

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013023\
 Data File : VU052870.D
 Acq On : 30 Jan 2023 17:42
 Operator : JC/MD
 Sample : 01245-10DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 31 07:46:14 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)

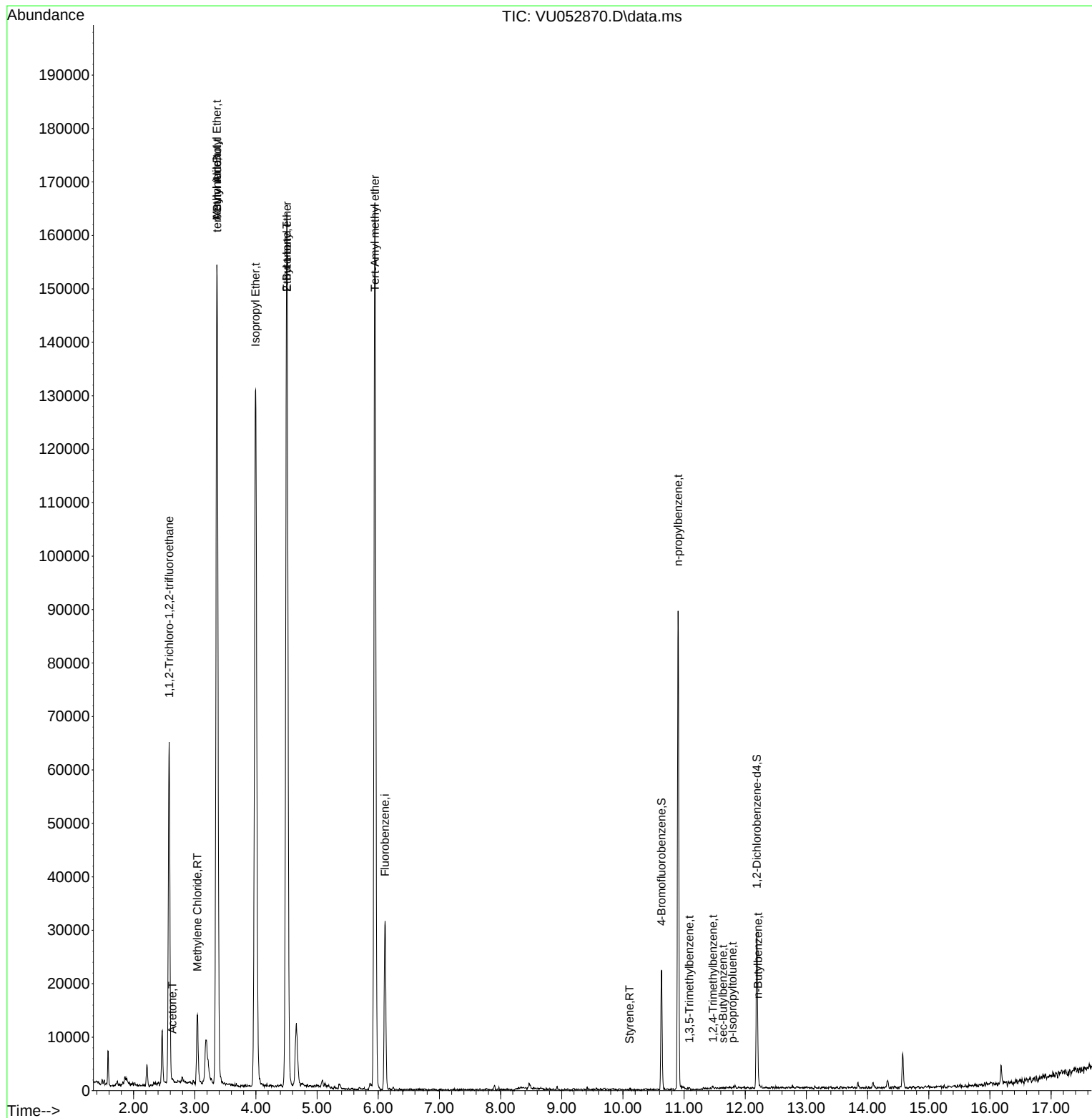
Internal Standards						
1) Fluorobenzene	6.112	96	30962	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	7273	0.706	ug/l	0.00
Spiked Amount 1.000			Recovery	=	71.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9796	0.925	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
						Qvalue
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	24438	3.196	ug/l	93
12) Acrylonitrile	3.363	53	2161	1.411	ug/l #	29
13) Acetone	2.636	43	824	0.379	ug/l	93
15) Methylene Chloride	3.041	84	6085	0.697	ug/l	90
18) 2-Butanone	4.504	43	17664	6.998	ug/l #	1
24) tert-Butyl Alcohol	3.366	59	748	1.216	ug/l #	1
25) Methyl tert-Butyl Ether	3.363	73	176297	10.637	ug/l	100
31) Isopropyl Ether	3.993	45	126610	6.489	ug/l	93
32) Ethyl-t-butyl ether	4.507	59	162403	8.915	ug/l	93
33) Tert-Amyl methyl ether	5.944	73	131398	8.156	ug/l	99
66) Styrene	10.108	104	41	0.422	ug/l #	62
73) n-propylbenzene	10.902	120	15661	1.729	ug/l	91
75) 1,3,5-Trimethylbenzene	11.086	105	227	0.426	ug/l #	27
78) 1,2,4-Trimethylbenzene	11.472	105	307	0.463	ug/l #	63
79) sec-Butylbenzene	11.636	105	252	0.434	ug/l #	56
81) p-Isopropyltoluene	11.790	119	184	0.489	ug/l #	51
84) n-Butylbenzene	12.208	91	419	0.565	ug/l #	68

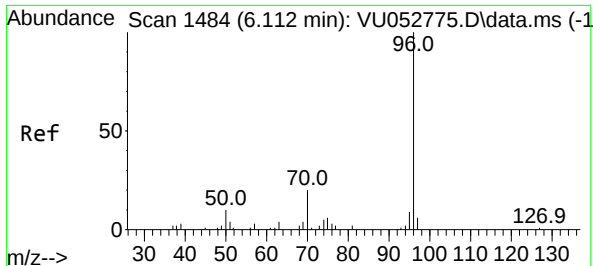
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013023\
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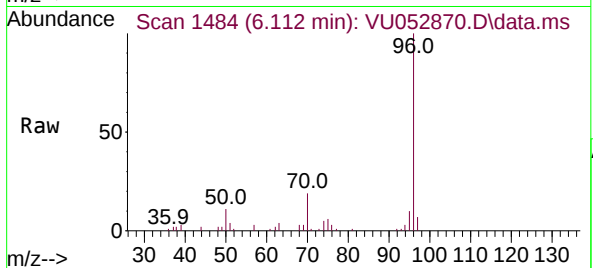
Quant Time: Jan 31 07:46:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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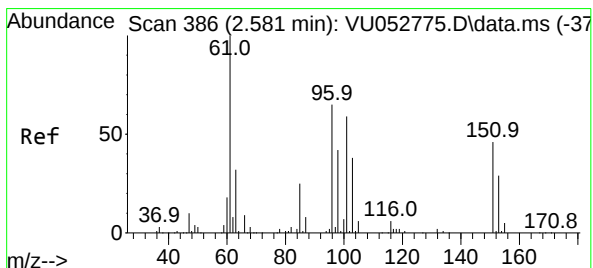
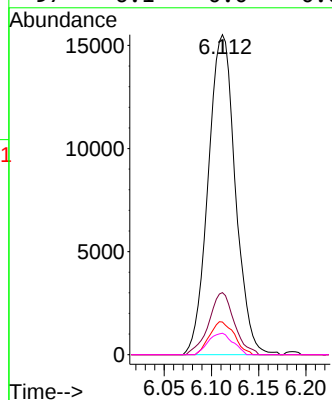
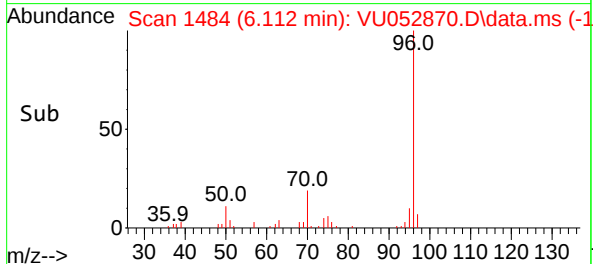


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42

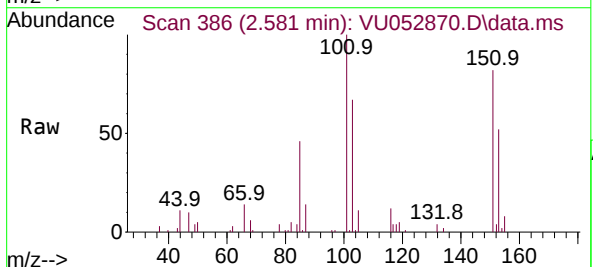
Instrument :
MSVOA_U
ClientSampleId :



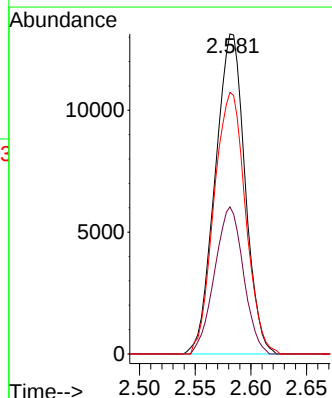
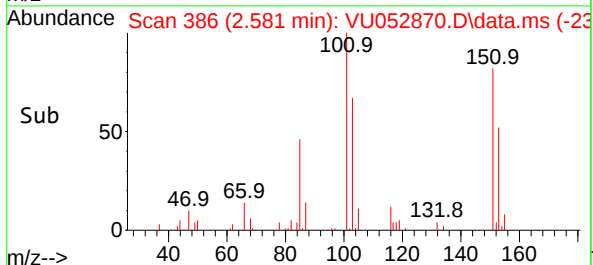
Tgt Ion: 96 Resp: 30962
Ion Ratio Lower Upper
96 100
70 18.2 16.2 24.4
95 9.4 7.4 11.0
97 6.1 0.0 0.0#

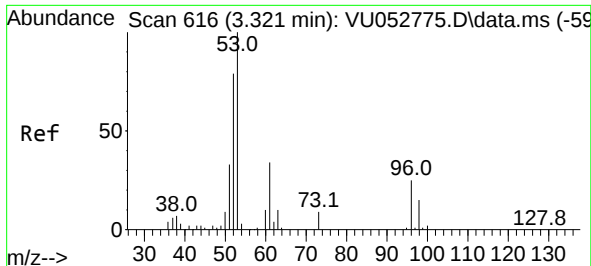


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.196 ug/l
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42



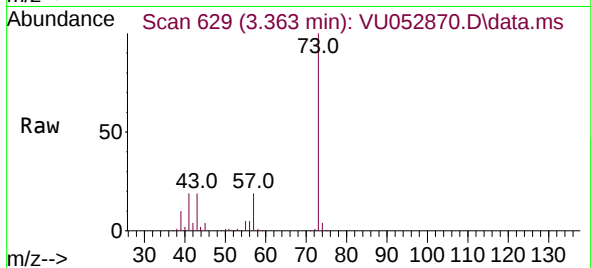
Tgt Ion:101 Resp: 24438
Ion Ratio Lower Upper
101 100
85 44.5 34.1 51.1
151 86.2 63.0 94.4



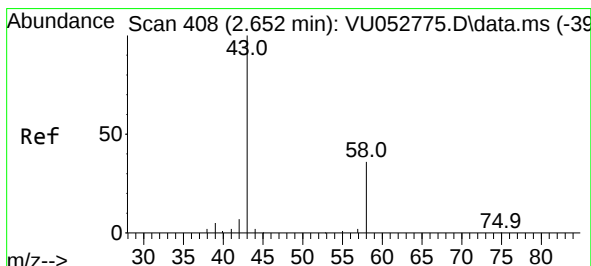
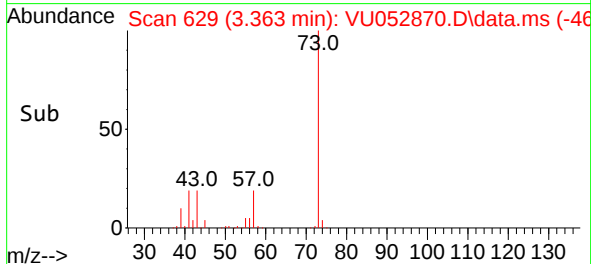
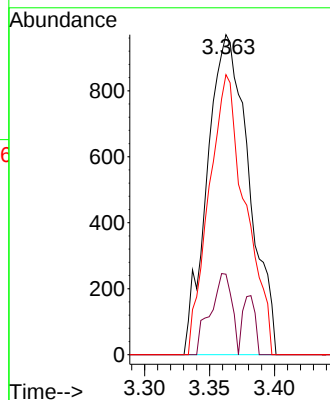


#12
Acrylonitrile
Concen: 1.411 ug/l
RT: 3.363 min Scan# 616
Delta R.T. 0.042 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42

Instrument :
MSVOA_U
ClientSampleId :

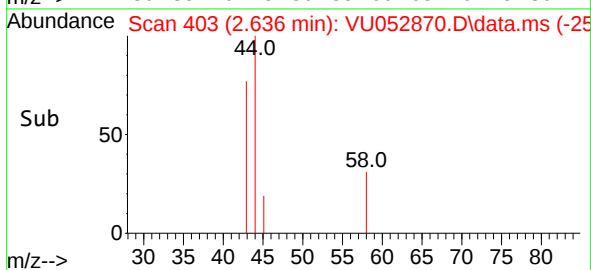
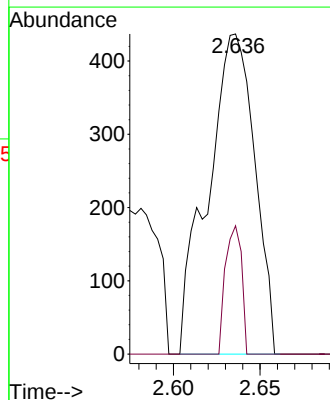
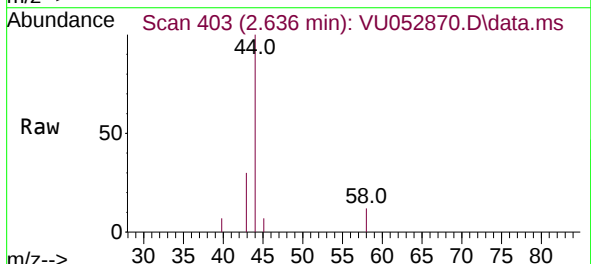


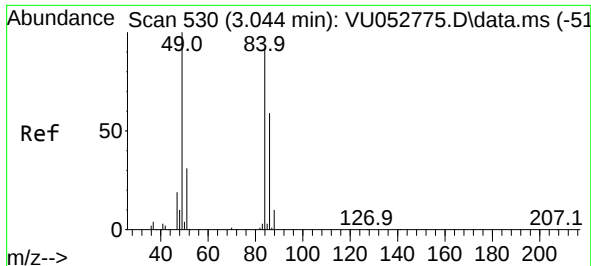
Tgt Ion: 53 Resp: 2161
Ion Ratio Lower Upper
53 100
52 13.0 63.0 94.4#
51 76.7 31.3 46.9#



#13
Acetone
Concen: 0.379 ug/l
RT: 2.636 min Scan# 403
Delta R.T. -0.016 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42

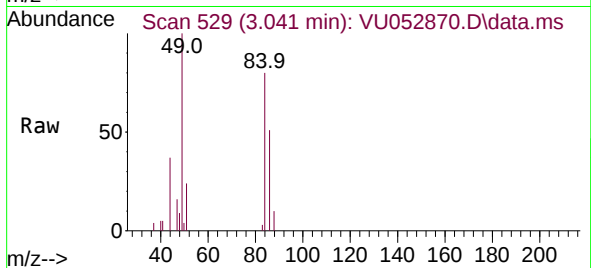
Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
58 40.0 29.0 43.4



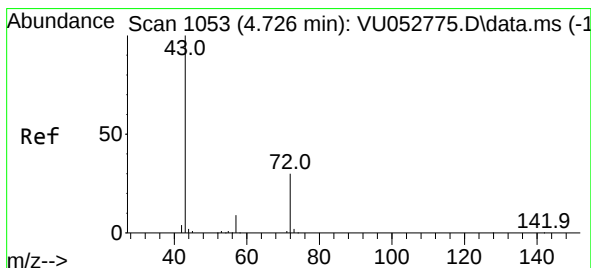
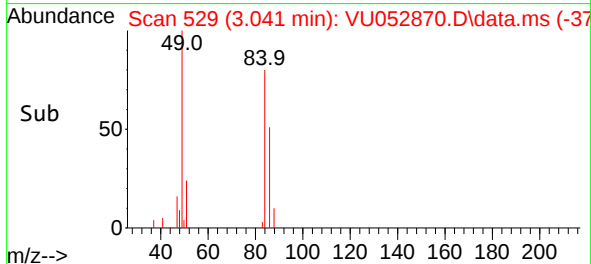
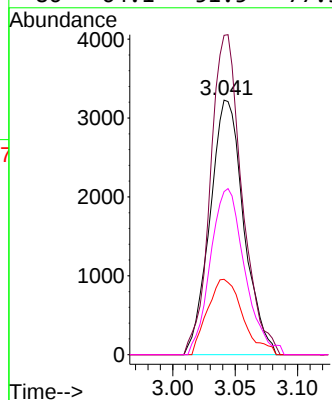


#15
Methylene Chloride
Concen: 0.697 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42

Instrument :
MSVOA_U
ClientSampleId :

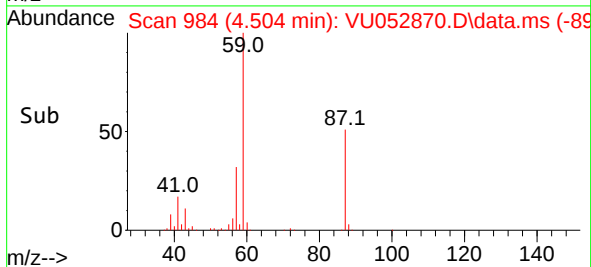
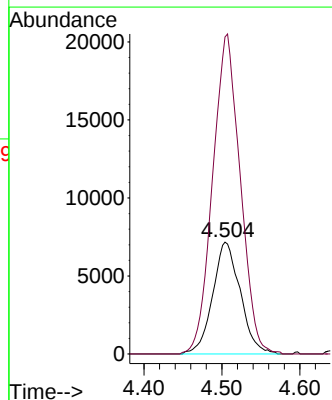
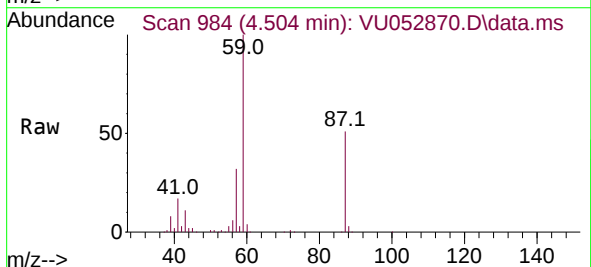


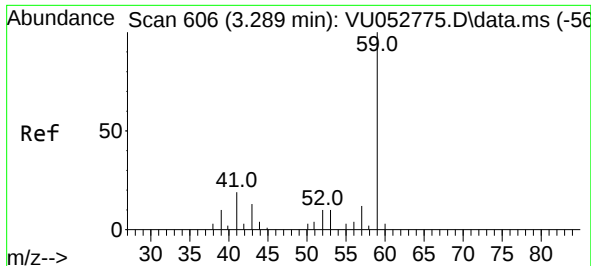
Tgt Ion:	84	Resp:	6085
Ion	Ratio	Lower	Upper
84	100		
49	125.4	86.7	130.1
51	29.6	0.0	66.8
86	64.1	51.5	77.3



#18
2-Butanone
Concen: 6.998 ug/l
RT: 4.504 min Scan# 984
Delta R.T. -0.222 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42

Tgt Ion:	43	Resp:	17664
Ion	Ratio	Lower	Upper
43	100		
57	283.4	0.0	17.4#

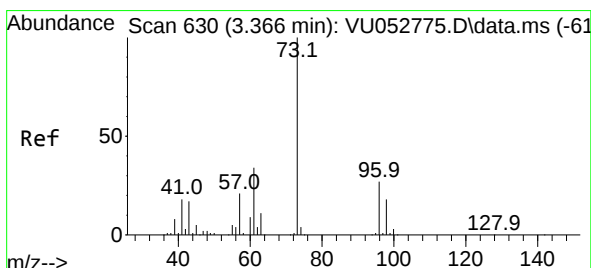
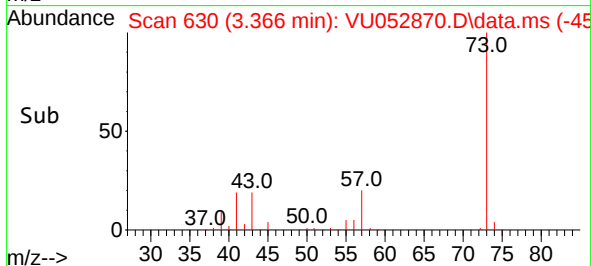
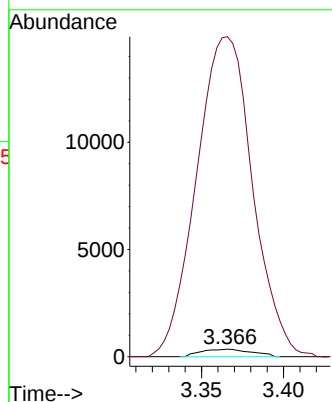
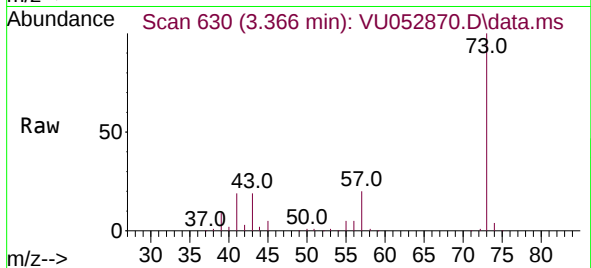




#24
tert-Butyl Alcohol
Concen: 1.216 ug/l
RT: 3.366 min Scan# 610
Delta R.T. 0.077 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42

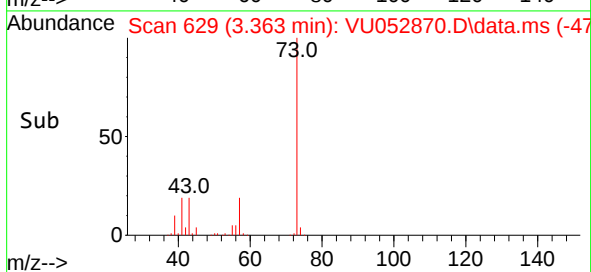
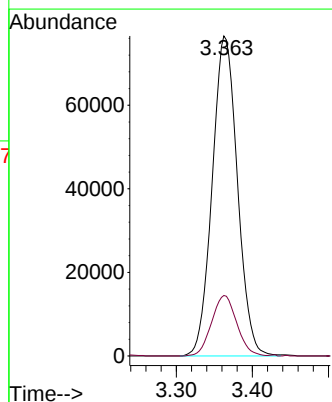
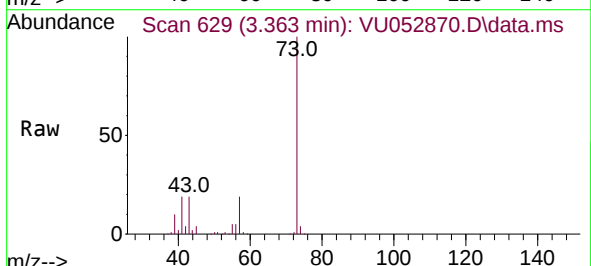
Instrument :
MSVOA_U
ClientSampleId :

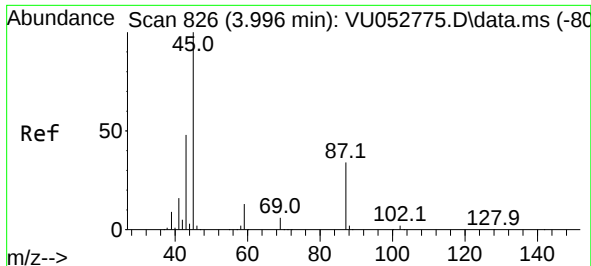
Tgt Ion: 59 Resp: 748
Ion Ratio Lower Upper
59 100
57 4754.9 45.8 68.8#



#25
Methyl tert-Butyl Ether
Concen: 10.637 ug/l
RT: 3.363 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42

Tgt Ion: 73 Resp: 176297
Ion Ratio Lower Upper
73 100
43 18.9 15.3 22.9

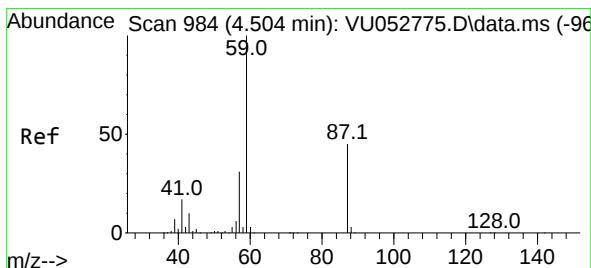
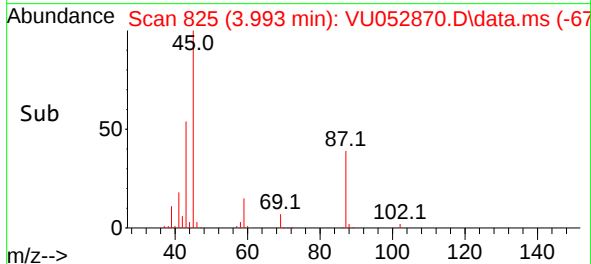
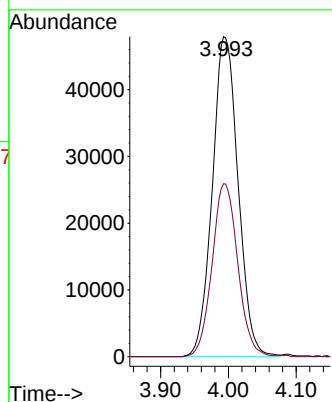
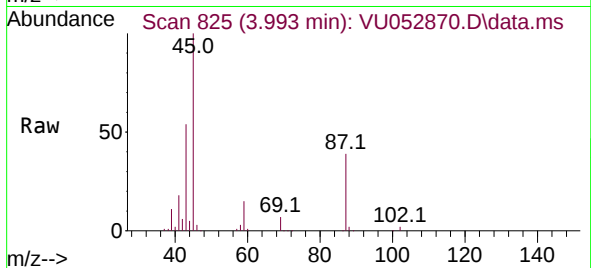




#31
Isopropyl Ether
Concen: 6.489 ug/l
RT: 3.993 min Scan# 81
Delta R.T. -0.003 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42

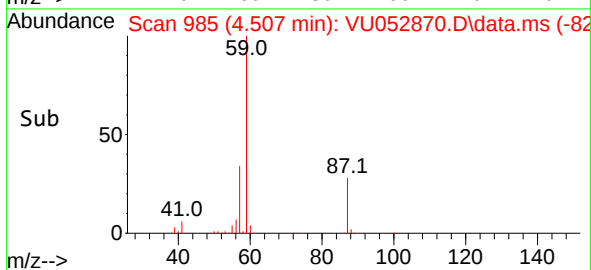
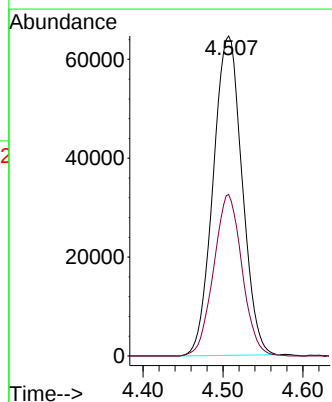
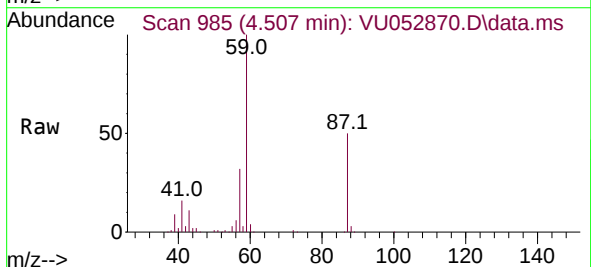
Instrument :
MSVOA_U
ClientSampleId :

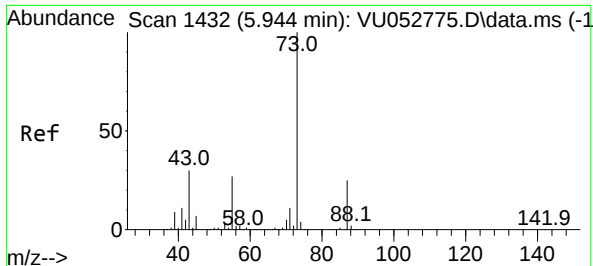
Tgt Ion: 45 Resp: 126610
Ion Ratio Lower Upper
45 100
43 53.8 24.5 73.5



#32
Ethyl-t-butyl ether
Concen: 8.915 ug/l
RT: 4.507 min Scan# 985
Delta R.T. 0.003 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42

Tgt Ion: 59 Resp: 162403
Ion Ratio Lower Upper
59 100
87 49.5 36.2 54.2





#33

Tert-Amyl methyl ether

Concen: 8.156 ug/l

RT: 5.944 min Scan# 14

Delta R.T. -0.000 min

Lab File: VU052870.D

Acq: 30 Jan 2023 17:42

Instrument :

MSVOA_U

ClientSampleId :

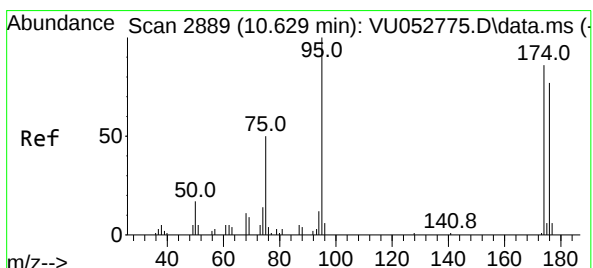
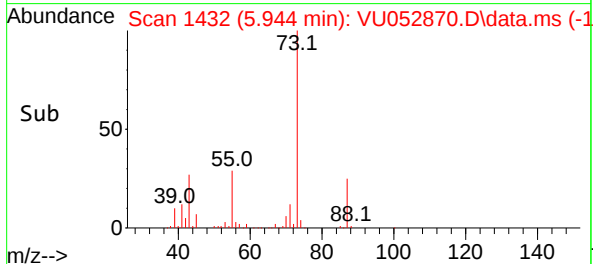
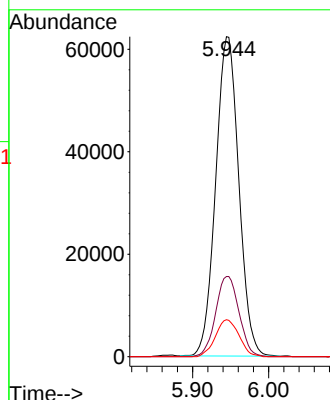
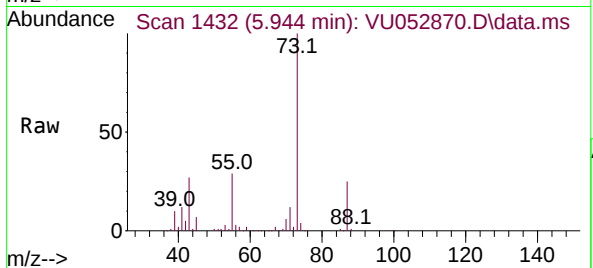
Tgt Ion: 73 Resp: 131398

Ion Ratio Lower Upper

73 100

87 25.4 20.1 30.1

71 11.8 9.2 13.8



#57

4-Bromofluorobenzene

Concen: 0.706 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.003 min

Lab File: VU052870.D

Acq: 30 Jan 2023 17:42

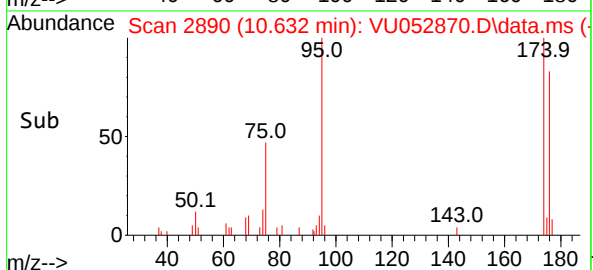
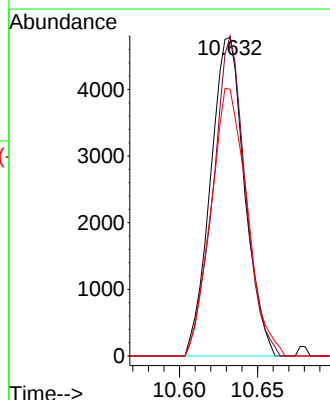
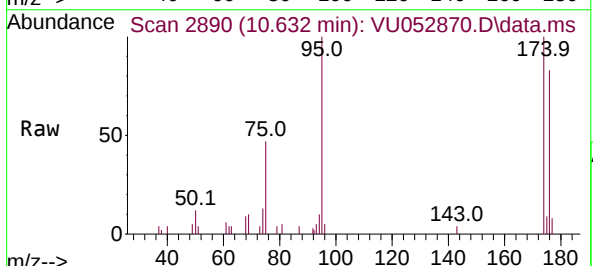
Tgt Ion: 95 Resp: 7273

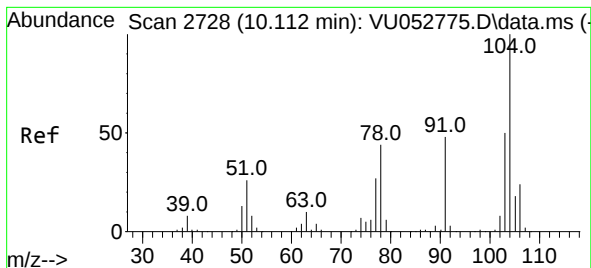
Ion Ratio Lower Upper

95 100

174 94.6 66.9 100.3

176 89.0 61.9 92.9





#66

Styrene

Concen: 0.422 ug/l

RT: 10.108 min Scan# 21

Delta R.T. -0.004 min

Lab File: VU052870.D

Acq: 30 Jan 2023 17:42

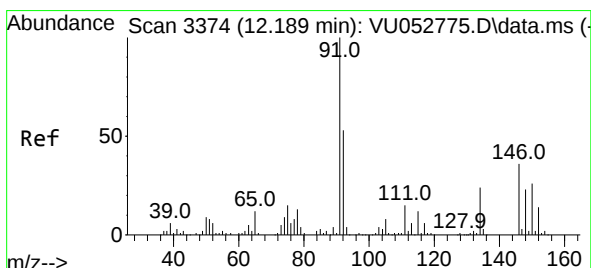
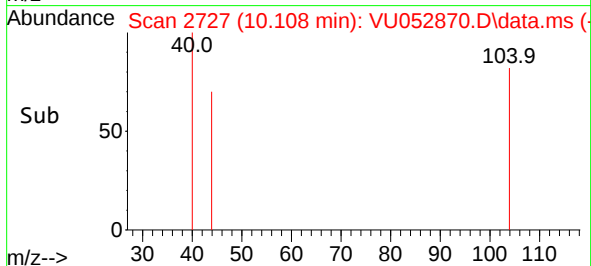
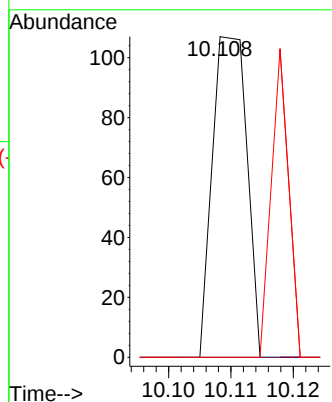
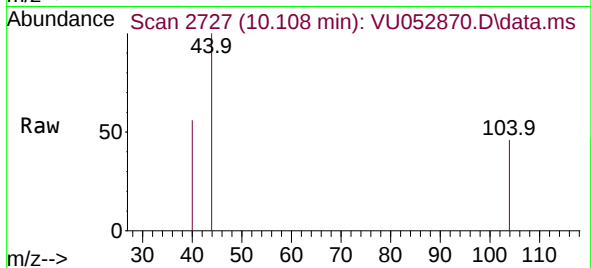
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:104 Resp: 41

Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.6	59.4#
103	48.8	42.9	64.3



#68

1,2-Dichlorobenzene-d4

Concen: 0.925 ug/l

RT: 12.189 min Scan# 3374

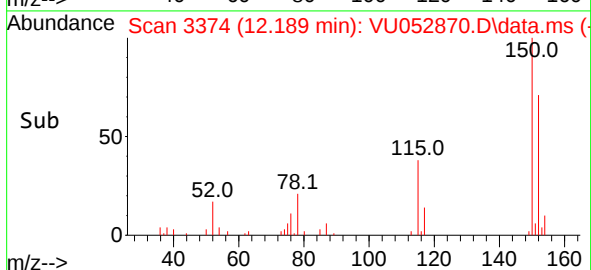
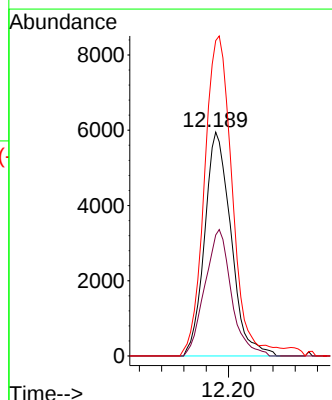
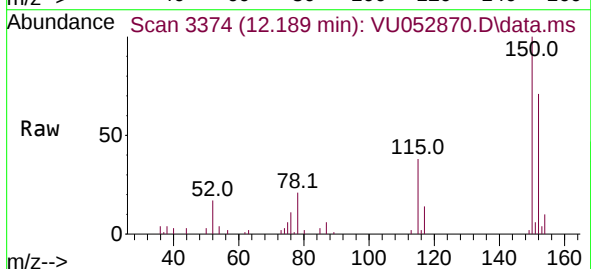
Delta R.T. -0.000 min

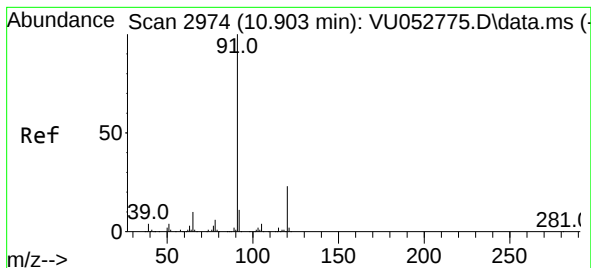
Lab File: VU052870.D

Acq: 30 Jan 2023 17:42

Tgt Ion:152 Resp: 9796

Ion	Ratio	Lower	Upper
152	100		
115	56.7	0.0	262.6
150	150.7	0.0	638.0





#73

n-propylbenzene

Concen: 1.729 ug/l

RT: 10.902 min Scan# 2974

Delta R.T. -0.001 min

Lab File: VU052870.D

Acq: 30 Jan 2023 17:42

Instrument :

MSVOA_U

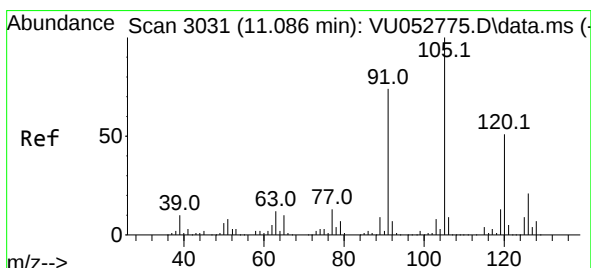
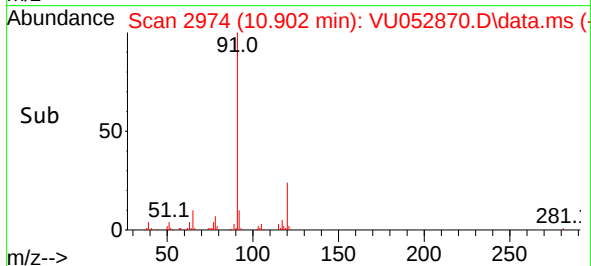
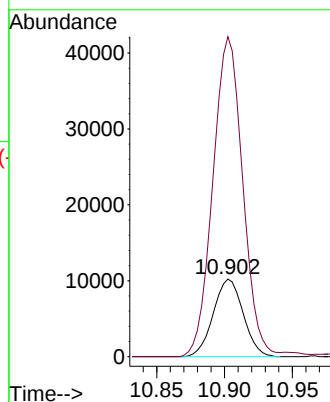
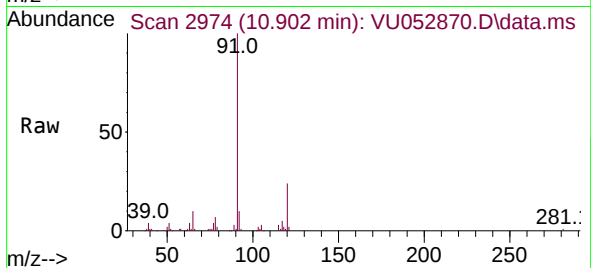
ClientSampleId :

Tgt Ion:120 Resp: 15661

Ion Ratio Lower Upper

120 100

91 411.6 348.0 522.0



#75

1,3,5-Trimethylbenzene

Concen: 0.426 ug/l

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052870.D

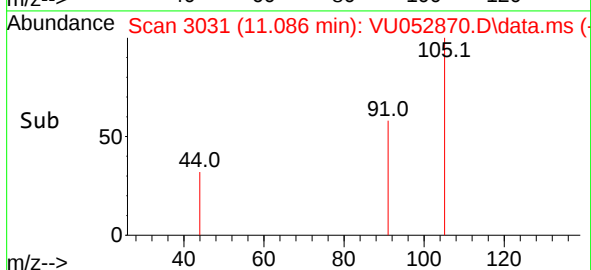
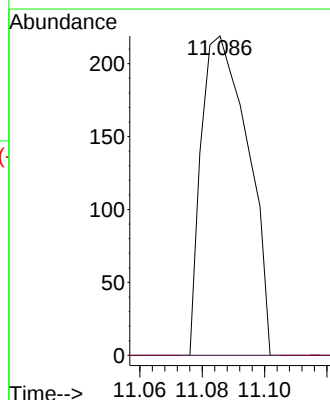
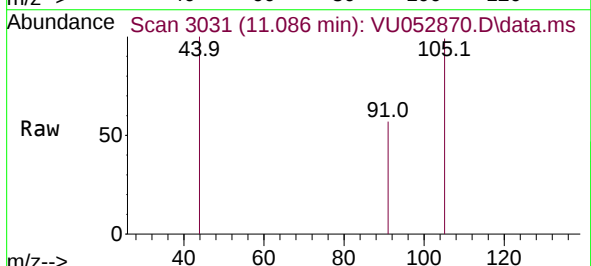
Acq: 30 Jan 2023 17:42

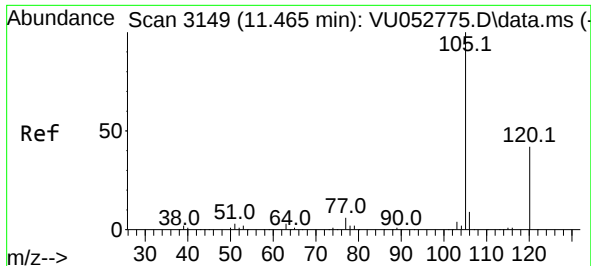
Tgt Ion:105 Resp: 227

Ion Ratio Lower Upper

105 100

120 0.0 39.9 59.9#





#78

1,2,4-Trimethylbenzene

Concen: 0.463 ug/l

RT: 11.472 min Scan# 3149

Delta R.T. 0.007 min

Lab File: VU052870.D

Acq: 30 Jan 2023 17:42

Instrument :

MSVOA_U

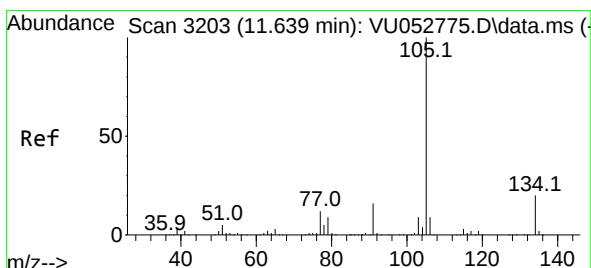
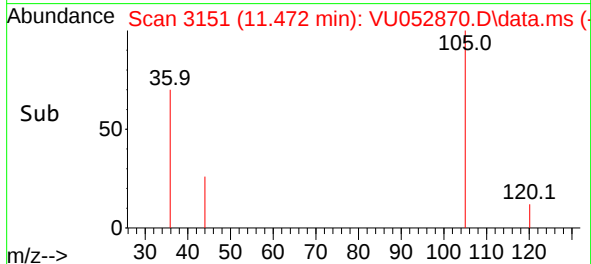
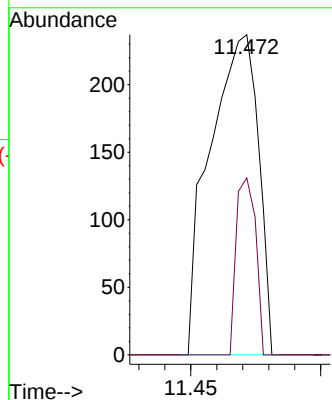
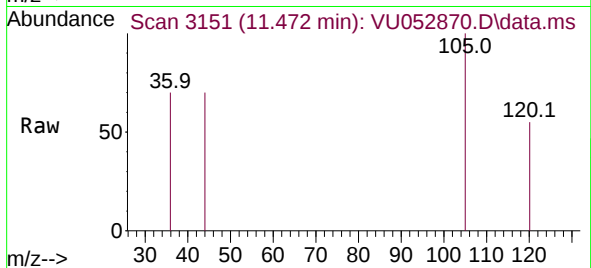
ClientSampleId :

Tgt Ion:105 Resp: 307

Ion Ratio Lower Upper

105 100

120 22.1 23.4 70.3#



#79

sec-Butylbenzene

Concen: 0.434 ug/l

RT: 11.636 min Scan# 3202

Delta R.T. -0.003 min

Lab File: VU052870.D

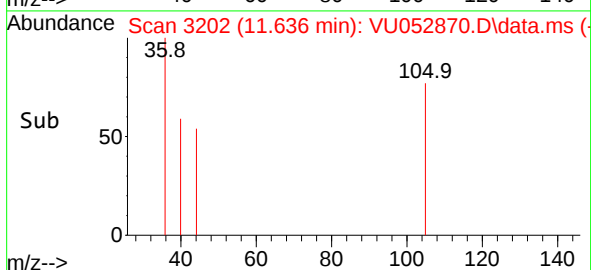
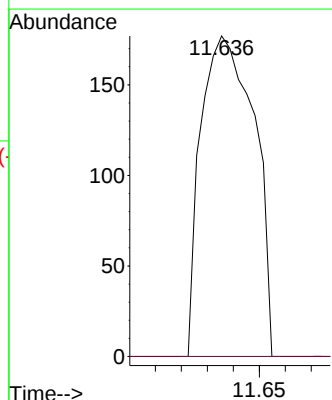
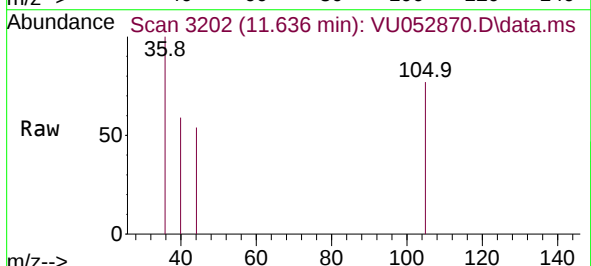
Acq: 30 Jan 2023 17:42

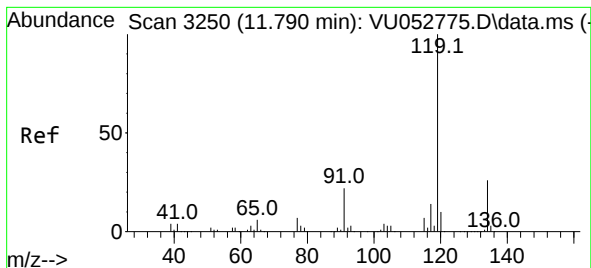
Tgt Ion:105 Resp: 252

Ion Ratio Lower Upper

105 100

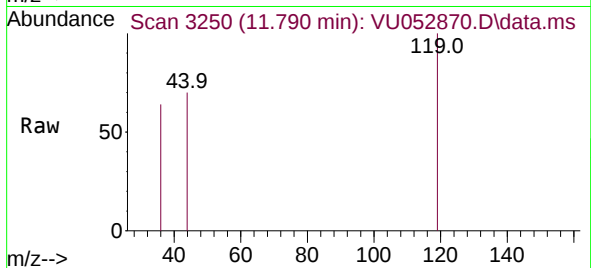
134 0.0 16.5 24.7#



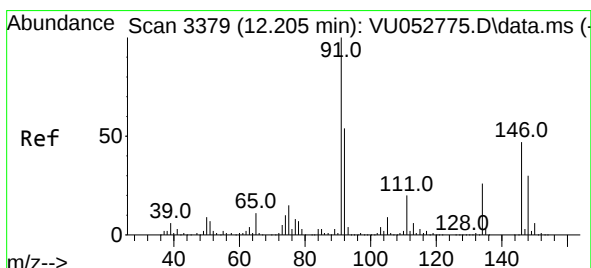
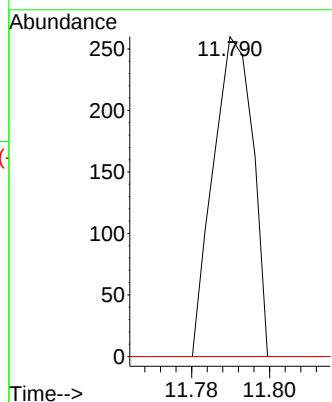
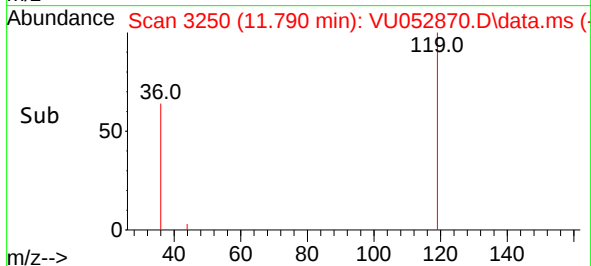


#81
p-Isopropyltoluene
Concen: 0.489 ug/l
RT: 11.790 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42

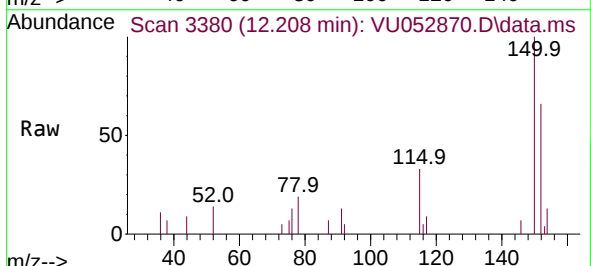
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:119 Resp: 184
Ion Ratio Lower Upper
119 100
134 0.0 20.7 31.1#
91 0.0 17.6 26.4#



#84
n-Butylbenzene
Concen: 0.565 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. 0.003 min
Lab File: VU052870.D
Acq: 30 Jan 2023 17:42



Tgt Ion: 91 Resp: 419
Ion Ratio Lower Upper
91 100
92 37.9 43.4 65.0#
134 0.0 21.2 31.8#

