

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
 Data File : VU052791.D
 Acq On : 24 Jan 2023 15:00
 Operator : JC/MD
 Sample : IBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 25 01:38:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

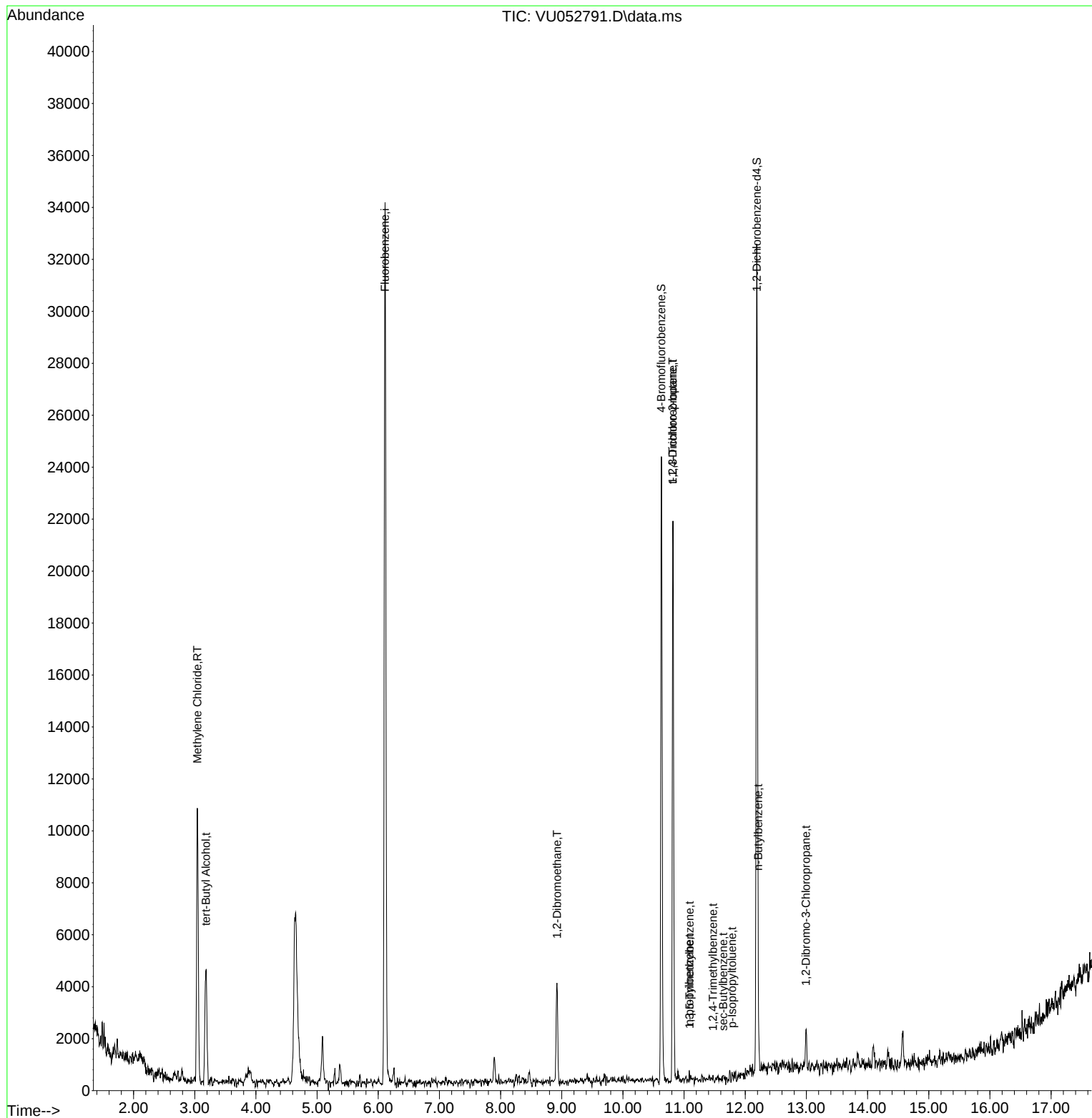
Internal Standards						
1) Fluorobenzene	6.112	96	32817	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	8079	0.740	ug/l	0.00
Spiked Amount 1.000			Recovery	=	74.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	9360	0.834	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
Target Compounds						
						Qvalue
15) Methylene Chloride	3.041	84	5580	0.603	ug/l	94
24) tert-Butyl Alcohol	3.182	59	3118	4.783	ug/l #	22
46) t-1,4-Dichloro-2-butene	10.816	75	9148	3.711	ug/l #	23
56) 1,2-Dibromoethane	8.922	107	2817	0.465	ug/l	47
71) 1,2,3-Trichloropropane	10.816	75	9148	1.333	ug/l	85
73) n-propylbenzene	11.086	120	67	0.446	ug/l #	21
75) 1,3,5-Trimethylbenzene	11.089	105	95	0.422	ug/l #	70
78) 1,2,4-Trimethylbenzene	11.471	105	114	0.458	ug/l #	30
79) sec-Butylbenzene	11.639	105	206	0.433	ug/l #	56
81) p-Isopropyltoluene	11.783	119	187	0.489	ug/l #	51
84) n-Butylbenzene	12.211	91	403	0.564	ug/l #	69
86) 1,2-Dibromo-3-Chloropr...	12.992	75	462	0.315	ug/l	92

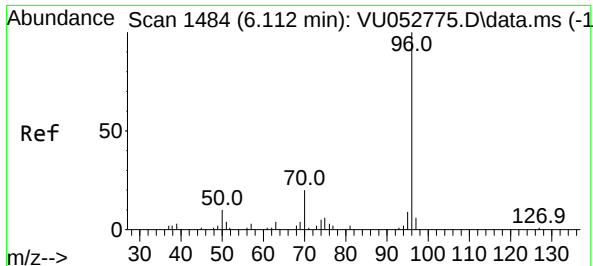
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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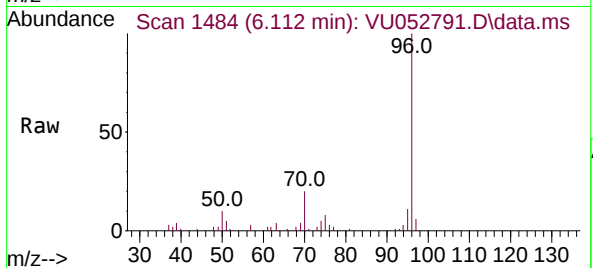
Quant Time: Jan 25 01:38:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jan 24 05:16:59 2023
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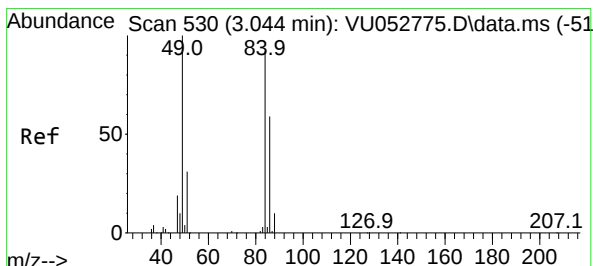
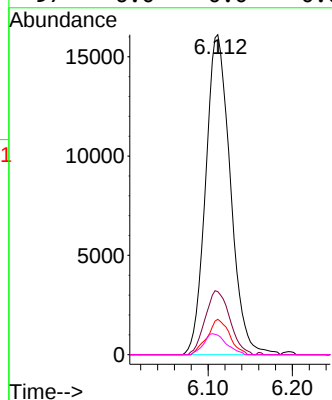
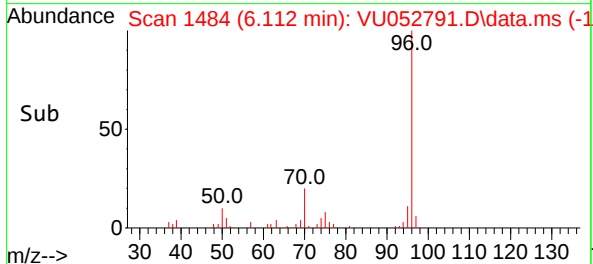
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Instrument :
MSVOA_U
ClientSampleId :

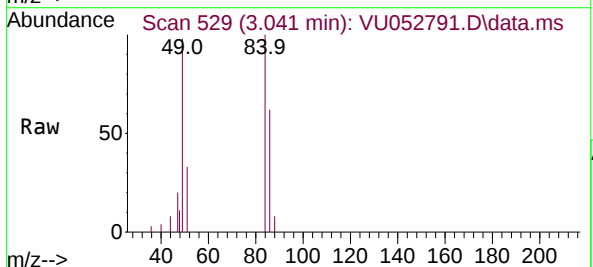


Tgt Ion: 96 Resp: 32817

Ion	Ratio	Lower	Upper
96	100		
70	19.9	16.2	24.4
95	9.9	7.4	11.0
97	6.0	0.0	0.0

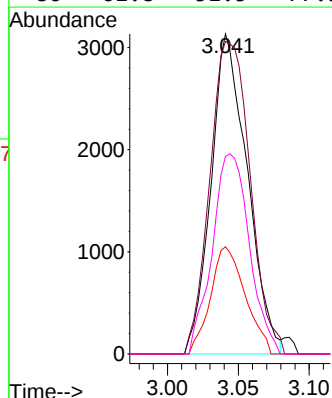
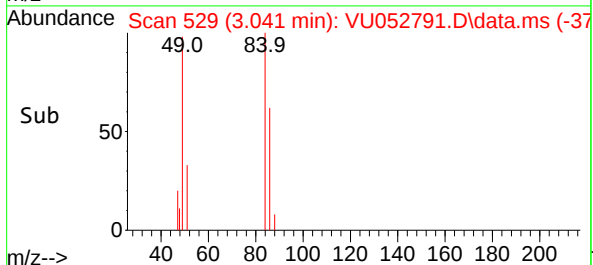


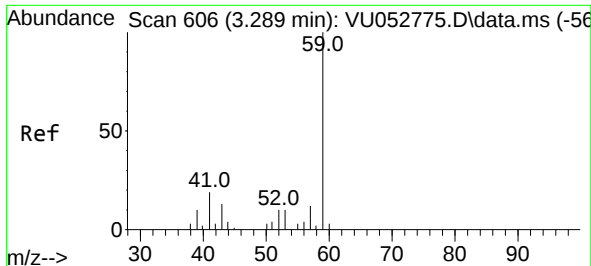
#15
Methylene Chloride
Concen: 0.603 ug/l
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00



Tgt Ion: 84 Resp: 5580

Ion	Ratio	Lower	Upper
84	100		
49	97.6	86.7	130.1
51	33.5	0.0	66.8
86	61.8	51.5	77.3

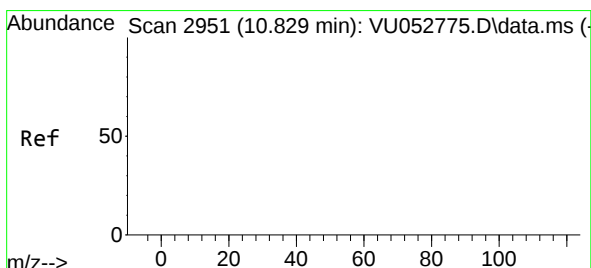
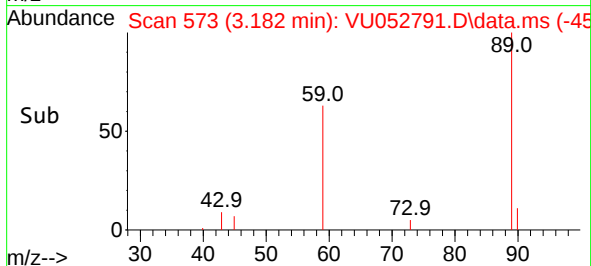
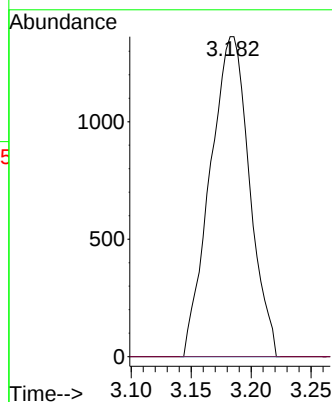
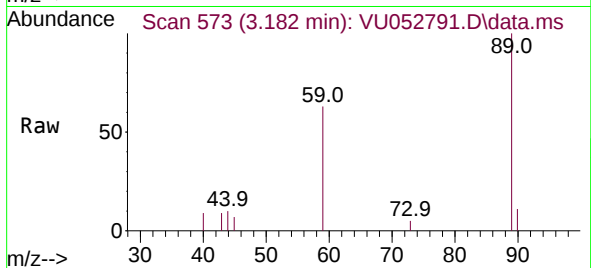




#24
tert-Butyl Alcohol
Concen: 4.783 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.106 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

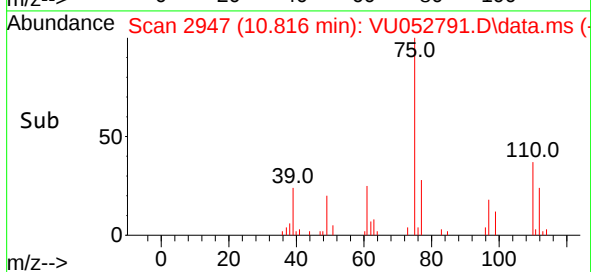
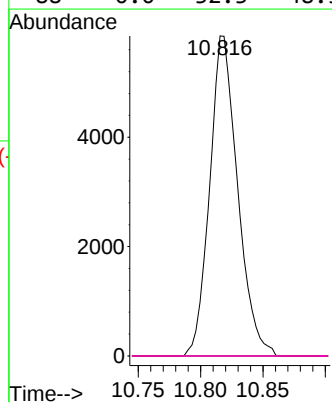
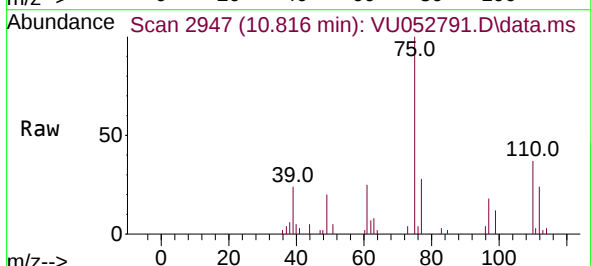
Instrument :
MSVOA_U
ClientSampleId :

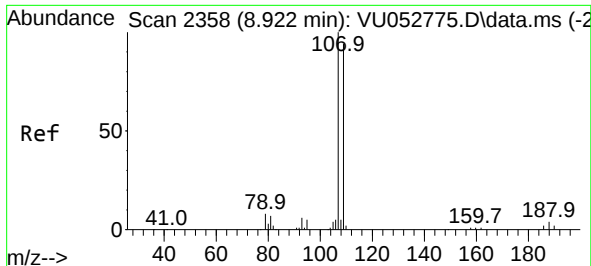
Tgt Ion: 59 Resp: 3118
Ion Ratio Lower Upper
59 100
57 0.0 45.8 68.8#



#46
t-1,4-Dichloro-2-butene
Concen: 3.711 ug/l
RT: 10.816 min Scan# 2947
Delta R.T. -0.013 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Tgt Ion: 75 Resp: 9148
Ion Ratio Lower Upper
75 100
53 0.0 57.0 85.4#
89 0.0 41.1 61.7#
88 0.0 32.3 48.5#

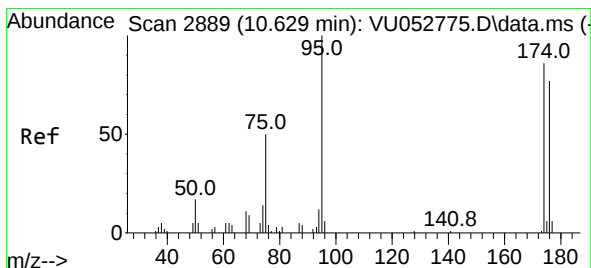
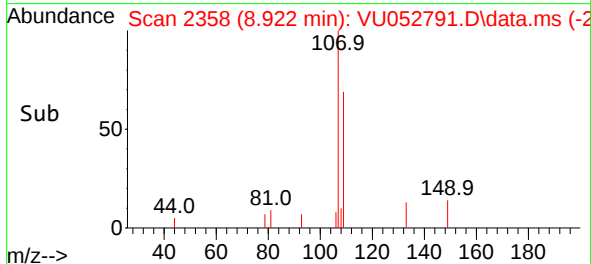
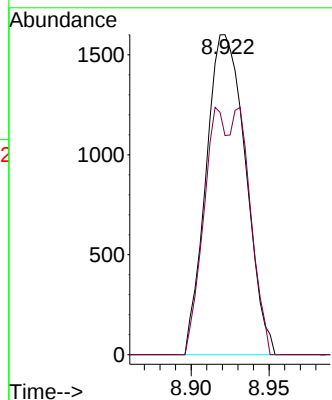
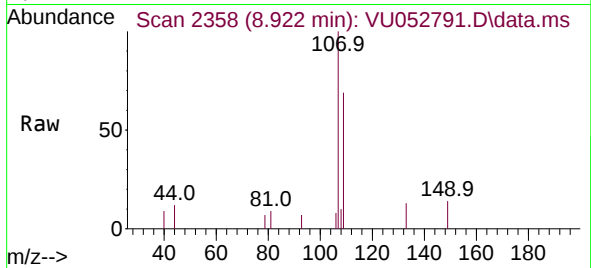




#56
1,2-Dibromoethane
Concen: 0.465 ug/l
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

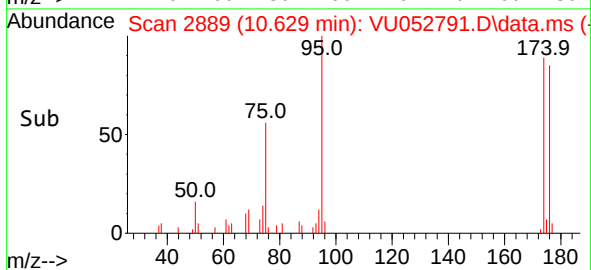
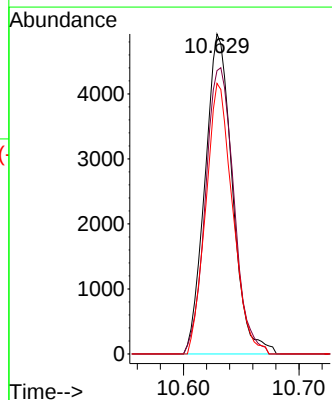
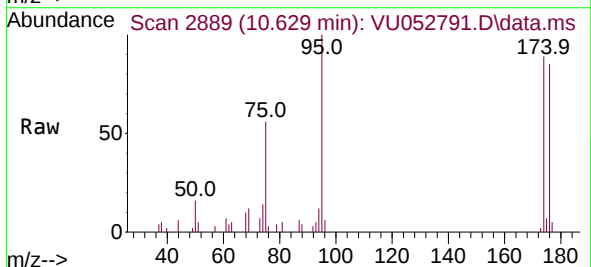
Instrument :
MSVOA_U
ClientSampleId :

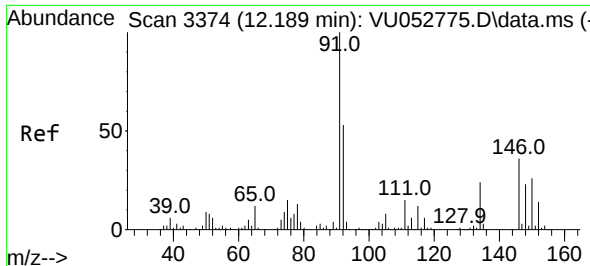
Tgt Ion:107 Resp: 2817
Ion Ratio Lower Upper
107 100
109 43.2 0.0 190.4



#57
4-Bromofluorobenzene
Concen: 0.740 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.000 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

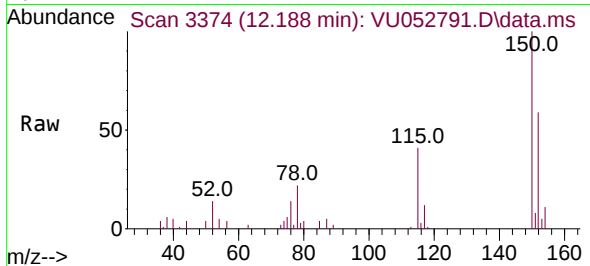
Tgt Ion: 95 Resp: 8079
Ion Ratio Lower Upper
95 100
174 92.6 66.9 100.3
176 83.3 61.9 92.9



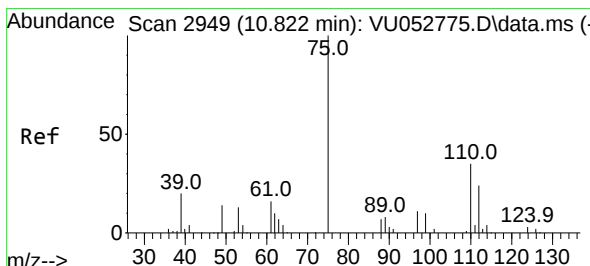
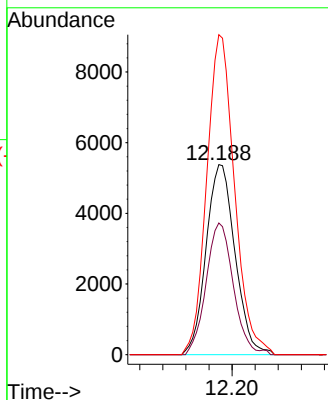
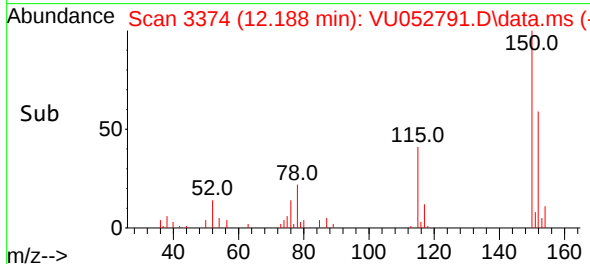


#68
 1,2-Dichlorobenzene-d4
 Concen: 0.834 ug/l
 RT: 12.188 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU052791.D
 Acq: 24 Jan 2023 15:00

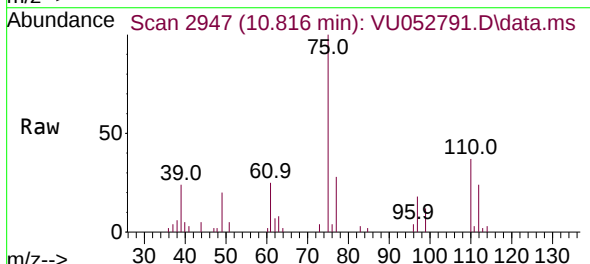
Instrument :
 MSVOA_U
 ClientSampleId :



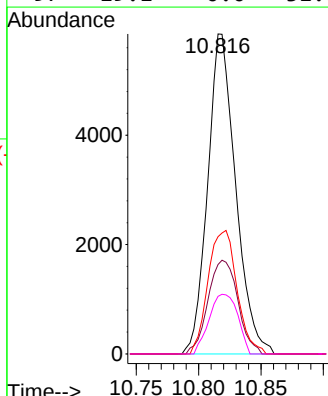
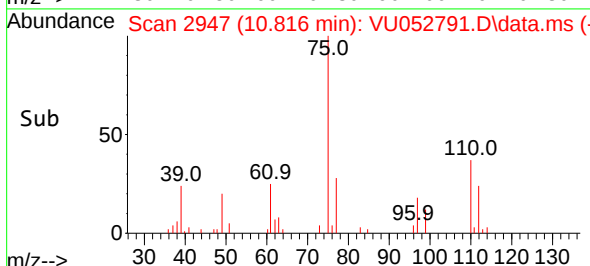
Tgt Ion:152 Resp: 9360
 Ion Ratio Lower Upper
 152 100
 115 65.1 0.0 262.6
 150 161.5 0.0 638.0

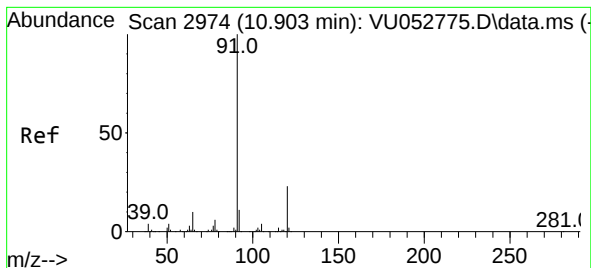


#71
 1,2,3-Trichloropropane
 Concen: 1.333 ug/l
 RT: 10.816 min Scan# 2947
 Delta R.T. -0.007 min
 Lab File: VU052791.D
 Acq: 24 Jan 2023 15:00



Tgt Ion: 75 Resp: 9148
 Ion Ratio Lower Upper
 75 100
 77 31.2 0.0 86.0
 110 39.9 0.0 63.8
 97 19.1 0.0 31.8





#73

n-propylbenzene

Concen: 0.446 ug/l

RT: 11.086 min Scan# 3031

Delta R.T. 0.183 min

Lab File: VU052791.D

Acq: 24 Jan 2023 15:00

Instrument :

MSVOA_U

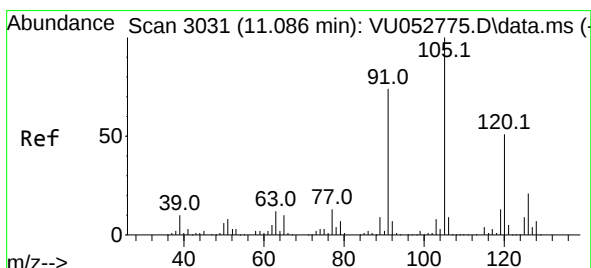
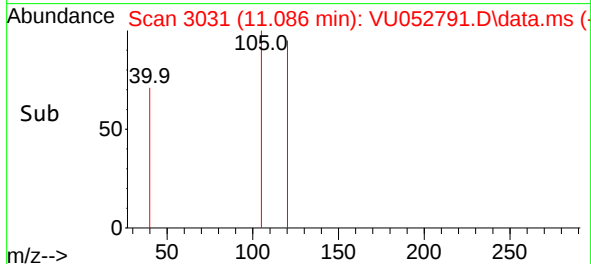
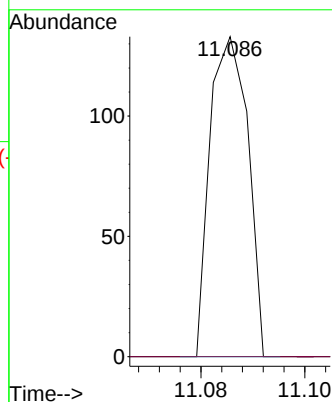
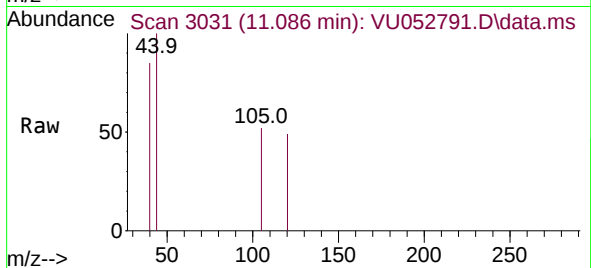
ClientSampleId :

Tgt Ion:120 Resp: 67

Ion Ratio Lower Upper

120 100

91 634.3 348.0 522.0#



#75

1,3,5-Trimethylbenzene

Concen: 0.422 ug/l

RT: 11.089 min Scan# 3032

Delta R.T. 0.003 min

Lab File: VU052791.D

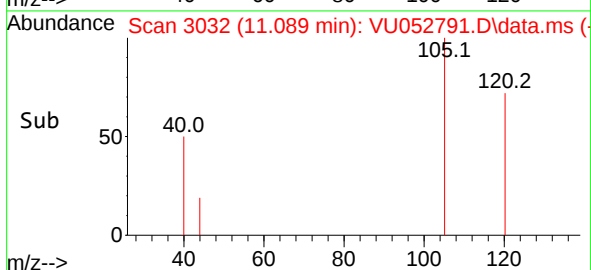
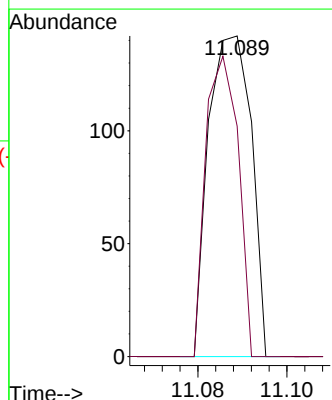
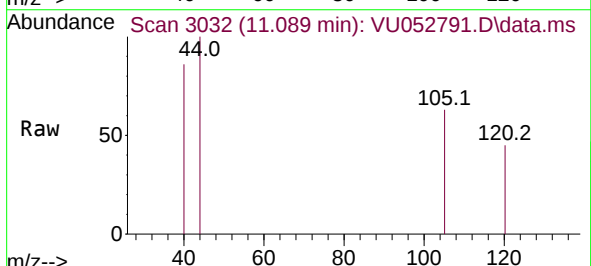
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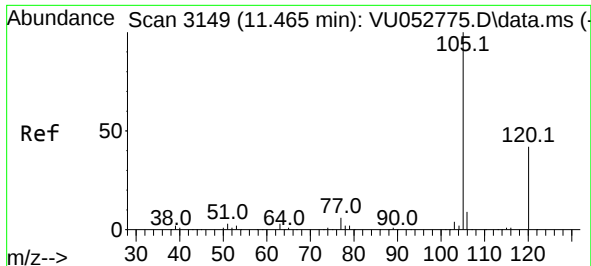
Tgt Ion:105 Resp: 95

Ion Ratio Lower Upper

105 100

120 70.5 39.9 59.9#





#78

1,2,4-Trimethylbenzene

Concen: 0.458 ug/l

RT: 11.471 min Scan# 3149

Delta R.T. 0.006 min

Lab File: VU052791.D

Acq: 24 Jan 2023 15:00

Instrument :

MSVOA_U

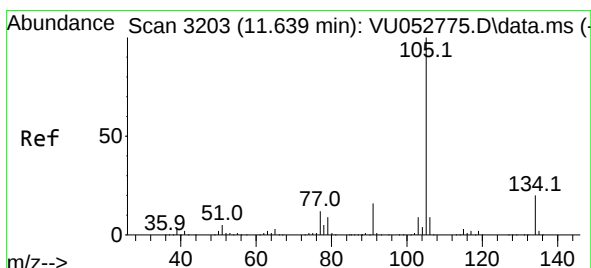
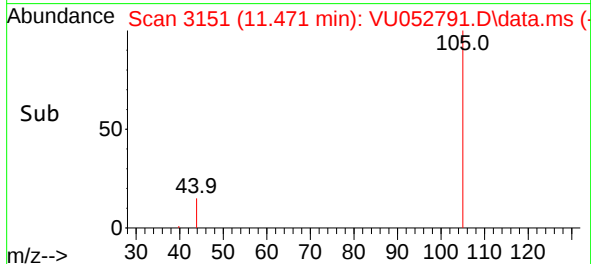
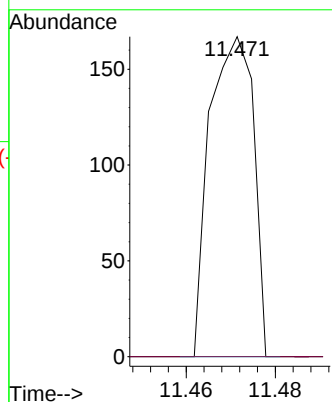
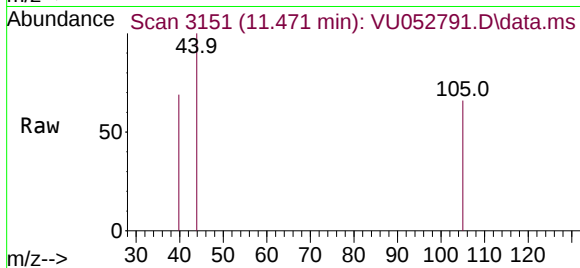
ClientSampleId :

Tgt Ion:105 Resp: 114

Ion Ratio Lower Upper

105 100

120 0.0 23.4 70.3#



#79

sec-Butylbenzene

Concen: 0.433 ug/l

RT: 11.639 min Scan# 3203

Delta R.T. -0.000 min

Lab File: VU052791.D

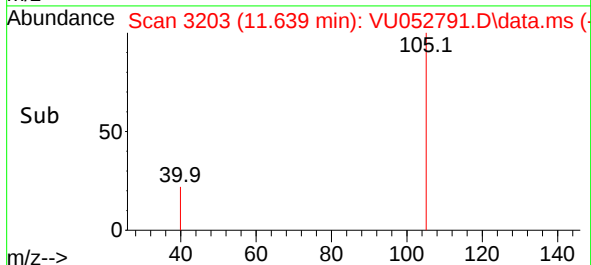
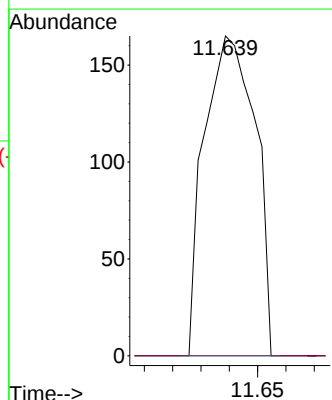
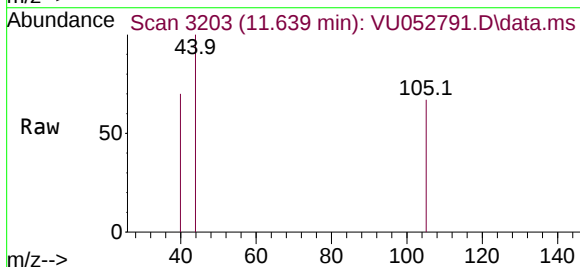
Acq: 24 Jan 2023 15:00

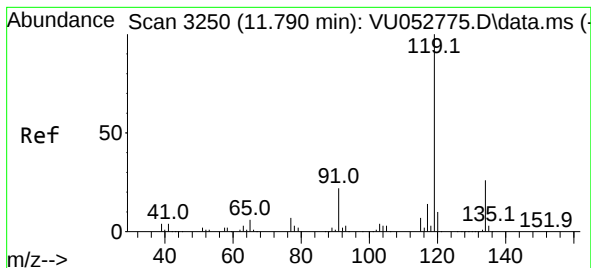
Tgt Ion:105 Resp: 206

Ion Ratio Lower Upper

105 100

134 0.0 16.5 24.7#





#81

p-Isopropyltoluene

Concen: 0.489 ug/l

RT: 11.783 min Scan# 331

Delta R.T. -0.007 min

Lab File: VU052791.D

Acq: 24 Jan 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

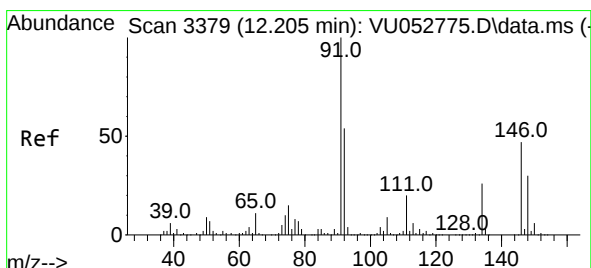
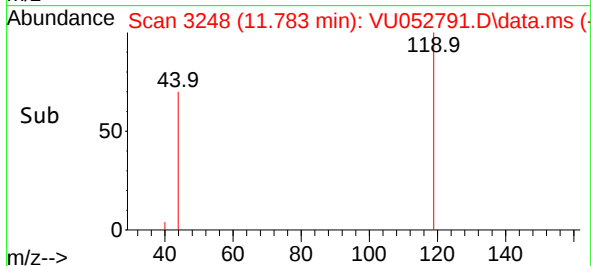
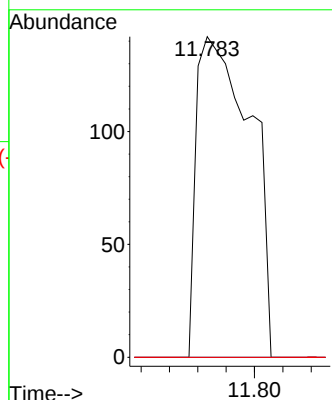
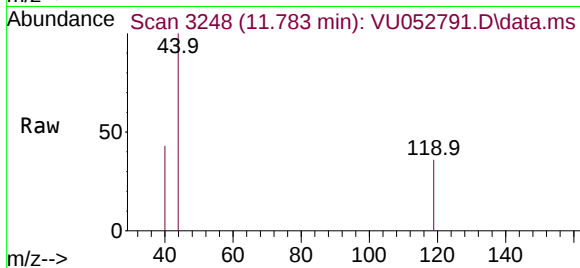
Tgt Ion:119 Resp: 187

Ion Ratio Lower Upper

119 100

134 0.0 20.7 31.1#

91 0.0 17.6 26.4#



#84

n-Butylbenzene

Concen: 0.564 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.006 min

Lab File: VU052791.D

Acq: 24 Jan 2023 15:00

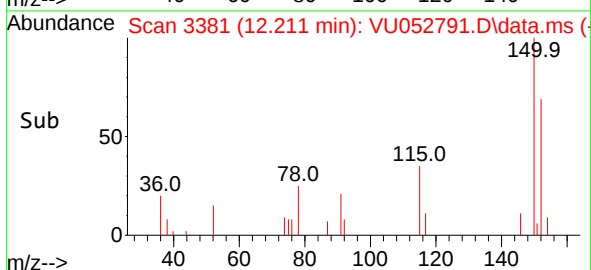
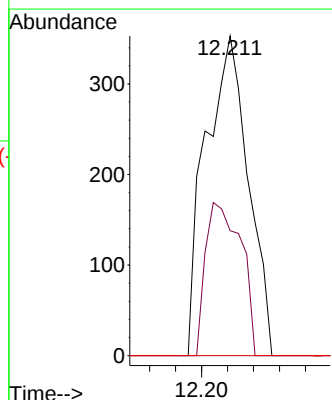
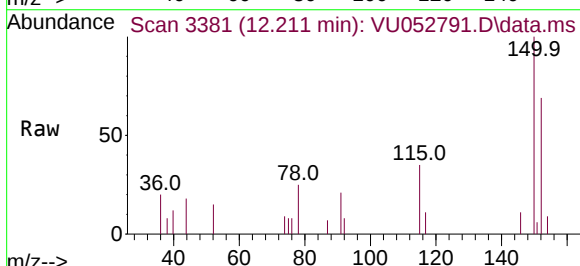
Tgt Ion: 91 Resp: 403

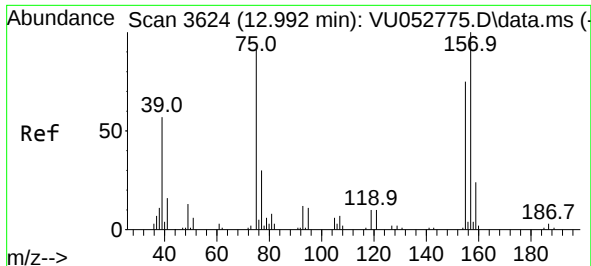
Ion Ratio Lower Upper

91 100

92 39.7 43.4 65.0#

134 0.0 21.2 31.8#





#86

1,2-Dibromo-3-Chloropropane

Concen: 0.315 ug/l

RT: 12.992 min Scan# 30

Delta R.T. -0.000 min

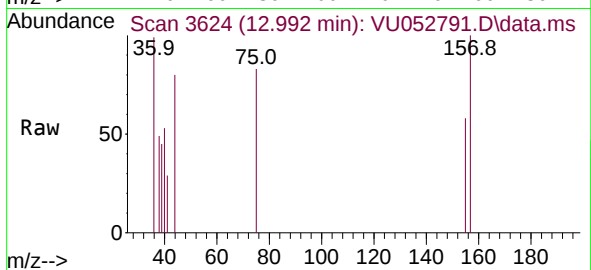
Lab File: VU052791.D

Acq: 24 Jan 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 462

Ion Ratio Lower Upper

75 100

155 81.4 66.0 99.0

157 121.9 85.9 128.9

