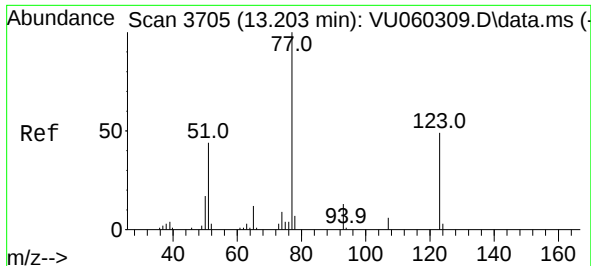
Tgt Ion:105 Resp: 385

Ion Ratio Lower Upper

105 100

134 0.0 15.5 23.3#





#80

Nitrobenzene

Concen: 0.523 ug/l

RT: 12.994 min Scan# 3

Delta R.T. -0.209 min

Lab File: VU060320.D

Acq: 06 Aug 2024 14:07

Instrument :

MSVOA_U

ClientSampleId :

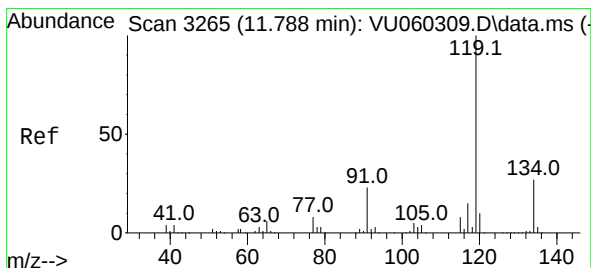
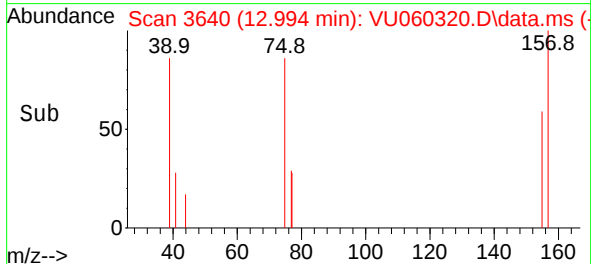
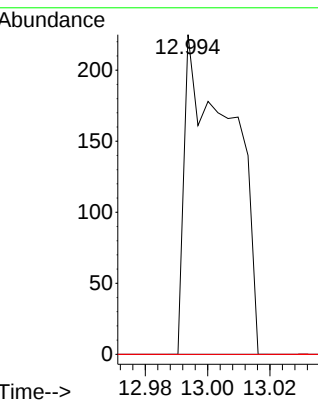
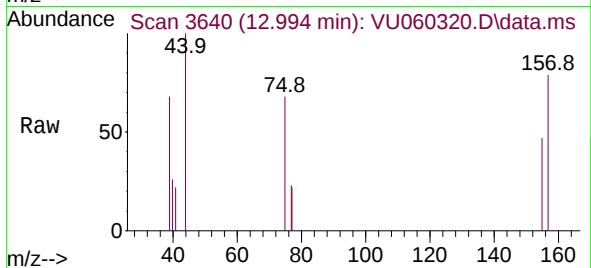
Tgt Ion: 77 Resp: 233

Ion Ratio Lower Upper

77 100

123 0.0 19.6 69.6#

65 0.0 9.0 11.4#



#81

p-Isopropyltoluene

Concen: 0.527 ug/l

RT: 11.801 min Scan# 3269

Delta R.T. 0.013 min

Lab File: VU060320.D

Acq: 06 Aug 2024 14:07

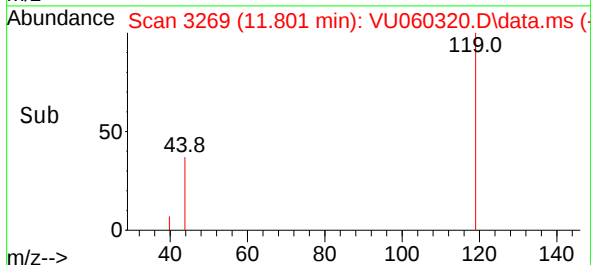
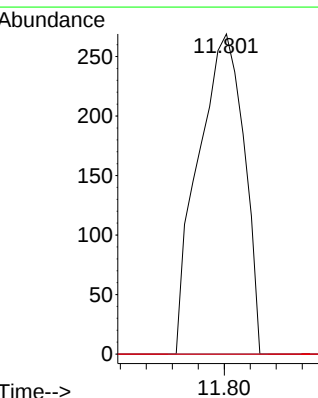
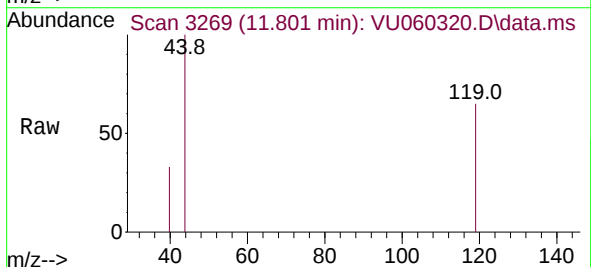
Tgt Ion: 119 Resp: 328

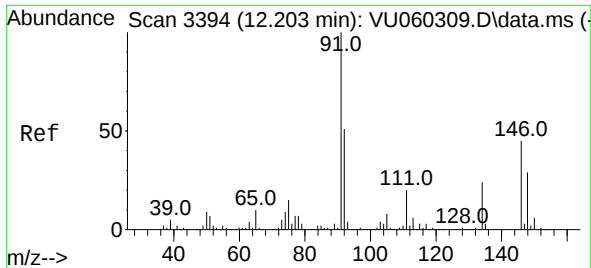
Ion Ratio Lower Upper

119 100

134 0.0 21.2 31.8#

91 0.0 18.9 28.3#

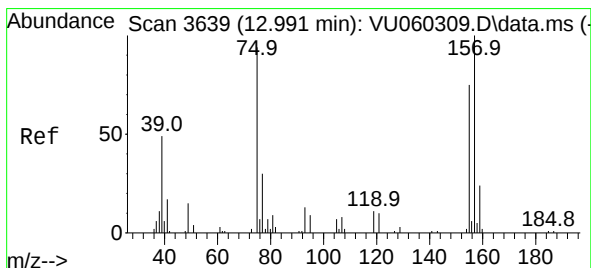
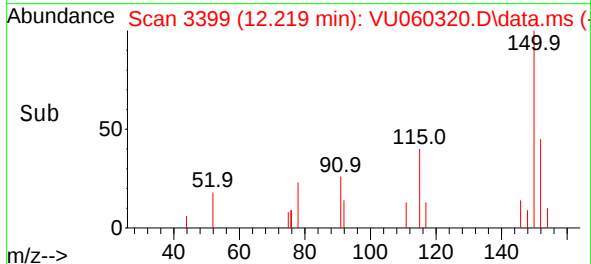
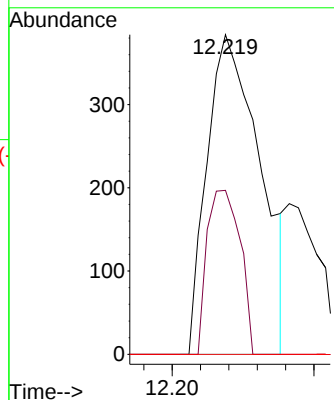
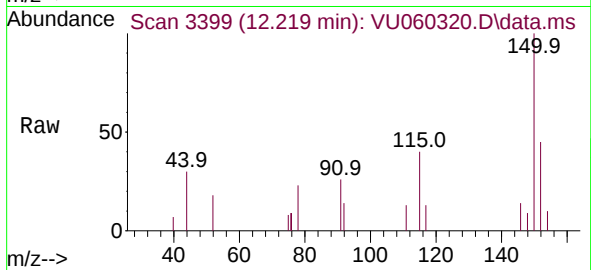




#84
n-Butylbenzene
Concen: 0.522 ug/l
RT: 12.219 min Scan# 3394
Delta R.T. 0.016 min
Lab File: VU060320.D
Acq: 06 Aug 2024 14:07

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 91	Resp: 500
Ion Ratio	Lower Upper
91	100
92	32.0 41.0 61.6#
134	0.0 19.4 29.2#



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.440 ug/l
RT: 13.000 min Scan# 3642
Delta R.T. 0.009 min
Lab File: VU060320.D
Acq: 06 Aug 2024 14:07

Tgt Ion: 75	Resp: 647
Ion Ratio	Lower Upper
75	100
155	84.1 66.1 99.1
157	117.8 85.0 127.4

