

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090324\
 Data File : VU060584.D
 Acq On : 03 Sep 2024 14:12
 Operator : MD/SY
 Sample : VU0903WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 04 05:42:42 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)

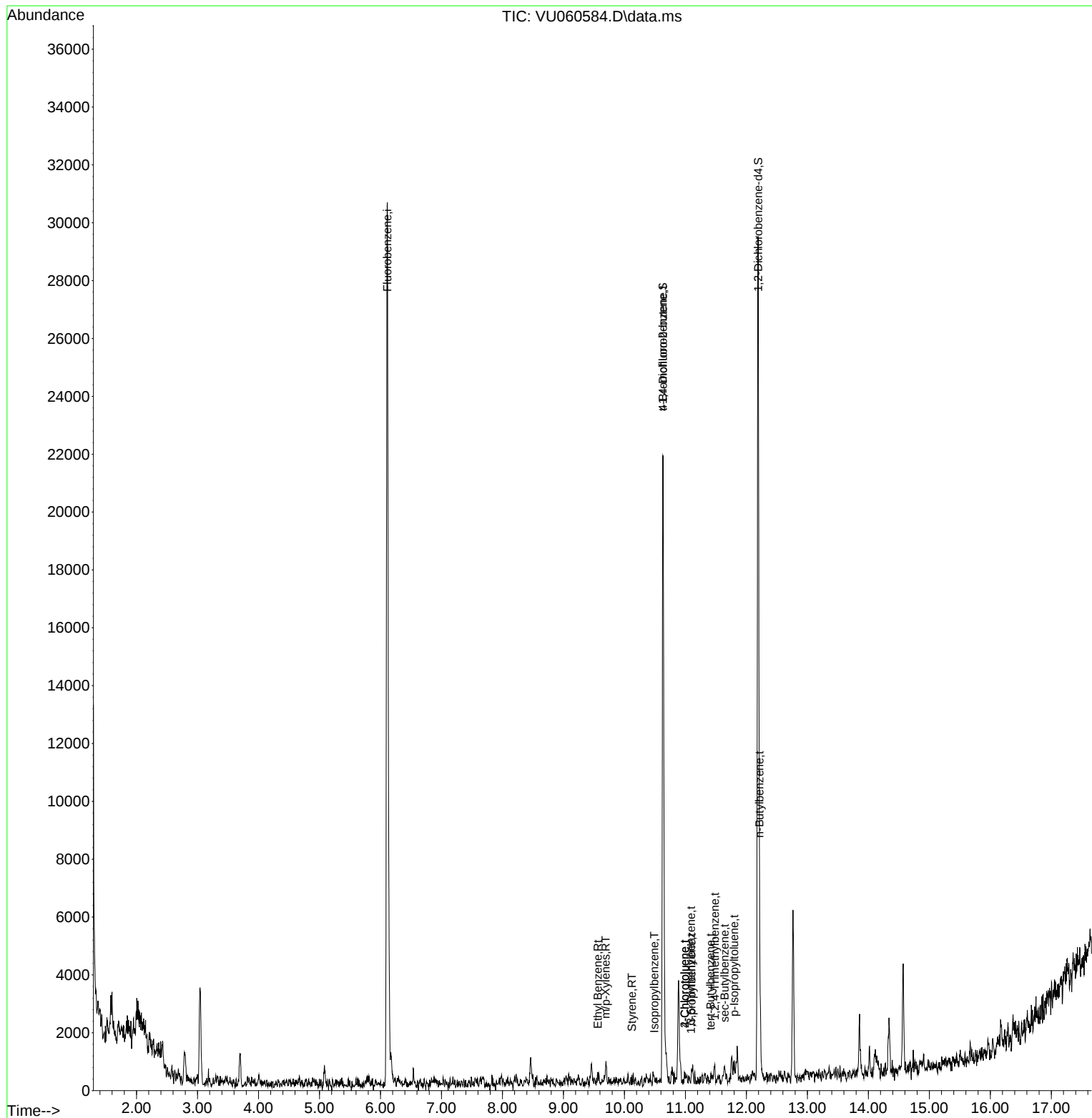
Internal Standards						
1) Fluorobenzene	6.113	96	30307	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	8990	0.871	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	8703	0.776	ug/l	0.00
Spiked Amount 1.000			Recovery	=	78.000%	
Target Compounds						
						Qvalue
46) t-1,4-Dichloro-2-butene	10.631	75	4219	1.564	ug/l #	25
63) Ethyl Benzene	9.563	91	155	0.502	ug/l #	44
64) m/p-Xylenes	9.695	106	103	0.904	ug/l	84
66) Styrene	10.123	104	112	0.475	ug/l #	25
69) Isopropylbenzene	10.489	105	247	0.480	ug/l #	49
73) n-propylbenzene	11.100	120	44	0.492	ug/l #	1
74) 2-Chlorotoluene	10.991	126	115	0.326	ug/l	1
75) 1,3,5-Trimethylbenzene	11.094	105	106	0.460	ug/l	90
76) 4-Chlorotoluene	10.991	126	115	0.347	ug/l	1
77) tert-Butylbenzene	11.415	119	102	0.448	ug/l #	4
78) 1,2,4-Trimethylbenzene	11.483	105	375	0.506	ug/l	87
79) sec-Butylbenzene	11.643	105	571	0.463	ug/l #	57
81) p-Isopropyltoluene	11.801	119	435	0.530	ug/l #	50
84) n-Butylbenzene	12.216	91	845	0.531	ug/l #	88

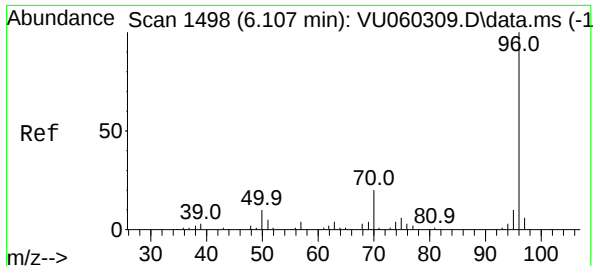
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
ClientSampleId :

Quant Time: Sep 04 05:42:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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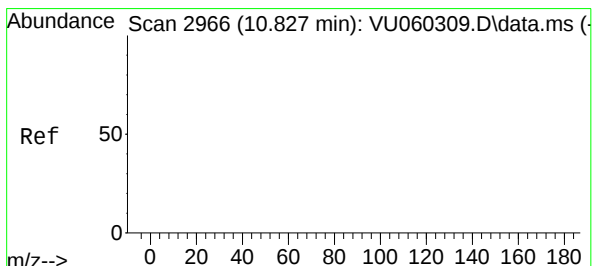
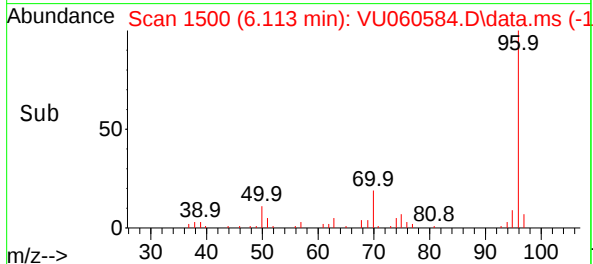
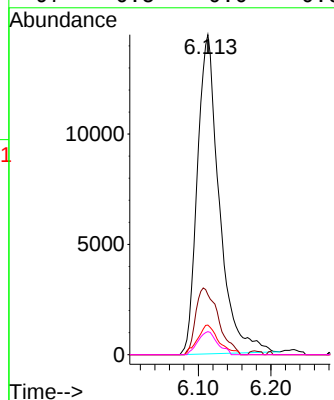
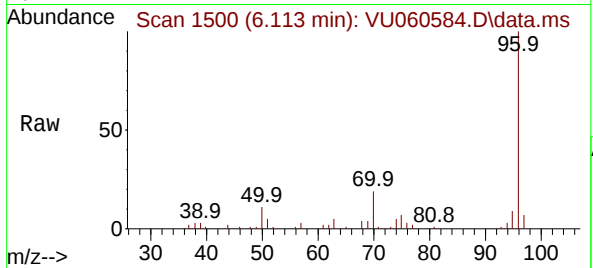




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1498
Delta R.T. 0.006 min
Lab File: VU060584.D
Acq: 03 Sep 2024 14:12

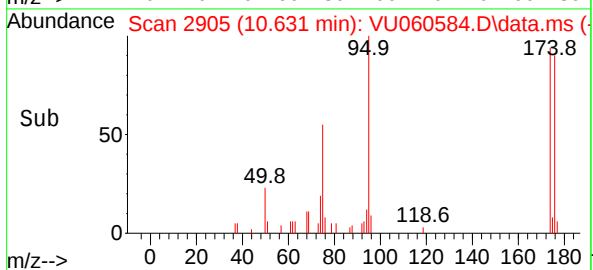
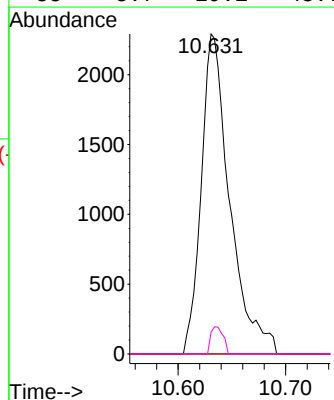
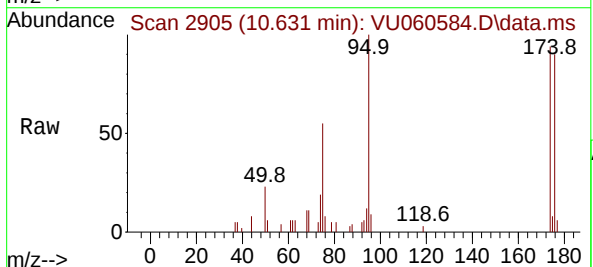
Instrument :
MSVOA_U
ClientSampleId :

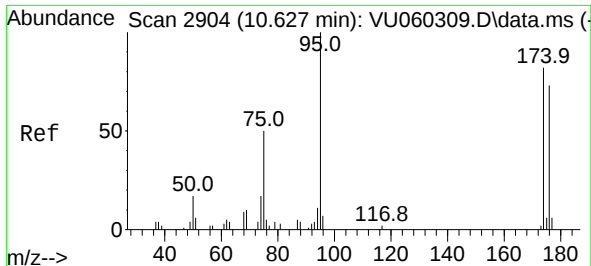
Tgt Ion: 96 Resp: 30307
Ion Ratio Lower Upper
96 100
70 21.4 17.2 25.8
95 8.9 7.9 11.9
97 6.5 0.0 0.0#



#46
t-1,4-Dichloro-2-butene
Concen: 1.564 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. -0.196 min
Lab File: VU060584.D
Acq: 03 Sep 2024 14:12

Tgt Ion: 75 Resp: 4219
Ion Ratio Lower Upper
75 100
53 0.0 57.2 85.8#
89 0.0 40.4 60.6#
88 3.7 29.1 43.7#





#57

4-Bromofluorobenzene

Concen: 0.871 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU060584.D

Acq: 03 Sep 2024 14:12

Instrument :

MSVOA_U

ClientSampleId :

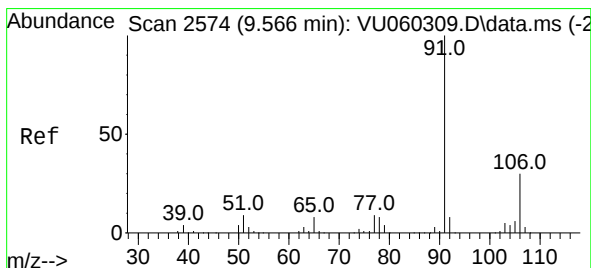
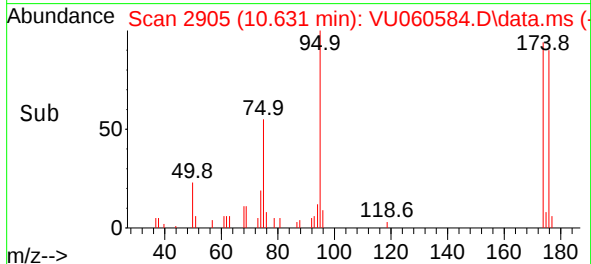
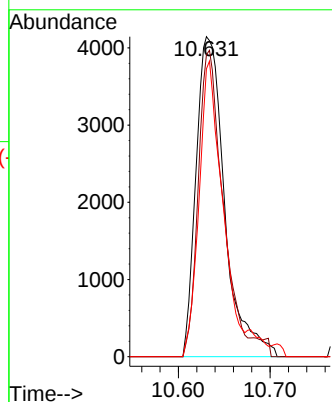
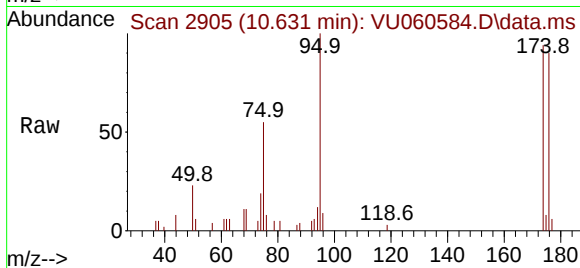
Tgt Ion: 95 Resp: 8990

Ion Ratio Lower Upper

95 100

174 85.3 65.6 98.4

176 75.4 60.4 90.6



#63

Ethyl Benzene

Concen: 0.502 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. -0.003 min

Lab File: VU060584.D

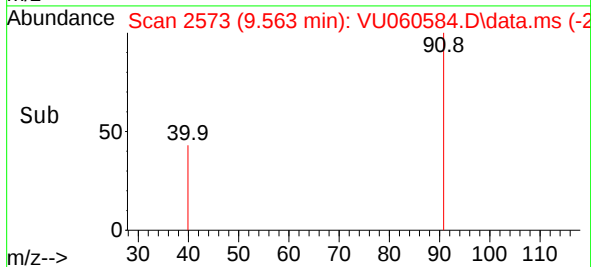
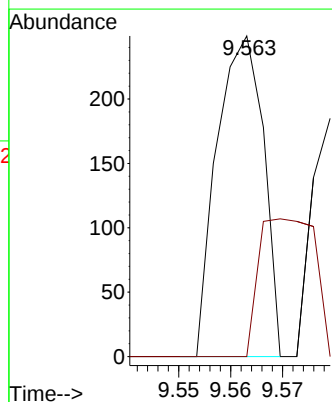
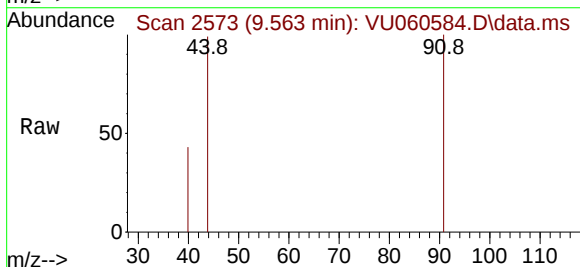
Acq: 03 Sep 2024 14:12

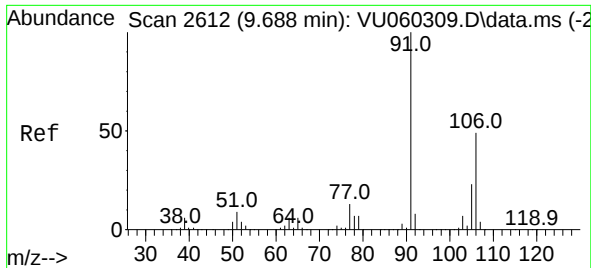
Tgt Ion: 91 Resp: 155

Ion Ratio Lower Upper

91 100

106 0.0 24.4 36.6#

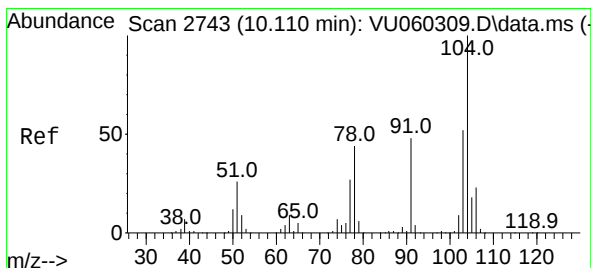
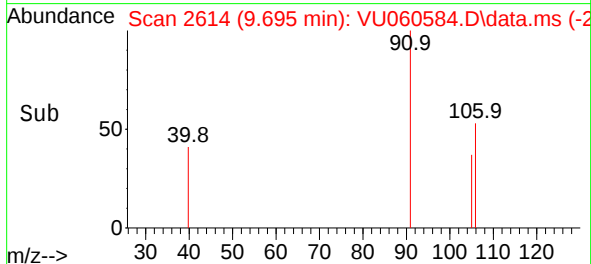
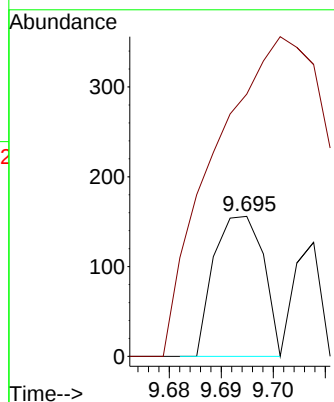
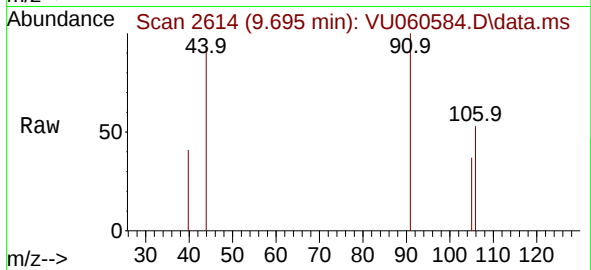




#64
m/p-Xylenes
Concen: 0.904 ug/l
RT: 9.695 min Scan# 2614
Delta R.T. 0.007 min
Lab File: VU060584.D
Acq: 03 Sep 2024 14:12

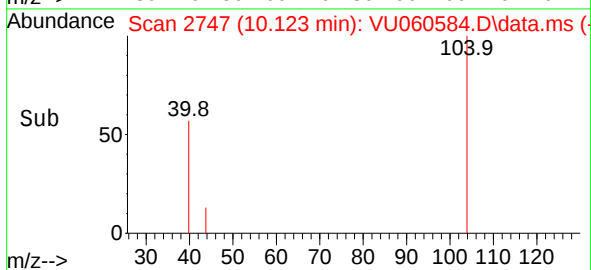
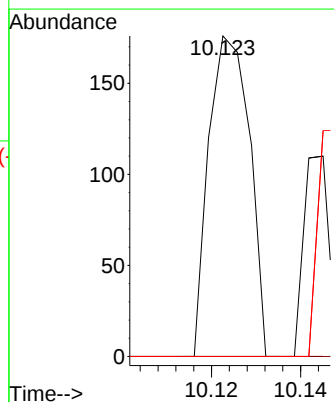
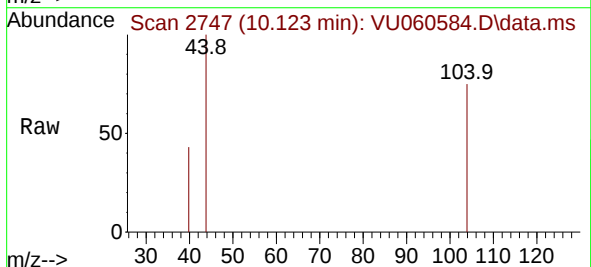
Instrument :
MSVOA_U
ClientSampleId :

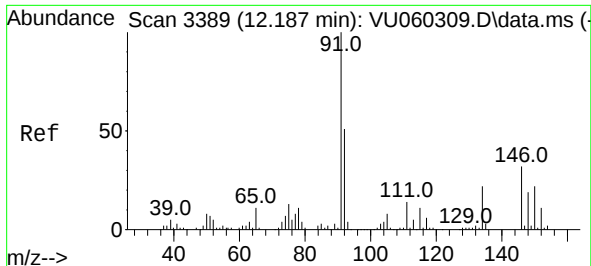
Tgt Ion:106 Resp: 103
Ion Ratio Lower Upper
106 100
91 181.6 165.0 247.4



#66
Styrene
Concen: 0.475 ug/l
RT: 10.123 min Scan# 2747
Delta R.T. 0.013 min
Lab File: VU060584.D
Acq: 03 Sep 2024 14:12

Tgt Ion:104 Resp: 112
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 45.0 67.6#





#68

1,2-Dichlorobenzene-d4

Concen: 0.776 ug/l

RT: 12.193 min Scan# 3389

Delta R.T. 0.006 min

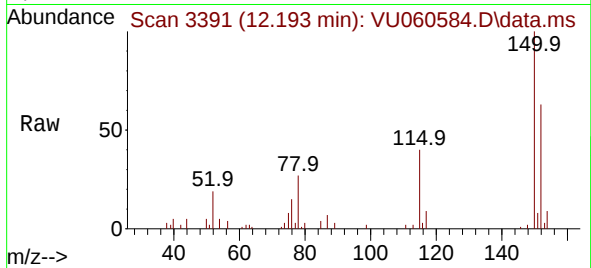
Lab File: VU060584.D

Acq: 03 Sep 2024 14:12

Instrument :

MSVOA_U

ClientSampleId :



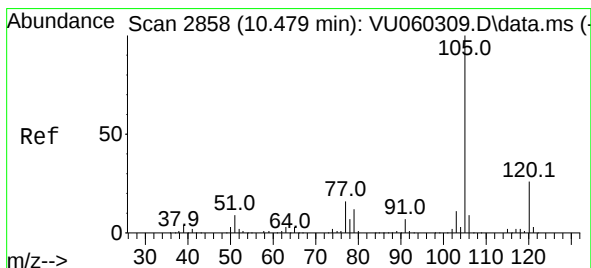
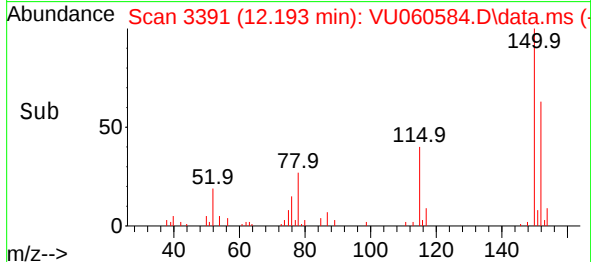
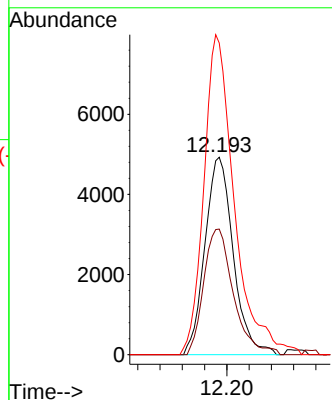
Tgt Ion:152 Resp: 8703

Ion Ratio Lower Upper

152 100

115 66.6 0.0 325.2

150 174.1 0.0 684.2



#69

Isopropylbenzene

Concen: 0.480 ug/l

RT: 10.489 min Scan# 2861

Delta R.T. 0.010 min

Lab File: VU060584.D

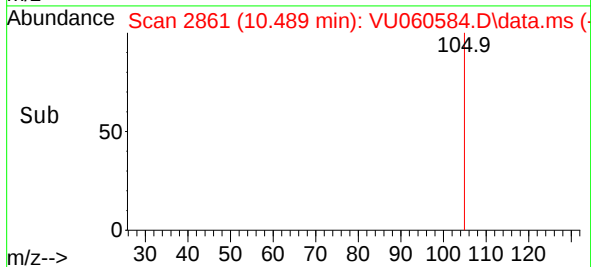
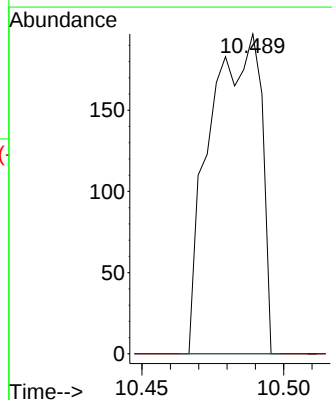
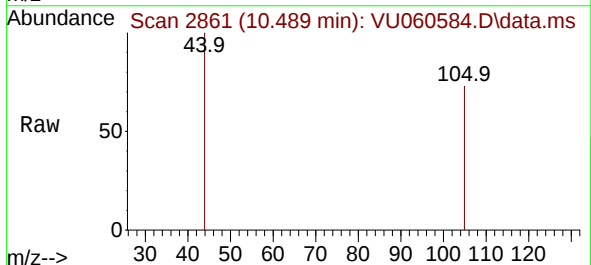
Acq: 03 Sep 2024 14:12

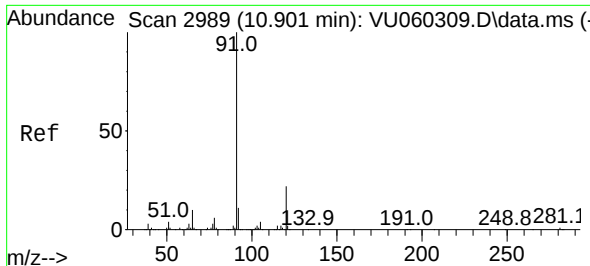
Tgt Ion:105 Resp: 247

Ion Ratio Lower Upper

105 100

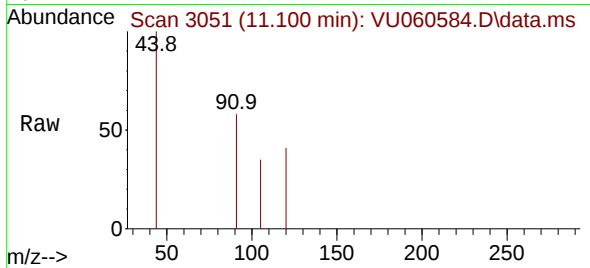
120 0.0 13.0 39.0#



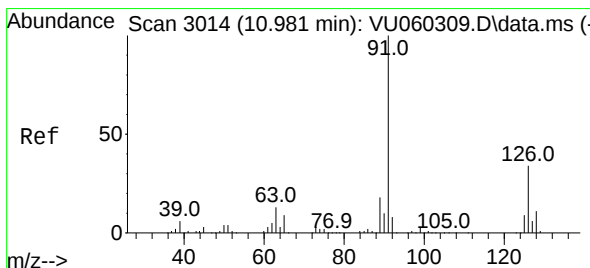
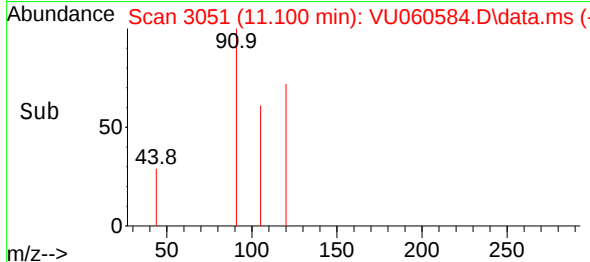
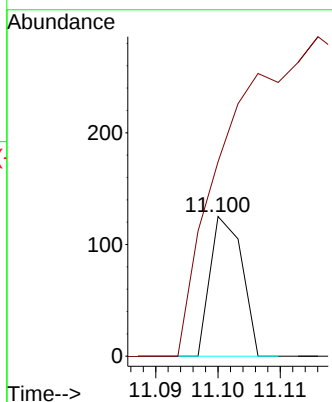


#73
n-propylbenzene
Concen: 0.492 ug/l
RT: 11.100 min Scan# 3017
Delta R.T. 0.199 min
Lab File: VU060584.D
Acq: 03 Sep 2024 14:12

Instrument :
MSVOA_U
ClientSampleId :

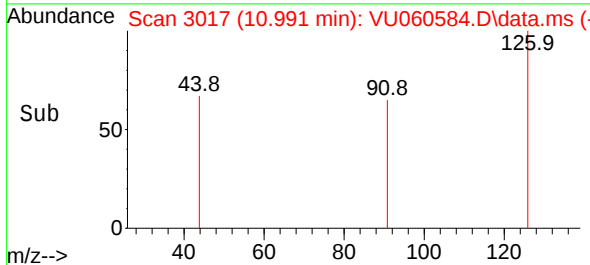
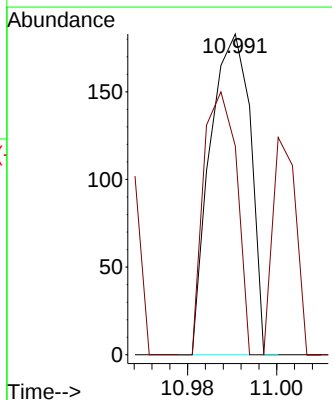
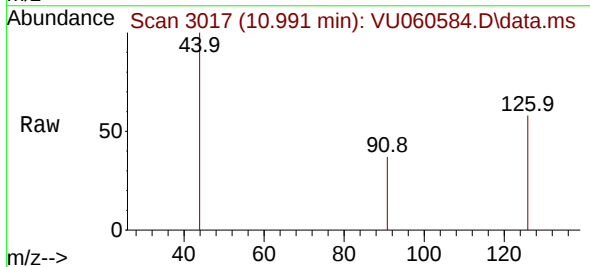


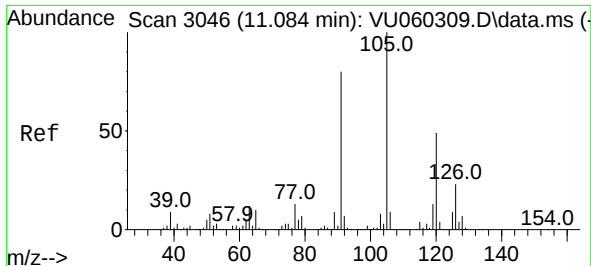
Tgt Ion:120 Resp: 44
Ion Ratio Lower Upper
120 100
91 1218.2 362.2 543.2#



#74
2-Chlorotoluene
Concen: 0.326 ug/l
RT: 10.991 min Scan# 3017
Delta R.T. 0.010 min
Lab File: VU060584.D
Acq: 03 Sep 2024 14:12

Tgt Ion:126 Resp: 115
Ion Ratio Lower Upper
126 100
91 67.0 0.0 585.6





#75

1,3,5-Trimethylbenzene

Concen: 0.460 ug/l

RT: 11.094 min Scan# 3049

Delta R.T. 0.010 min

Lab File: VU060584.D

Acq: 03 Sep 2024 14:12

Instrument :

MSVOA_U

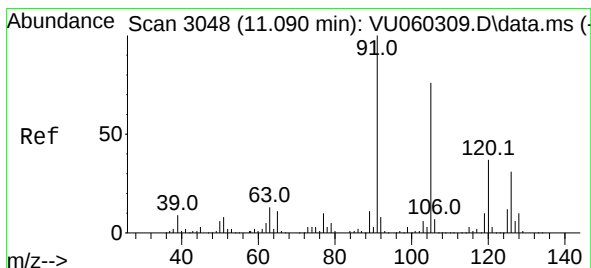
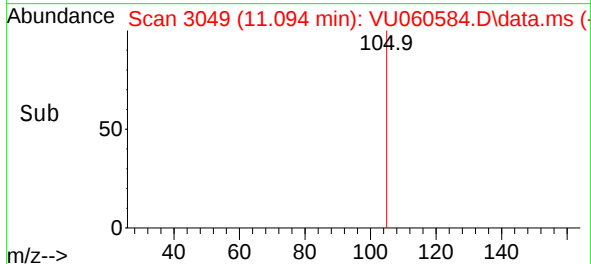
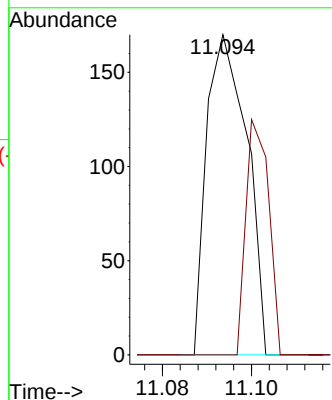
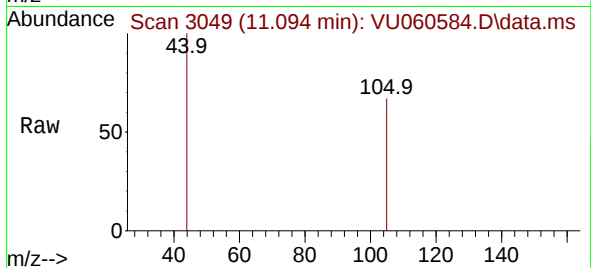
ClientSampleId :

Tgt Ion:105 Resp: 106

Ion Ratio Lower Upper

105 100

120 41.5 38.6 57.8



#76

4-Chlorotoluene

Concen: 0.347 ug/l

RT: 10.991 min Scan# 3017

Delta R.T. -0.099 min

Lab File: VU060584.D

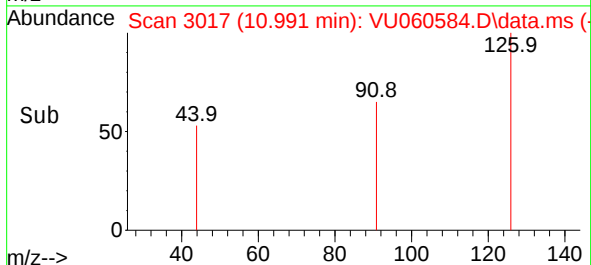
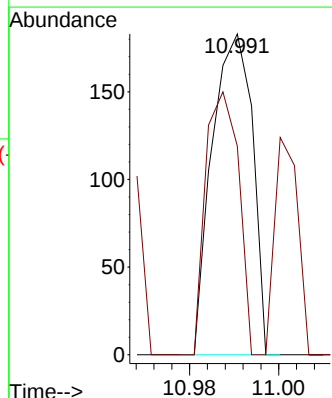
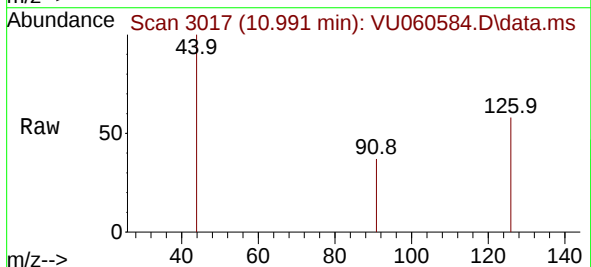
Acq: 03 Sep 2024 14:12

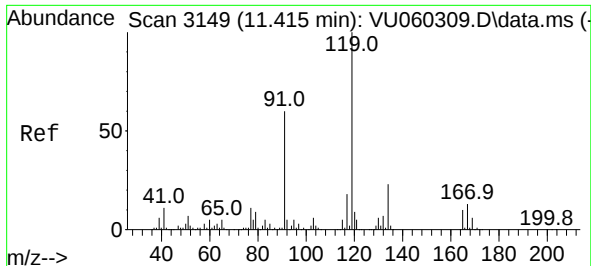
Tgt Ion:126 Resp: 115

Ion Ratio Lower Upper

126 100

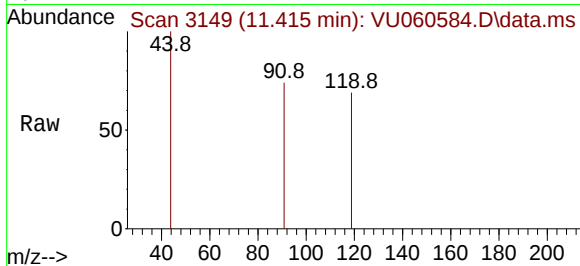
91 67.0 0.0 669.4



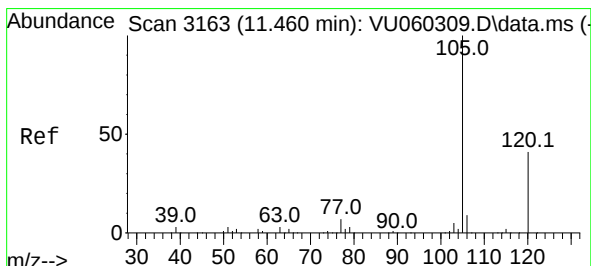
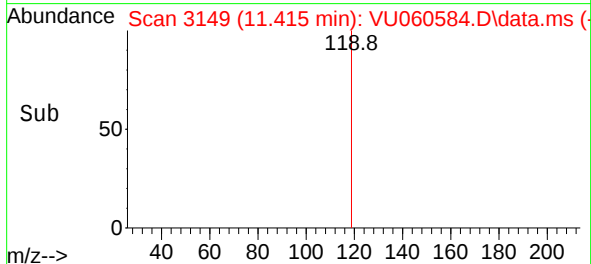
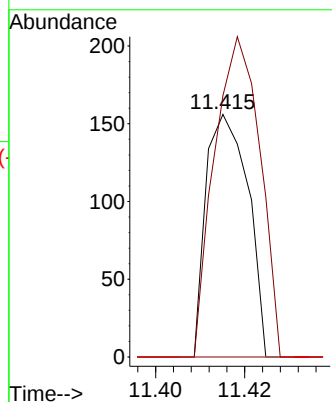


#77
 tert-Butylbenzene
 Concen: 0.448 ug/l
 RT: 11.415 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU060584.D
 Acq: 03 Sep 2024 14:12

Instrument :
 MSVOA_U
 ClientSampleId :

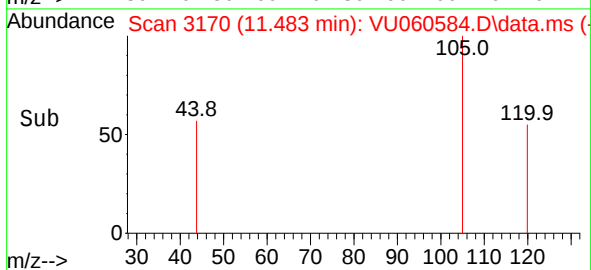
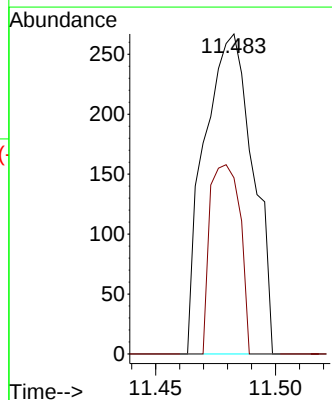
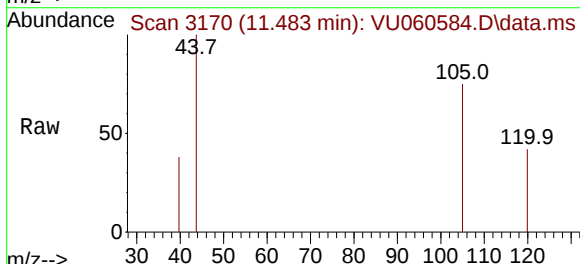


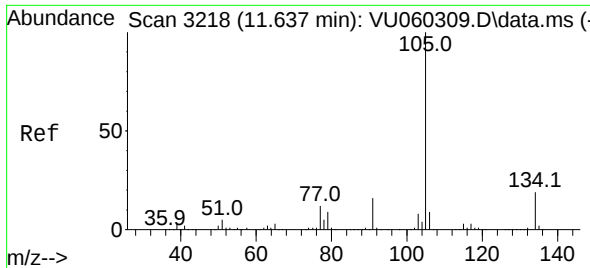
Tgt Ion:	119	Resp:	102
Ion Ratio	Lower	Upper	
119	100		
91	143.1	29.0	87.1#
134	0.0	17.8	26.8#



#78
 1,2,4-Trimethylbenzene
 Concen: 0.506 ug/l
 RT: 11.483 min Scan# 3170
 Delta R.T. 0.023 min
 Lab File: VU060584.D
 Acq: 03 Sep 2024 14:12

Tgt Ion:	105	Resp:	375
Ion Ratio	Lower	Upper	
105	100		
120	36.5	22.6	67.7

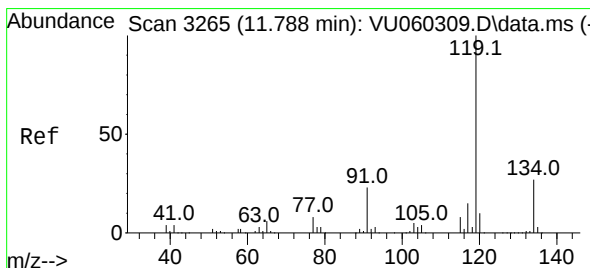
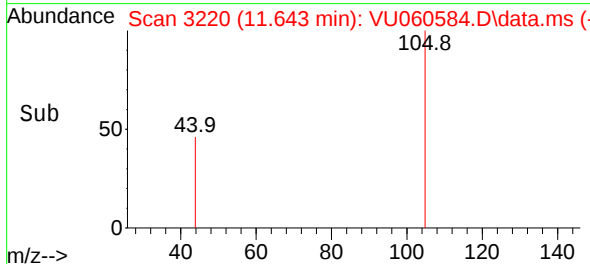
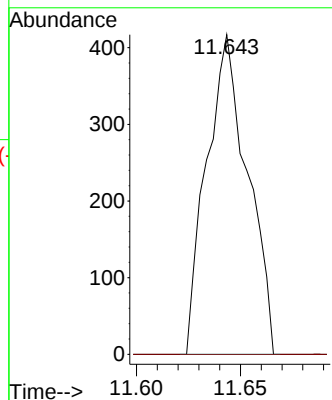
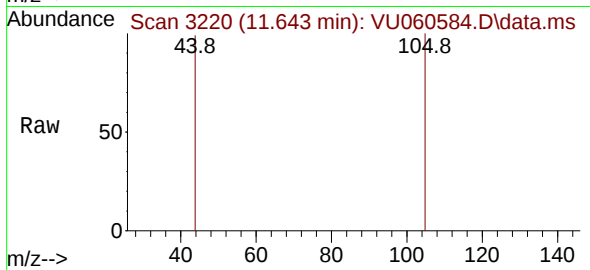




#79
sec-Butylbenzene
Concen: 0.463 ug/l
RT: 11.643 min Scan# 3220
Delta R.T. 0.006 min
Lab File: VU060584.D
Acq: 03 Sep 2024 14:12

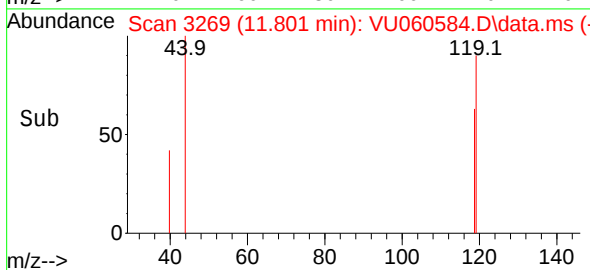
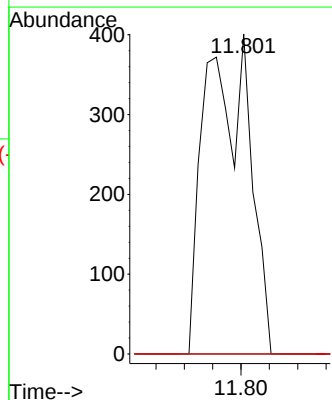
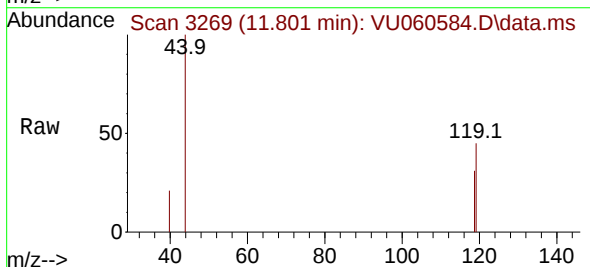
Instrument :
MSVOA_U
ClientSampleId :

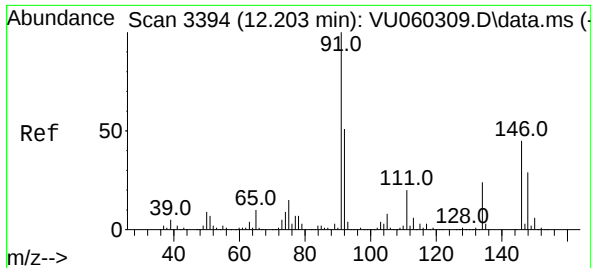
Tgt Ion:105 Resp: 571
Ion Ratio Lower Upper
105 100
134 0.0 15.5 23.3#



#81
p-Isopropyltoluene
Concen: 0.530 ug/l
RT: 11.801 min Scan# 3269
Delta R.T. 0.013 min
Lab File: VU060584.D
Acq: 03 Sep 2024 14:12

Tgt Ion:119 Resp: 435
Ion Ratio Lower Upper
119 100
134 0.0 21.2 31.8#
91 0.0 18.9 28.3#





#84

n-Butylbenzene

Concen: 0.531 ug/l

RT: 12.216 min Scan# 3398

Delta R.T. 0.013 min

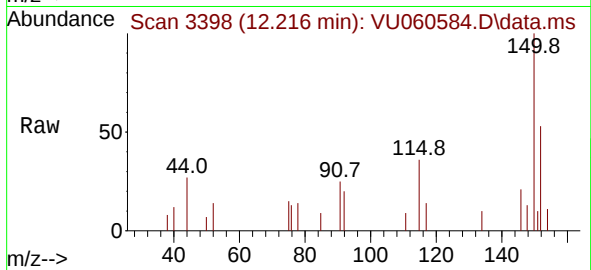
Lab File: VU060584.D

Acq: 03 Sep 2024 14:12

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 91 Resp: 845

Ion Ratio Lower Upper

91 100

92 55.7 41.0 61.6

134 12.0 19.4 29.2#

