

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
 Data File : VU050393.D
 Acq On : 22 Aug 2022 11:24
 Operator : SY/MD
 Sample : VU0822WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0822WBL01

Quant Time: Aug 23 08:20:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 23 08:18:20 2022
 Response via : Initial Calibration

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

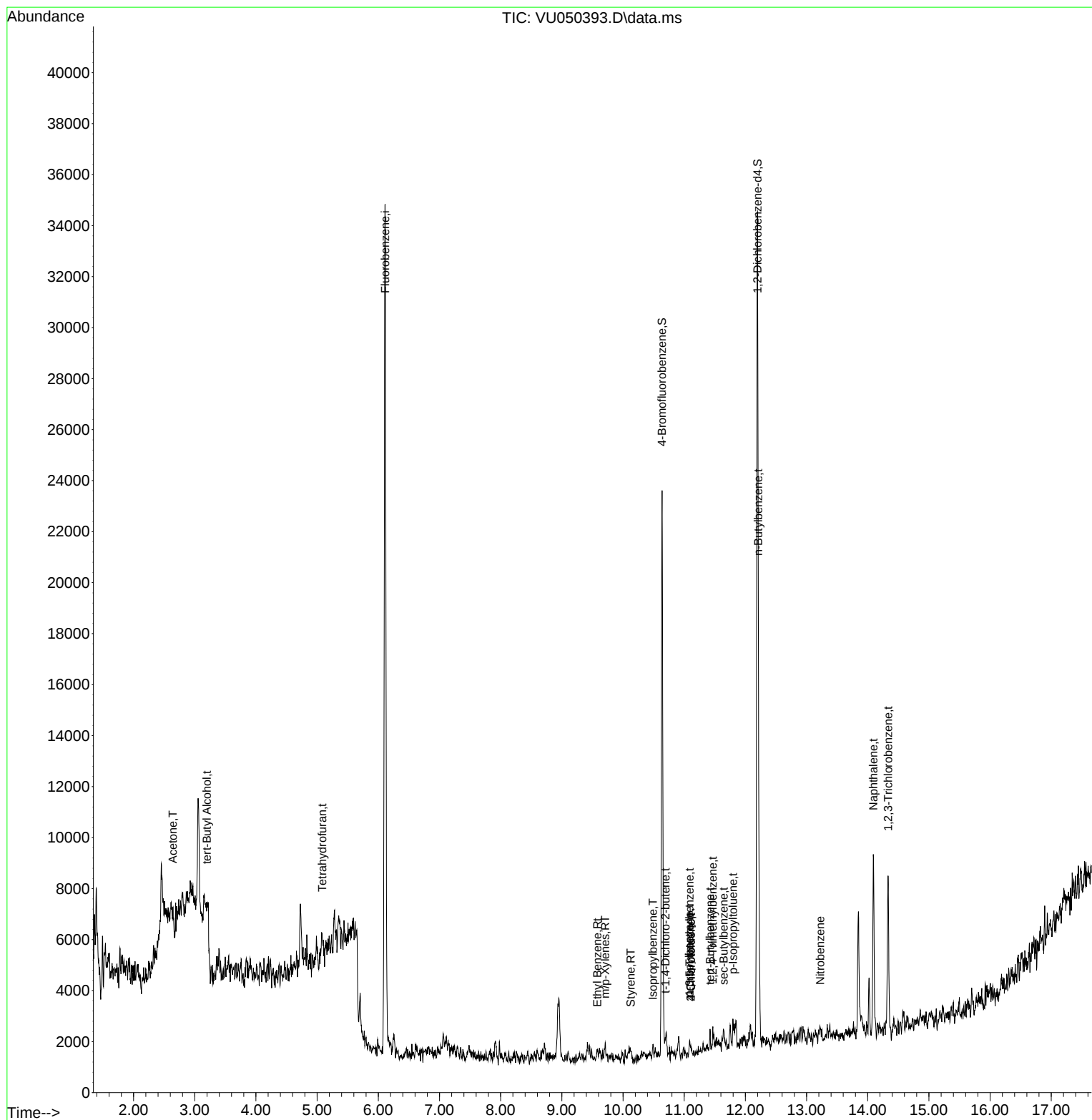
Internal Standards						
1) Fluorobenzene	6.112	96	31503	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	8078	0.753	ug/l	0.00
Spiked Amount 1.000			Recovery	=	75.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	9837	0.776	ug/l	0.00
Spiked Amount 1.000			Recovery	=	78.000%	
Target Compounds						
						Qvalue
13) Acetone	2.642	43	802	0.412	ug/l	# 36
24) tert-Butyl Alcohol	3.199	59	354	0.420	ug/l	# 73
41) Tetrahydrofuran	5.083	42	468	0.252	ug/l	# 31
46) t-1,4-Dichloro-2-butene	10.697	75	226	0.589	ug/l	# 20
63) Ethyl Benzene	9.581	91	296	0.576	ug/l	# 44
64) m/p-Xylenes	9.710	106	194	1.094	ug/l	# 65
66) Styrene	10.124	104	280	0.609	ug/l	# 25
69) Isopropylbenzene	10.488	105	331	0.577	ug/l	# 50
73) n-propylbenzene	11.086	120	19	0.594	ug/l	# 1
74) 2-Chlorotoluene	11.108	126	22	0.392	ug/l	# 1
75) 1,3,5-Trimethylbenzene	11.089	105	427	0.534	ug/l	# 36
76) 4-Chlorotoluene	11.108	126	22	0.403	ug/l	# 1
77) tert-Butylbenzene	11.423	119	294	0.501	ug/l	# 65
78) 1,2,4-Trimethylbenzene	11.465	105	325	0.573	ug/l	# 94
79) sec-Butylbenzene	11.645	105	728	0.562	ug/l	# 86
80) Nitrobenzene	13.224	77	270	0.437	ug/l	# 42
81) p-Isopropyltoluene	11.796	119	649	0.620	ug/l	# 73
84) n-Butylbenzene	12.211	91	2344	0.644	ug/l	# 97
89) Naphthalene	14.092	128	6360	1.149	ug/l	# 96
90) 1,2,3-Trichlorobenzene	14.333	180	2410	0.650	ug/l	# 95

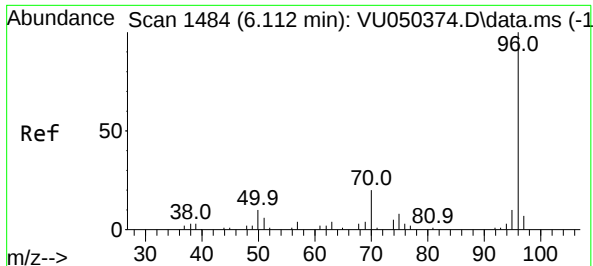
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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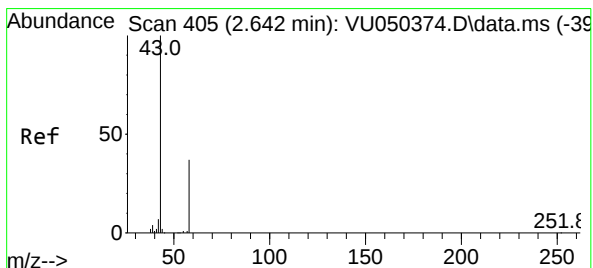
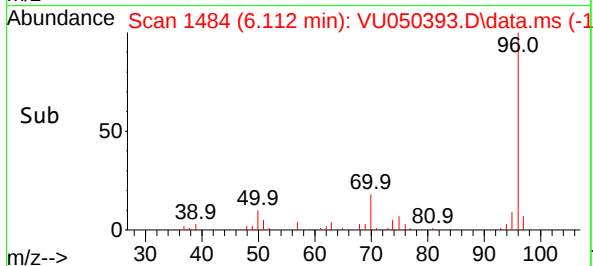
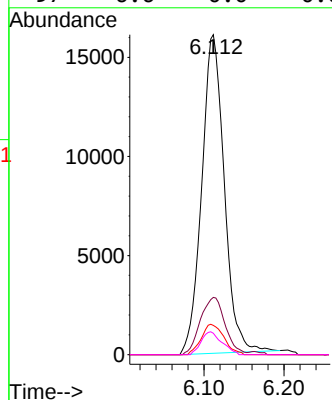
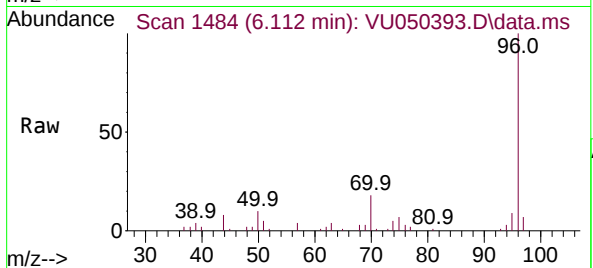




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 1484
Delta R.T. -0.003 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

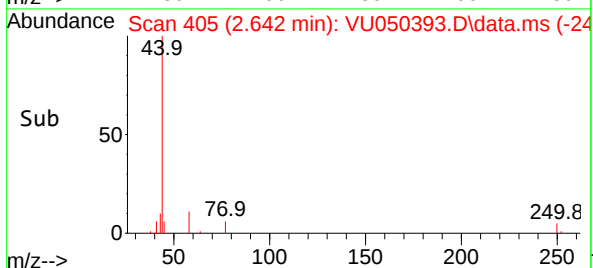
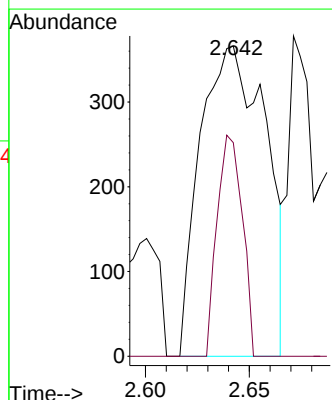
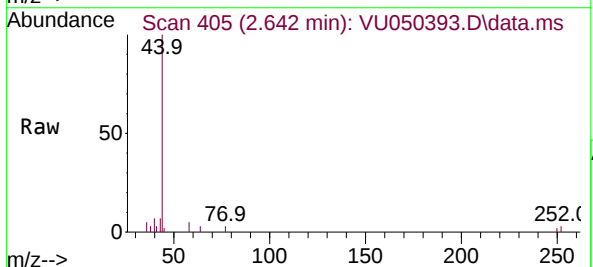
Instrument :
MSVOA_U
ClientSampleId :
VU0822WBL01

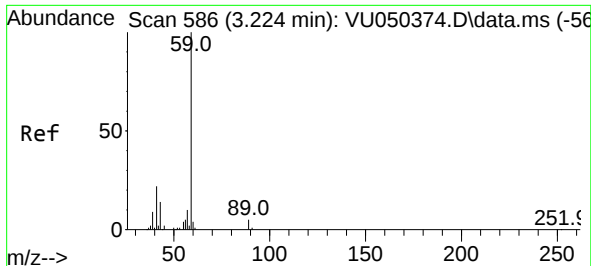
Tgt Ion: 96	Resp: 31503
Ion Ratio	Lower Upper
96 100	
70 18.9	16.7 25.1
95 9.6	7.4 11.0
97 6.6	0.0 0.0



#13
Acetone
Concen: 0.412 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.016 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

Tgt Ion: 43	Resp: 802
Ion Ratio	Lower Upper
43 100	
58 68.9	26.2 39.2

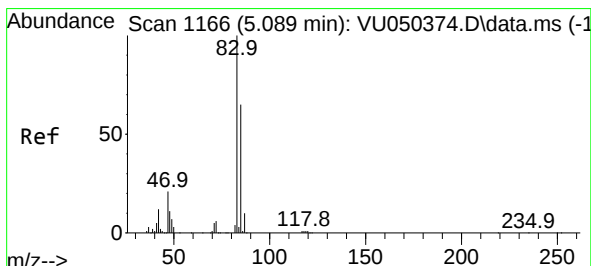
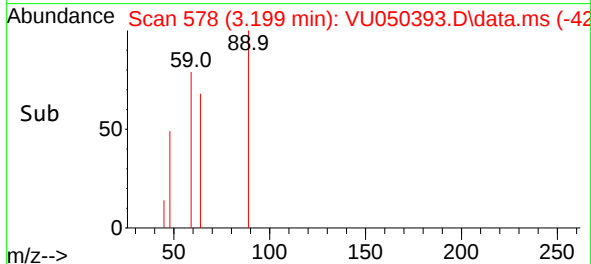
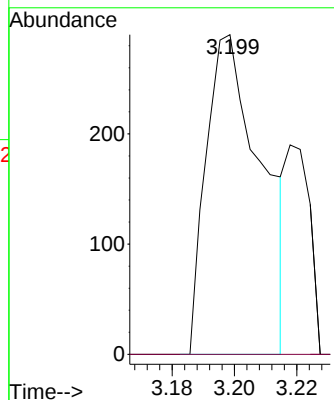
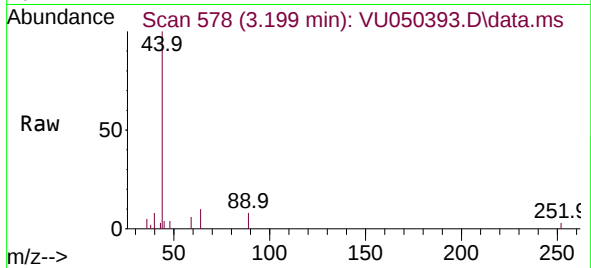




#24
tert-Butyl Alcohol
Concen: 0.420 ug/l
RT: 3.199 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

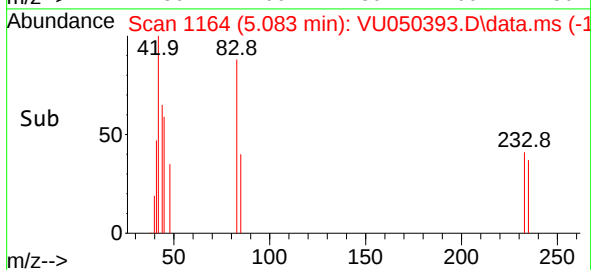
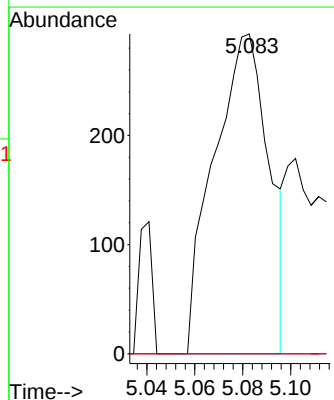
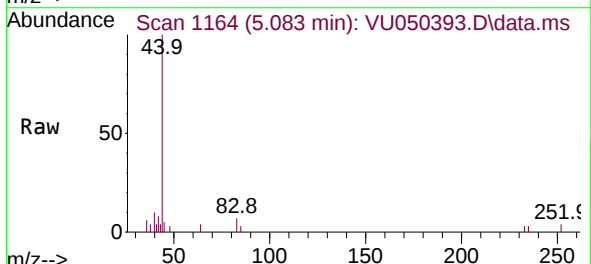
Instrument :
MSVOA_U
ClientSampleId :
VU0822WBL01

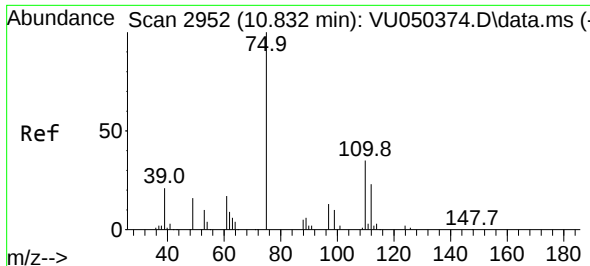
Tgt Ion: 59 Resp: 354
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#41
Tetrahydrofuran
Concen: 0.252 ug/l
RT: 5.083 min Scan# 1164
Delta R.T. 0.016 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

Tgt Ion: 42 Resp: 468
Ion Ratio Lower Upper
42 100
72 0.0 38.9 58.3#
71 0.0 33.7 50.5#

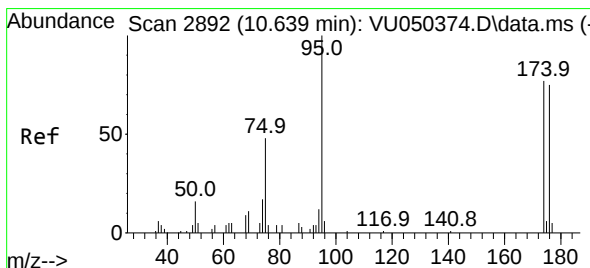
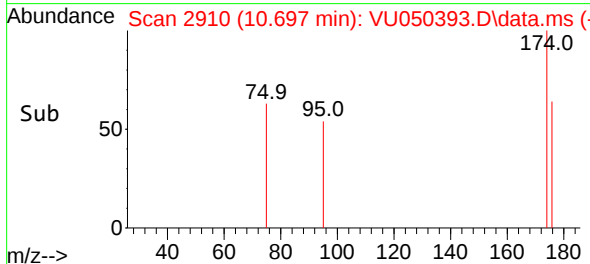
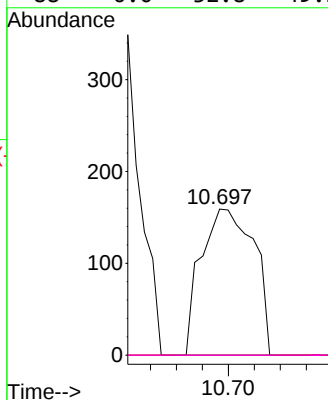
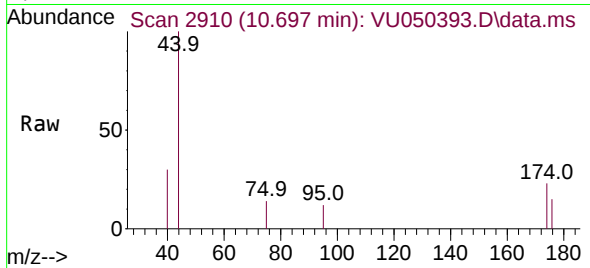




#46
t-1,4-Dichloro-2-butene
Concen: 0.589 ug/l
RT: 10.697 min Scan# 2910
Delta R.T. -0.135 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

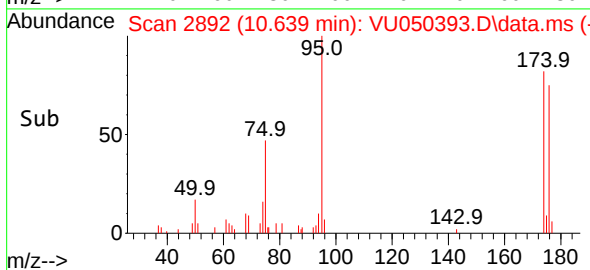
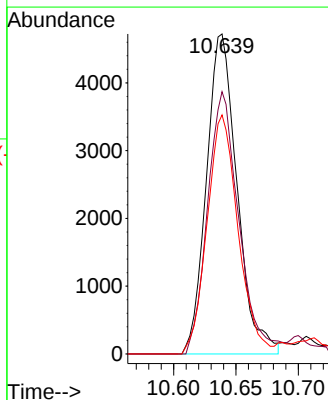
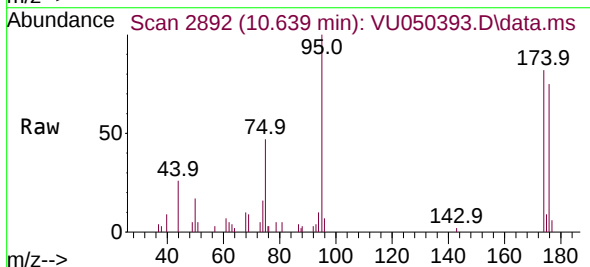
Instrument :
MSVOA_U
ClientSampleId :
VU0822WBL01

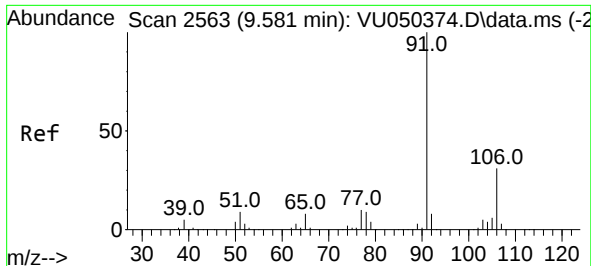
Tgt Ion: 75	Resp:	226
Ion	Ratio	Lower Upper
75	100	
53	0.0	64.4 96.6#
89	0.0	44.2 66.2#
88	0.0	32.8 49.2#



#57
4-Bromofluorobenzene
Concen: 0.753 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.007 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

Tgt Ion: 95	Resp:	8078
Ion	Ratio	Lower Upper
95	100	
174	84.0	62.4 93.6
176	75.6	56.2 84.2

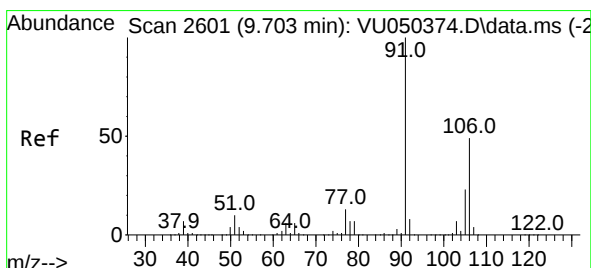
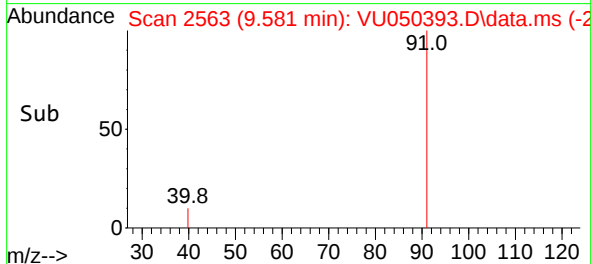
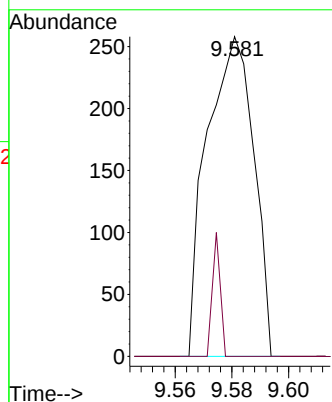
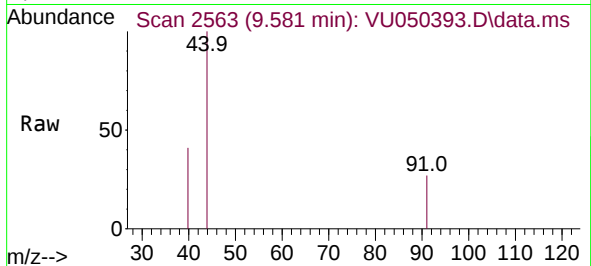




#63
Ethyl Benzene
Concen: 0.576 ug/l
RT: 9.581 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

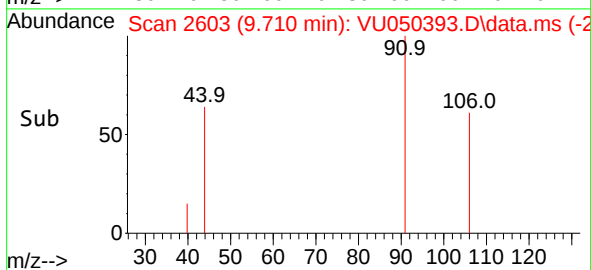
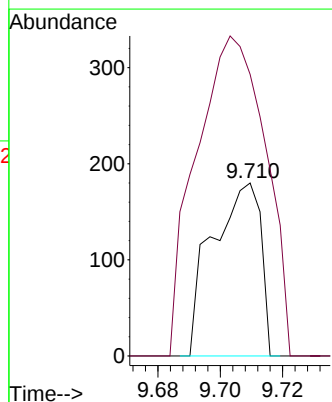
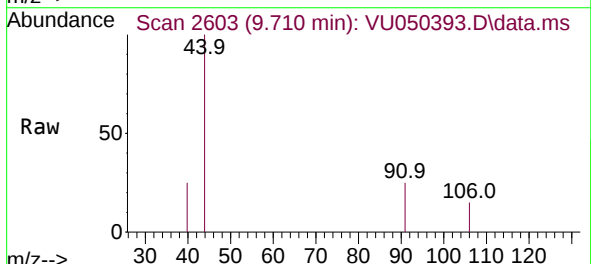
Instrument :
MSVOA_U
ClientSampleId :
VU0822WBL01

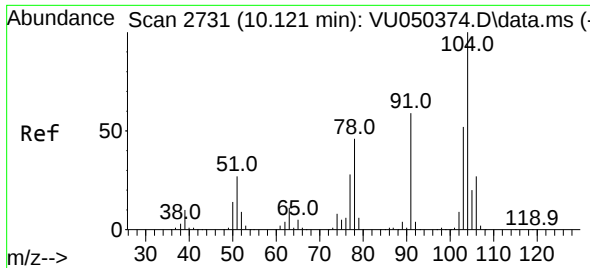
Tgt Ion: 91 Resp: 296
Ion Ratio Lower Upper
91 100
106 0.0 24.4 36.6#



#64
m/p-Xylenes
Concen: 1.094 ug/l
RT: 9.710 min Scan# 2603
Delta R.T. 0.016 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

Tgt Ion: 106 Resp: 194
Ion Ratio Lower Upper
106 100
91 264.4 167.8 251.6#

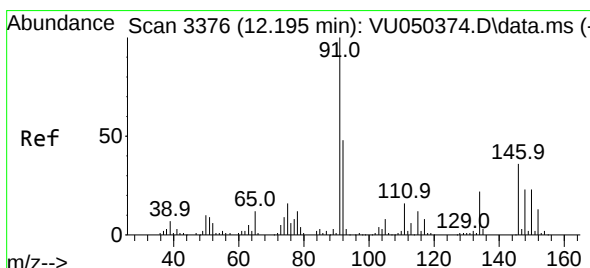
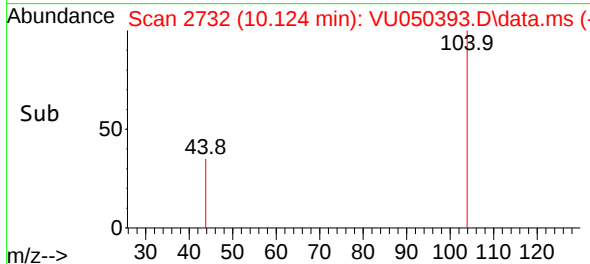
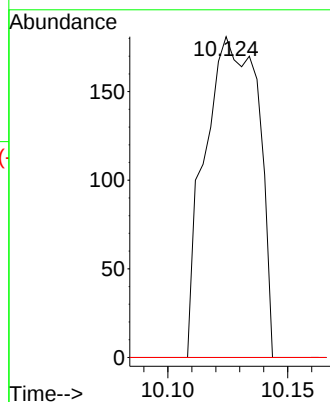
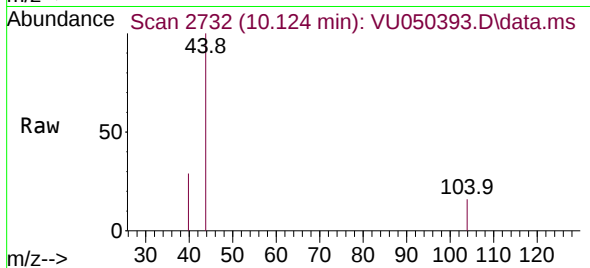




#66
Styrene
Concen: 0.609 ug/l
RT: 10.124 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

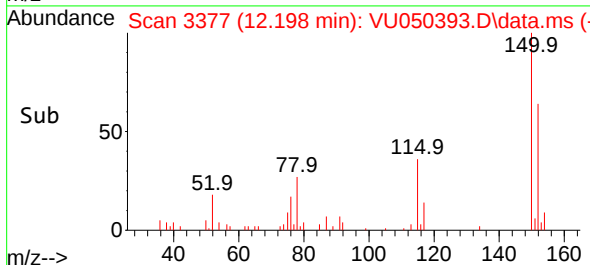
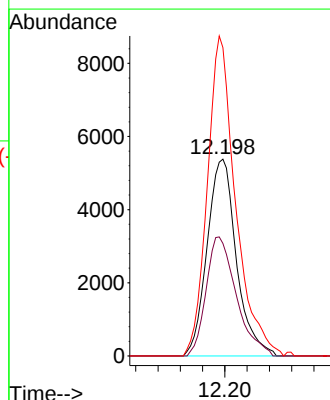
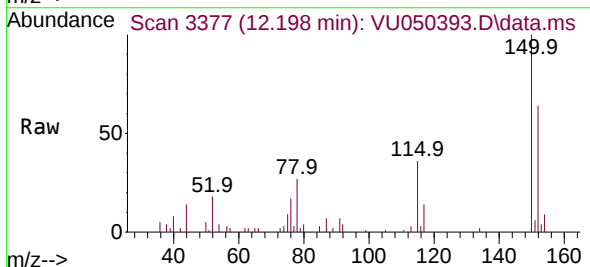
Instrument :
MSVOA_U
ClientSampleId :
VU0822WBL01

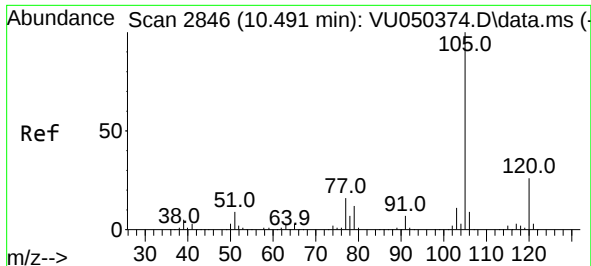
Tgt Ion:104 Resp: 280
Ion Ratio Lower Upper
104 100
78 0.0 42.1 63.1#
103 0.0 44.5 66.7#



#68
1,2-Dichlorobenzene-d4
Concen: 0.776 ug/l
RT: 12.198 min Scan# 3377
Delta R.T. 0.003 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

Tgt Ion:152 Resp: 9837
Ion Ratio Lower Upper
152 100
115 62.3 0.0 254.6
150 156.5 0.0 623.6





#69

Isopropylbenzene

Concen: 0.577 ug/l

RT: 10.488 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU050393.D

Acq: 22 Aug 2022 11:24

Instrument :

MSVOA_U

ClientSampleId :

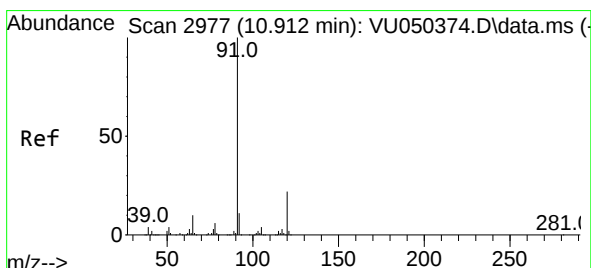
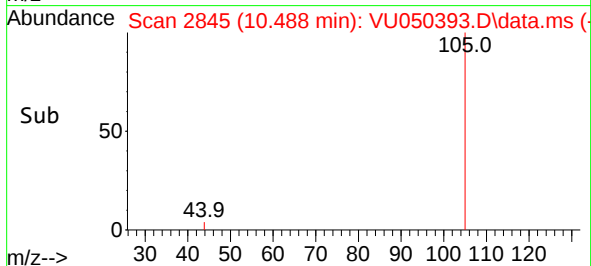
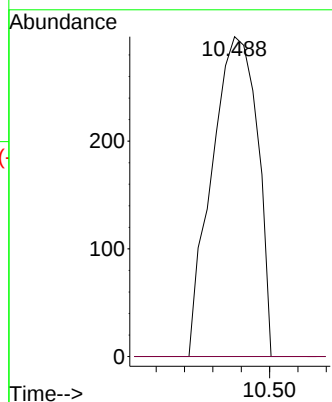
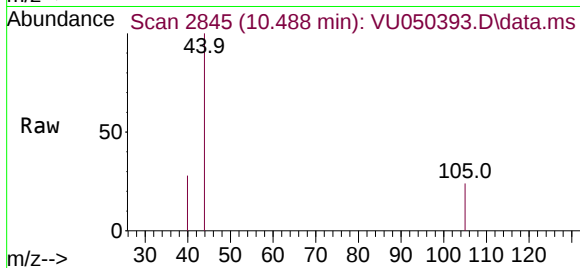
VU0822WBL01

Tgt Ion:105 Resp: 331

Ion Ratio Lower Upper

105 100

120 0.0 12.6 37.8#



#73

n-propylbenzene

Concen: 0.594 ug/l

RT: 11.086 min Scan# 3031

Delta R.T. 0.180 min

Lab File: VU050393.D

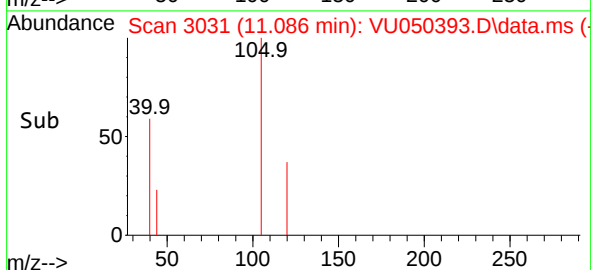
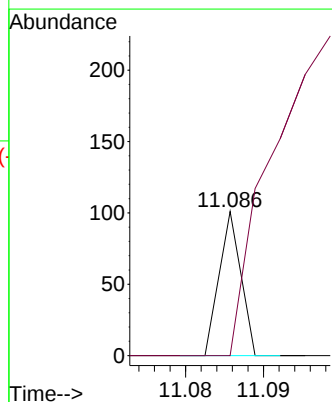
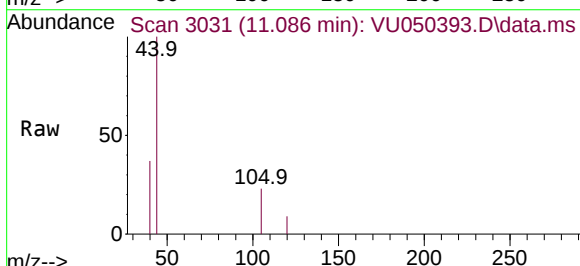
Acq: 22 Aug 2022 11:24

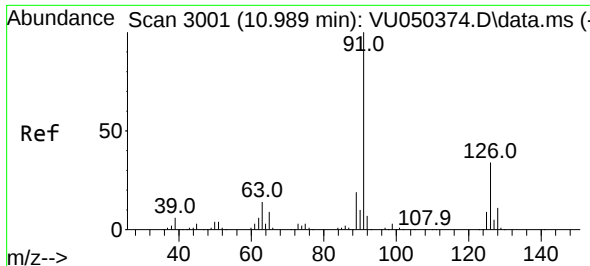
Tgt Ion:120 Resp: 19

Ion Ratio Lower Upper

120 100

91 2152.6 367.8 551.6#

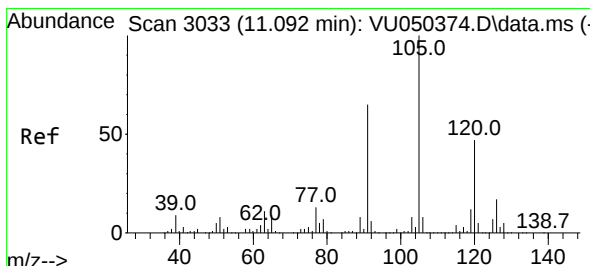
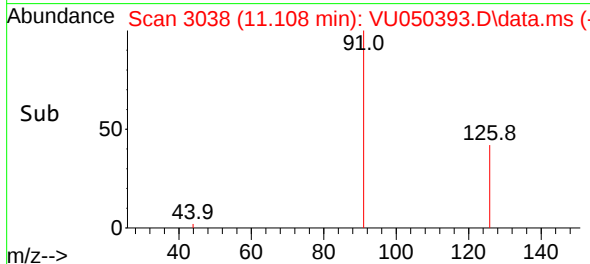
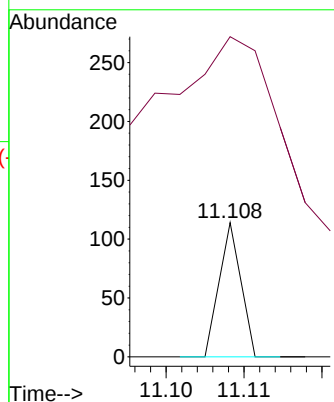
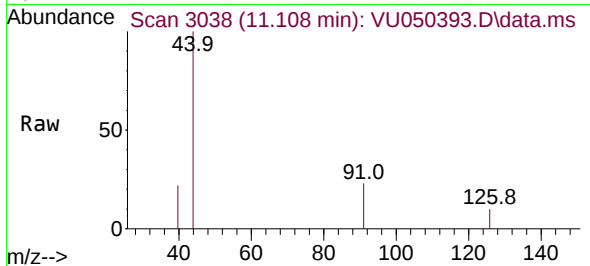




#74
2-Chlorotoluene
Concen: 0.392 ug/l
RT: 11.108 min Scan# 3001
Delta R.T. 0.122 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

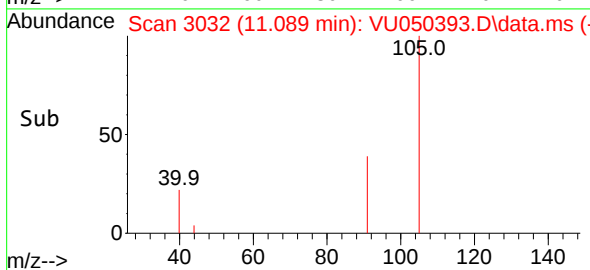
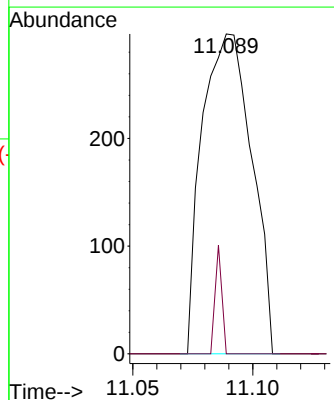
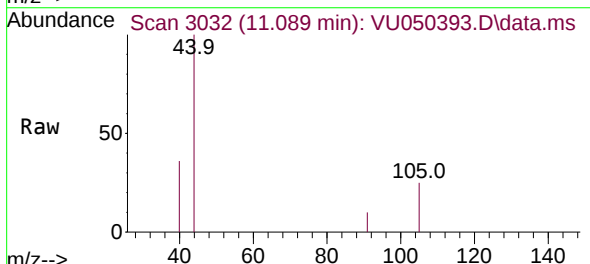
Instrument :
MSVOA_U
ClientSampleId :
VU0822WBL01

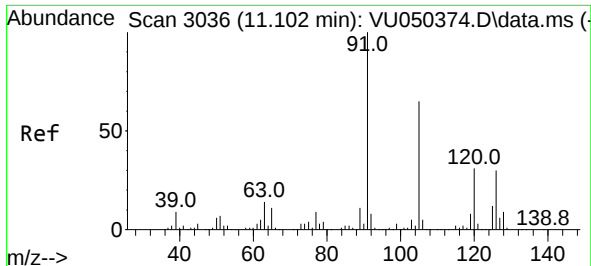
Tgt Ion:126 Resp: 22
Ion Ratio Lower Upper
126 100
91 1859.1 0.0 620.6#



#75
1,3,5-Trimethylbenzene
Concen: 0.534 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

Tgt Ion:105 Resp: 427
Ion Ratio Lower Upper
105 100
120 4.4 37.6 56.4#

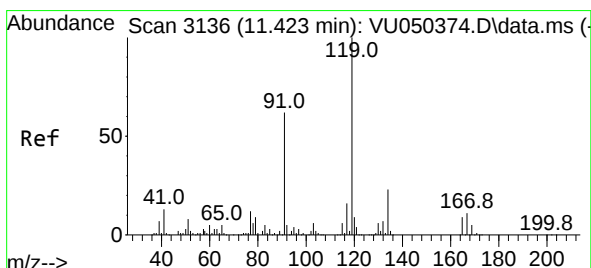
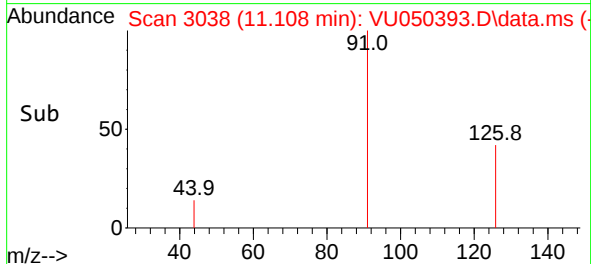
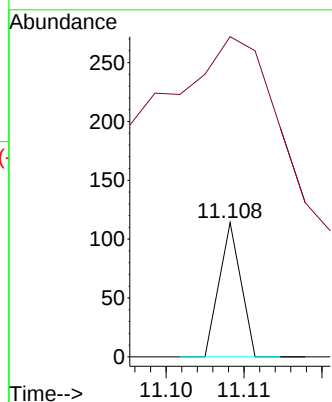
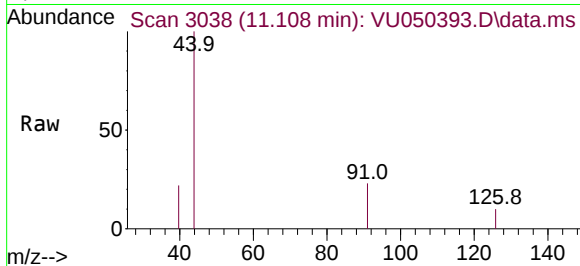




#76
4-Chlorotoluene
Concen: 0.403 ug/l
RT: 11.108 min Scan# 3036
Delta R.T. 0.010 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

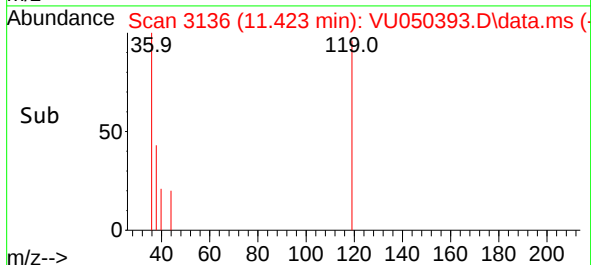
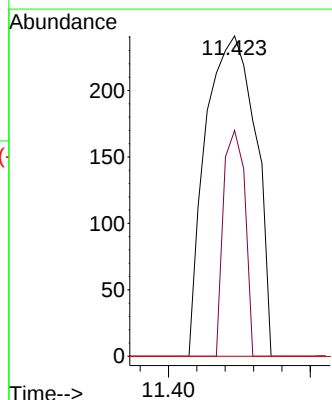
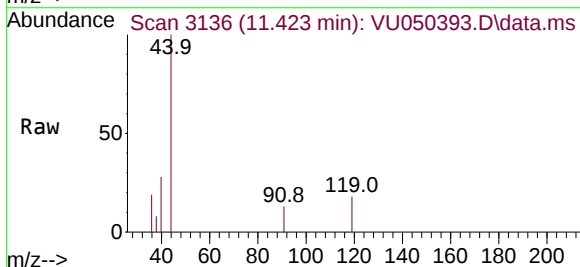
Instrument :
MSVOA_U
ClientSampleId :
VU0822WBL01

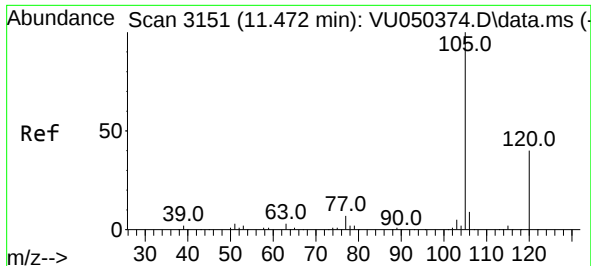
Tgt Ion:126 Resp: 22
Ion Ratio Lower Upper
126 100
91 1859.1 0.0 738.8#



#77
tert-Butylbenzene
Concen: 0.501 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

Tgt Ion:119 Resp: 294
Ion Ratio Lower Upper
119 100
91 30.3 30.4 91.3#
134 32.0 17.8 26.6#





#78

1,2,4-Trimethylbenzene

Concen: 0.573 ug/l

RT: 11.465 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VU050393.D

Acq: 22 Aug 2022 11:24

Instrument :

MSVOA_U

ClientSampleId :

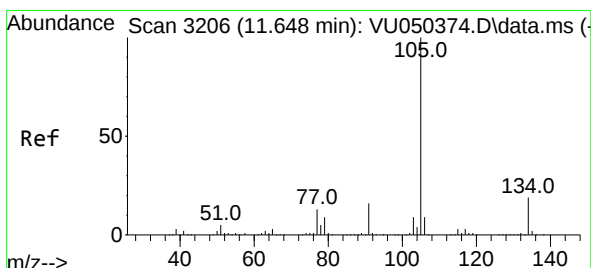
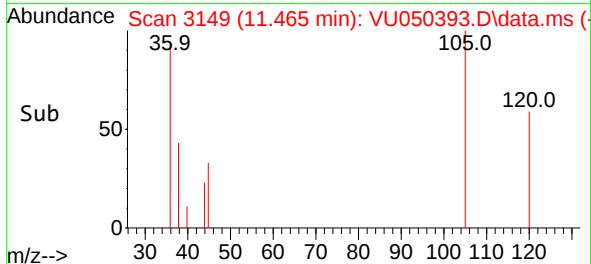
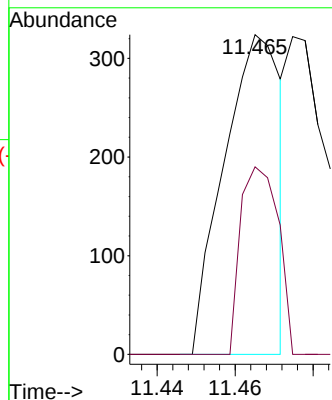
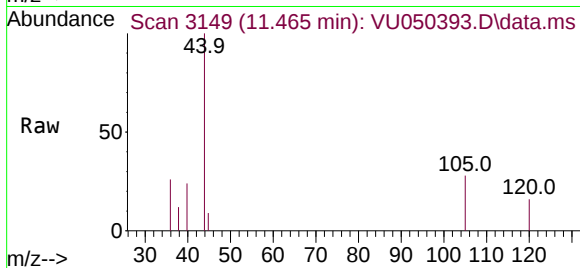
VU0822WBL01

Tgt Ion:105 Resp: 325

Ion Ratio Lower Upper

105 100

120 39.4 21.6 65.0



#79

sec-Butylbenzene

Concen: 0.562 ug/l

RT: 11.645 min Scan# 3205

Delta R.T. 0.000 min

Lab File: VU050393.D

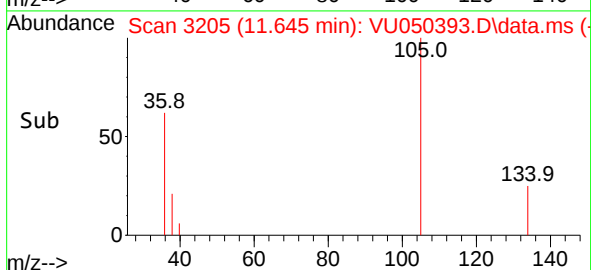
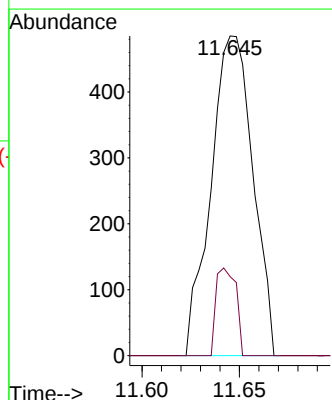
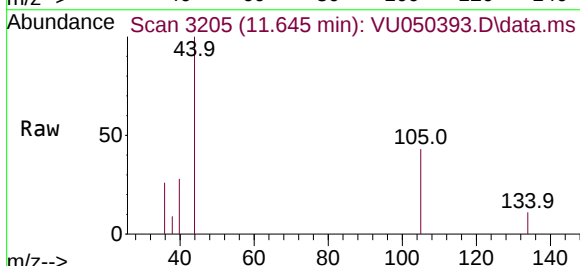
Acq: 22 Aug 2022 11:24

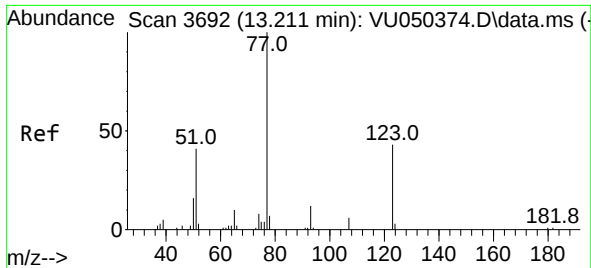
Tgt Ion:105 Resp: 728

Ion Ratio Lower Upper

105 100

134 12.9 15.4 23.0#

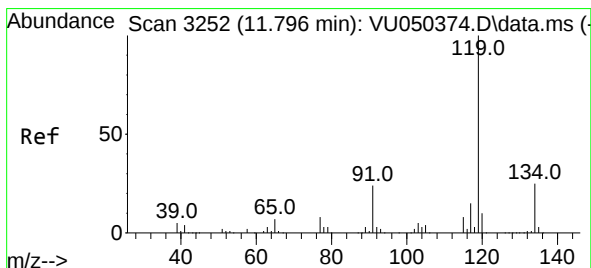
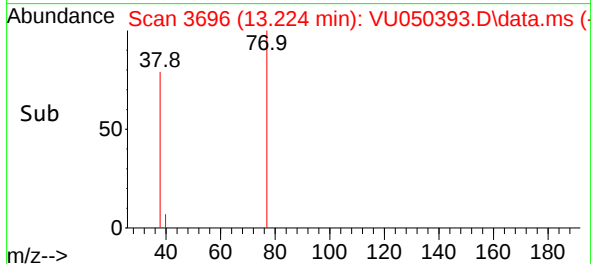
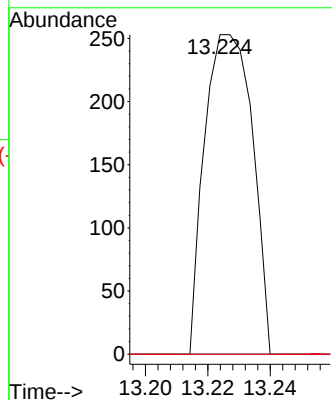
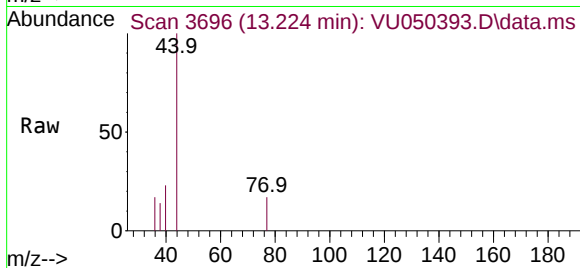




#80
Nitrobenzene
Concen: 0.437 ug/l
RT: 13.224 min Scan# 3696
Delta R.T. 0.016 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

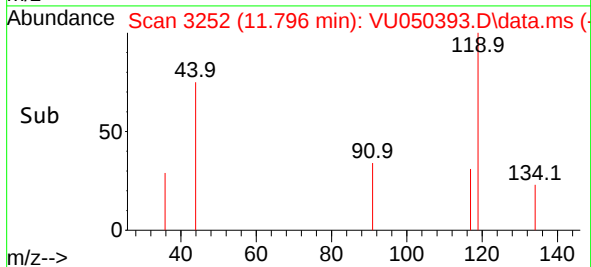
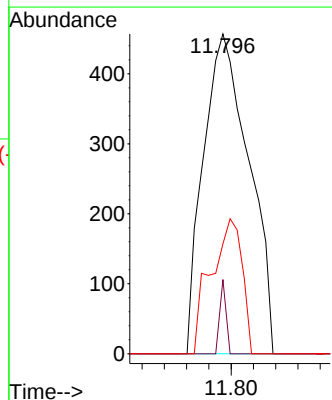
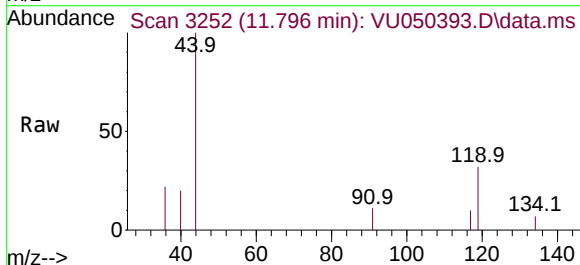
Instrument :
MSVOA_U
ClientSampleId :
VU0822WBL01

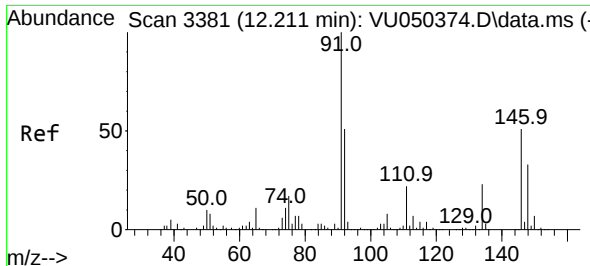
Tgt Ion: 77 Resp: 270
Ion Ratio Lower Upper
77 100
123 0.0 18.1 64.3#
65 0.0 10.8 13.8#



#81
p-Isopropyltoluene
Concen: 0.620 ug/l
RT: 11.796 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

Tgt Ion: 119 Resp: 649
Ion Ratio Lower Upper
119 100
134 3.1 20.5 30.7#
91 29.0 19.8 29.6

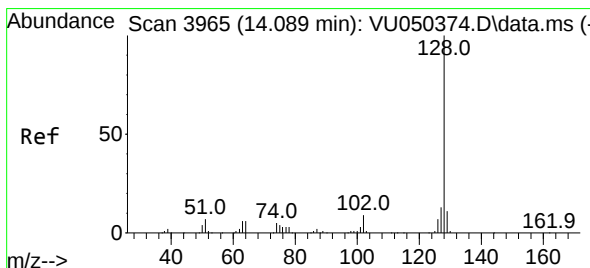
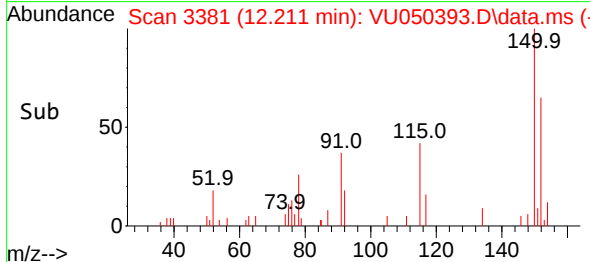
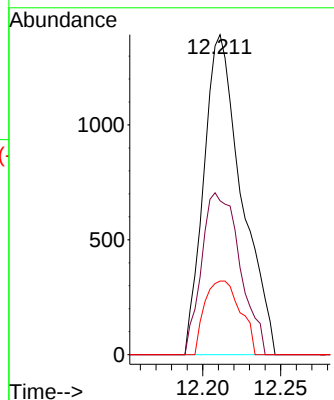
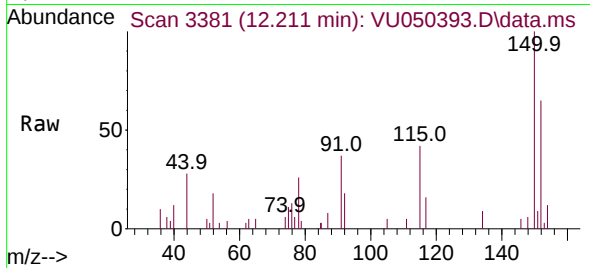




#84
n-Butylbenzene
Concen: 0.644 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

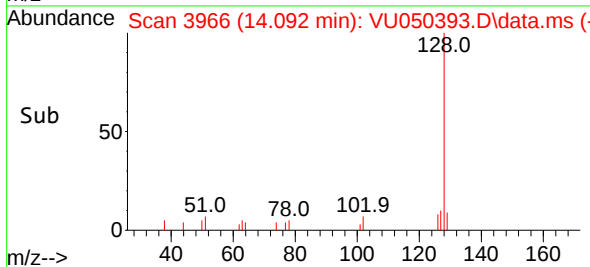
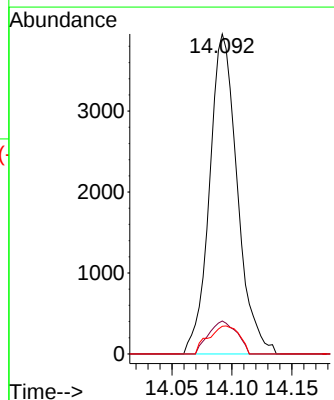
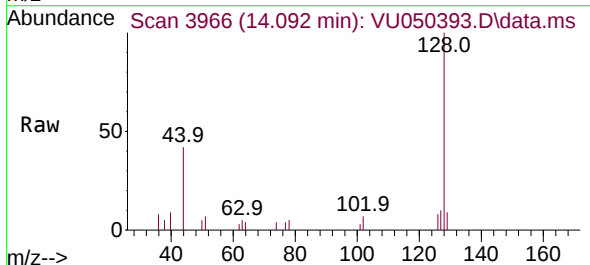
Instrument :
MSVOA_U
ClientSampleId :
VU0822WBL01

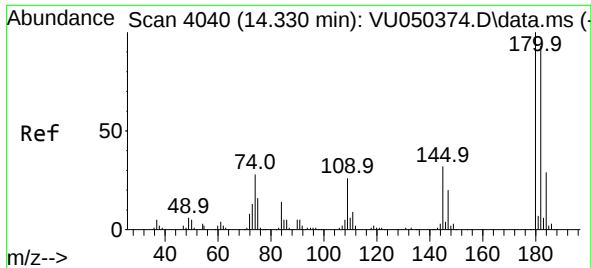
Tgt Ion: 91	Resp:	2344
Ion Ratio	Lower	Upper
91	100	
92	51.4	42.3 63.5
134	21.6	19.6 29.4



#89
Naphthalene
Concen: 1.149 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU050393.D
Acq: 22 Aug 2022 11:24

Tgt Ion: 128	Resp:	6360
Ion Ratio	Lower	Upper
128	100	
127	10.4	10.1 15.1
129	9.7	8.6 12.8





#90

1,2,3-Trichlorobenzene

Concen: 0.650 ug/l

RT: 14.333 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU050393.D

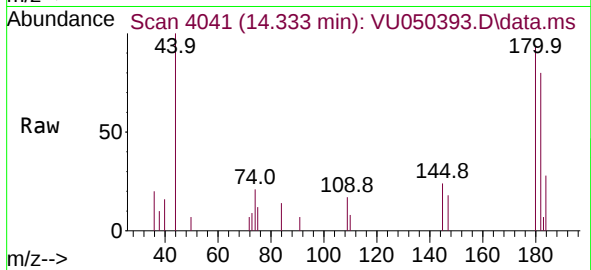
Acq: 22 Aug 2022 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0822WBL01



Tgt Ion:180 Resp: 2410

Ion Ratio Lower Upper

180 100

182 94.3 76.6 114.8

145 26.5 27.3 40.9#

