

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080524\
 Data File : VU060316.D
 Acq On : 05 Aug 2024 18:57
 Operator : MD/SY
 Sample : P3204-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 06 06:11:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 05:58:50 2024
 Response via : Initial Calibration

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

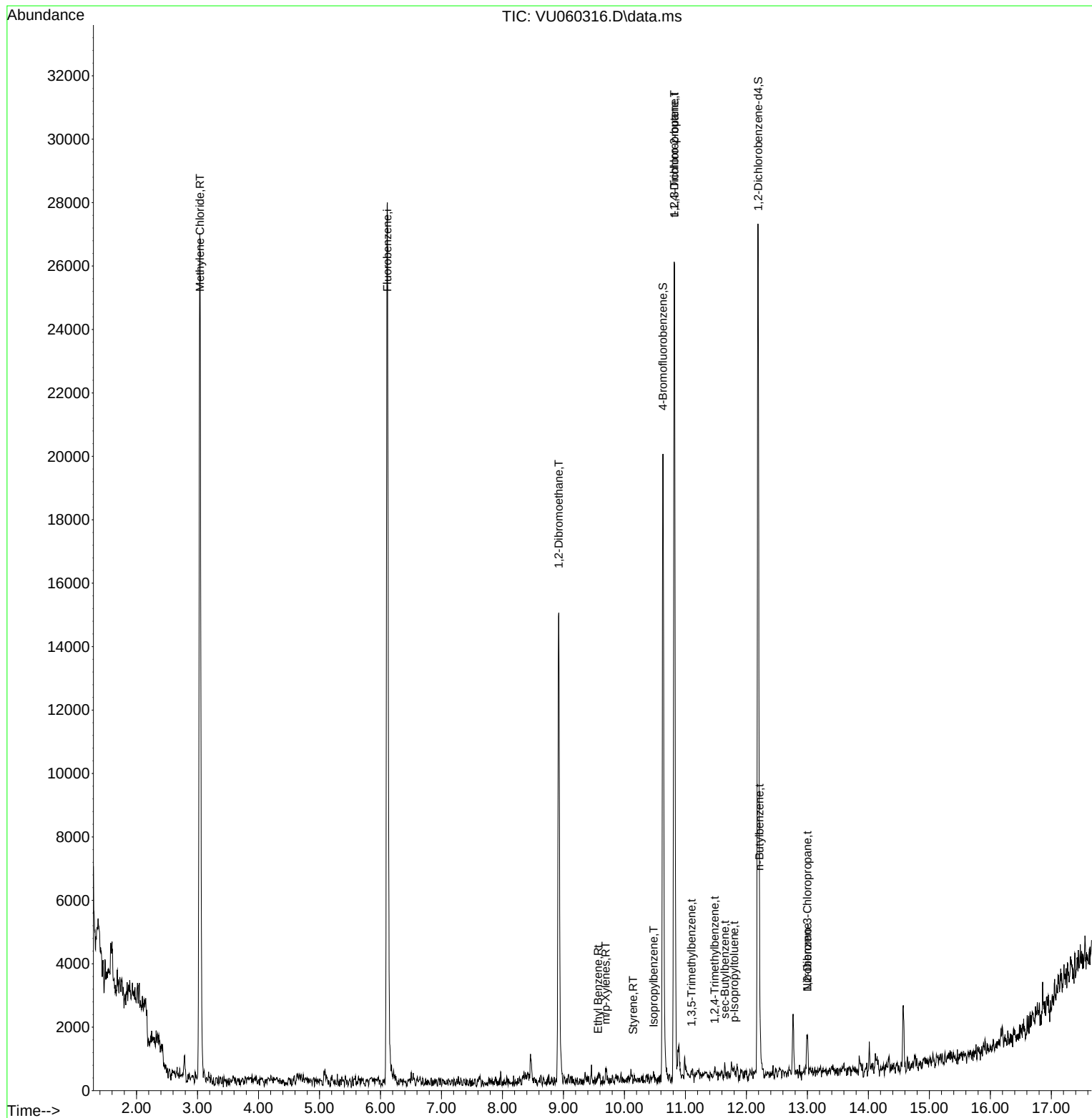
Internal Standards						
1) Fluorobenzene	6.113	96	28946	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	7643	0.775	ug/l	0.00
Spiked Amount 1.000			Recovery	=	77.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	8909	0.831	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
Target Compounds						
						Qvalue
15) Methylene Chloride	3.039	84	14634	1.351	ug/l	97
46) t-1,4-Dichloro-2-butene	10.817	75	12539	4.867	ug/l #	24
56) 1,2-Dibromoethane	8.923	107	10760	1.670	ug/l	97
63) Ethyl Benzene	9.569	91	220	0.339	ug/l #	44
64) m/p-Xylenes	9.692	106	63	0.902	ug/l #	1
66) Styrene	10.145	104	20	0.472	ug/l #	25
69) Isopropylbenzene	10.479	105	106	0.477	ug/l #	49
71) 1,2,3-Trichloropropane	10.817	75	12539	1.770	ug/l	87
75) 1,3,5-Trimethylbenzene	11.100	105	148	0.461	ug/l #	29
78) 1,2,4-Trimethylbenzene	11.479	105	193	0.501	ug/l #	31
79) sec-Butylbenzene	11.646	105	264	0.458	ug/l #	57
80) Nitrobenzene	13.000	77	130	0.310	ug/l #	39
81) p-Isopropyltoluene	11.801	119	282	0.527	ug/l #	50
84) n-Butylbenzene	12.216	91	211	0.465	ug/l #	66
86) 1,2-Dibromo-3-Chloropr...	13.000	75	531	0.383	ug/l #	74

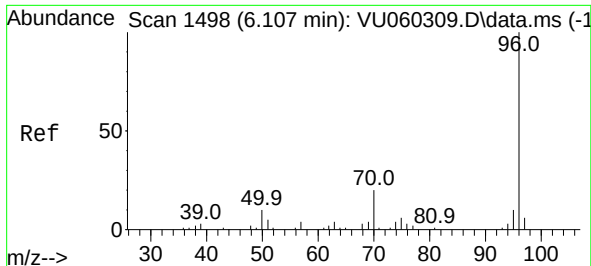
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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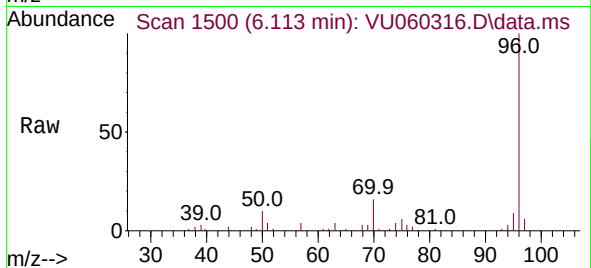
Quant Time: Aug 06 06:11:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 06 05:58:50 2024
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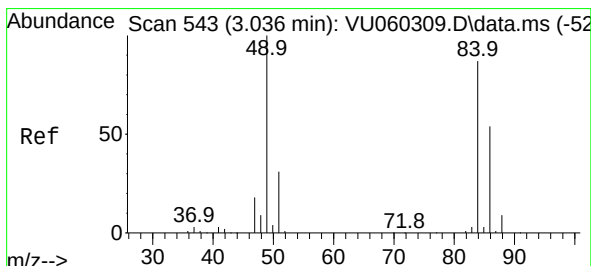
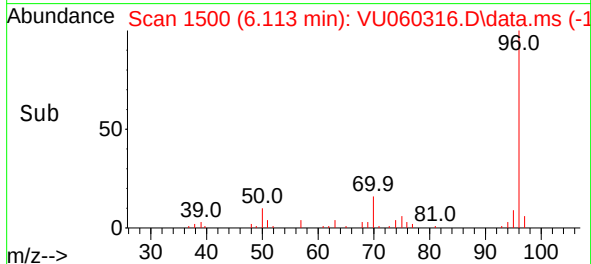
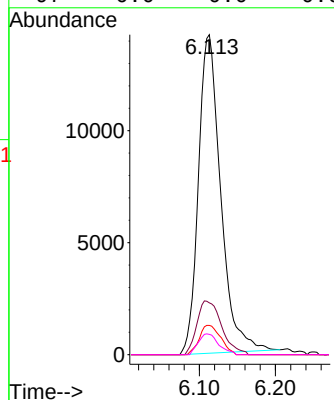
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1498
Delta R.T. 0.006 min
Lab File: VU060316.D
Acq: 05 Aug 2024 18:57

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 28946

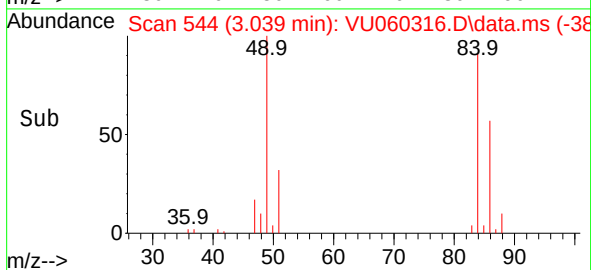
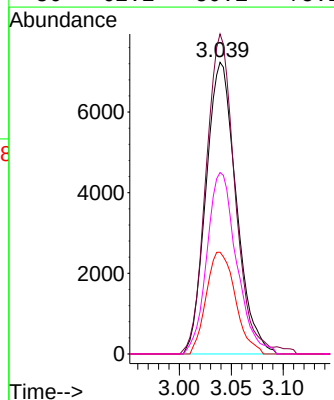
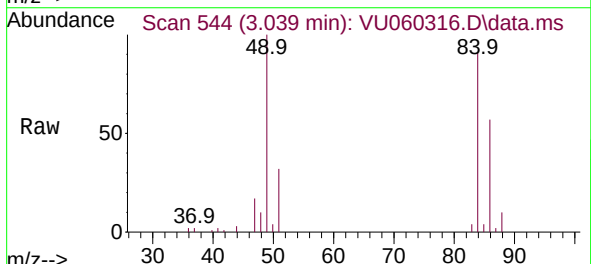
Ion	Ratio	Lower	Upper
96	100		
70	18.7	17.2	25.8
95	8.9	7.9	11.9
97	6.0	0.0	0.0

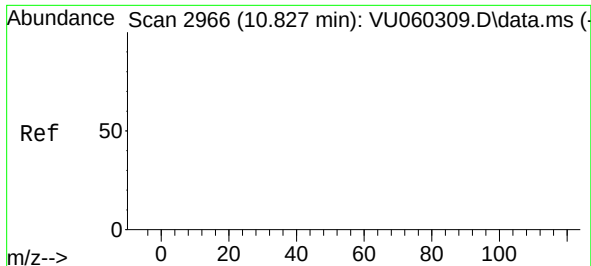


#15
Methylene Chloride
Concen: 1.351 ug/l
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU060316.D
Acq: 05 Aug 2024 18:57

Tgt Ion: 84 Resp: 14634

Ion	Ratio	Lower	Upper
84	100		
49	109.7	92.1	138.1
51	34.9	0.0	72.4
86	62.2	50.1	75.1





#46

t-1,4-Dichloro-2-butene

Concen: 4.867 ug/l

RT: 10.817 min Scan# 2963

Delta R.T. -0.010 min

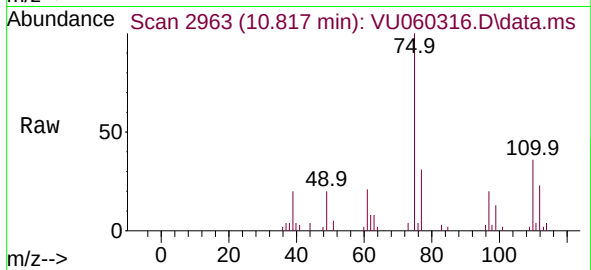
Lab File: VU060316.D

Acq: 05 Aug 2024 18:57

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 12539

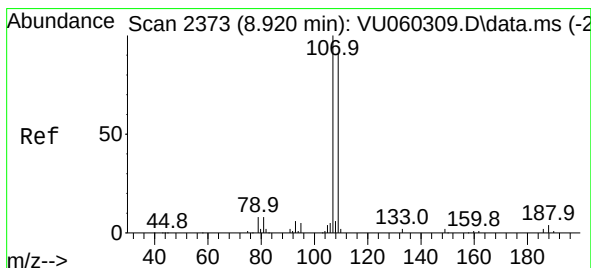
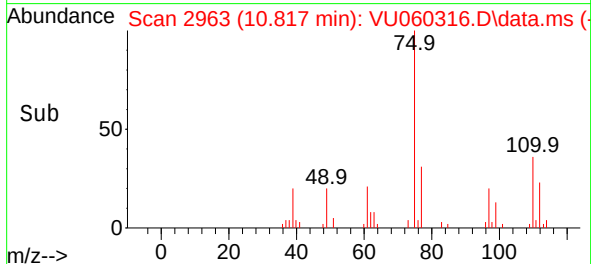
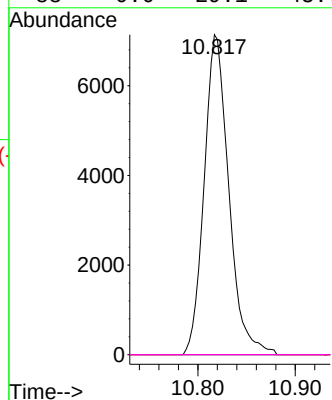
Ion Ratio Lower Upper

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: 1.670 ug/l

RT: 8.923 min Scan# 2374

Delta R.T. 0.003 min

Lab File: VU060316.D

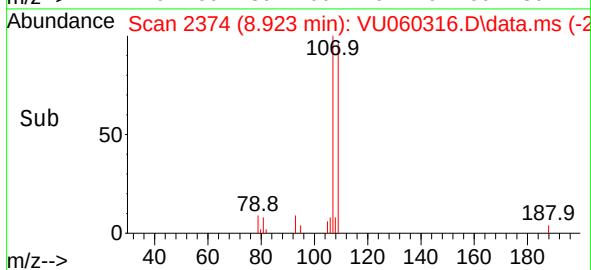
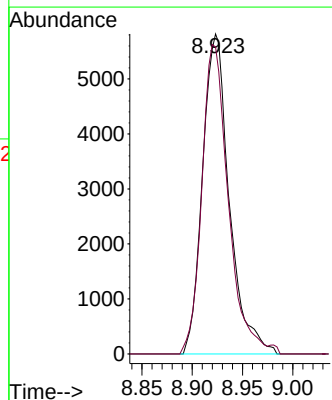
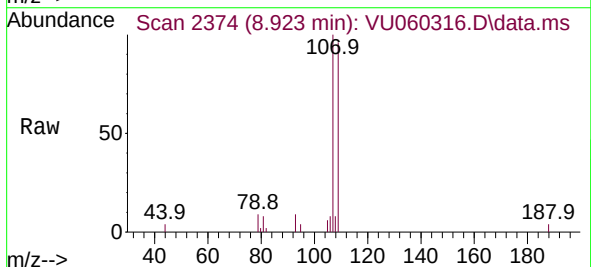
Acq: 05 Aug 2024 18:57

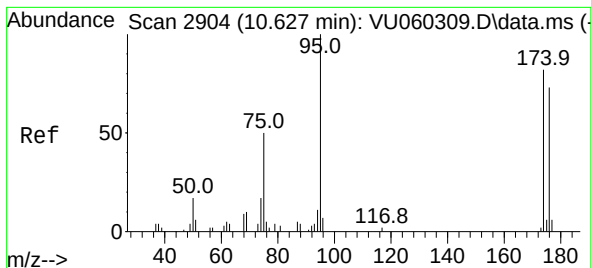
Tgt Ion:107 Resp: 10760

Ion Ratio Lower Upper

107 100

109 95.3 0.0 184.0





#57

4-Bromofluorobenzene

Concen: 0.775 ug/l

RT: 10.630 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU060316.D

Acq: 05 Aug 2024 18:57

Instrument :

MSVOA_U

ClientSampleId :

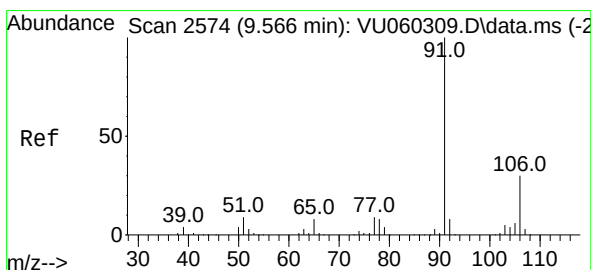
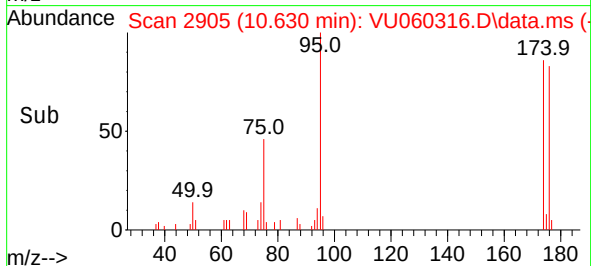
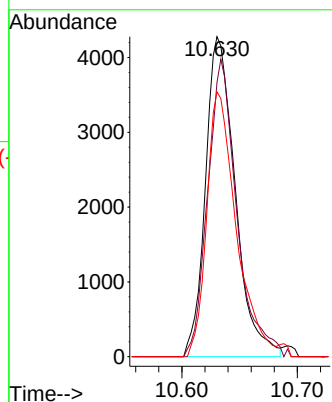
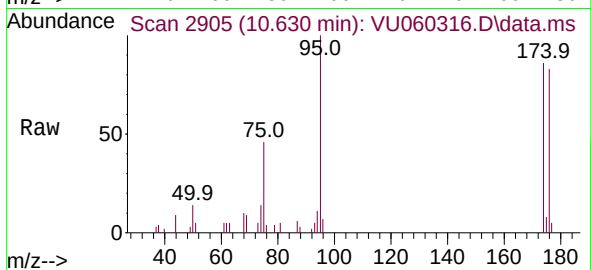
Tgt Ion: 95 Resp: 7643

Ion Ratio Lower Upper

95 100

174 91.3 65.6 98.4

176 82.3 60.4 90.6



#63

Ethyl Benzene

Concen: 0.339 ug/l

RT: 9.569 min Scan# 2575

Delta R.T. 0.003 min

Lab File: VU060316.D

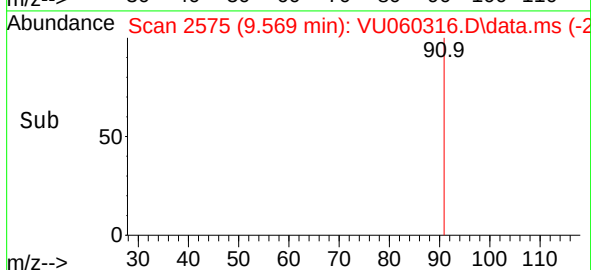
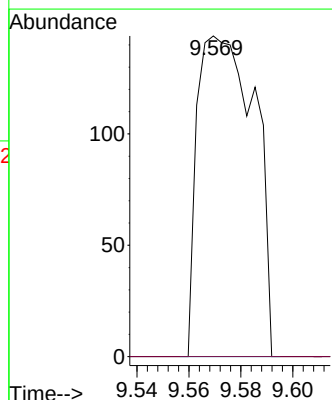
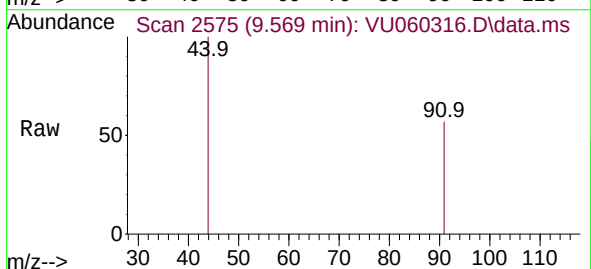
Acq: 05 Aug 2024 18:57

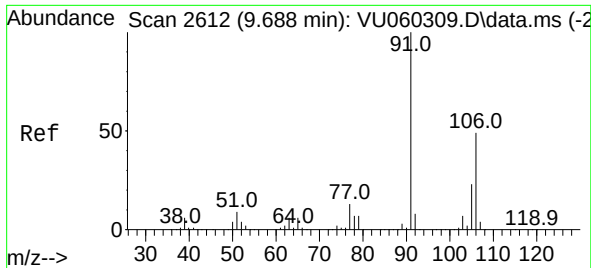
Tgt Ion: 91 Resp: 220

Ion Ratio Lower Upper

91 100

106 0.0 24.4 36.6#

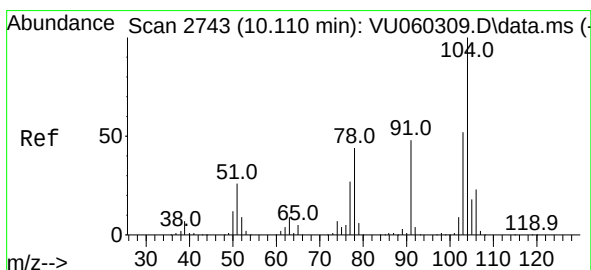
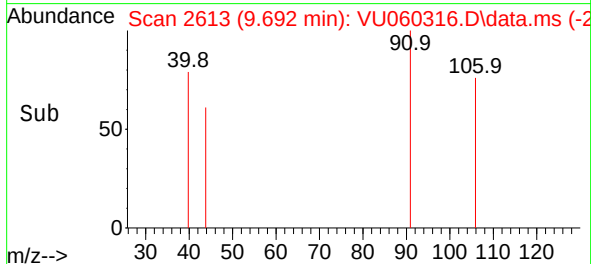
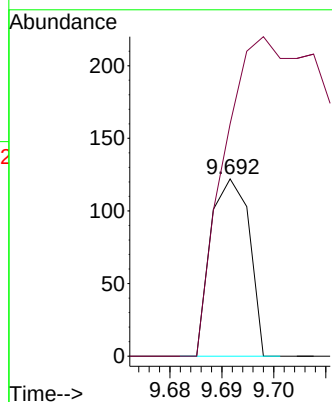
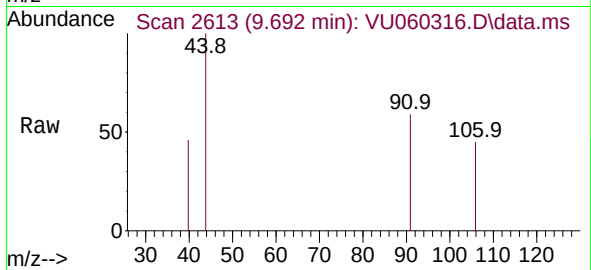




#64
m/p-Xylenes
Concen: 0.902 ug/l
RT: 9.692 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU060316.D
Acq: 05 Aug 2024 18:57

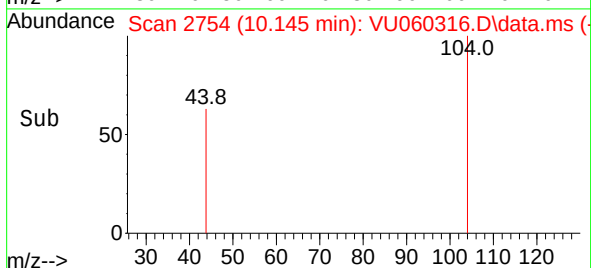
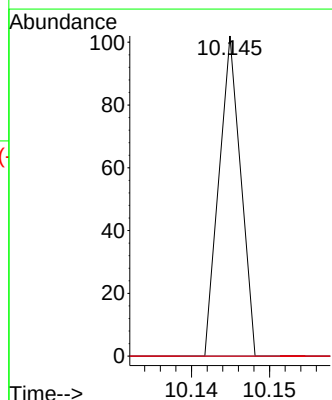
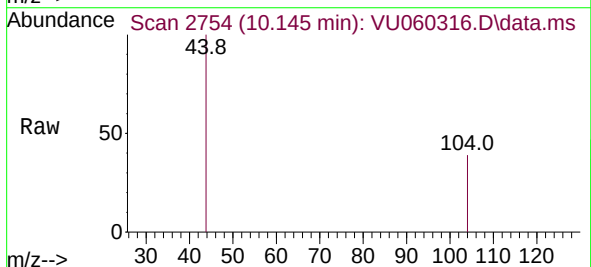
Instrument :
MSVOA_U
ClientSampleId :

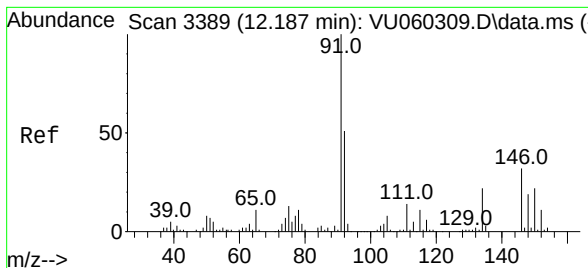
Tgt Ion:106 Resp: 63
Ion Ratio Lower Upper
106 100
91 487.3 165.0 247.4#



#66
Styrene
Concen: 0.472 ug/l
RT: 10.145 min Scan# 2754
Delta R.T. 0.035 min
Lab File: VU060316.D
Acq: 05 Aug 2024 18:57

Tgt Ion:104 Resp: 20
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: 0.831 ug/l

RT: 12.193 min Scan# 3389

Delta R.T. 0.006 min

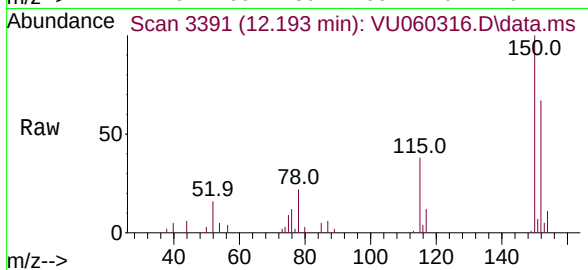
Lab File: VU060316.D

Acq: 05 Aug 2024 18:57

Instrument :

MSVOA_U

ClientSampleId :



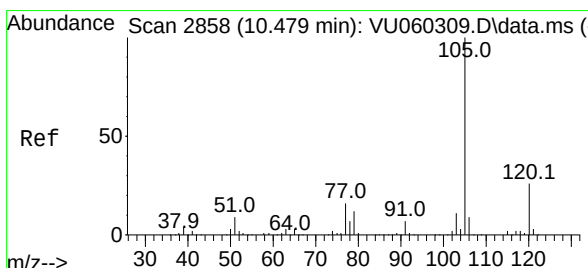
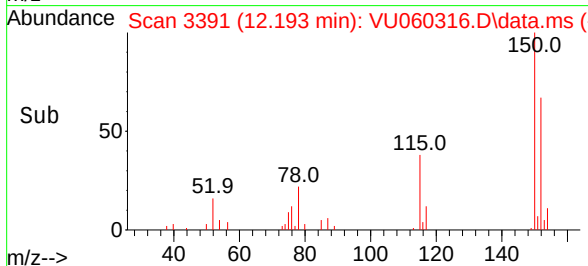
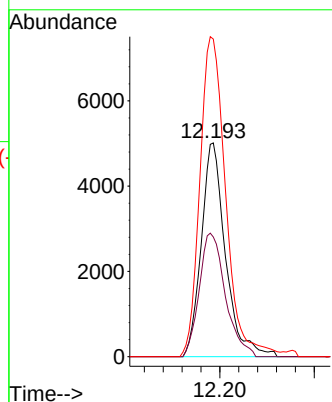
Tgt Ion:152 Resp: 8909

Ion Ratio Lower Upper

152 100

115 62.2 0.0 325.2

150 159.5 0.0 684.2



#69

Isopropylbenzene

Concen: 0.477 ug/l

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU060316.D

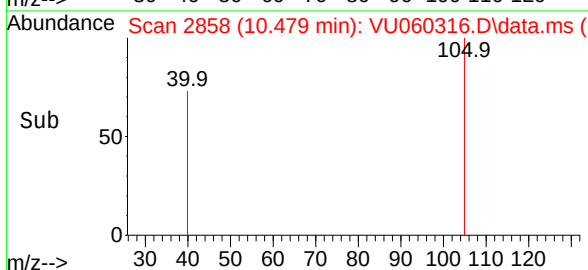
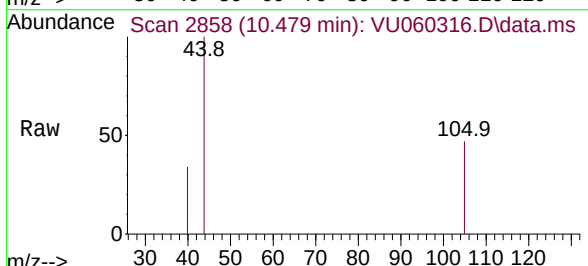
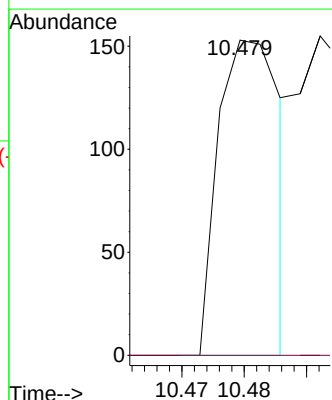
Acq: 05 Aug 2024 18:57

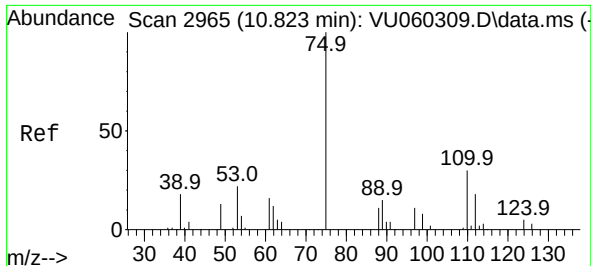
Tgt Ion:105 Resp: 106

Ion Ratio Lower Upper

105 100

120 0.0 13.0 39.0#





#71

1,2,3-Trichloropropane

Concen: 1.770 ug/l

RT: 10.817 min Scan# 2963

Delta R.T. -0.007 min

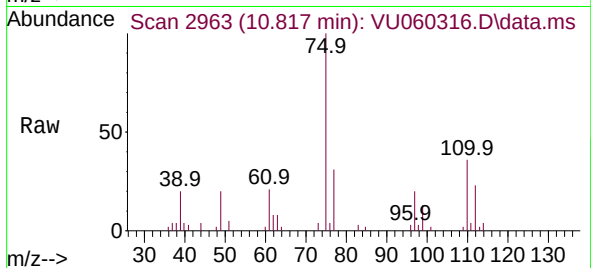
Lab File: VU060316.D

Acq: 05 Aug 2024 18:57

Instrument :

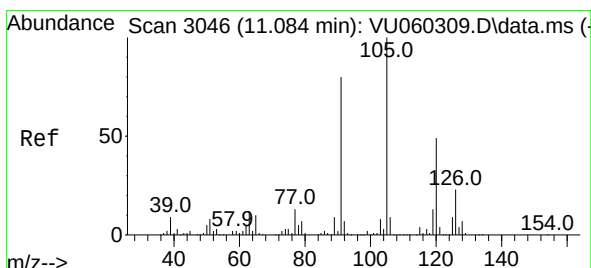
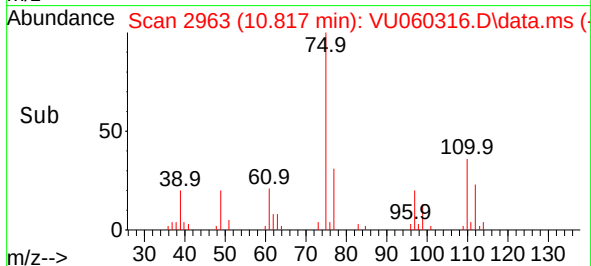
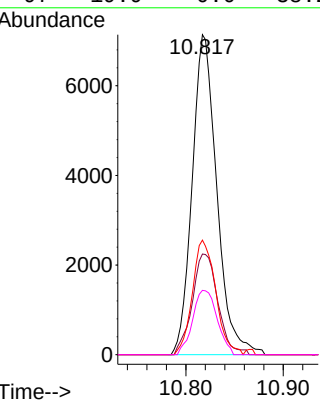
MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 12539

Ion	Ratio	Lower	Upper
75	100		
77	32.7	0.0	102.2
110	33.9	0.0	67.4
97	19.9	0.0	38.2



#75

1,3,5-Trimethylbenzene

Concen: 0.461 ug/l

RT: 11.100 min Scan# 3051

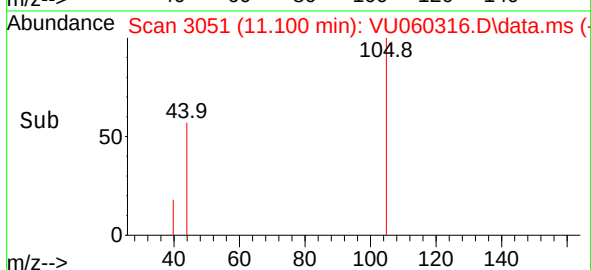
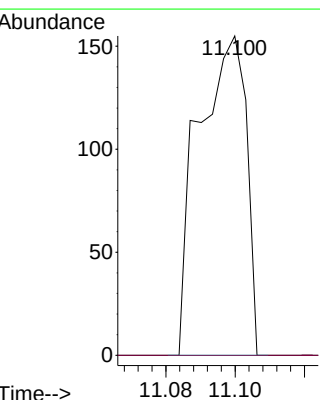
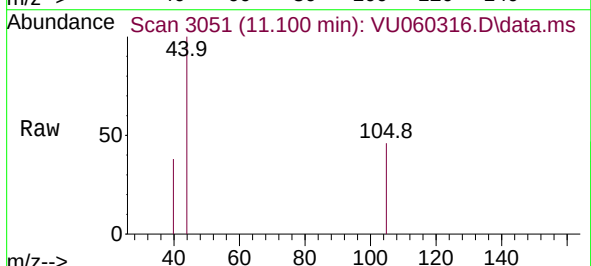
Delta R.T. 0.016 min

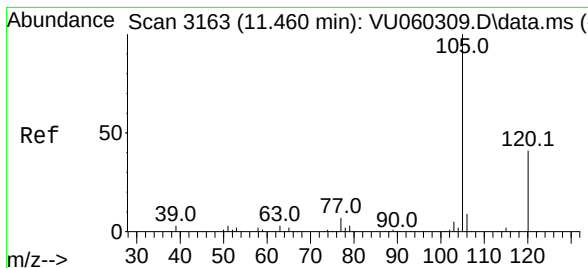
Lab File: VU060316.D

Acq: 05 Aug 2024 18:57

Tgt Ion: 105 Resp: 148

Ion	Ratio	Lower	Upper
105	100		
120	0.0	38.6	57.8#





#78

1,2,4-Trimethylbenzene

Concen: 0.501 ug/l

RT: 11.479 min Scan# 3169

Delta R.T. 0.019 min

Lab File: VU060316.D

Acq: 05 Aug 2024 18:57

Instrument :

MSVOA_U

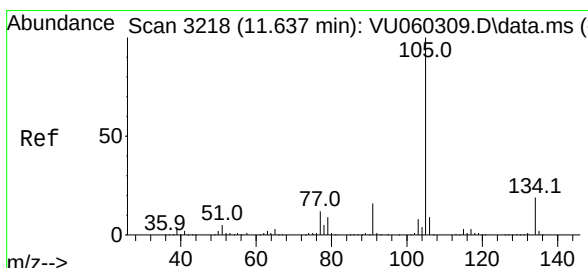
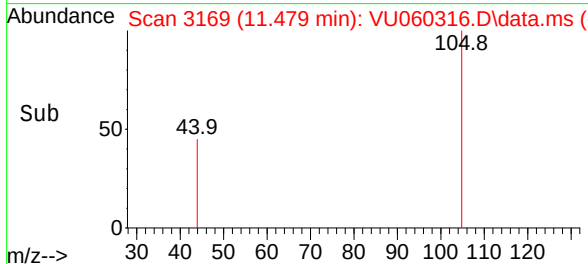
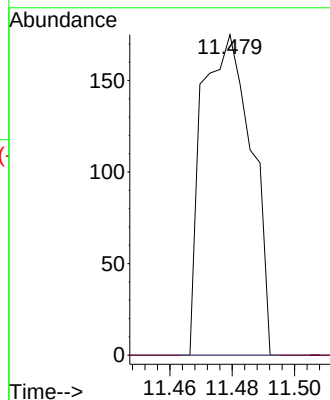
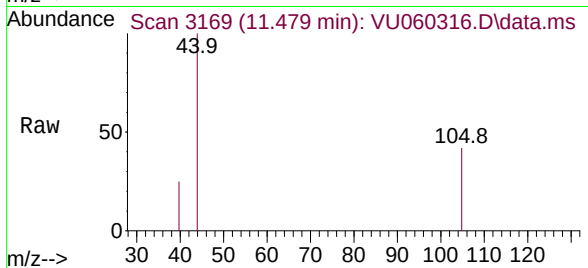
ClientSampleId :

Tgt Ion:105 Resp: 193

Ion Ratio Lower Upper

105 100

120 0.0 22.6 67.7#



#79

sec-Butylbenzene

Concen: 0.458 ug/l

RT: 11.646 min Scan# 3221

Delta R.T. 0.010 min

Lab File: VU060316.D

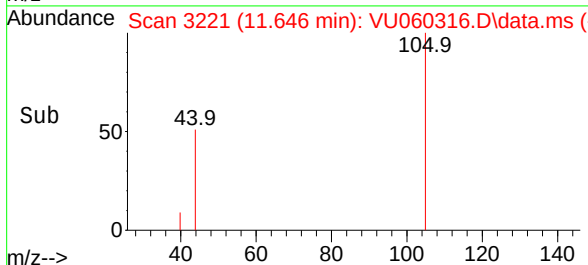
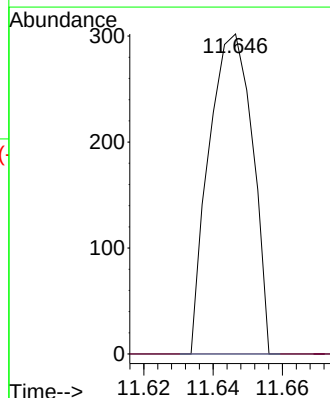
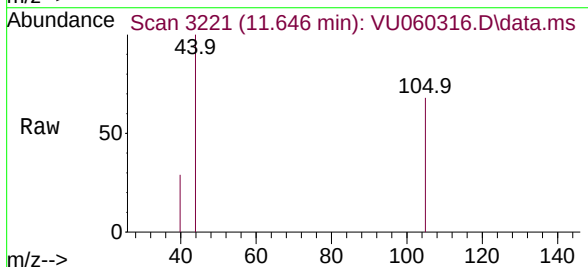
Acq: 05 Aug 2024 18:57

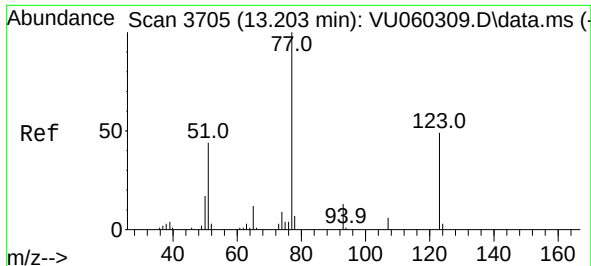
Tgt Ion:105 Resp: 264

Ion Ratio Lower Upper

105 100

134 0.0 15.5 23.3#

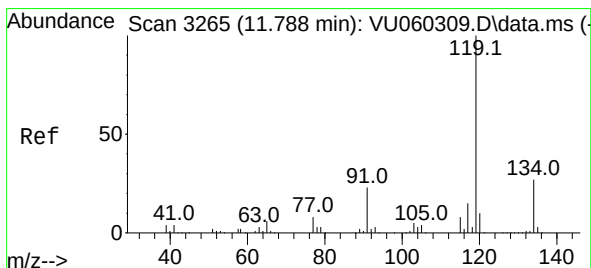
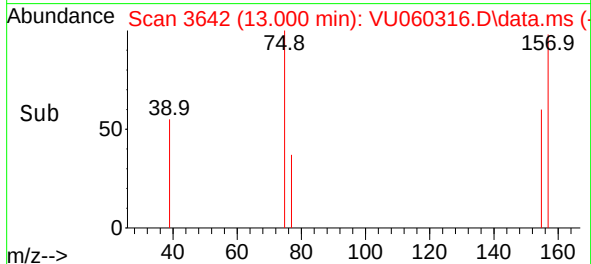
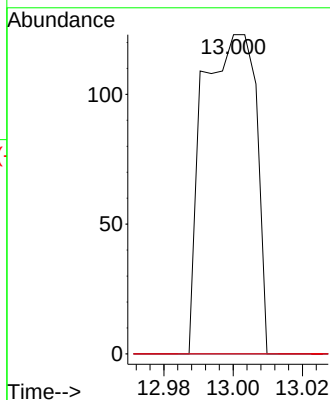
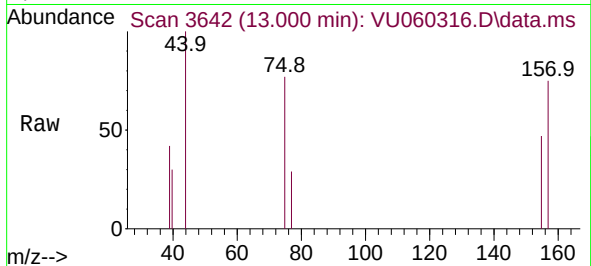




#80
Nitrobenzene
Concen: 0.310 ug/l
RT: 13.000 min Scan# 3705
Delta R.T. -0.203 min
Lab File: VU060316.D
Acq: 05 Aug 2024 18:57

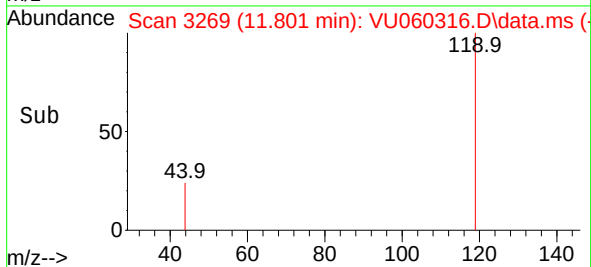
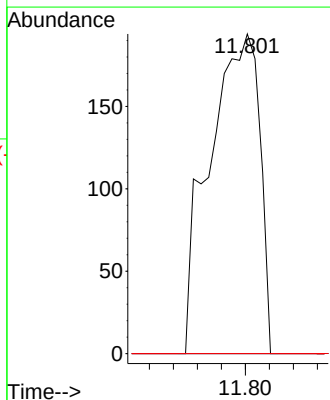
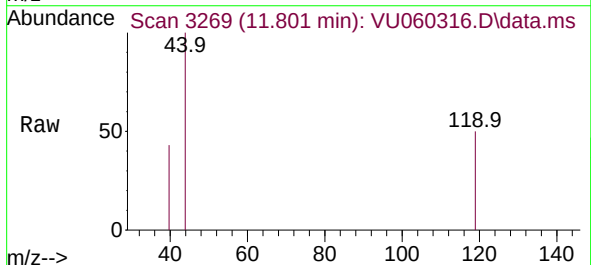
Instrument :
MSVOA_U
ClientSampleId :

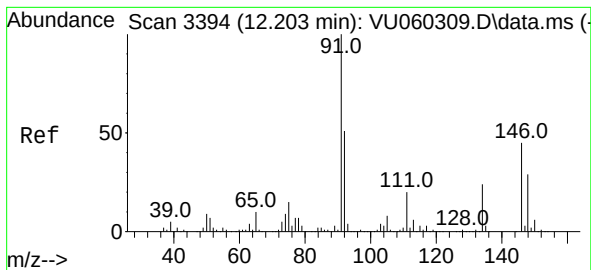
Tgt Ion: 77 Resp: 130
Ion Ratio Lower Upper
77 100
123 0.0 19.6 69.6#
65 0.0 9.0 11.4#



#81
p-Isopropyltoluene
Concen: 0.527 ug/l
RT: 11.801 min Scan# 3269
Delta R.T. 0.013 min
Lab File: VU060316.D
Acq: 05 Aug 2024 18:57

Tgt Ion: 119 Resp: 282
Ion Ratio Lower Upper
119 100
134 0.0 21.2 31.8#
91 0.0 18.9 28.3#





#84

n-Butylbenzene

Concen: 0.465 ug/l

RT: 12.216 min Scan# 3398

Delta R.T. 0.013 min

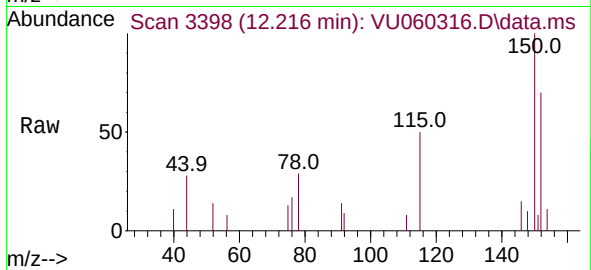
Lab File: VU060316.D

Acq: 05 Aug 2024 18:57

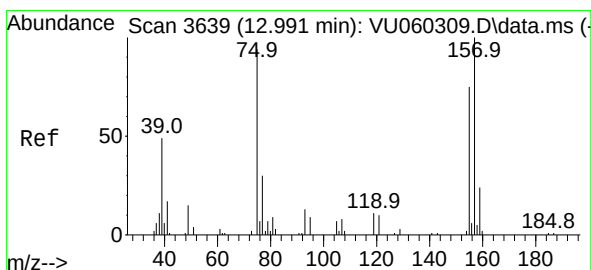
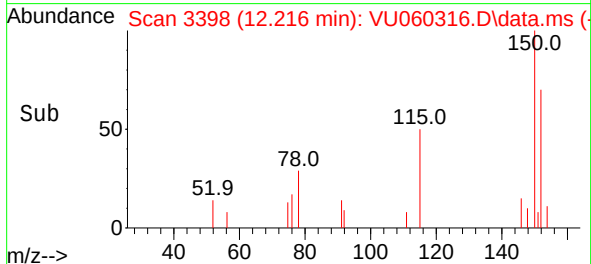
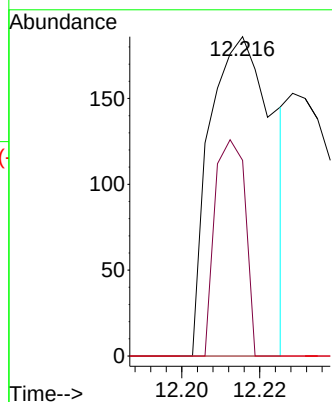
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 91	Resp:	211
Ion	Ratio	Lower Upper
91	100	
92	32.2	41.0 61.6#
134	0.0	19.4 29.2#



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.383 ug/l

RT: 13.000 min Scan# 3642

Delta R.T. 0.010 min

Lab File: VU060316.D

Acq: 05 Aug 2024 18:57

Tgt Ion: 75	Resp:	531
Ion	Ratio	Lower Upper
75	100	
155	42.7	66.1 99.1#
157	117.9	85.0 127.4

