

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101422\
 Data File : VU051421.D
 Acq On : 14 Oct 2022 12:51
 Operator : JC/MD
 Sample : VU1014WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1014WBL01

Quant Time: Oct 15 06:08:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 02:45:21 2022
 Response via : Initial Calibration

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

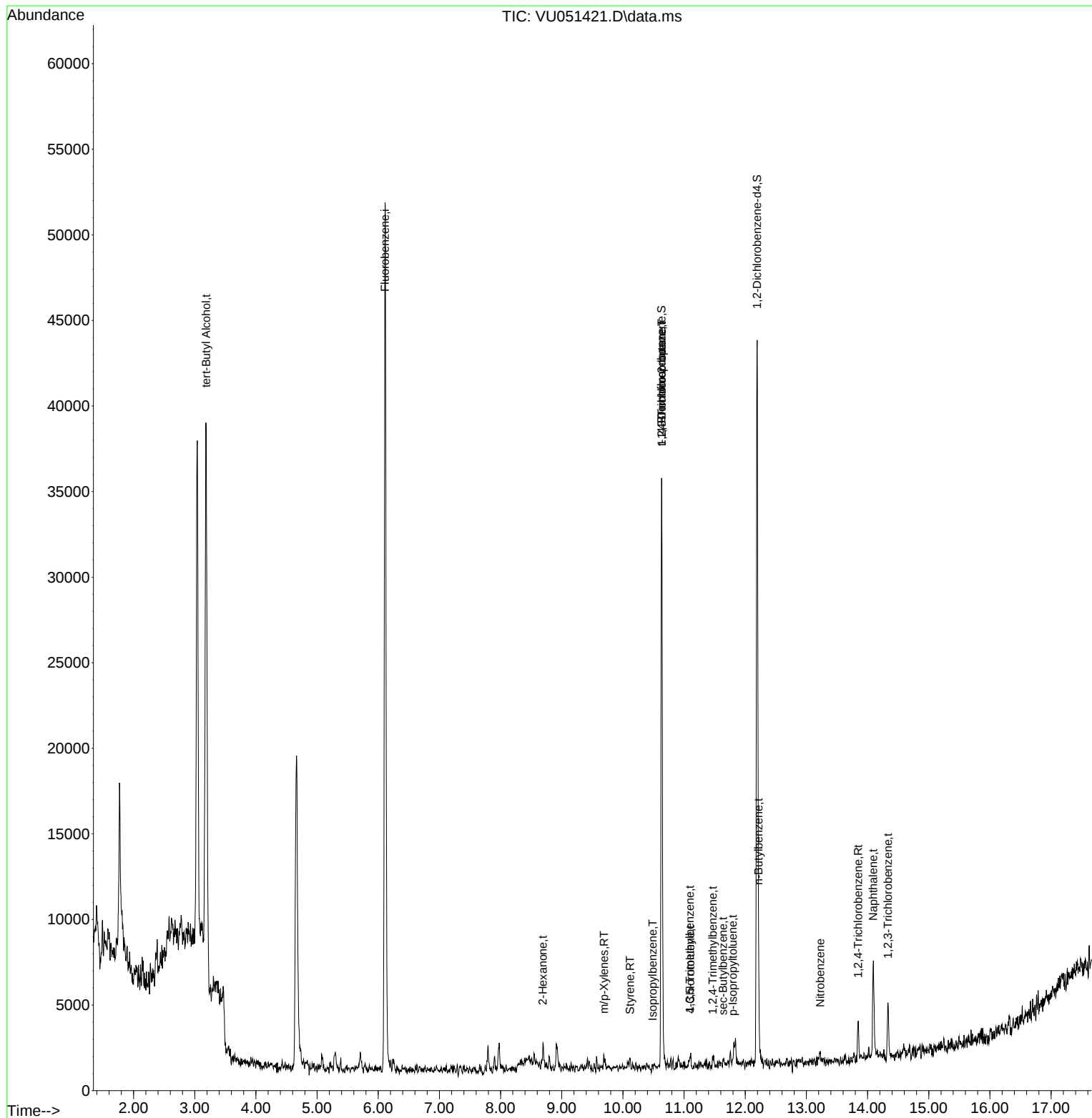
Internal Standards						
1) Fluorobenzene	6.112	96	47753	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	11723	0.747	ug/l	0.00
Spiked Amount 1.000			Recovery	=	75.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	12409	0.711	ug/l	0.00
Spiked Amount 1.000			Recovery	=	71.000%	
Target Compounds						
						Qvalue
13) Acetone	2.623	43	1477	Below Cal		97
15) Methylene Chloride	3.041	84	13990	Below Cal		97
18) 2-Butanone	4.729	43	218	Below Cal		75
24) tert-Butyl Alcohol	3.186	59	18156	31.421	ug/l #	73
46) t-1,4-Dichloro-2-butene	10.636	75	5657	1.928	ug/l #	22
54) 2-Hexanone	8.690	43	1422	0.226	ug/l #	62
64) m/p-Xylenes	9.693	106	160	0.881	ug/l #	1
66) Styrene	10.118	104	156	0.492	ug/l #	10
69) Isopropylbenzene	10.484	105	429	0.479	ug/l #	50
71) 1,2,3-Trichloropropane	10.636	75	5657	0.445	ug/l #	39
75) 1,3,5-Trimethylbenzene	11.095	105	326	0.481	ug/l #	30
76) 4-Chlorotoluene	11.102	126	69	0.381	ug/l	1
78) 1,2,4-Trimethylbenzene	11.468	105	526	0.501	ug/l #	55
79) sec-Butylbenzene	11.636	105	504	0.444	ug/l #	58
80) Nitrobenzene	13.227	77	760	0.668	ug/l #	58
81) p-Isopropyltoluene	11.793	119	471	0.552	ug/l #	60
84) n-Butylbenzene	12.217	91	1024	0.598	ug/l #	95
87) 1,2,4-Trichlorobenzene	13.844	180	967	0.425	ug/l #	93
89) Naphthalene	14.092	128	5809	0.209	ug/l #	91
90) 1,2,3-Trichlorobenzene	14.333	180	1145	0.406	ug/l #	84

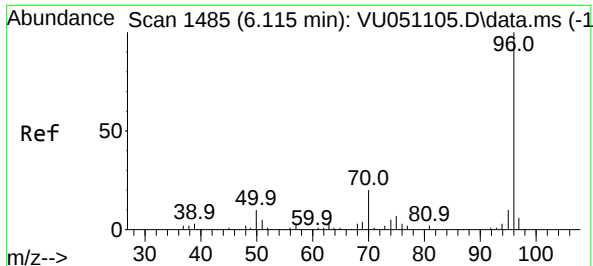
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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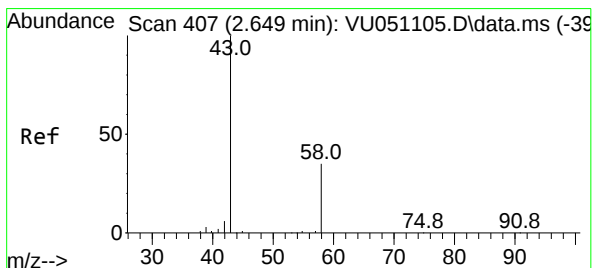
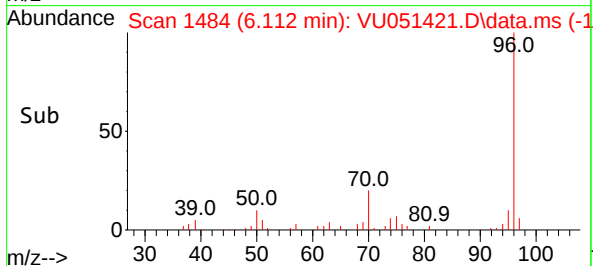
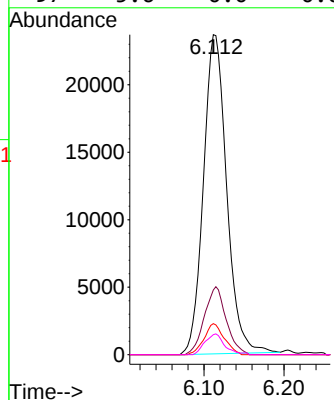
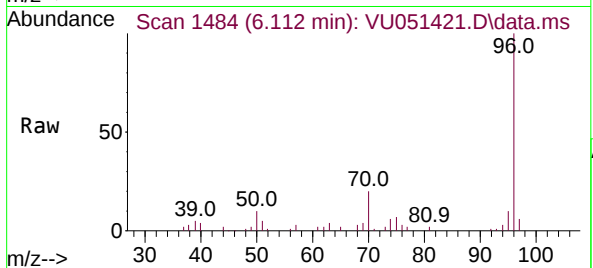




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

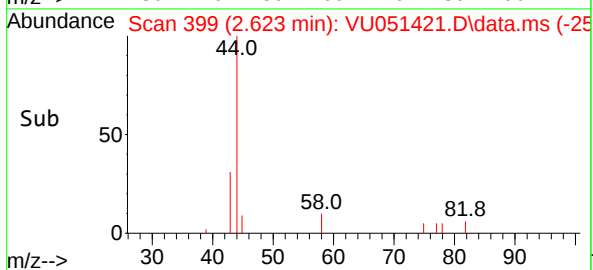
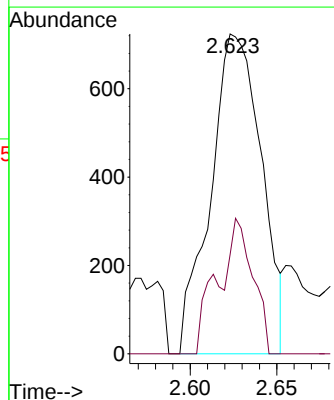
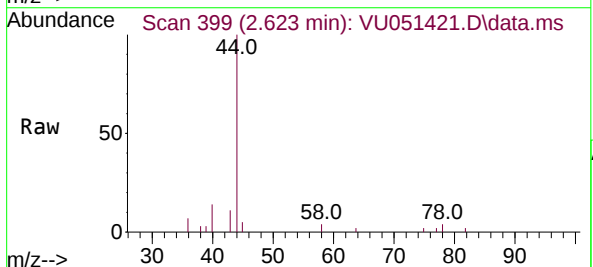
Instrument :
MSVOA_U
ClientSampleId :
VU1014WBL01

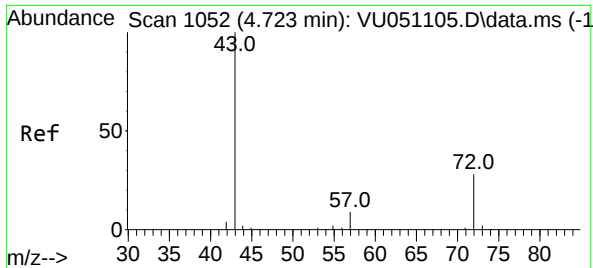
Tgt Ion: 96 Resp: 47753
Ion Ratio Lower Upper
96 100
70 19.9 16.7 25.1
95 8.4 7.4 11.0
97 5.6 0.0 0.0#



#13
Acetone
Concen: Below Cal
RT: 2.623 min Scan# 399
Delta R.T. -0.026 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

Tgt Ion: 43 Resp: 1477
Ion Ratio Lower Upper
43 100
58 31.1 26.2 39.2

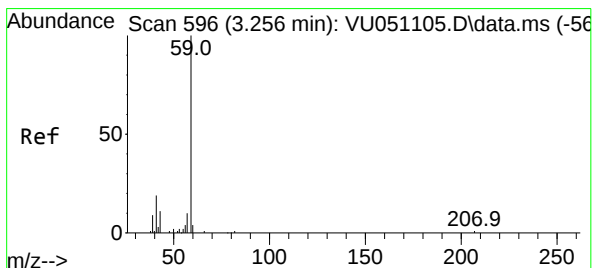
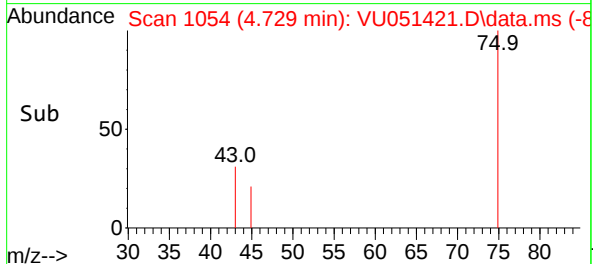
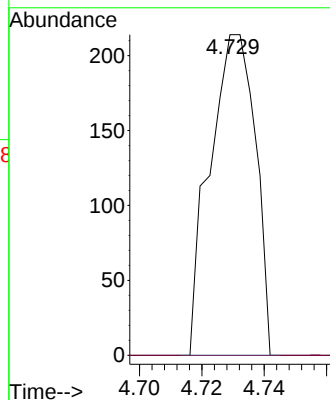
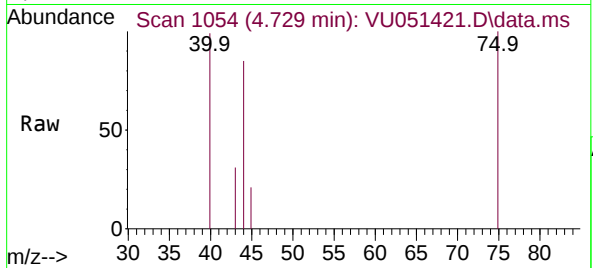




#18
2-Butanone
Concen: Below Cal
RT: 4.729 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

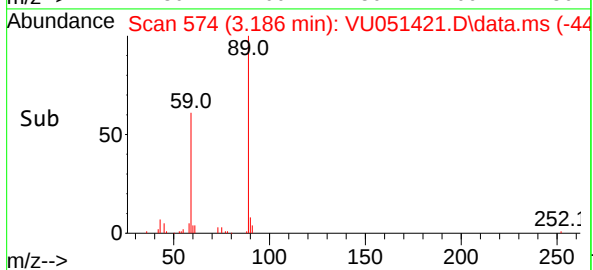
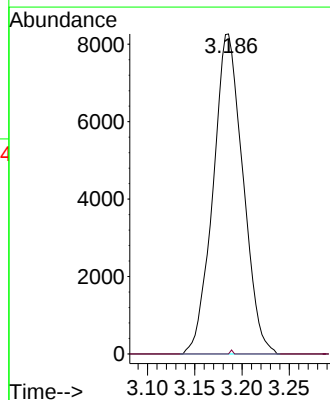
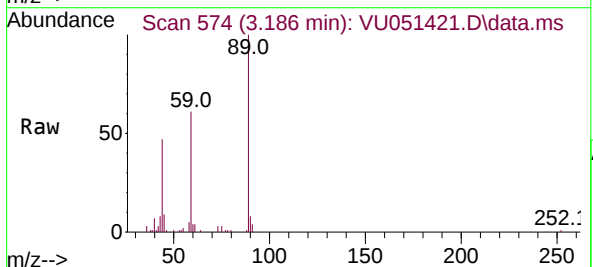
Instrument :
MSVOA_U
ClientSampleId :
VU1014WBL01

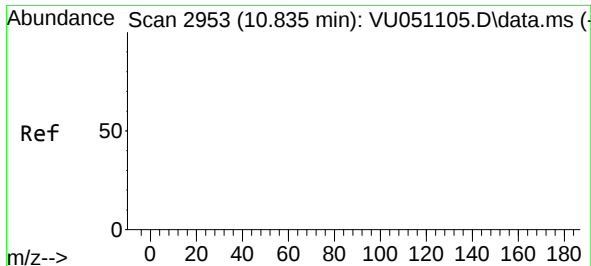
Tgt Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
57 0.0 0.0 18.0



#24
tert-Butyl Alcohol
Concen: 31.421 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.071 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

Tgt Ion: 59 Resp: 18156
Ion Ratio Lower Upper
59 100
57 0.1 8.2 12.2#

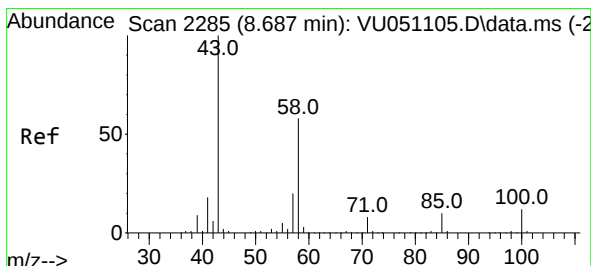
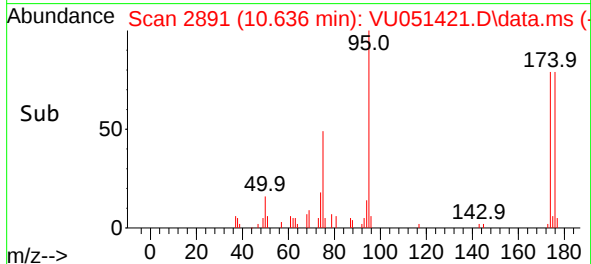
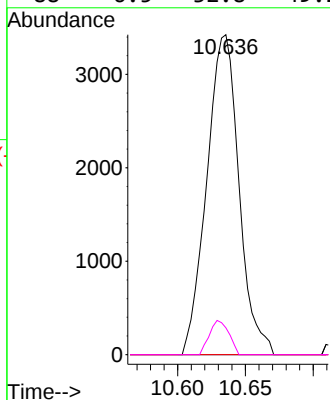
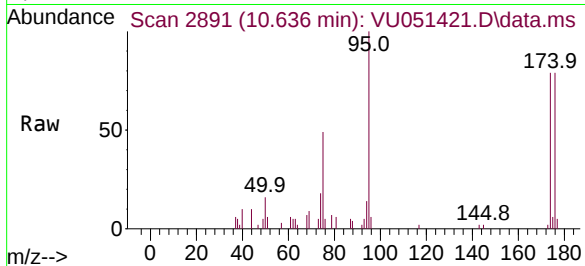




#46
t-1,4-Dichloro-2-butene
Concen: 1.928 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.199 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

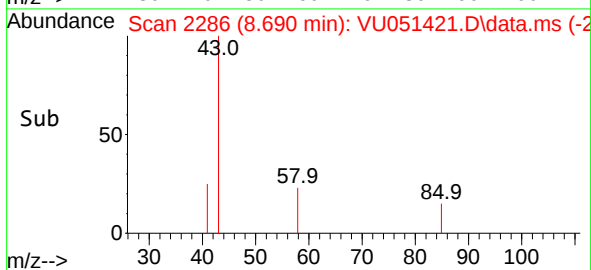
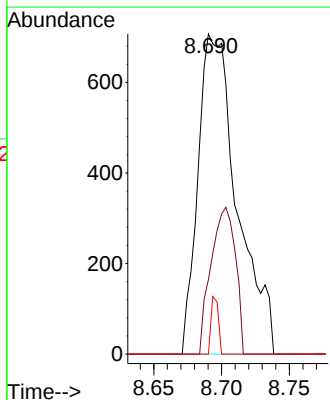
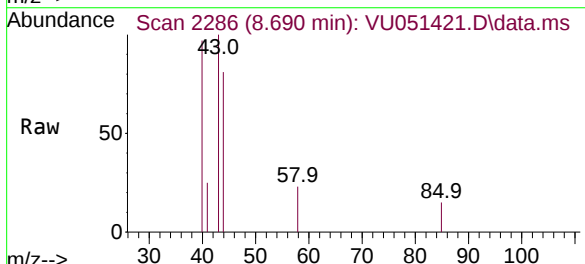
Instrument :
MSVOA_U
ClientSampleId :
VU1014WBL01

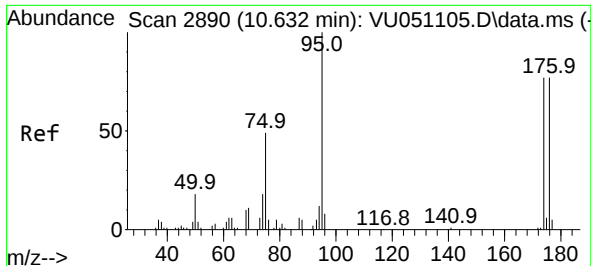
Tgt Ion:	75	Resp:	5657
Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.4	96.6#
89	0.0	44.2	66.2#
88	6.5	32.8	49.2#



#54
2-Hexanone
Concen: 0.226 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.003 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

Tgt Ion:	43	Resp:	1422
Ion	Ratio	Lower	Upper
43	100		
58	28.5	37.1	77.1#
57	3.3	0.0	39.5

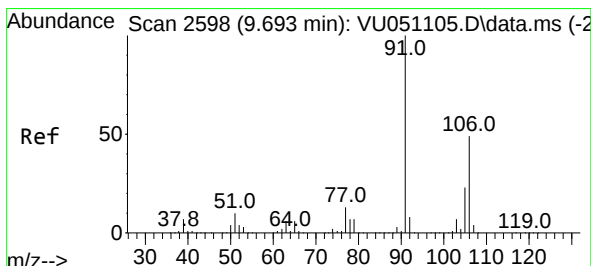
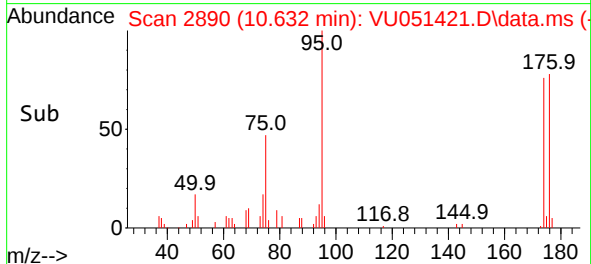
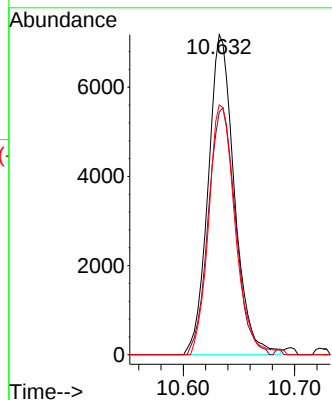
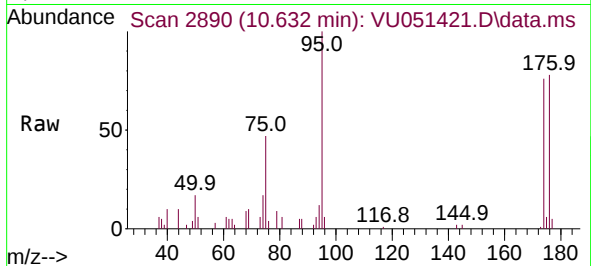




#57
4-Bromofluorobenzene
Concen: 0.747 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

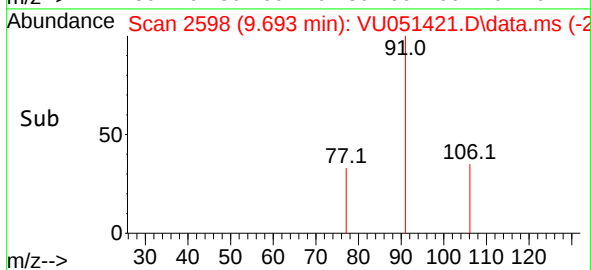
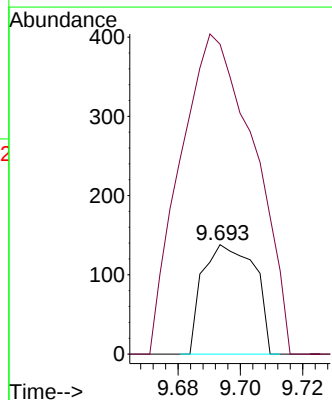
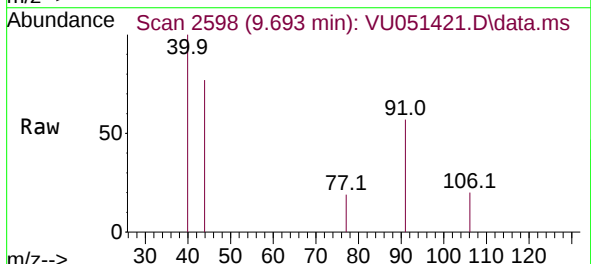
Instrument :
MSVOA_U
ClientSampleId :
VU1014WBL01

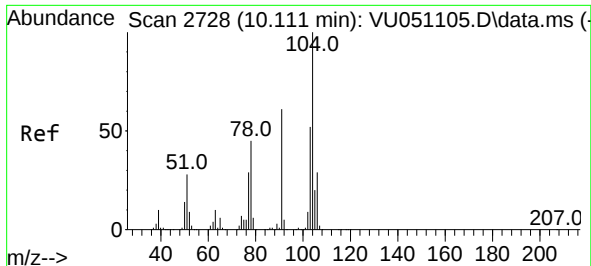
Tgt Ion: 95 Resp: 11723
Ion Ratio Lower Upper
95 100
174 79.9 62.4 93.6
176 79.1 56.2 84.2



#64
m/p-Xylenes
Concen: 0.881 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

Tgt Ion: 106 Resp: 160
Ion Ratio Lower Upper
106 100
91 415.0 167.8 251.6#

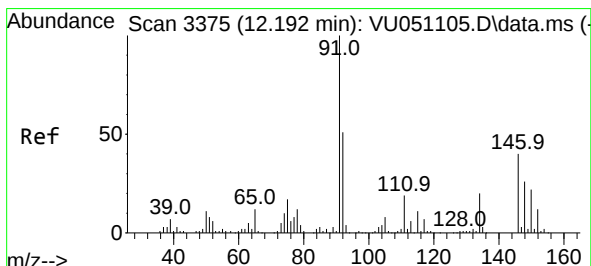
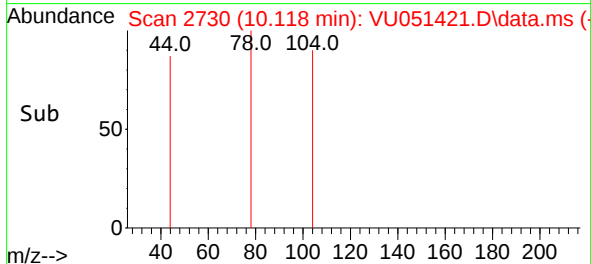
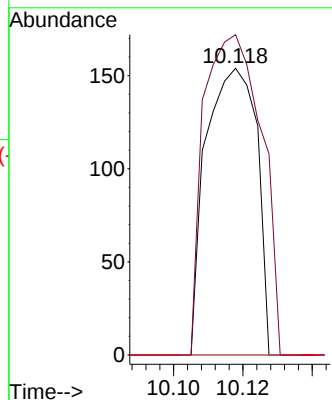
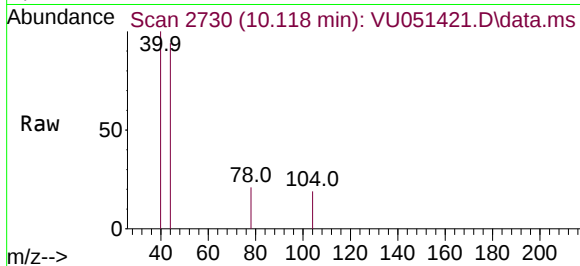




#66
Styrene
Concen: 0.492 ug/l
RT: 10.118 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

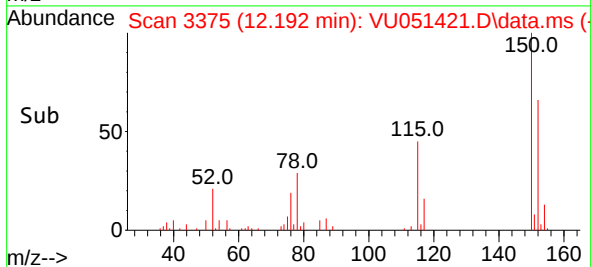
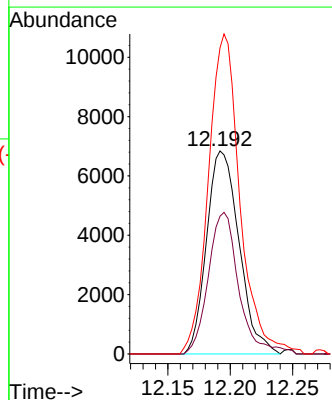
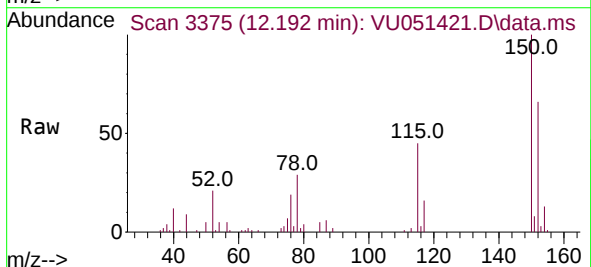
Instrument :
MSVOA_U
ClientSampleId :
VU1014WBL01

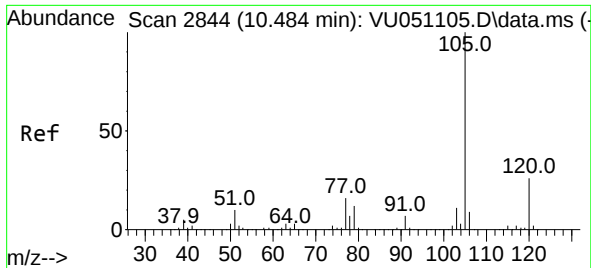
Tgt Ion:104 Resp: 156
Ion Ratio Lower Upper
104 100
78 126.3 42.1 63.1#
103 0.0 44.5 66.7#



#68
1,2-Dichlorobenzene-d4
Concen: 0.711 ug/l
RT: 12.192 min Scan# 3375
Delta R.T. -0.000 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

Tgt Ion:152 Resp: 12409
Ion Ratio Lower Upper
152 100
115 65.3 0.0 254.6
150 153.3 0.0 623.6

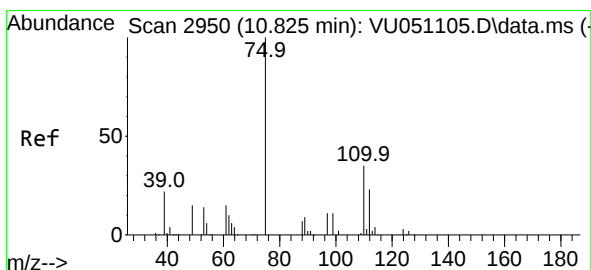
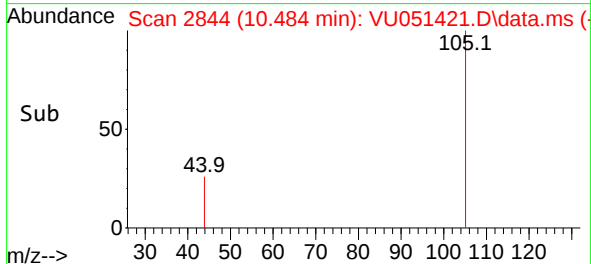
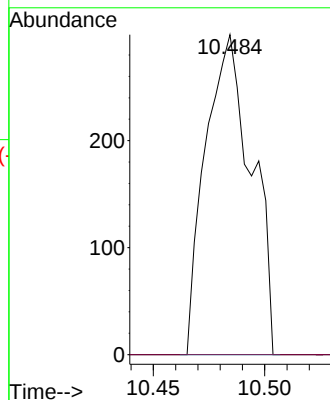
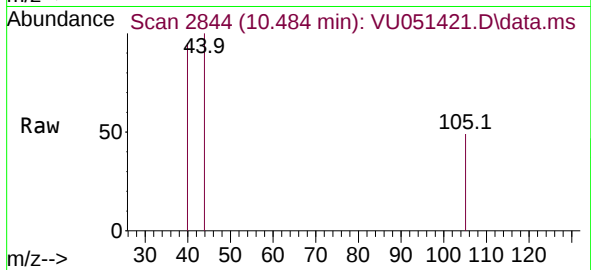




#69
Isopropylbenzene
Concen: 0.479 ug/l
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

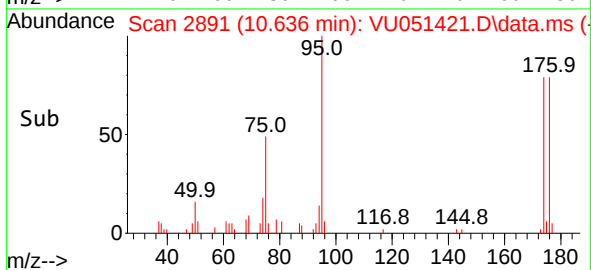
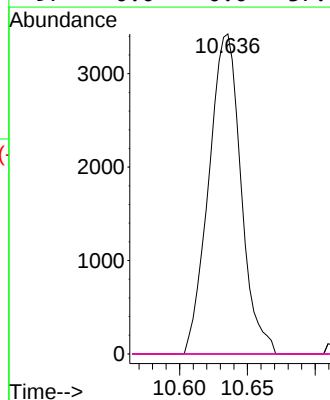
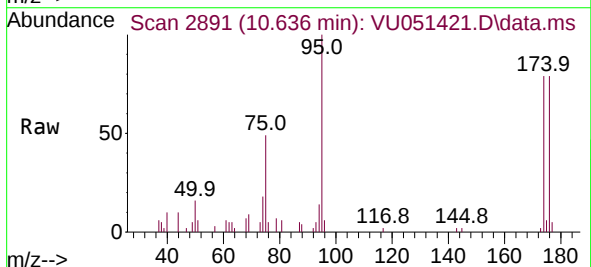
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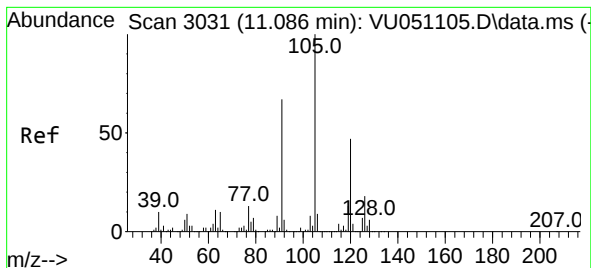
Tgt Ion:105 Resp: 429
Ion Ratio Lower Upper
105 100
120 0.0 12.6 37.8#



#71
1,2,3-Trichloropropane
Concen: 0.445 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

Tgt Ion: 75 Resp: 5657
Ion Ratio Lower Upper
75 100
77 6.5 0.0 112.4
110 0.0 0.0 70.6
97 0.0 0.0 37.4





#75

1,3,5-Trimethylbenzene

Concen: 0.481 ug/l

RT: 11.095 min Scan# 3034

Delta R.T. 0.009 min

Lab File: VU051421.D

Acq: 14 Oct 2022 12:51

Instrument :

MSVOA_U

ClientSampleId :

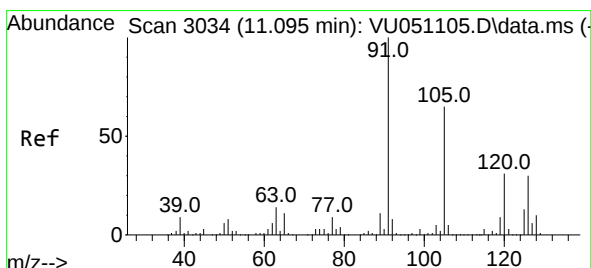
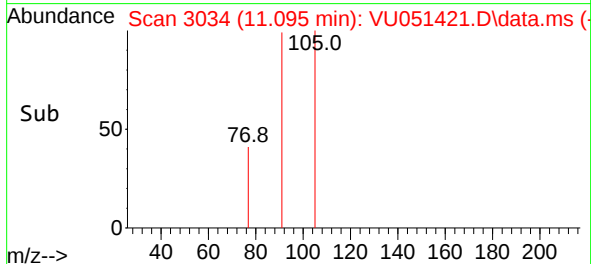
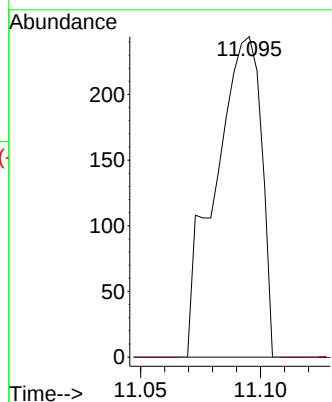
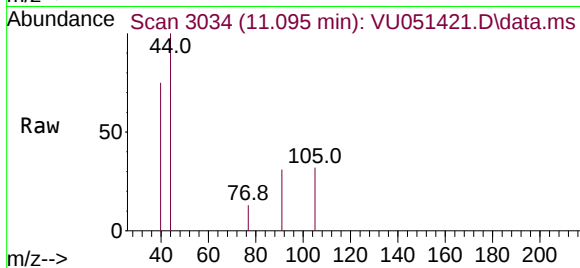
VU1014WBL01

Tgt Ion:105 Resp: 326

Ion Ratio Lower Upper

105 100

120 0.0 37.6 56.4#



#76

4-Chlorotoluene

Concen: 0.381 ug/l

RT: 11.102 min Scan# 3036

Delta R.T. 0.007 min

Lab File: VU051421.D

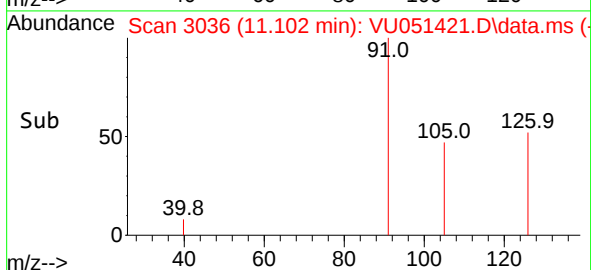
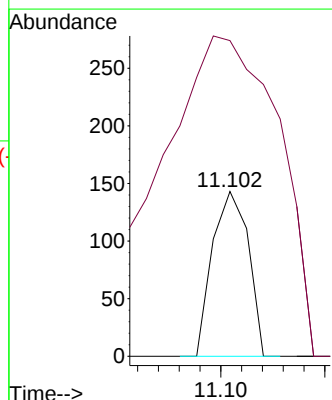
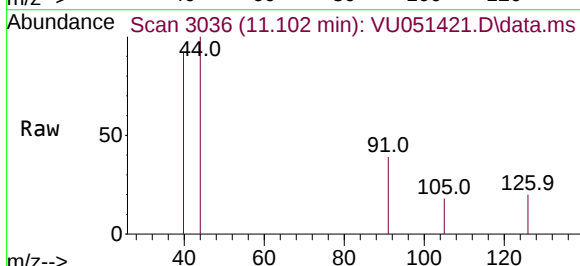
Acq: 14 Oct 2022 12:51

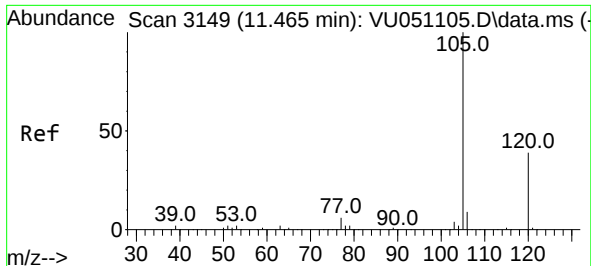
Tgt Ion:126 Resp: 69

Ion Ratio Lower Upper

126 100

91 626.1 0.0 738.8





#78

1,2,4-Trimethylbenzene

Concen: 0.501 ug/l

RT: 11.468 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU051421.D

Acq: 14 Oct 2022 12:51

Instrument :

MSVOA_U

ClientSampleId :

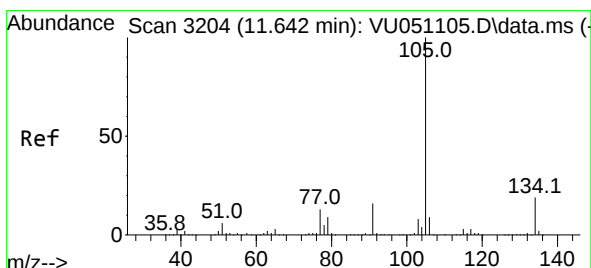
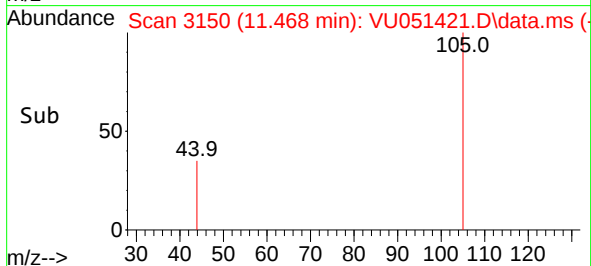
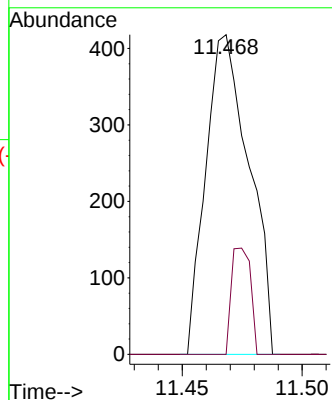
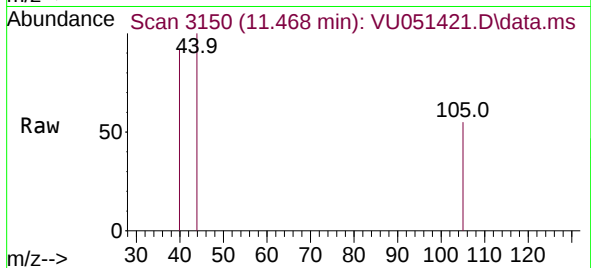
VU1014WBL01

Tgt Ion:105 Resp: 526

Ion Ratio Lower Upper

105 100

120 14.6 21.6 65.0#



#79

sec-Butylbenzene

Concen: 0.444 ug/l

RT: 11.636 min Scan# 3202

Delta R.T. -0.006 min

Lab File: VU051421.D

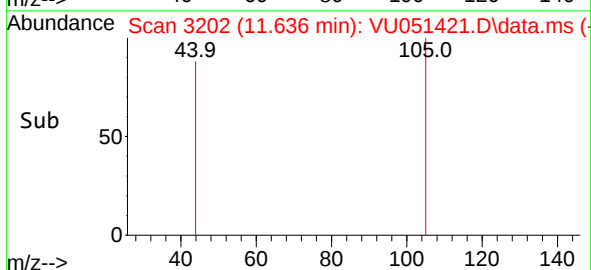
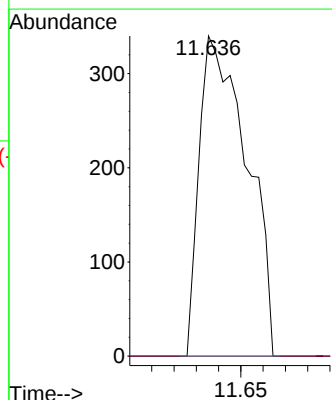
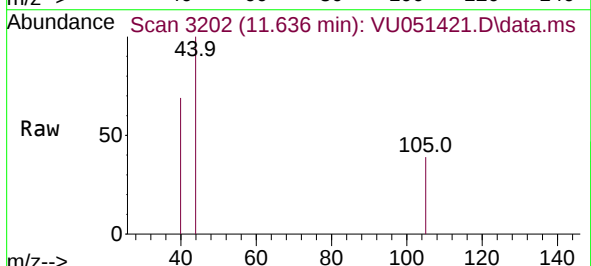
Acq: 14 Oct 2022 12:51

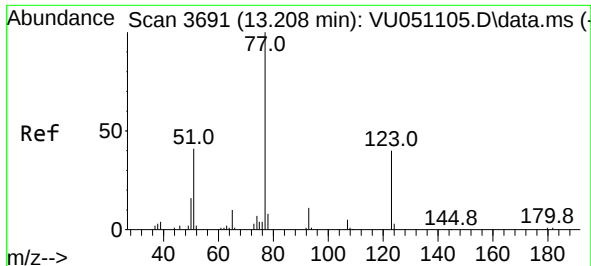
Tgt Ion:105 Resp: 504

Ion Ratio Lower Upper

105 100

134 0.0 15.4 23.0#

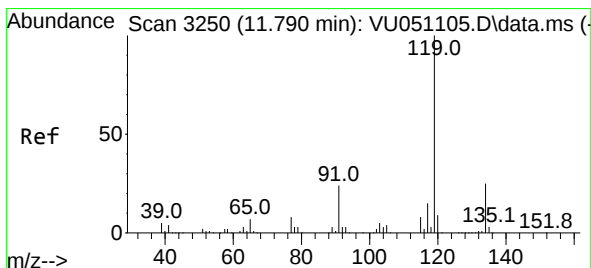
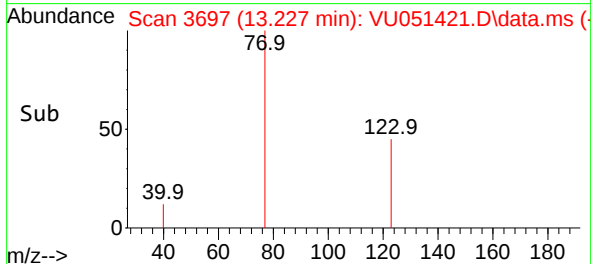
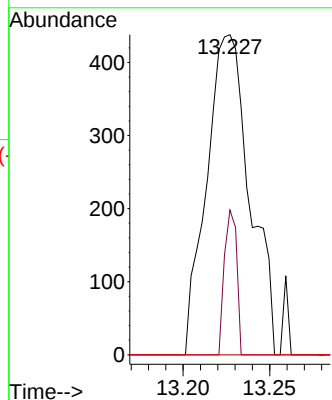
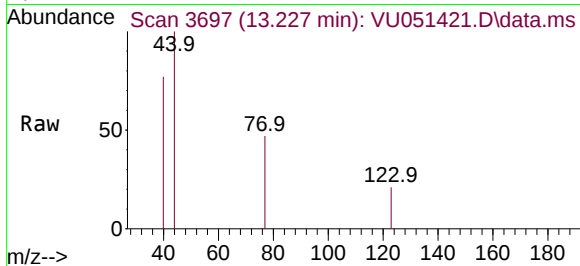




#80
Nitrobenzene
Concen: 0.668 ug/l
RT: 13.227 min Scan# 3697
Delta R.T. 0.019 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

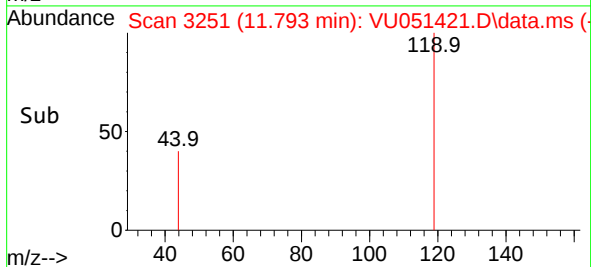
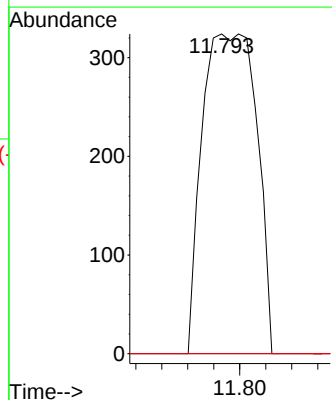
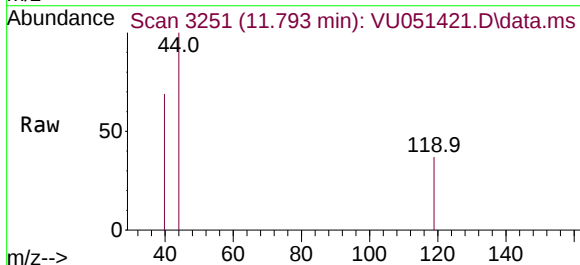
Instrument :
MSVOA_U
ClientSampleId :
VU1014WBL01

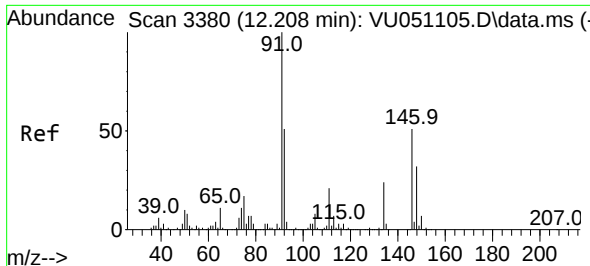
Tgt Ion: 77 Resp: 760
Ion Ratio Lower Upper
77 100
123 12.9 18.1 64.3#
65 0.0 10.8 13.8#



#81
p-Isopropyltoluene
Concen: 0.552 ug/l
RT: 11.793 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

Tgt Ion: 119 Resp: 471
Ion Ratio Lower Upper
119 100
134 0.0 20.5 30.7#
91 10.2 19.8 29.6#

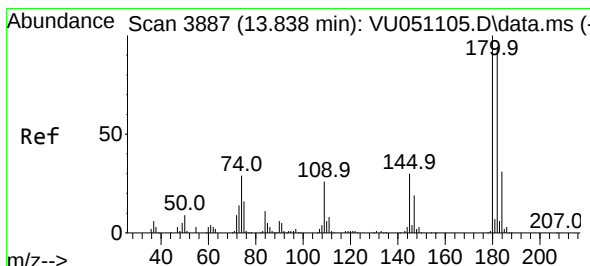
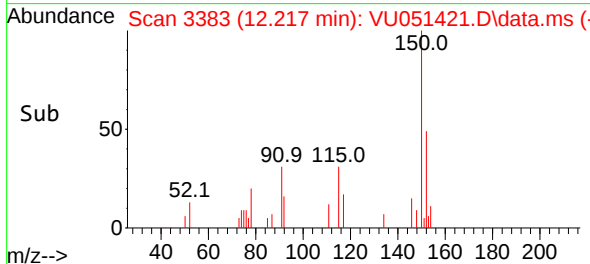
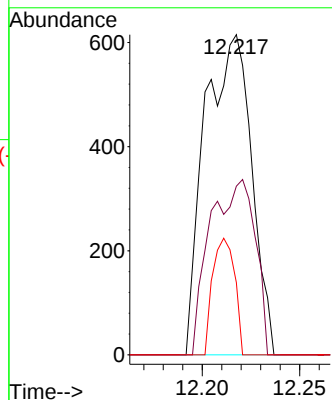
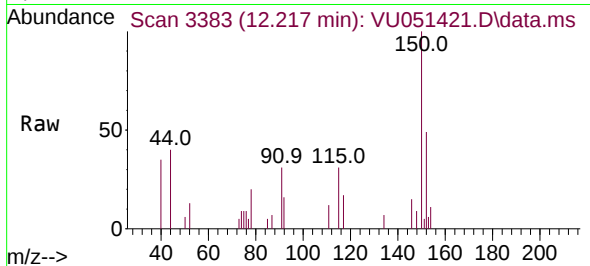




#84
n-Butylbenzene
Concen: 0.598 ug/l
RT: 12.217 min Scan# 31
Delta R.T. 0.009 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

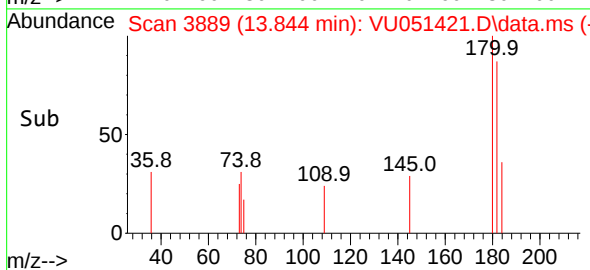
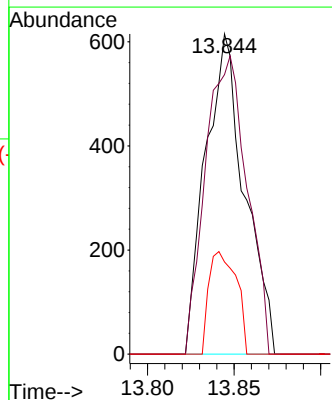
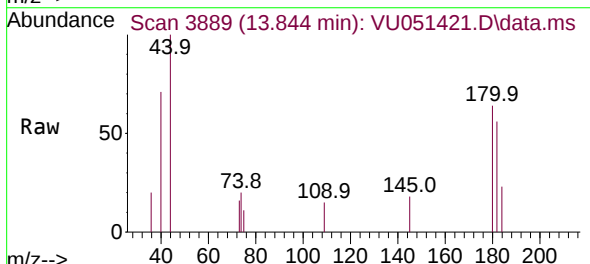
Instrument :
MSVOA_U
ClientSampleId :
VU1014WBL01

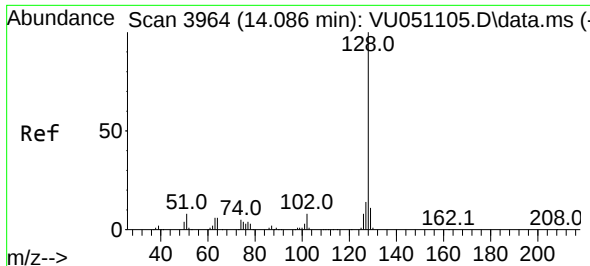
Tgt Ion: 91 Resp: 1024
Ion Ratio Lower Upper
91 100
92 52.9 42.3 63.5
134 17.1 19.6 29.4#



#87
1,2,4-Trichlorobenzene
Concen: 0.425 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.006 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

Tgt Ion:180 Resp: 967
Ion Ratio Lower Upper
180 100
182 99.5 77.0 115.6
145 22.4 25.7 38.5#

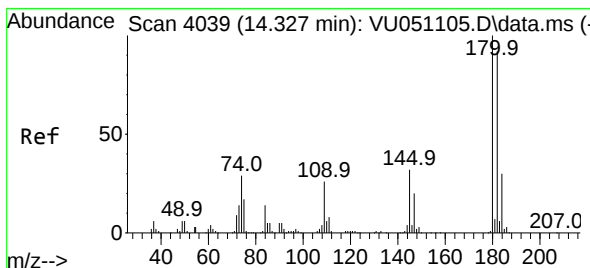
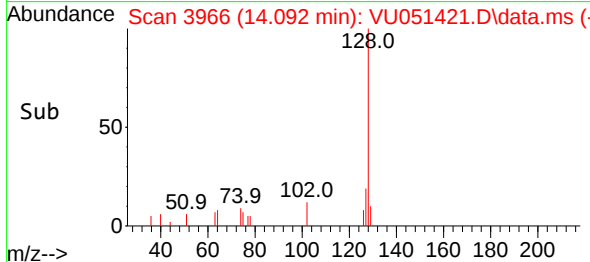
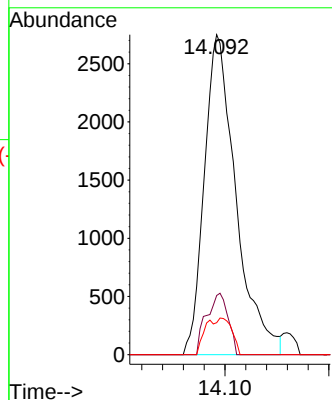
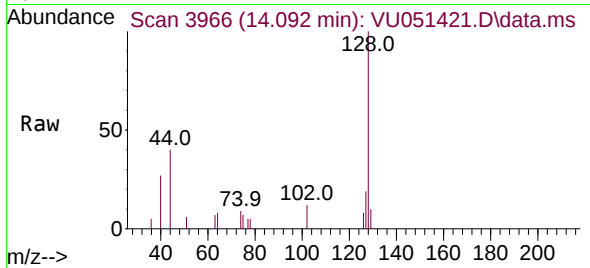




#89
Naphthalene
Concen: 0.209 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

Instrument :
MSVOA_U
ClientSampleId :
VU1014WBL01

Tgt Ion:128	Resp:	5809
Ion Ratio	Lower	Upper
128	100	
127	13.1	10.1 15.1
129	3.8	8.6 12.8#



#90
1,2,3-Trichlorobenzene
Concen: 0.406 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.006 min
Lab File: VU051421.D
Acq: 14 Oct 2022 12:51

Tgt Ion:180	Resp:	1145
Ion Ratio	Lower	Upper
180	100	
182	116.6	76.6 114.8#
145	34.5	27.3 40.9

