

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111224\
 Data File : VU061604.D
 Acq On : 12 Nov 2024 15:19
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 13 05:07:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U111224DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Nov 13 05:00:10 2024
 Response via : Initial Calibration

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

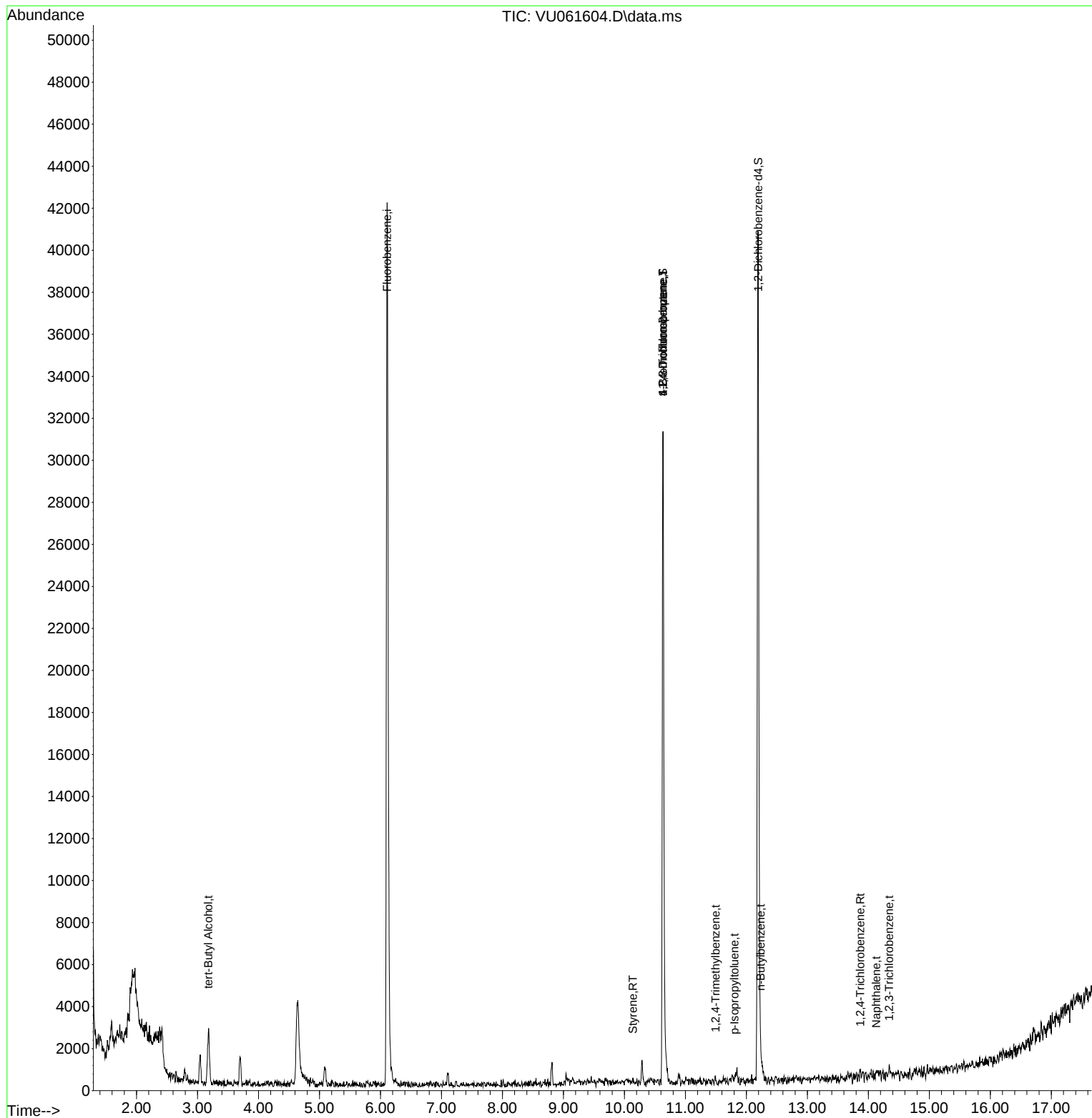
Internal Standards						
1) Fluorobenzene	6.110	96	41728	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13091	0.904	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	13293	0.922	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
						Qvalue
24) tert-Butyl Alcohol	3.177	59	1738	2.468	ug/l #	73
46) t-1,4-Dichloro-2-butene	10.630	75	6510	2.135	ug/l #	31
66) Styrene	10.139	104	40	0.284	ug/l #	26
71) 1,2,3-Trichloropropane	10.630	75	6510	0.800	ug/l #	50
78) 1,2,4-Trimethylbenzene	11.492	105	90	0.243	ug/l #	31
81) p-Isopropyltoluene	11.804	119	210	0.268	ug/l #	50
84) n-Butylbenzene	12.232	91	324	0.270	ug/l #	34
87) 1,2,4-Trichlorobenzene	13.868	180	324	0.463	ug/l #	37
89) Naphthalene	14.129	128	251	0.599	ug/l #	69
90) 1,2,3-Trichlorobenzene	14.341	180	208	0.469	ug/l #	64

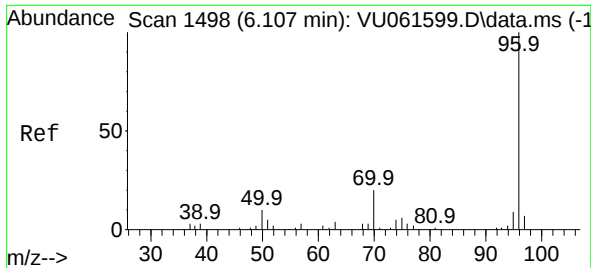
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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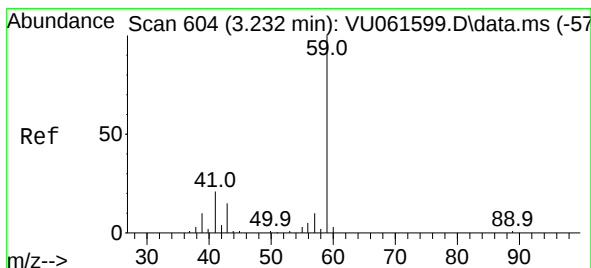
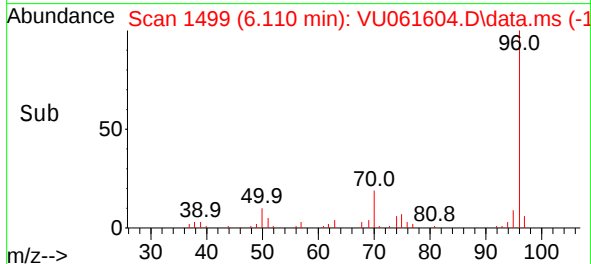
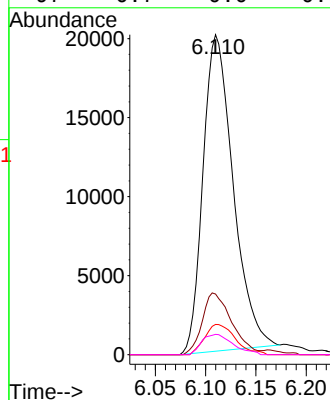
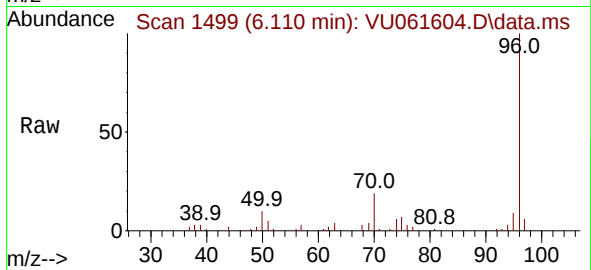




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU061604.D
Acq: 12 Nov 2024 15:19

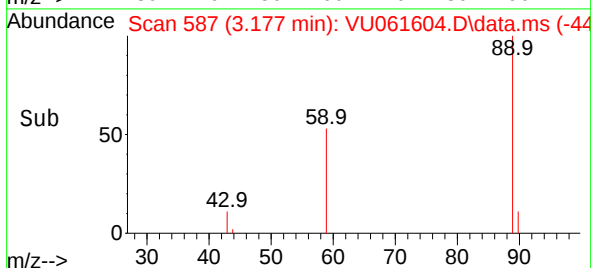
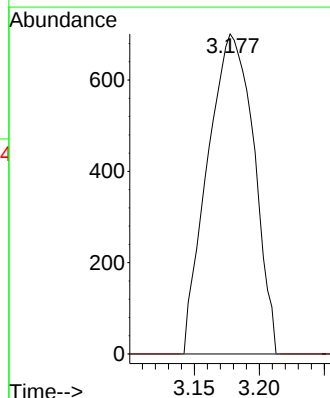
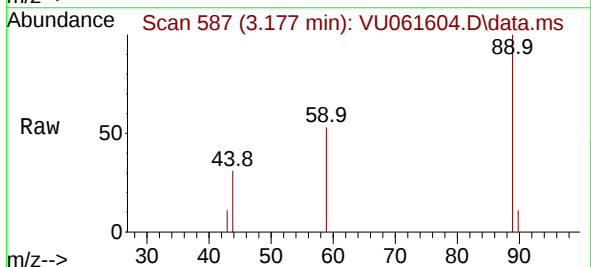
Instrument :
MSVOA_U
ClientSampleId :

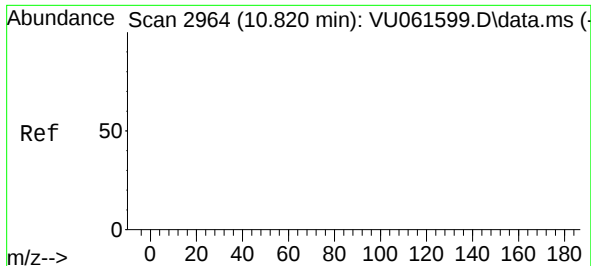
Tgt Ion: 96 Resp: 41728
Ion Ratio Lower Upper
96 100
70 17.7 15.8 23.6
95 9.7 7.3 10.9
97 6.7 0.0 0.0#



#24
tert-Butyl Alcohol
Concen: 2.468 ug/l
RT: 3.177 min Scan# 587
Delta R.T. -0.055 min
Lab File: VU061604.D
Acq: 12 Nov 2024 15:19

Tgt Ion: 59 Resp: 1738
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#46

t-1,4-Dichloro-2-butene

Concen: 2.135 ug/l

RT: 10.630 min Scan# 2905

Delta R.T. -0.190 min

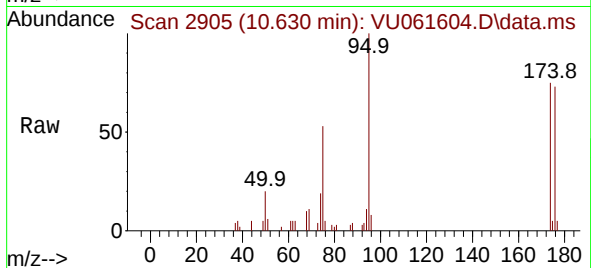
Lab File: VU061604.D

Acq: 12 Nov 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 6510

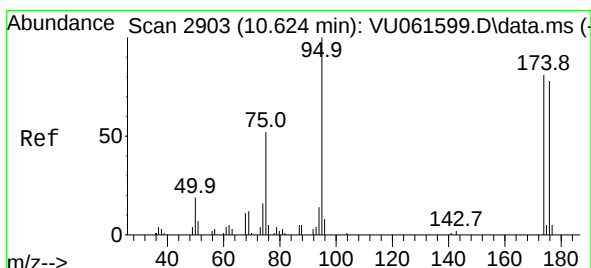
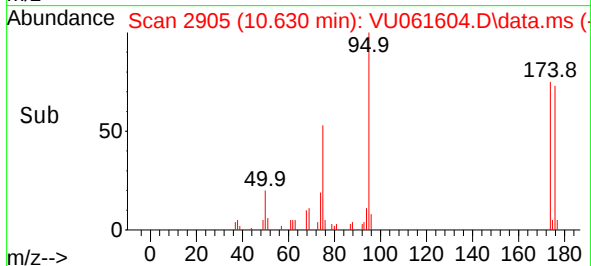
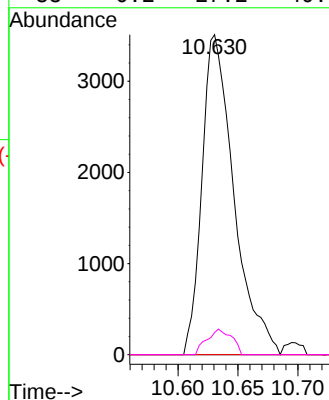
Ion Ratio Lower Upper

75 100

53 0.0 50.7 76.1#

89 0.0 35.2 52.8#

88 6.2 27.2 40.8#



#57

4-Bromofluorobenzene

Concen: 0.904 ug/l

RT: 10.630 min Scan# 2905

Delta R.T. 0.006 min

Lab File: VU061604.D

Acq: 12 Nov 2024 15:19

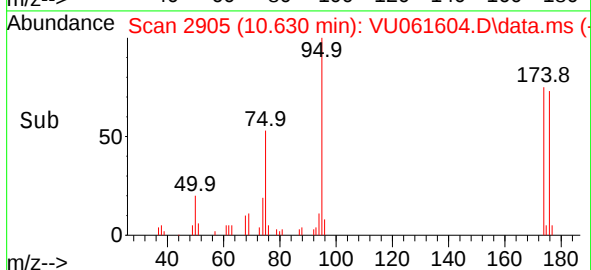
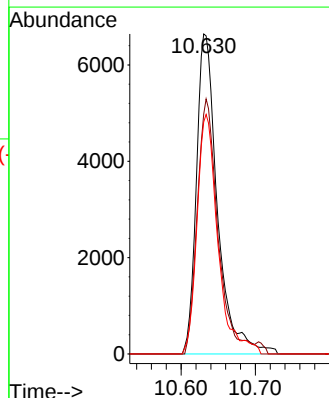
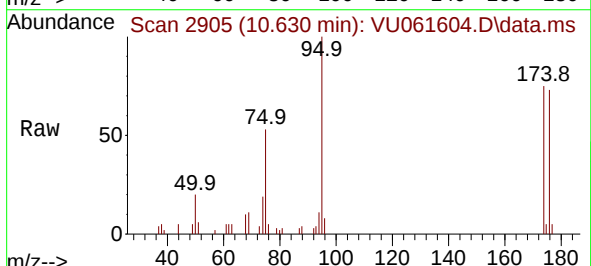
Tgt Ion: 95 Resp: 13091

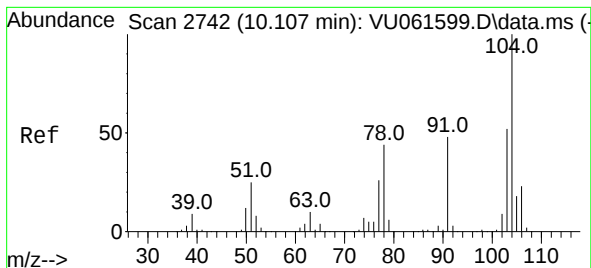
Ion Ratio Lower Upper

95 100

174 78.5 67.5 101.3

176 74.1 62.7 94.1





#66

Styrene

Concen: 0.284 ug/l

RT: 10.139 min Scan# 21

Delta R.T. 0.032 min

Lab File: VU061604.D

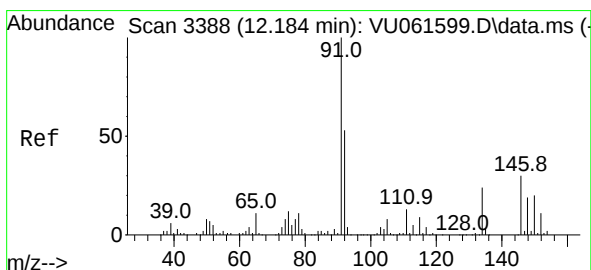
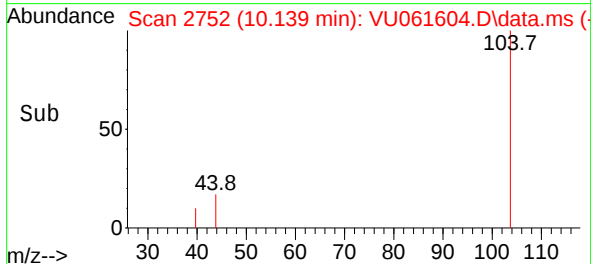
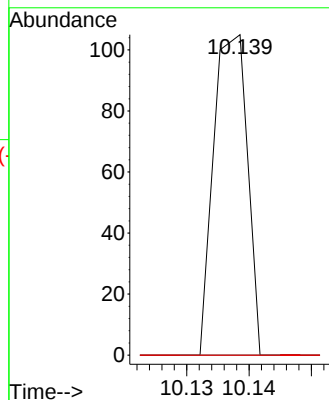
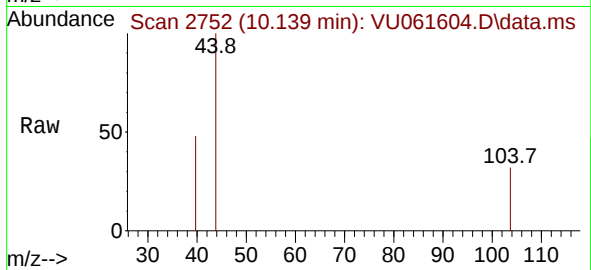
Acq: 12 Nov 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:104	Resp:	40
Ion Ratio	Lower	Upper
104	100	
78	0.0	39.2 58.8#
103	0.0	44.9 67.3#



#68

1,2-Dichlorobenzene-d4

Concen: 0.922 ug/l

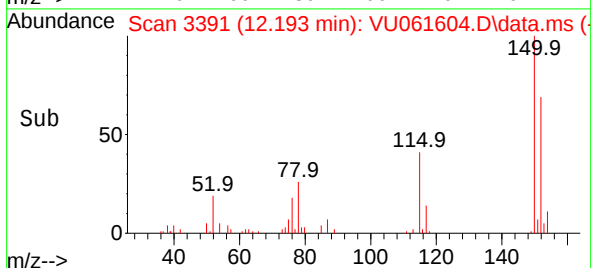
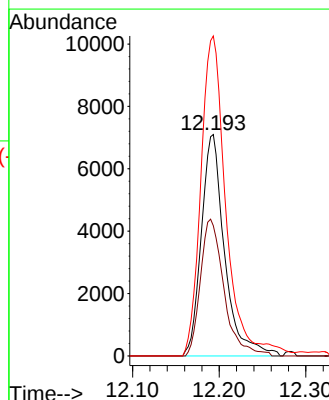
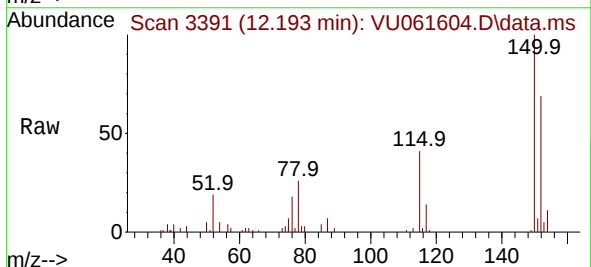
RT: 12.193 min Scan# 3391

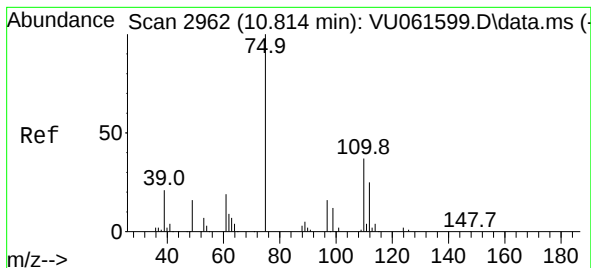
Delta R.T. 0.009 min

Lab File: VU061604.D

Acq: 12 Nov 2024 15:19

Tgt Ion:152	Resp:	13293
Ion Ratio	Lower	Upper
152	100	
115	62.3	0.0 259.0
150	155.4	0.0 650.2





#71

1,2,3-Trichloropropane

Concen: 0.800 ug/l

RT: 10.630 min Scan# 2962

Delta R.T. -0.183 min

Lab File: VU061604.D

Acq: 12 Nov 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 75 Resp: 6510

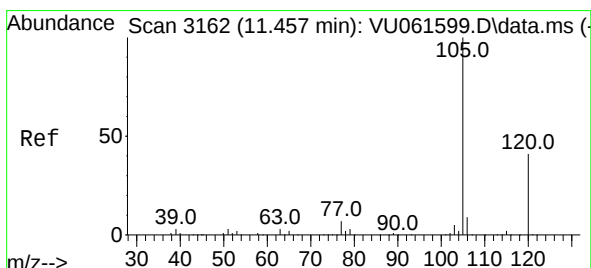
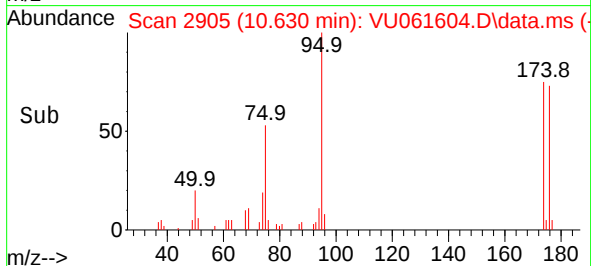
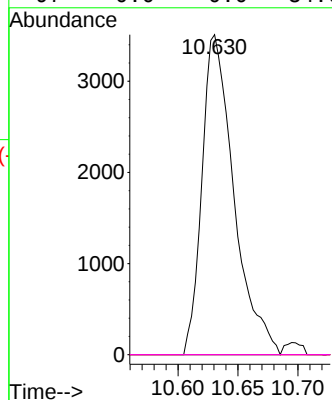
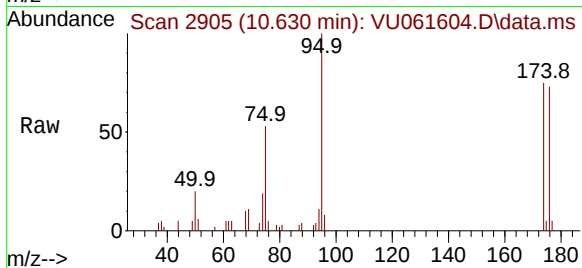
Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#

110 0.0 0.0 61.6

97 0.0 0.0 34.6



#78

1,2,4-Trimethylbenzene

Concen: 0.243 ug/l

RT: 11.492 min Scan# 3173

Delta R.T. 0.035 min

Lab File: VU061604.D

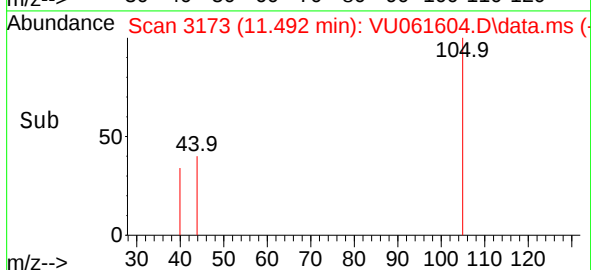
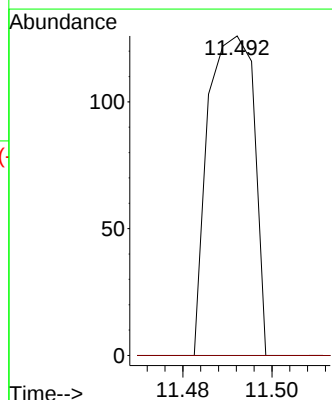
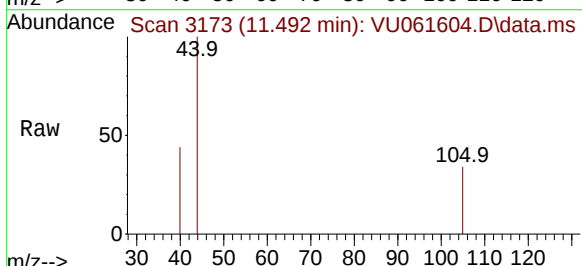
Acq: 12 Nov 2024 15:19

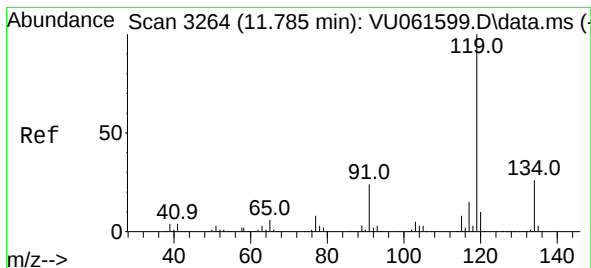
Tgt Ion:105 Resp: 90

Ion Ratio Lower Upper

105 100

120 0.0 22.7 68.0#





#81

p-Isopropyltoluene

Concen: 0.268 ug/l

RT: 11.804 min Scan# 31

Delta R.T. 0.019 min

Lab File: VU061604.D

Acq: 12 Nov 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :

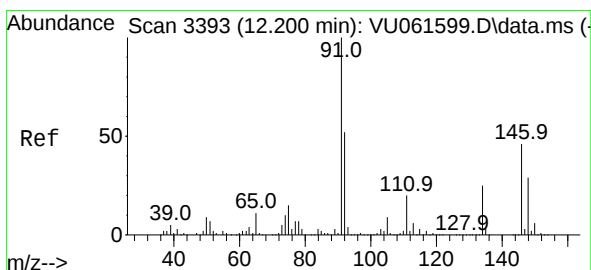
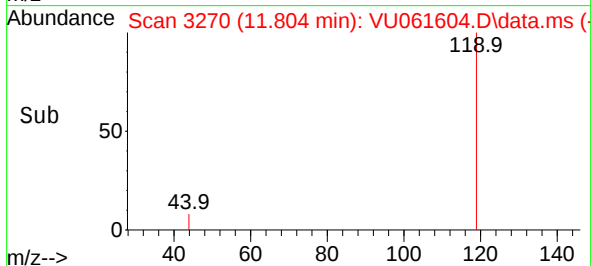
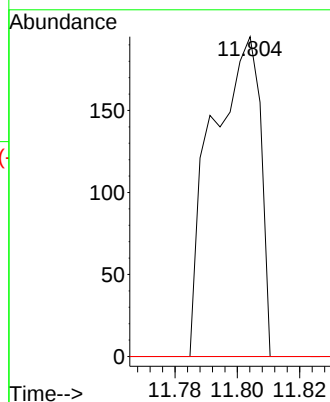
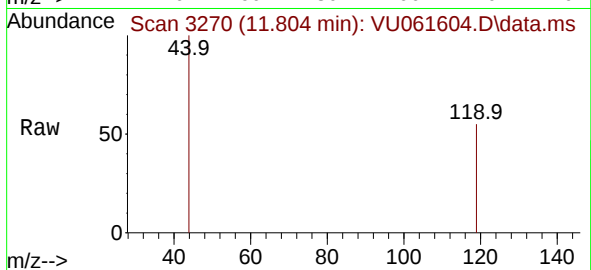
Tgt Ion:119 Resp: 210

Ion Ratio Lower Upper

119 100

134 0.0 20.9 31.3#

91 0.0 18.8 28.2#



#84

n-Butylbenzene

Concen: 0.270 ug/l

RT: 12.232 min Scan# 3403

Delta R.T. 0.032 min

Lab File: VU061604.D

Acq: 12 Nov 2024 15:19

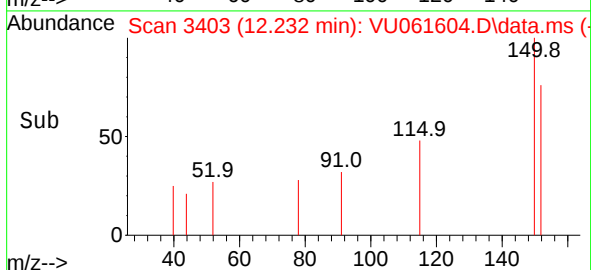
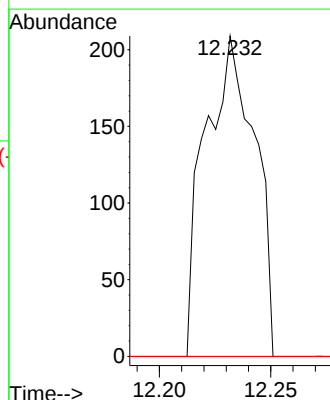
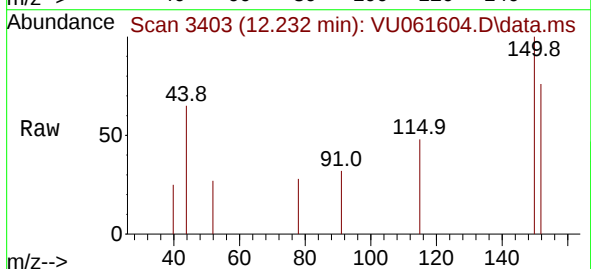
Tgt Ion: 91 Resp: 324

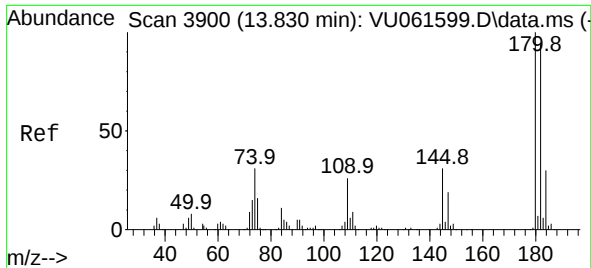
Ion Ratio Lower Upper

91 100

92 0.0 41.8 62.6#

134 0.0 20.2 30.4#





#87

1,2,4-Trichlorobenzene

Concen: 0.463 ug/l

RT: 13.868 min Scan# 3912

Delta R.T. 0.038 min

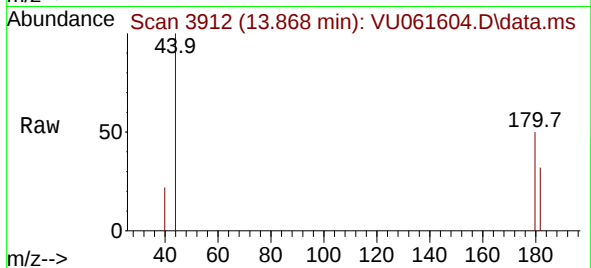
Lab File: VU061604.D

Acq: 12 Nov 2024 15:19

Instrument :

MSVOA_U

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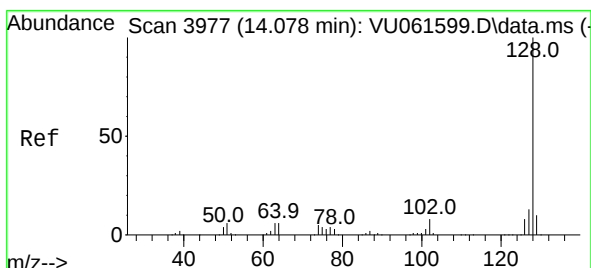
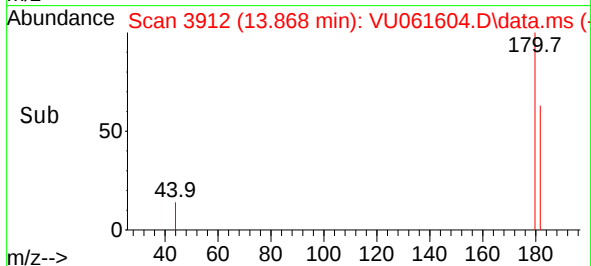
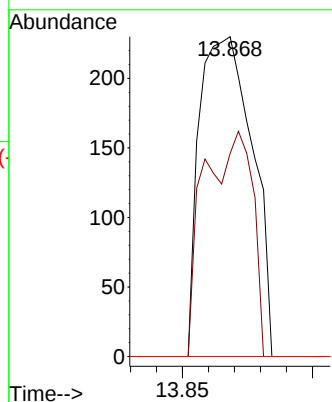
Tgt Ion:180 Resp: 324

Ion Ratio Lower Upper

180 100

182 30.9 75.3 112.9#

145 0.0 24.3 36.5#



#89

Naphthalene

Concen: 0.599 ug/l

RT: 14.129 min Scan# 3993

Delta R.T. 0.051 min

Lab File: VU061604.D

Acq: 12 Nov 2024 15:19

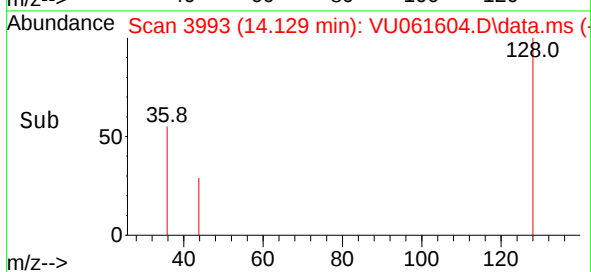
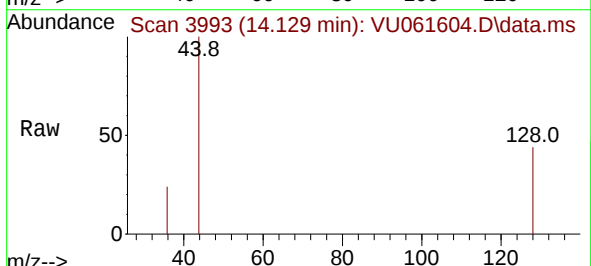
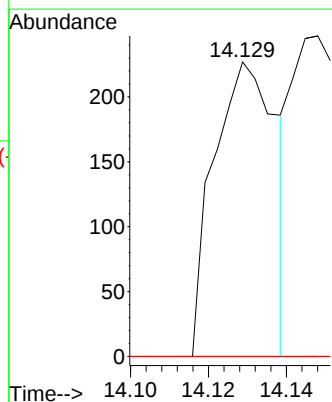
Tgt Ion:128 Resp: 251

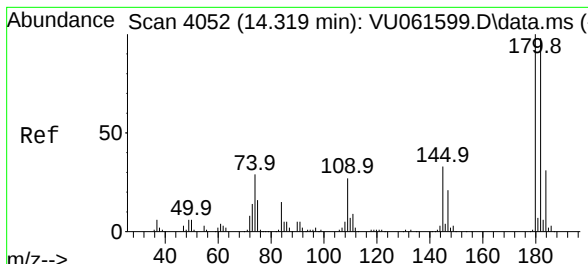
Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

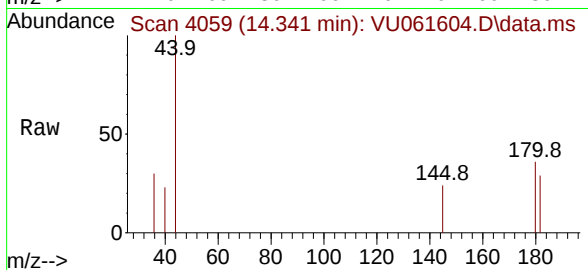
129 0.0 8.6 12.8#





#90
 1,2,3-Trichlorobenzene
 Concen: 0.469 ug/l
 RT: 14.341 min Scan# 4059
 Delta R.T. 0.022 min
 Lab File: VU061604.D
 Acq: 12 Nov 2024 15:19

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 208
 Ion Ratio Lower Upper
 180 100
 182 56.7 77.9 116.9#
 145 20.7 25.9 38.9#

