

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013023\
 Data File : VU052868.D
 Acq On : 30 Jan 2023 16:39
 Operator : JC/MD
 Sample : 01245-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 31 07:45:01 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)

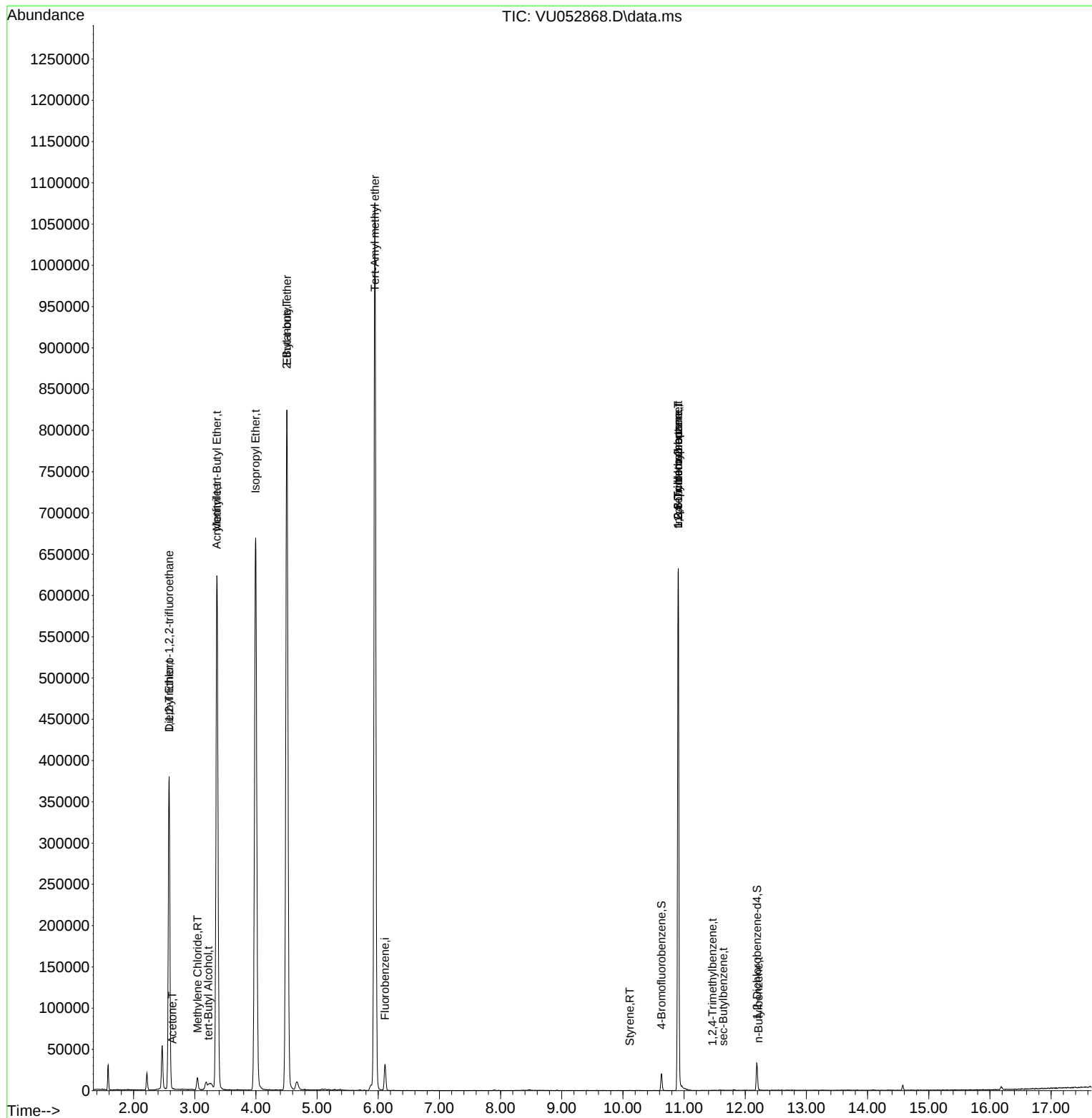
Internal Standards						
1) Fluorobenzene	6.108	96	30706	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	6627	0.649	ug/l	0.00
Spiked Amount 1.000			Recovery	=	65.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	10049	0.956	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
						Qvalue
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	147778	19.485	ug/l	97
12) Acrylonitrile	3.359	53	7465	4.914	ug/l #	27
13) Acetone	2.636	43	519	0.241	ug/l #	39
15) Methylene Chloride	3.044	84	7235	0.836	ug/l	88
18) 2-Butanone	4.504	43	89420	35.722	ug/l #	1
23) Diethyl Ether	2.581	59	1235	0.244	ug/l #	17
24) tert-Butyl Alcohol	3.221	59	10403	17.057	ug/l #	22
25) Methyl tert-Butyl Ether	3.362	73	739706	45.004	ug/l	98
31) Isopropyl Ether	3.996	45	655420	33.871	ug/l	97
32) Ethyl-t-butyl ether	4.507	59	842004	46.608	ug/l	93
33) Tert-Amyl methyl ether	5.944	73	862890	54.010	ug/l	98
46) t-1,4-Dichloro-2-butene	10.902	75	3074	1.333	ug/l #	1
66) Styrene	10.111	104	45	0.422	ug/l #	26
71) 1,2,3-Trichloropropane	10.902	75	3074	0.479	ug/l #	1
73) n-propylbenzene	10.906	120	110312	9.591	ug/l	92
75) 1,3,5-Trimethylbenzene	10.902	105	17843	0.907	ug/l #	1
78) 1,2,4-Trimethylbenzene	11.462	105	121	0.458	ug/l #	30
79) sec-Butylbenzene	11.639	105	109	0.431	ug/l #	56
84) n-Butylbenzene	12.214	91	157	0.558	ug/l #	32

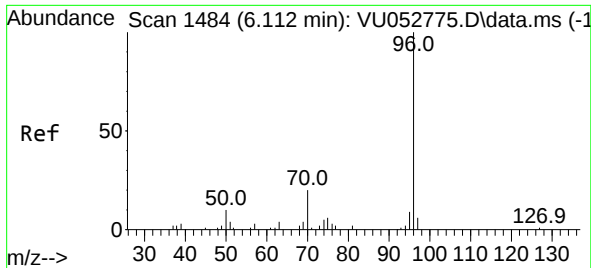
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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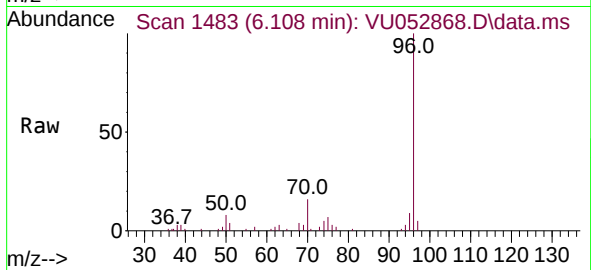
Quant Time: Jan 31 07:45:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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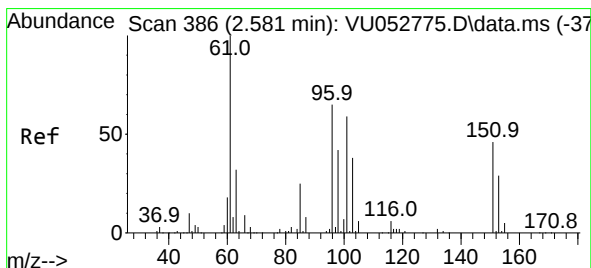
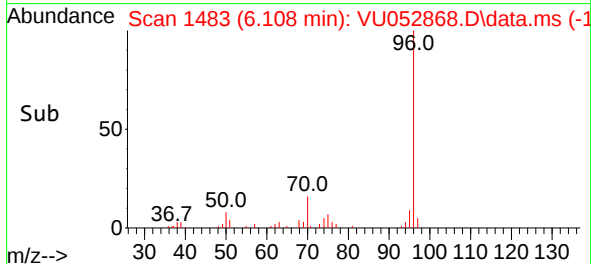
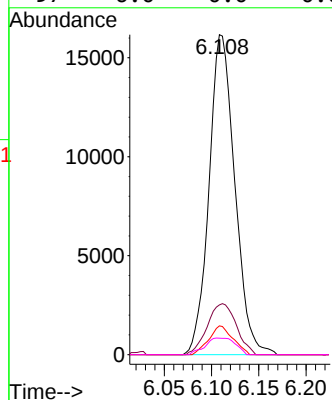


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.108 min Scan# 1483
Delta R.T. -0.004 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

Instrument :
MSVOA_U
ClientSampleId :

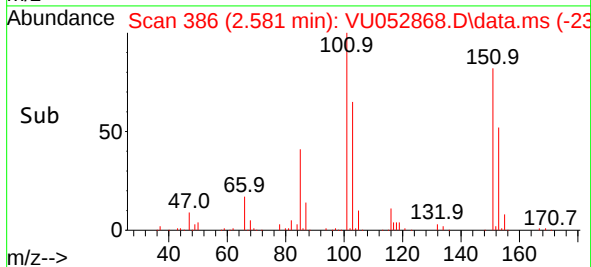
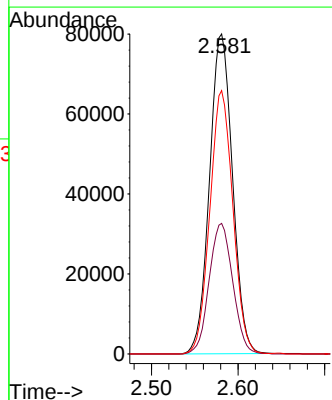
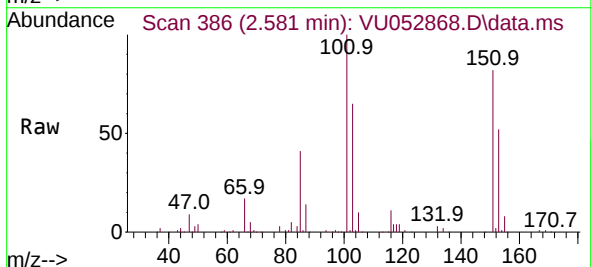


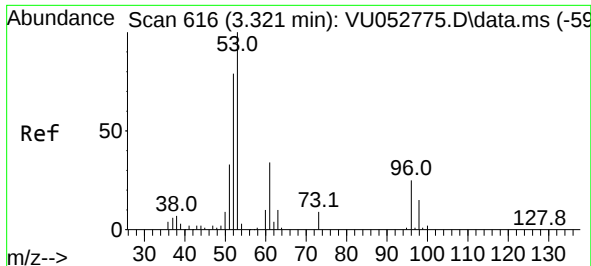
Tgt Ion:	96	Resp:	30706
Ion Ratio	100	Lower	Upper
96	100		
70	17.9	16.2	24.4
95	8.4	7.4	11.0
97	6.0	0.0	0.0



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 19.485 ug/l
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

Tgt Ion:	101	Resp:	147778
Ion Ratio	100	Lower	Upper
101	100		
85	41.8	34.1	51.1
151	82.4	63.0	94.4

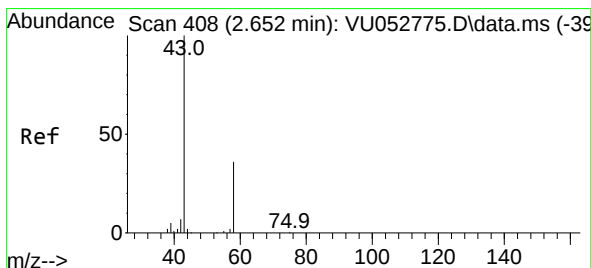
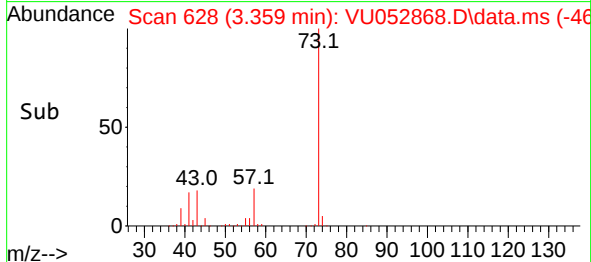
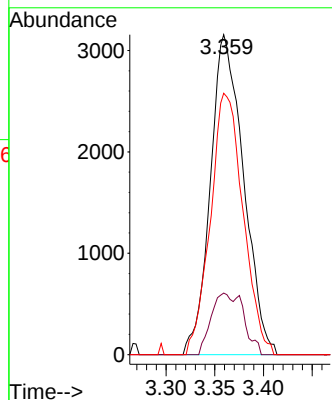
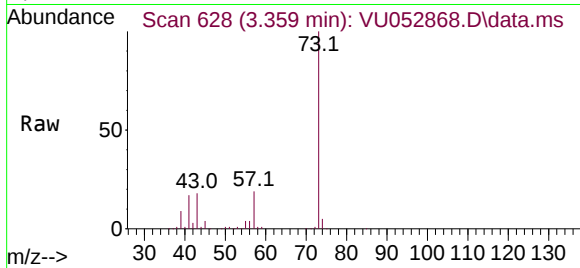




#12
Acrylonitrile
Concen: 4.914 ug/l
RT: 3.359 min Scan# 616
Delta R.T. 0.038 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

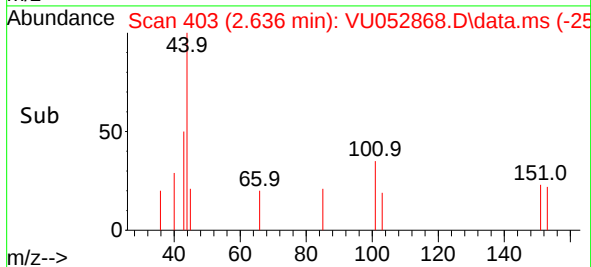
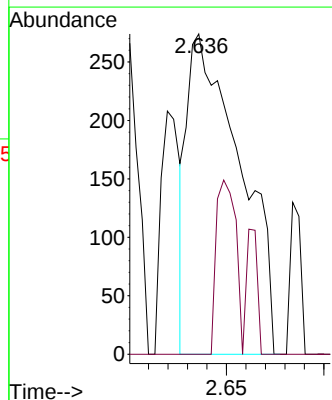
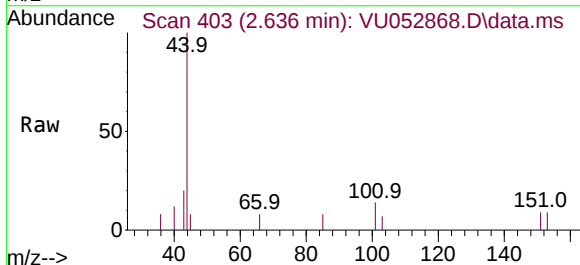
Instrument :
MSVOA_U
ClientSampleId :

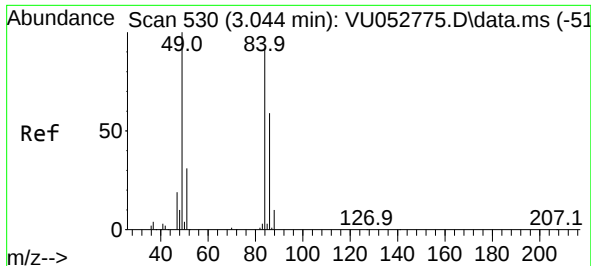
Tgt Ion: 53 Resp: 7465
Ion Ratio Lower Upper
53 100
52 12.4 63.0 94.4#
51 80.4 31.3 46.9#



#13
Acetone
Concen: 0.241 ug/l
RT: 2.636 min Scan# 403
Delta R.T. -0.016 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

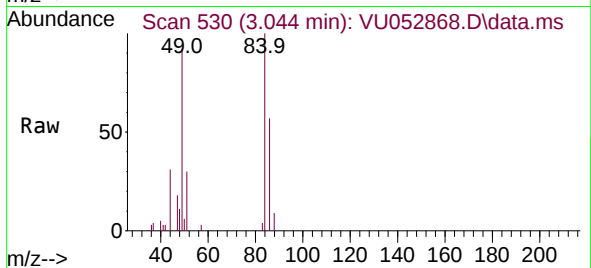
Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.4#



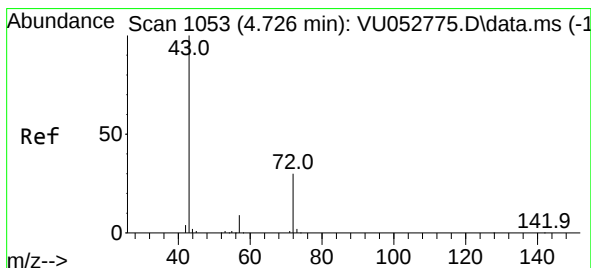
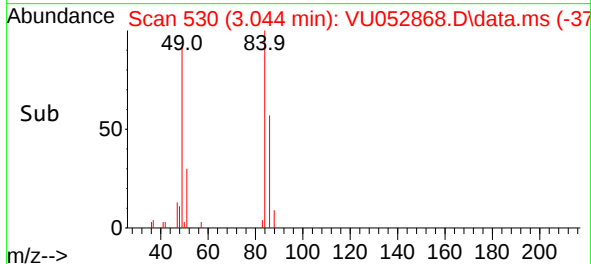
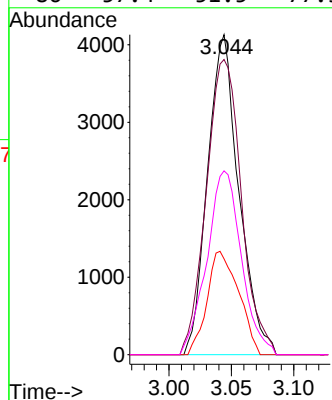


#15
Methylene Chloride
Concen: 0.836 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

Instrument :
MSVOA_U
ClientSampleId :

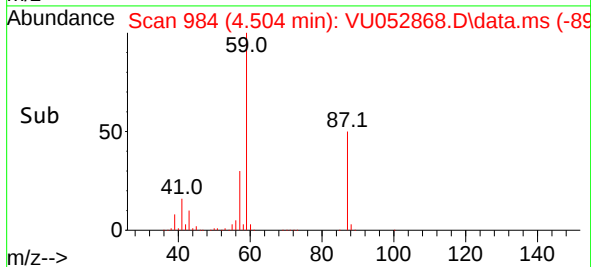
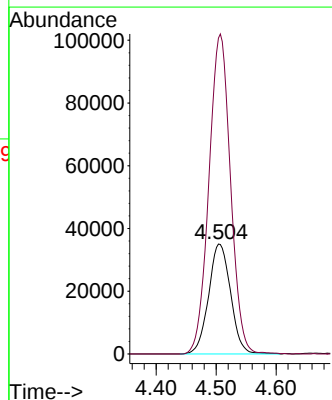
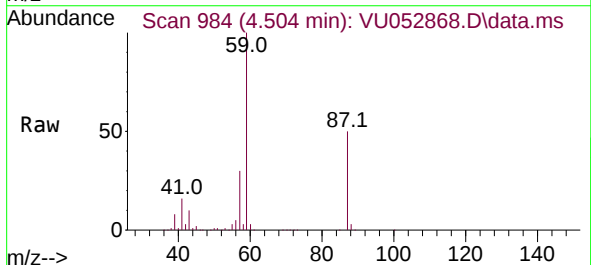


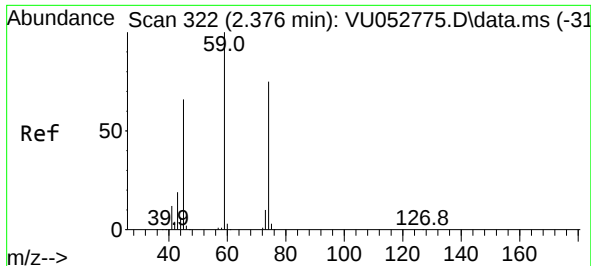
Tgt Ion: 84 Resp: 7235
Ion Ratio Lower Upper
84 100
49 92.2 86.7 130.1
51 29.9 0.0 66.8
86 57.4 51.5 77.3



#18
2-Butanone
Concen: 35.722 ug/l
RT: 4.504 min Scan# 984
Delta R.T. -0.222 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

Tgt Ion: 43 Resp: 89420
Ion Ratio Lower Upper
43 100
57 287.5 0.0 17.4#





#23

Diethyl Ether

Concen: 0.244 ug/l

RT: 2.581 min Scan# 3

Delta R.T. 0.206 min

Lab File: VU052868.D

Acq: 30 Jan 2023 16:39

Instrument :

MSVOA_U

ClientSampleId :

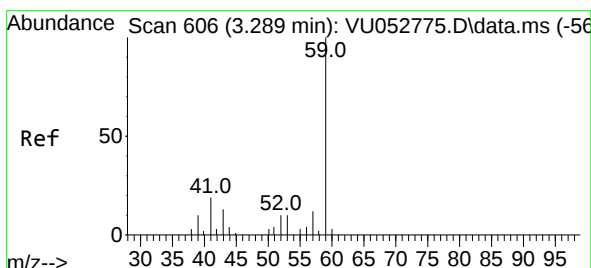
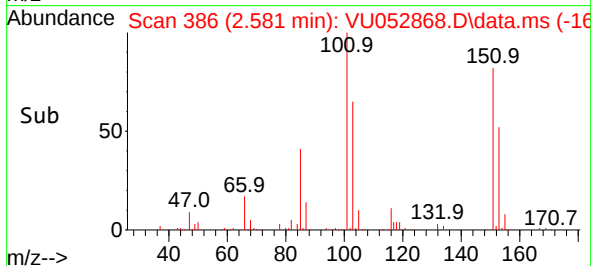
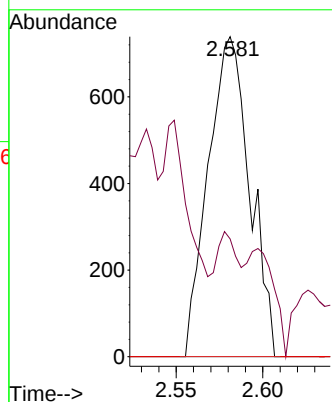
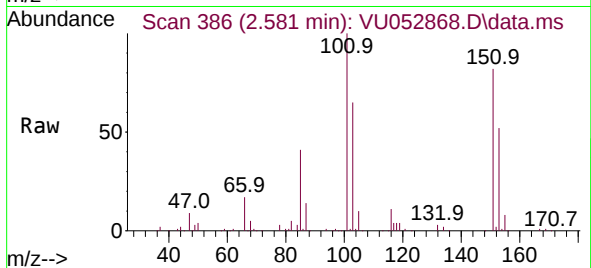
Tgt Ion: 59 Resp: 1235

Ion Ratio Lower Upper

59 100

45 5.3 52.1 78.1#

74 0.0 61.6 92.4#



#24

tert-Butyl Alcohol

Concen: 17.057 ug/l

RT: 3.221 min Scan# 585

Delta R.T. -0.068 min

Lab File: VU052868.D

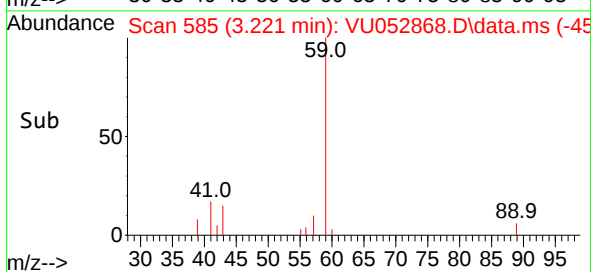
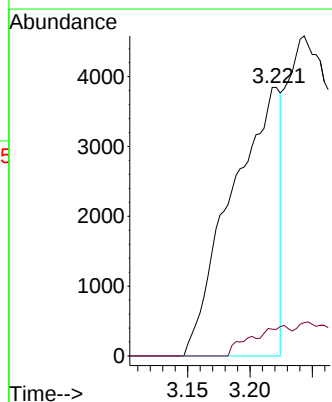
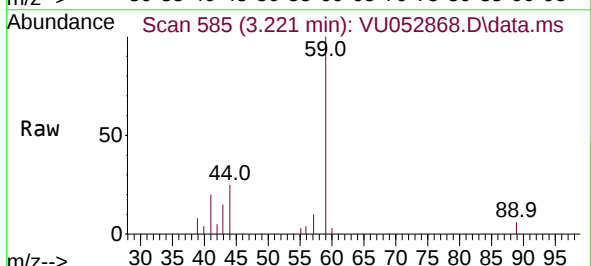
Acq: 30 Jan 2023 16:39

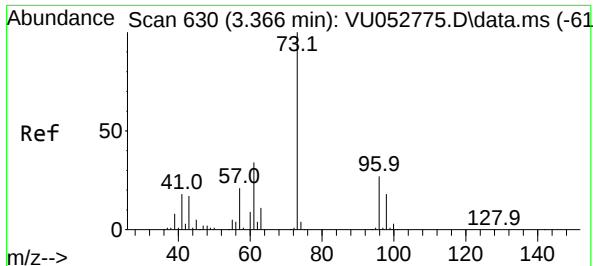
Tgt Ion: 59 Resp: 10403

Ion Ratio Lower Upper

59 100

57 0.0 45.8 68.8#

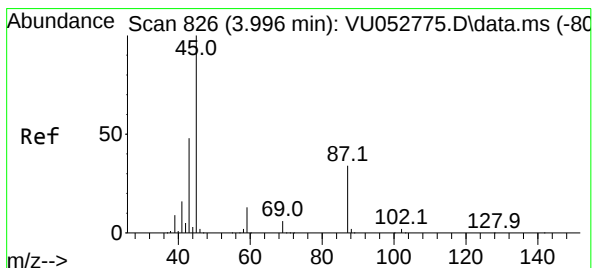
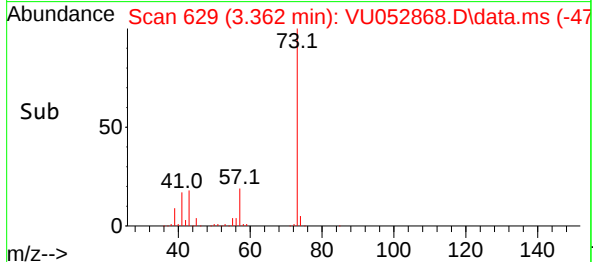
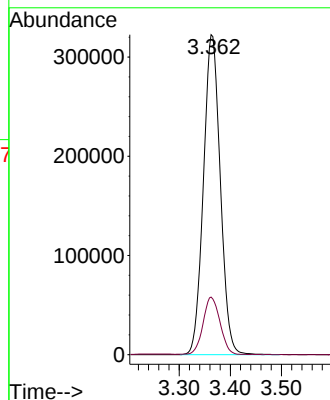
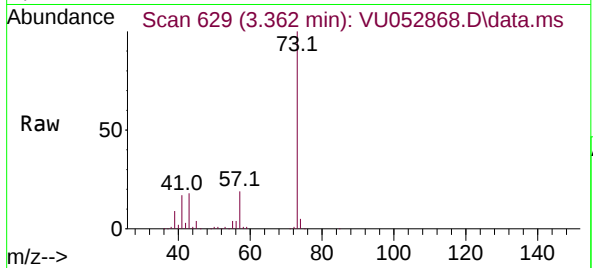




#25
Methyl tert-Butyl Ether
Concen: 45.004 ug/l
RT: 3.362 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

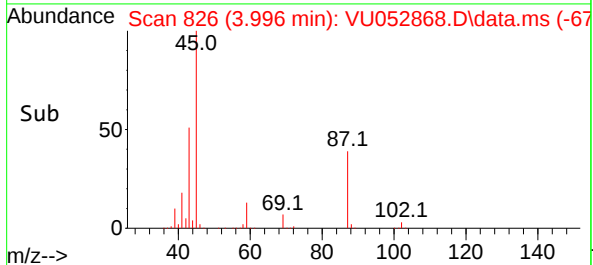
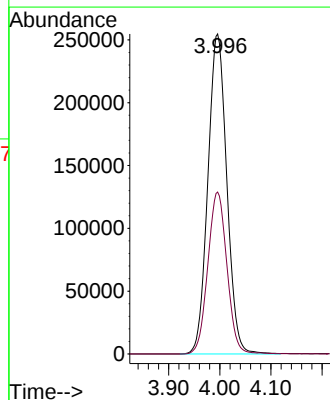
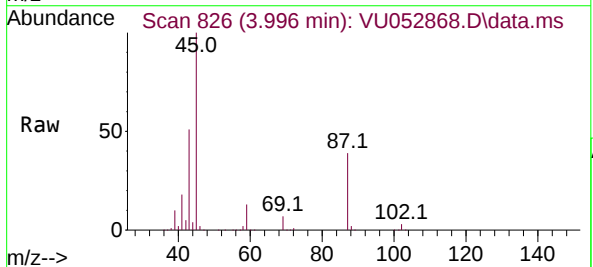
Instrument :
MSVOA_U
ClientSampleId :

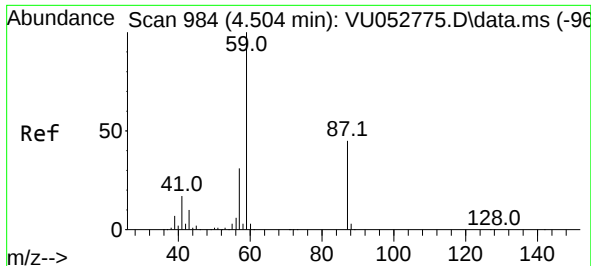
Tgt Ion: 73 Resp: 739706
Ion Ratio Lower Upper
73 100
43 18.0 15.3 22.9



#31
Isopropyl Ether
Concen: 33.871 ug/l
RT: 3.996 min Scan# 826
Delta R.T. -0.000 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

Tgt Ion: 45 Resp: 655420
Ion Ratio Lower Upper
45 100
43 51.1 24.5 73.5





#32

Ethyl-t-butyl ether

Concen: 46.608 ug/l

RT: 4.507 min Scan# 984

Delta R.T. 0.003 min

Lab File: VU052868.D

Acq: 30 Jan 2023 16:39

Instrument :

MSVOA_U

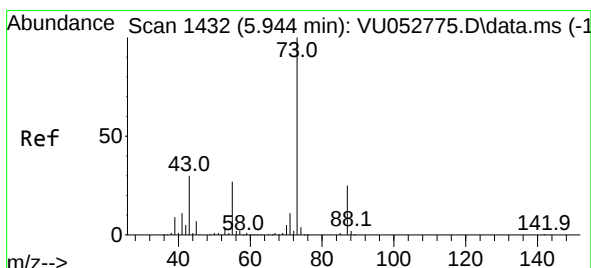
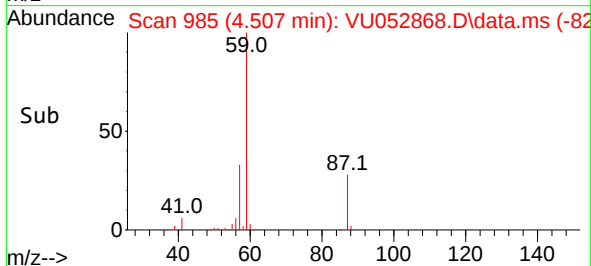
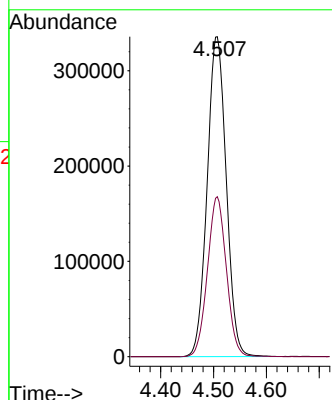
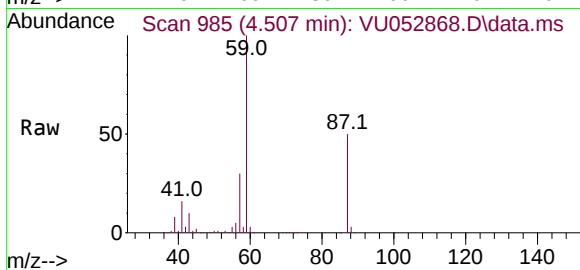
ClientSampleId :

Tgt Ion: 59 Resp: 842004

Ion Ratio Lower Upper

59 100

87 49.5 36.2 54.2



#33

Tert-Amyl methyl ether

Concen: 54.010 ug/l

RT: 5.944 min Scan# 1432

Delta R.T. -0.000 min

Lab File: VU052868.D

Acq: 30 Jan 2023 16:39

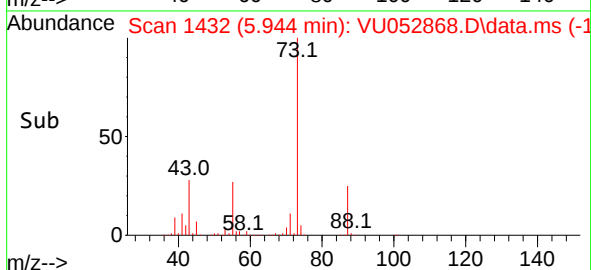
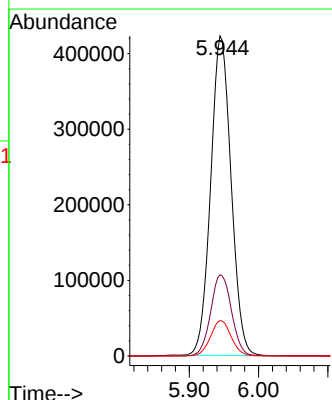
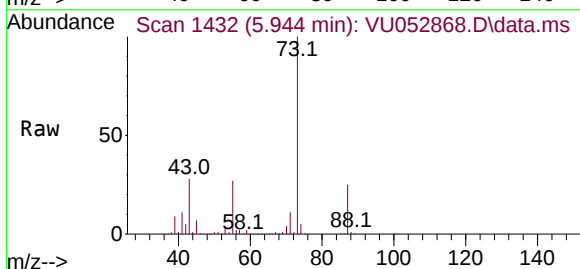
Tgt Ion: 73 Resp: 862890

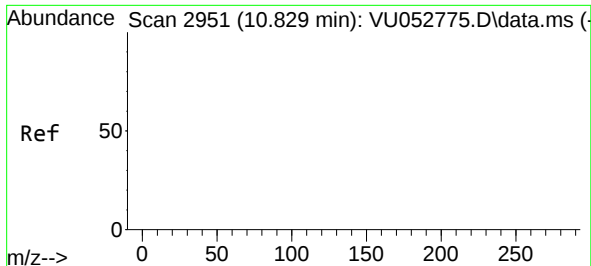
Ion Ratio Lower Upper

73 100

87 26.0 20.1 30.1

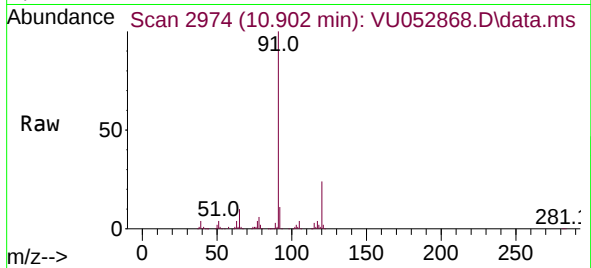
71 11.2 9.2 13.8



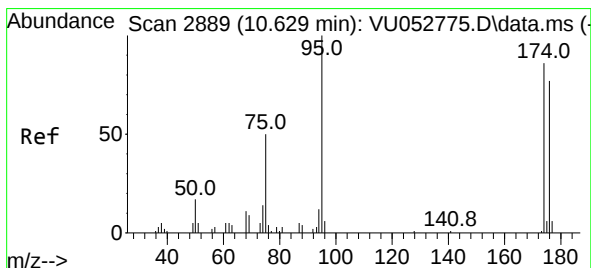
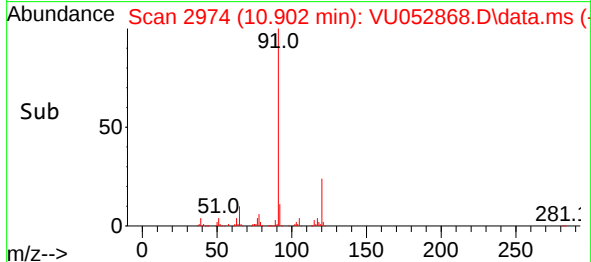
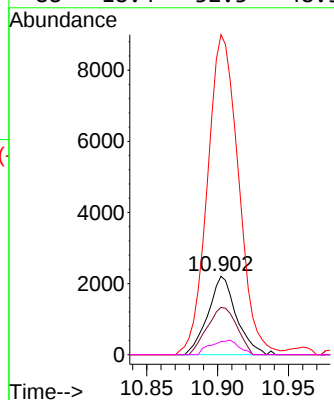


#46
t-1,4-Dichloro-2-butene
Concen: 1.333 ug/l
RT: 10.902 min Scan# 2951
Delta R.T. 0.074 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

Instrument :
MSVOA_U
ClientSampleId :

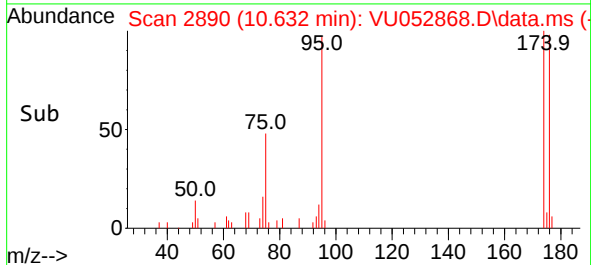
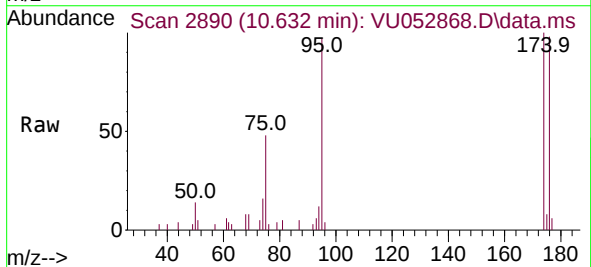
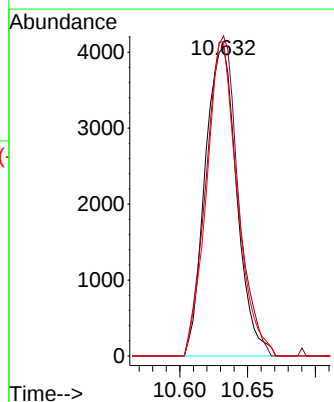


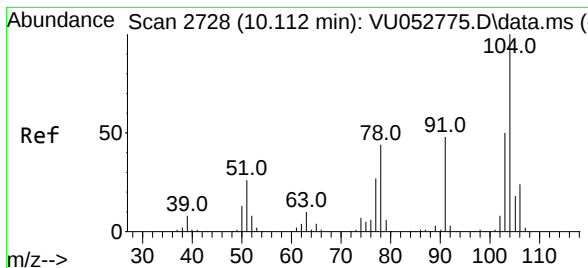
Tgt Ion: 75	Resp:	3074
Ion	Ratio	Lower Upper
75	100	
53	63.0	57.0 85.4
89	446.9	41.1 61.7#
88	18.4	32.3 48.5#



#57
4-Bromofluorobenzene
Concen: 0.649 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

Tgt Ion: 95	Resp:	6627
Ion	Ratio	Lower Upper
95	100	
174	104.8	66.9 100.3#
176	98.4	61.9 92.9#





#66

Styrene

Concen: 0.422 ug/l

RT: 10.111 min Scan# 21

Delta R.T. -0.001 min

Lab File: VU052868.D

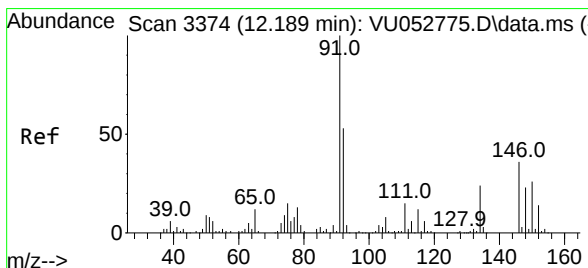
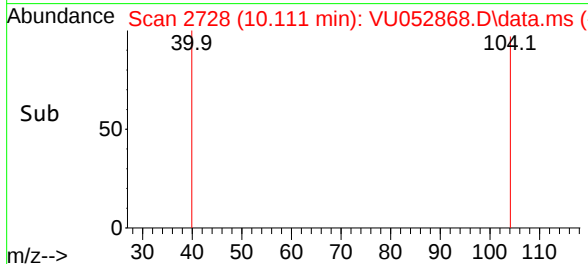
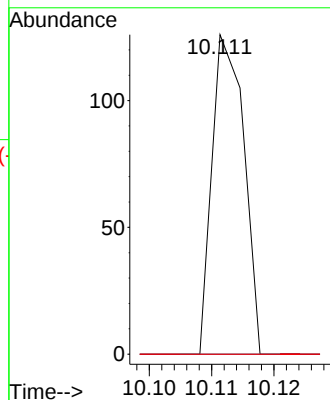
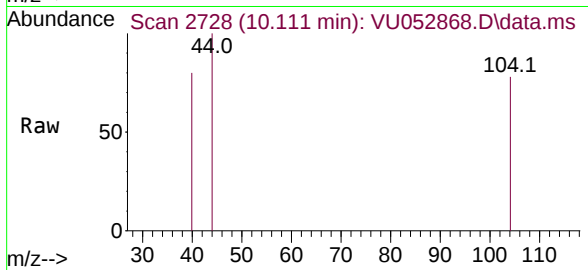
Acq: 30 Jan 2023 16:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	104	Resp:	45
Ion Ratio	Lower	Upper	
104	100		
78	0.0	39.6	59.4#
103	0.0	42.9	64.3#



#68

1,2-Dichlorobenzene-d4

Concen: 0.956 ug/l

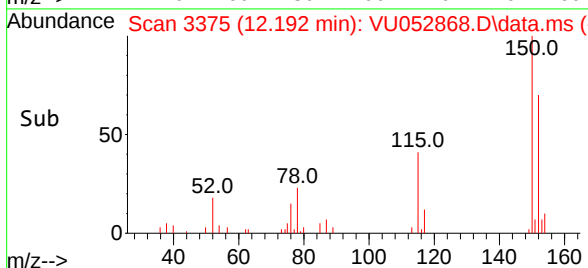
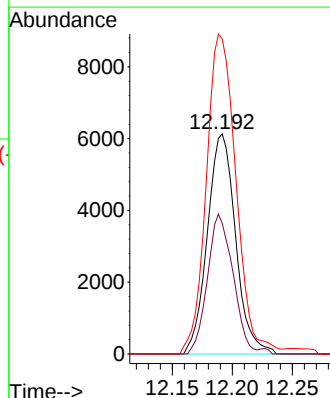
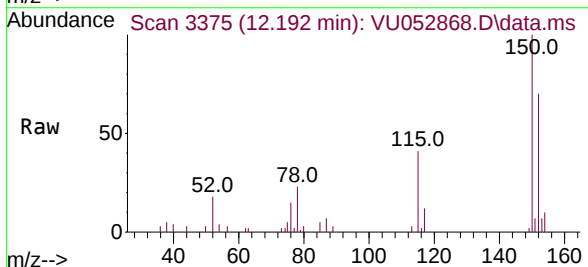
RT: 12.192 min Scan# 3375

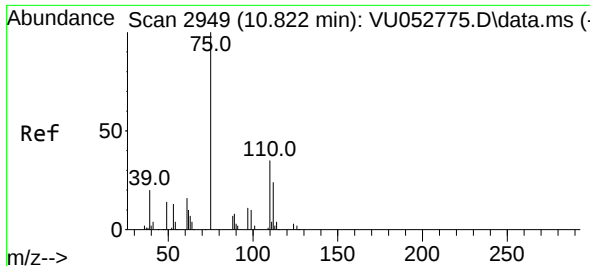
Delta R.T. 0.003 min

Lab File: VU052868.D

Acq: 30 Jan 2023 16:39

Tgt Ion:	152	Resp:	10049
Ion Ratio	Lower	Upper	
152	100		
115	57.3	0.0	262.6
150	152.9	0.0	638.0

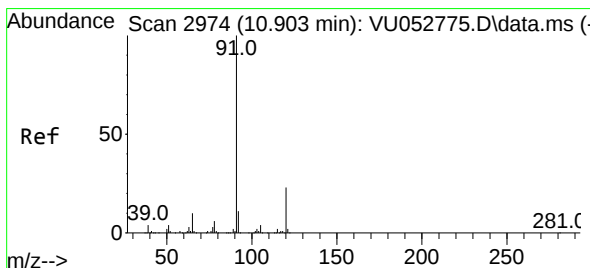
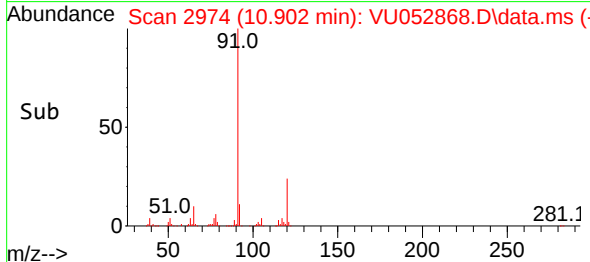
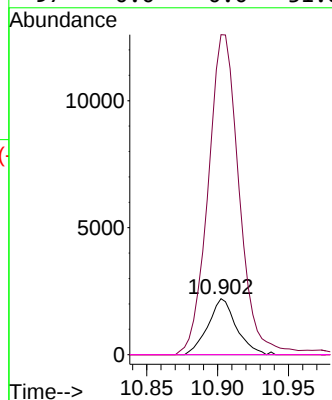
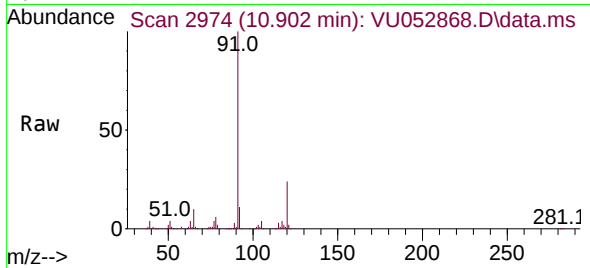




#71
1,2,3-Trichloropropane
Concen: 0.479 ug/l
RT: 10.902 min Scan# 2949
Delta R.T. 0.080 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

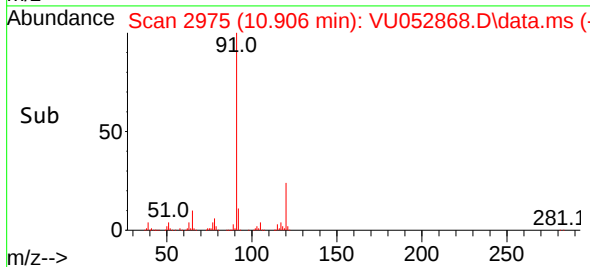
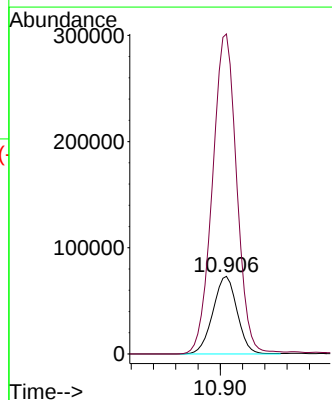
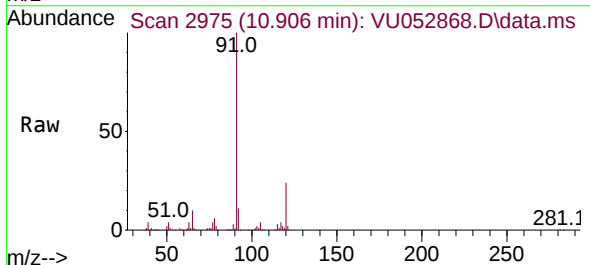
Instrument :
MSVOA_U
ClientSampleId :

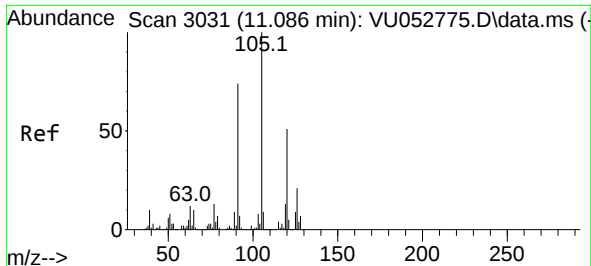
Tgt Ion: 75	Resp: 3074
Ion Ratio	Lower Upper
75 100	
77 625.8	0.0 86.0#
110 0.0	0.0 63.8
97 0.0	0.0 31.8



#73
n-propylbenzene
Concen: 9.591 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. 0.003 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

Tgt Ion: 120	Resp: 110312
Ion Ratio	Lower Upper
120 100	
91 413.9	348.0 522.0

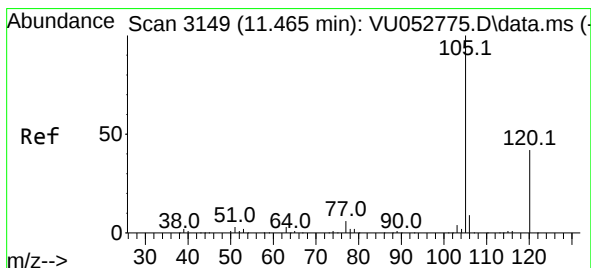
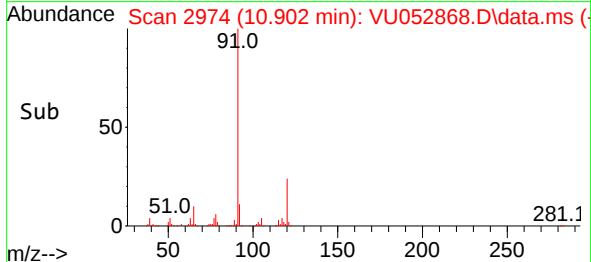
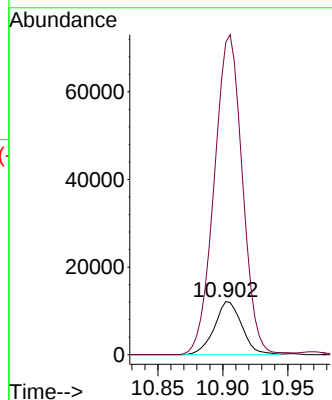
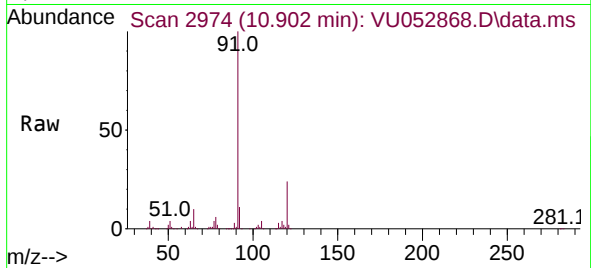




#75
1,3,5-Trimethylbenzene
Concen: 0.907 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. -0.184 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

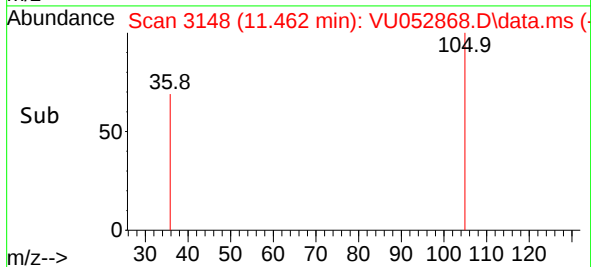
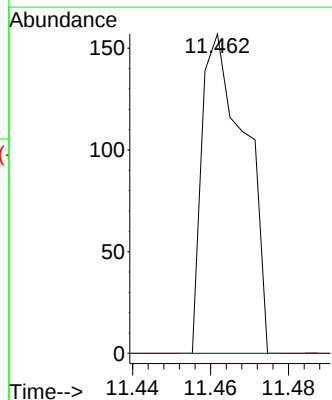
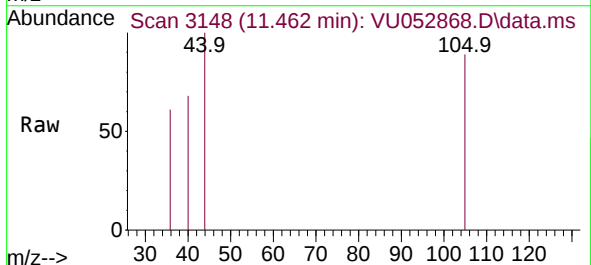
Instrument :
MSVOA_U
ClientSampleId :

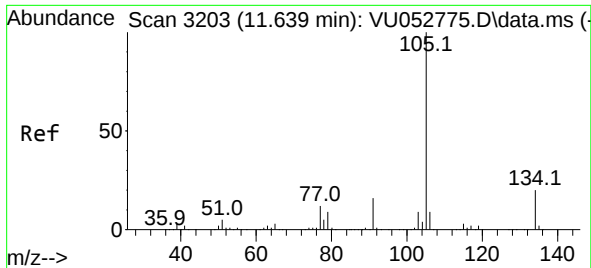
Tgt Ion:105 Resp: 17843
Ion Ratio Lower Upper
105 100
120 618.2 39.9 59.9#



#78
1,2,4-Trimethylbenzene
Concen: 0.458 ug/l
RT: 11.462 min Scan# 3148
Delta R.T. -0.003 min
Lab File: VU052868.D
Acq: 30 Jan 2023 16:39

Tgt Ion:105 Resp: 121
Ion Ratio Lower Upper
105 100
120 0.0 23.4 70.3#

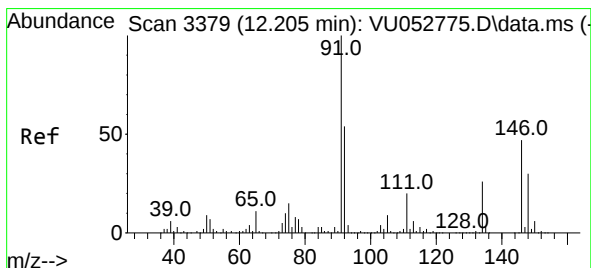
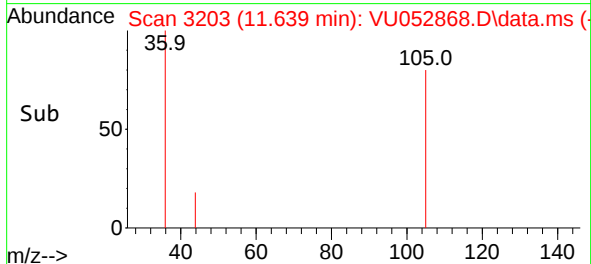
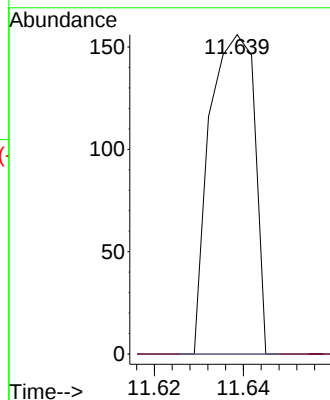
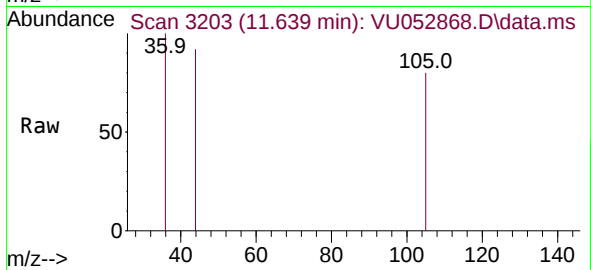




#79
 sec-Butylbenzene
 Concen: 0.431 ug/l
 RT: 11.639 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU052868.D
 Acq: 30 Jan 2023 16:39

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:105 Resp: 109
 Ion Ratio Lower Upper
 105 100
 134 0.0 16.5 24.7#



#84
 n-Butylbenzene
 Concen: 0.558 ug/l
 RT: 12.214 min Scan# 3382
 Delta R.T. 0.009 min
 Lab File: VU052868.D
 Acq: 30 Jan 2023 16:39

Tgt Ion: 91 Resp: 157
 Ion Ratio Lower Upper
 91 100
 92 0.0 43.4 65.0#
 134 0.0 21.2 31.8#

