

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053789.D
 Acq On : 19 Apr 2023 18:42
 Operator : JC/MD
 Sample : 02035-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 38150-121121

Quant Time: Apr 20 08:51:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 20 08:39:07 2023
 Response via : Initial Calibration

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

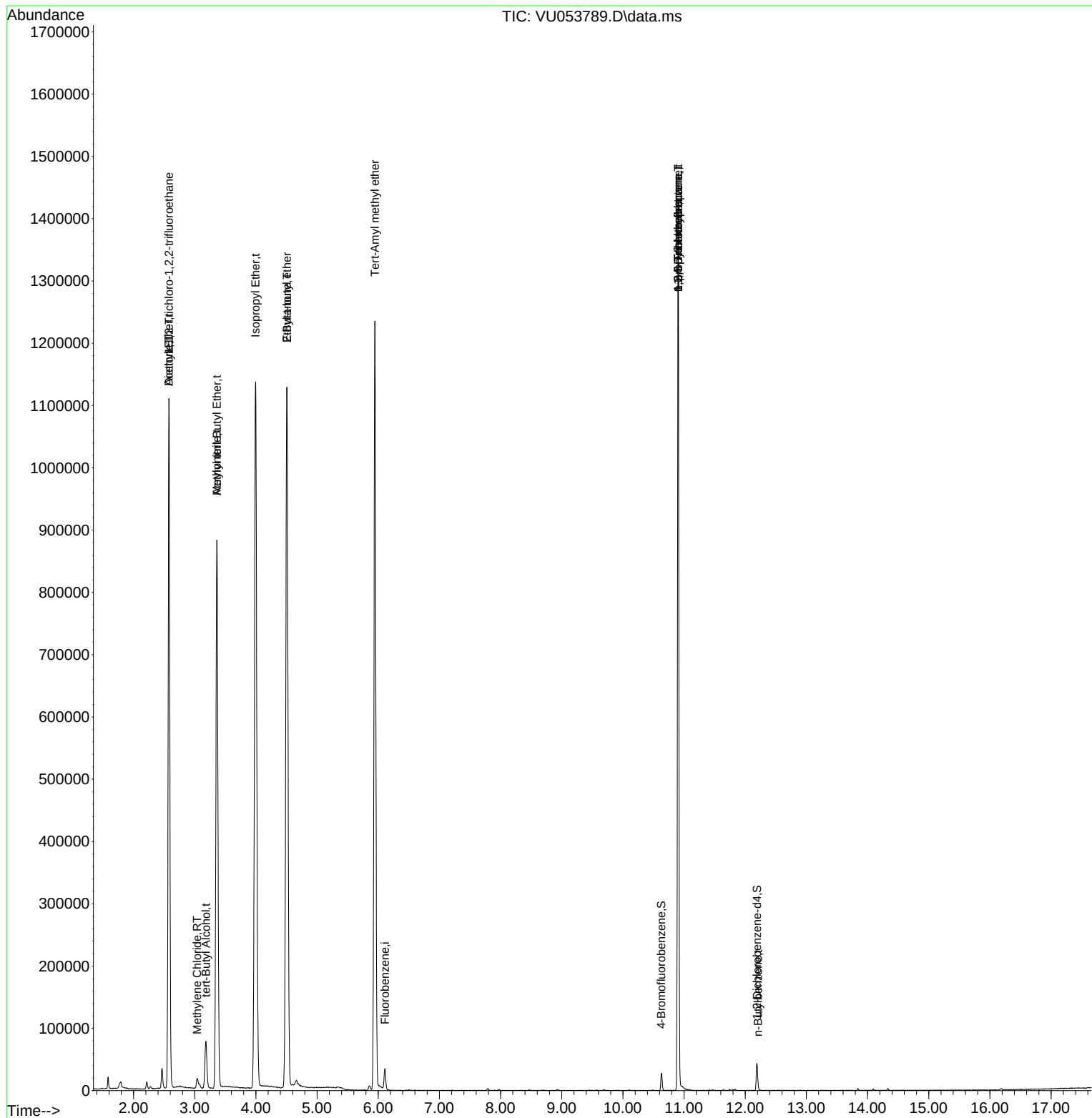
Internal Standards						
1) Fluorobenzene	6.108	96	30790	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	9511	0.788	ug/l	0.00
Spiked Amount 1.000			Recovery	=	79.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	12777	0.890	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
					Qvalue	
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	450507	42.391	ug/l	95
12) Acrylonitrile	3.362	53	10207	4.696	ug/l #	29
13) Acetone	2.575	43	3633	1.196	ug/l #	73
15) Methylene Chloride	3.038	84	7708	0.605	ug/l	92
18) 2-Butanone	4.507	43	105483	26.779	ug/l #	1
23) Diethyl Ether	2.575	59	3085	0.481	ug/l #	24
24) tert-Butyl Alcohol	3.182	59	62537	75.065	ug/l #	1
25) Methyl tert-Butyl Ether	3.362	73	1063804	43.828	ug/l	93
31) Isopropyl Ether	3.996	45	1194063	42.552	ug/l	90
32) Ethyl-t-butyl ether	4.507	59	1194412	42.077	ug/l	95
33) Tert-Amyl methyl ether	5.944	73	1064237	51.310	ug/l	97
46) t-1,4-Dichloro-2-butene	10.902	75	6863	3.307	ug/l #	1
71) 1,2,3-Trichloropropane	10.902	75	6863	0.947	ug/l #	1
73) n-propylbenzene	10.902	120	244347	20.129	ug/l	90
75) 1,3,5-Trimethylbenzene	10.902	105	38110	0.998	ug/l #	1
84) n-Butylbenzene	12.208	91	1194	0.269	ug/l	92

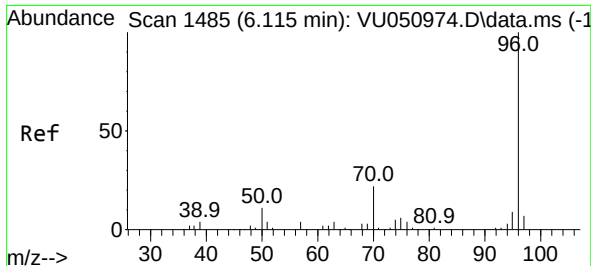
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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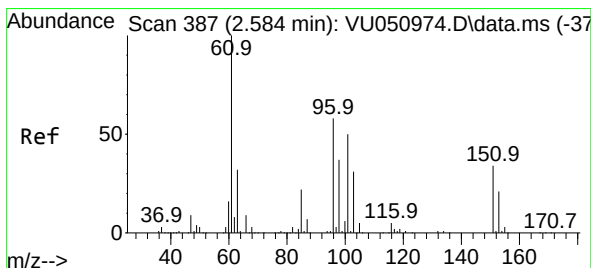
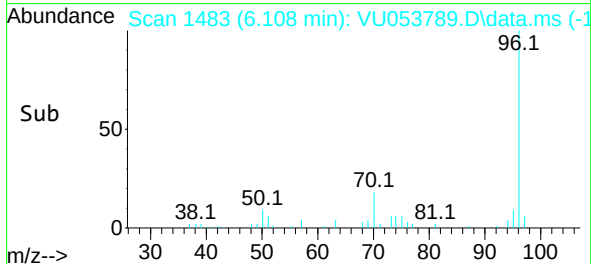
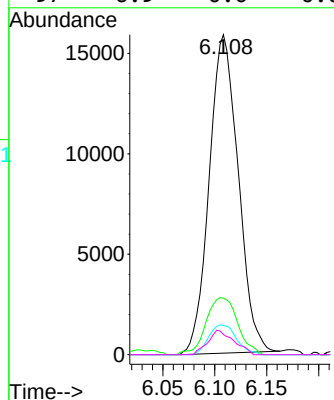
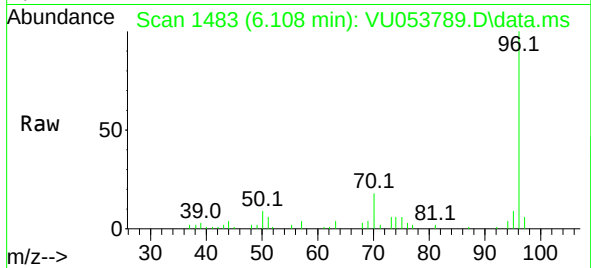




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.108 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

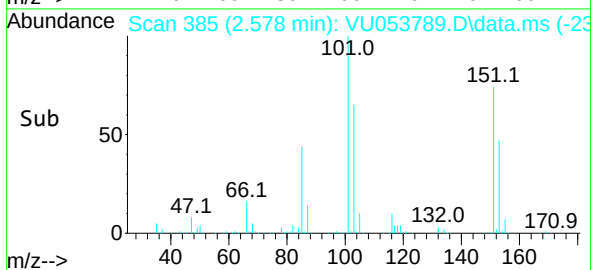
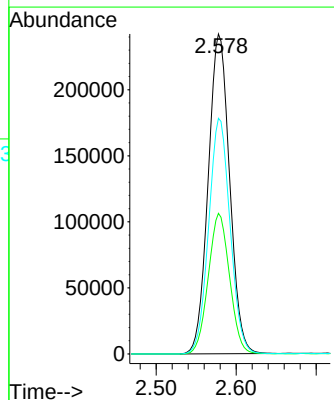
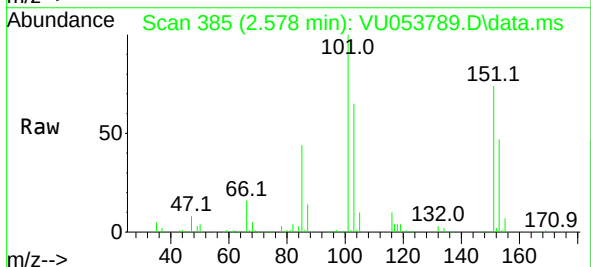
Instrument :
MSVOA_U
ClientSampleId :
38150-121121

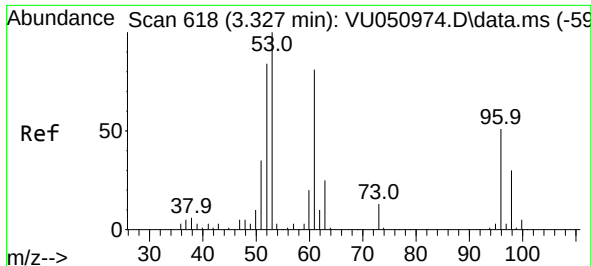
Tgt Ion:	96	Resp:	30790
Ion	Ratio	Lower	Upper
96	100		
70	19.5	16.5	24.7
95	8.9	7.4	11.0
97	6.9	0.0	0.0



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 42.391 ug/l
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

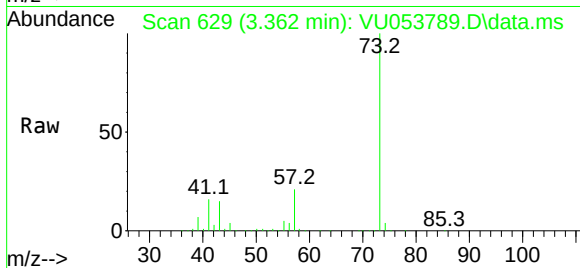
Tgt Ion:	101	Resp:	450507
Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.4	53.0
151	73.7	54.0	81.0



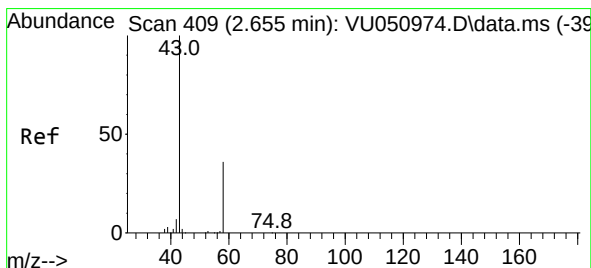
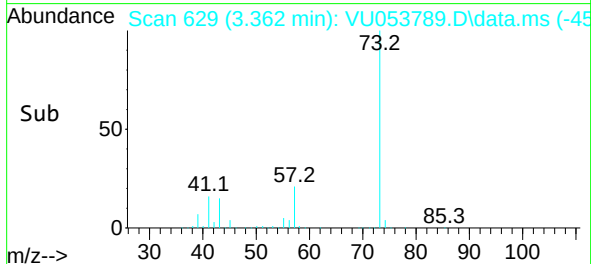
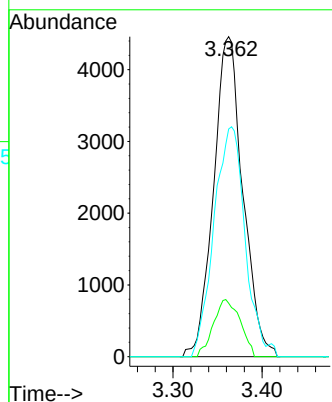


#12
Acrylonitrile
Concen: 4.696 ug/l
RT: 3.362 min Scan# 61
Delta R.T. 0.054 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

Instrument :
MSVOA_U
ClientSampleId :
38150-121121

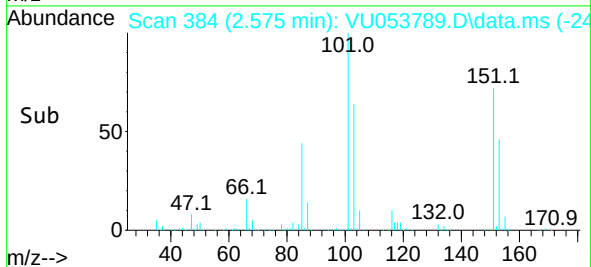
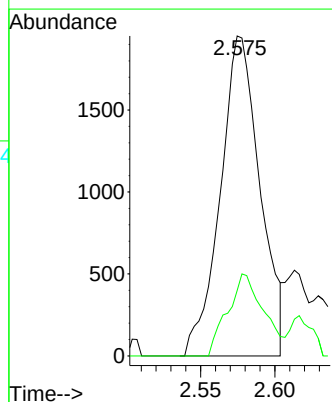
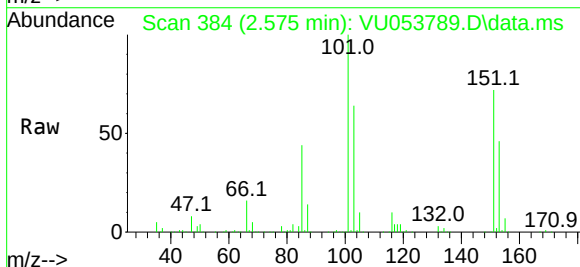


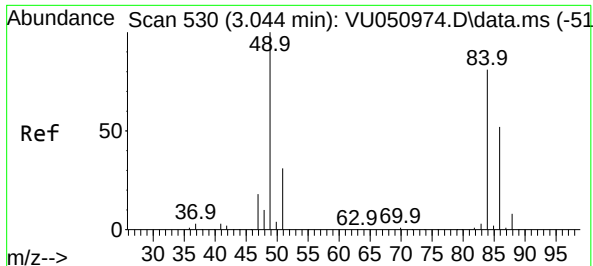
Tgt Ion: 53 Resp: 10207
Ion Ratio Lower Upper
53 100
52 16.3 62.9 94.3#
51 76.1 27.8 41.6#



#13
Acetone
Concen: 1.196 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.045 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

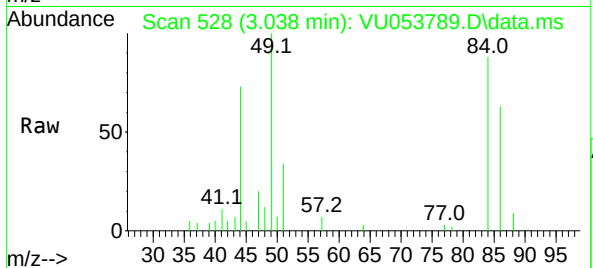
Tgt Ion: 43 Resp: 3633
Ion Ratio Lower Upper
43 100
58 20.4 29.0 43.4#



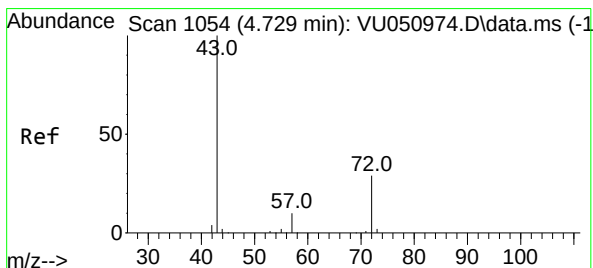
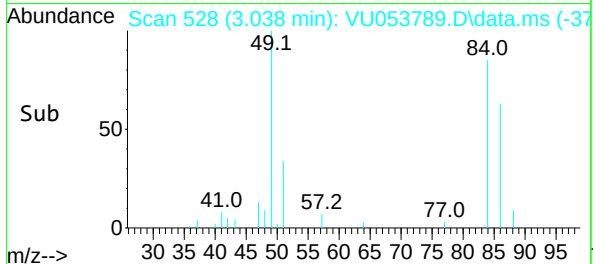
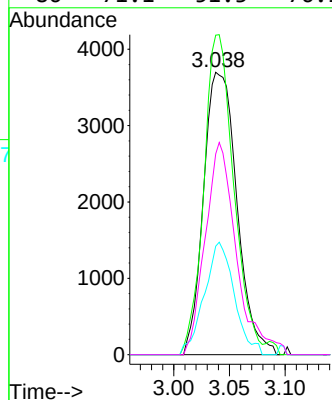


#15
Methylene Chloride
Concen: 0.605 ug/l
RT: 3.038 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

Instrument :
MSVOA_U
ClientSampleId :
38150-121121

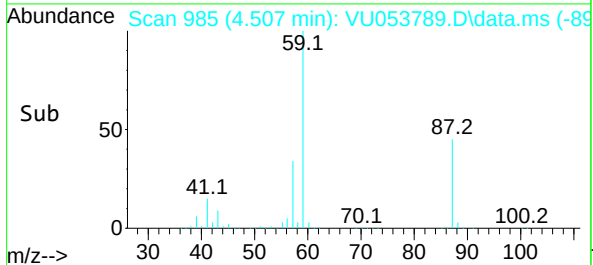
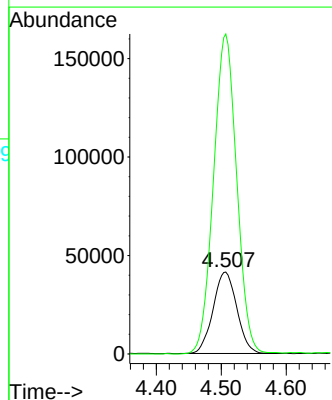
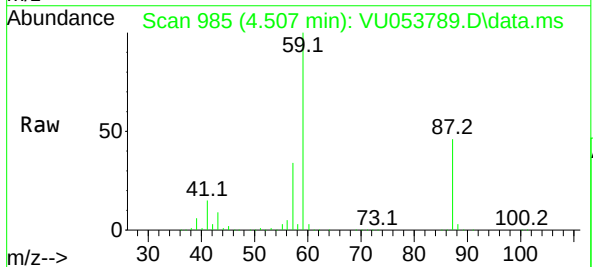


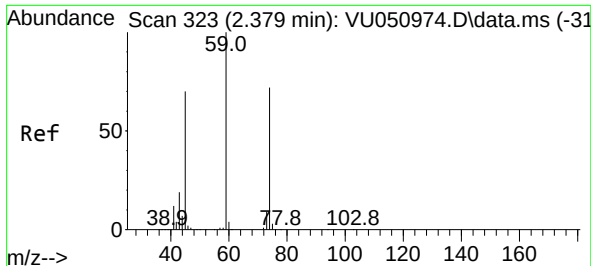
Tgt Ion:	84	Resp:	7708
Ion	Ratio	Lower	Upper
84	100		
49	113.1	98.9	148.3
51	38.4	0.0	75.4
86	71.1	51.3	76.9



#18
2-Butanone
Concen: 26.779 ug/l
RT: 4.507 min Scan# 985
Delta R.T. -0.206 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

Tgt Ion:	43	Resp:	105483
Ion	Ratio	Lower	Upper
43	100		
57	392.6	0.0	19.6#

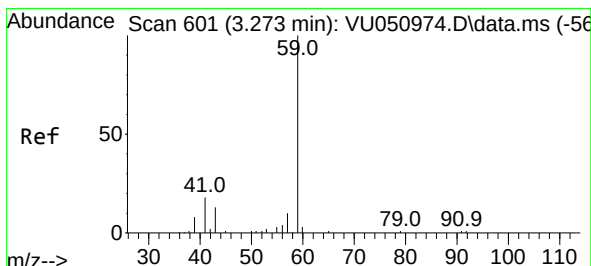
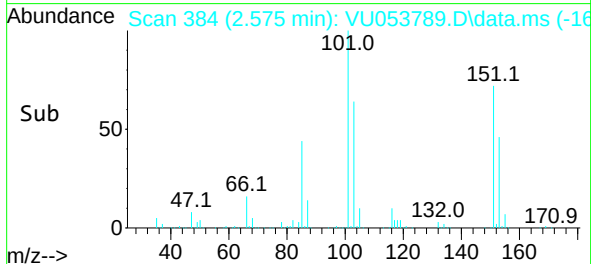
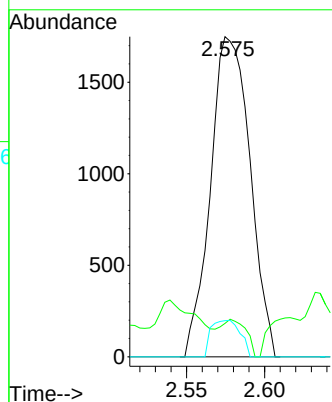
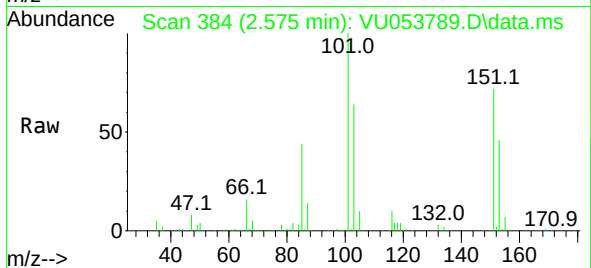




#23
Diethyl Ether
Concen: 0.481 ug/l
RT: 2.575 min Scan# 31
Delta R.T. 0.199 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

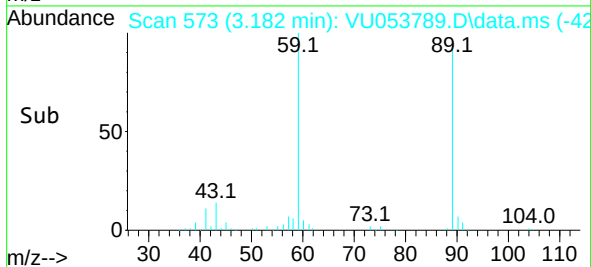
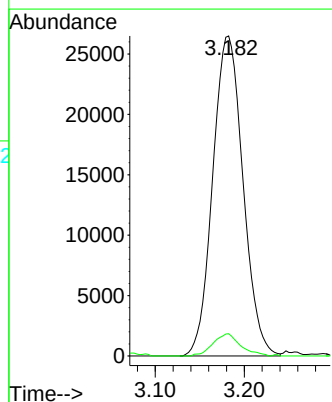
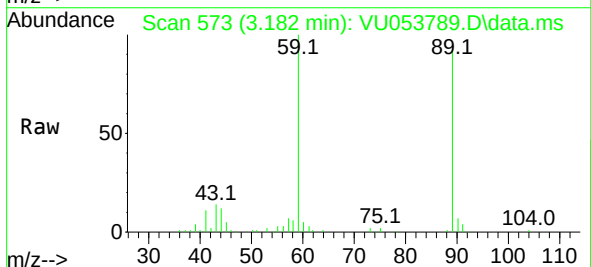
Instrument :
MSVOA_U
ClientSampleId :
38150-121121

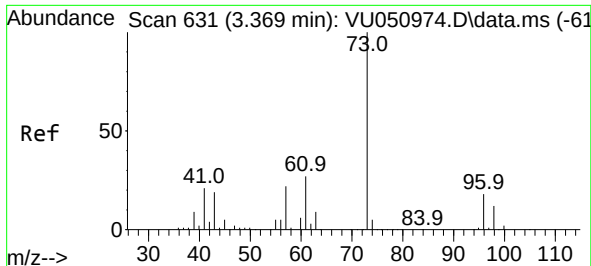
Tgt Ion: 59 Resp: 3085
Ion Ratio Lower Upper
59 100
45 7.5 56.1 84.1#
74 8.3 57.4 86.2#



#24
tert-Butyl Alcohol
Concen: 75.065 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.007 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

Tgt Ion: 59 Resp: 62537
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4#

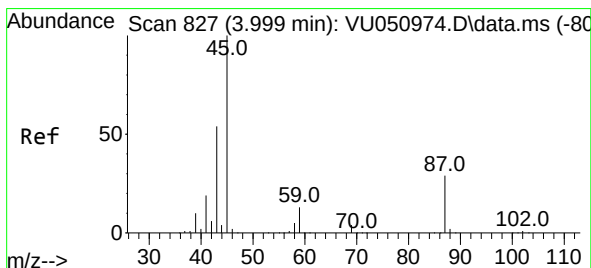
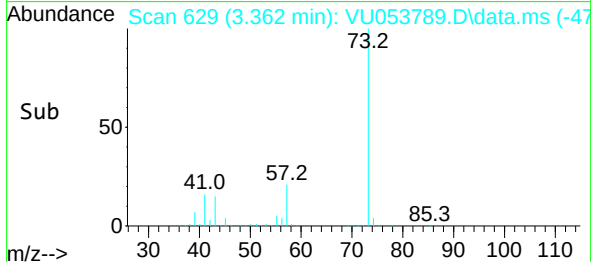
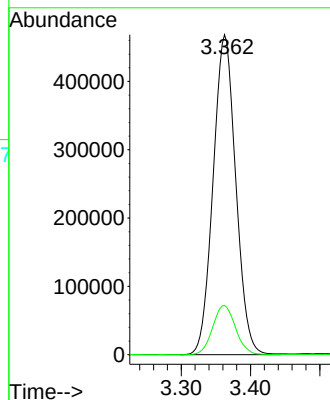
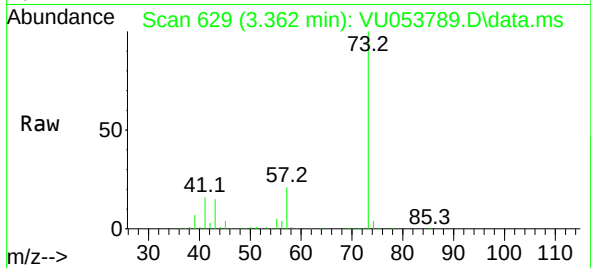




#25
Methyl tert-Butyl Ether
Concen: 43.828 ug/l
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

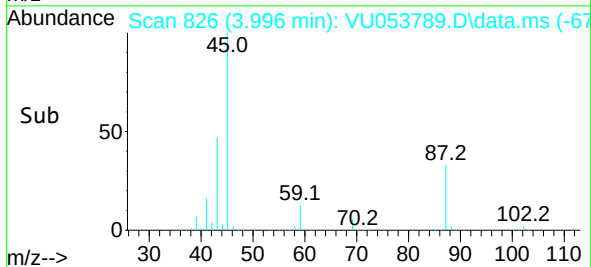
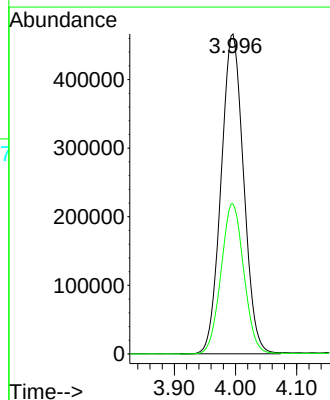
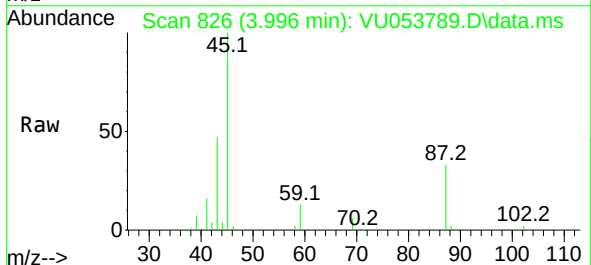
Instrument :
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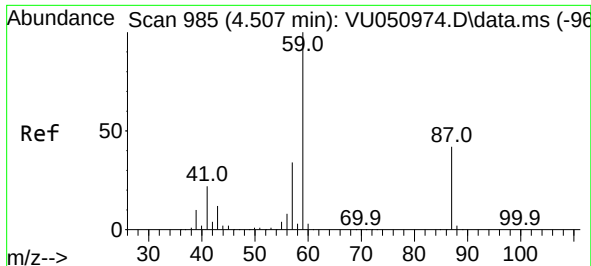
Tgt Ion: 73 Resp: 1063804
Ion Ratio Lower Upper
73 100
43 15.6 15.0 22.6



#31
Isopropyl Ether
Concen: 42.552 ug/l
RT: 3.996 min Scan# 826
Delta R.T. -0.000 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

Tgt Ion: 45 Resp: 1194063
Ion Ratio Lower Upper
45 100
43 47.7 27.5 82.5

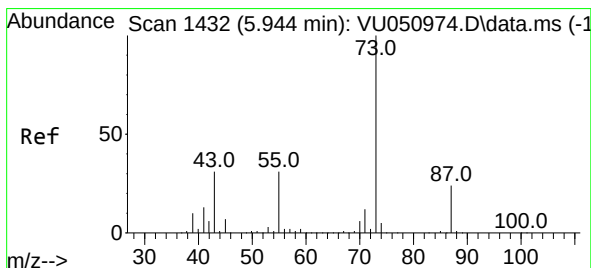
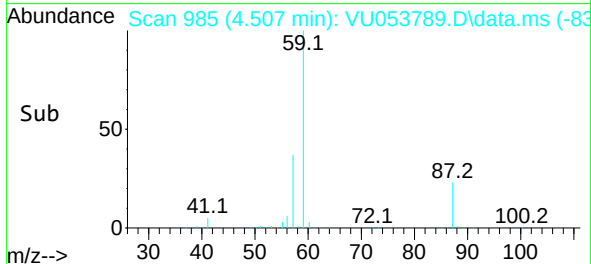
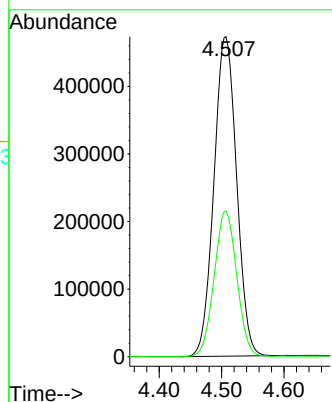
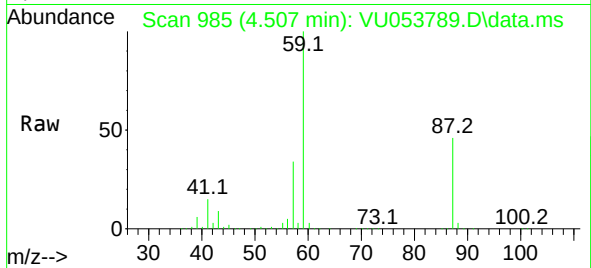




#32
Ethyl-t-butyl ether
Concen: 42.077 ug/l
RT: 4.507 min Scan# 91
Delta R.T. -0.000 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

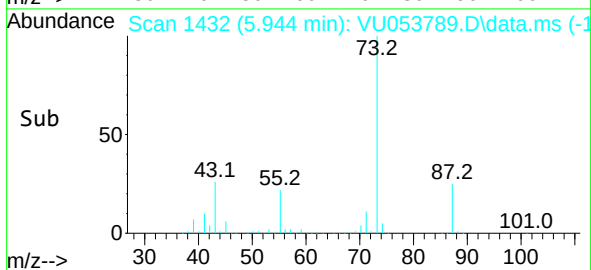
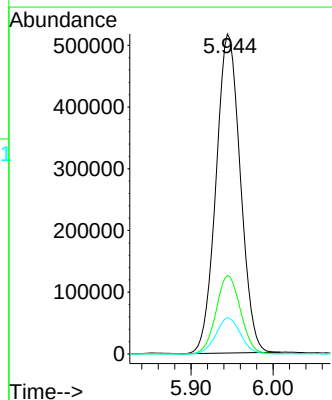
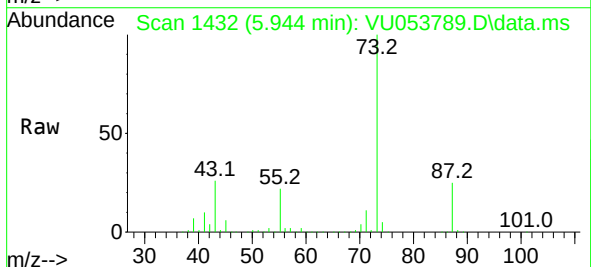
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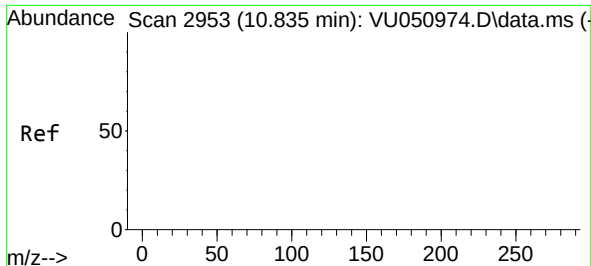
Tgt Ion: 59 Resp: 1194412
Ion Ratio Lower Upper
59 100
87 45.3 33.5 50.3



#33
Tert-Amyl methyl ether
Concen: 51.310 ug/l
RT: 5.944 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

Tgt Ion: 73 Resp: 1064237
Ion Ratio Lower Upper
73 100
87 24.7 18.6 28.0
71 11.4 9.9 14.9

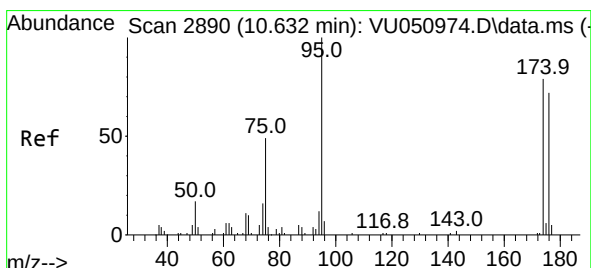
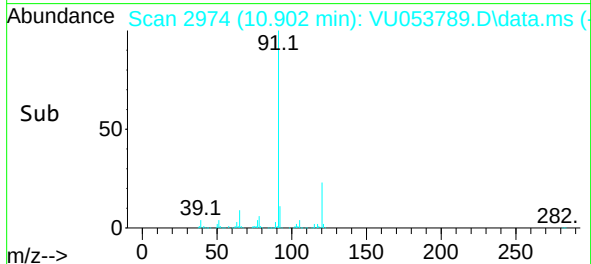
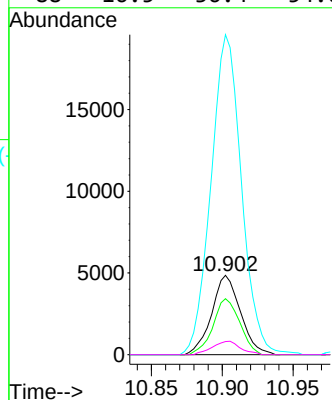
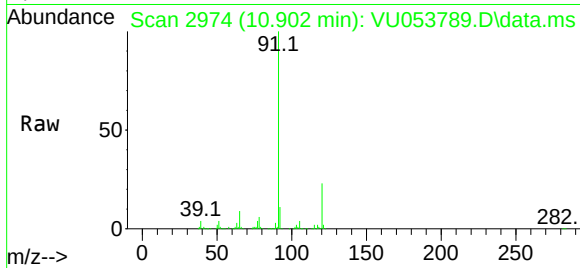




#46
t-1,4-Dichloro-2-butene
Concen: 3.307 ug/l
RT: 10.902 min Scan# 2953
Delta R.T. 0.070 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

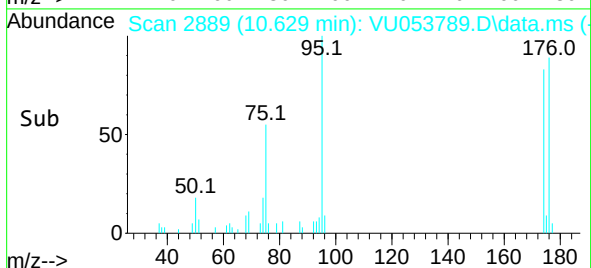
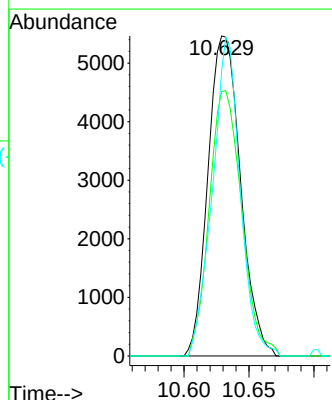
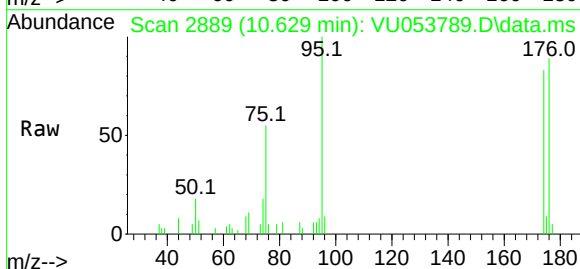
Instrument :
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38150-121121

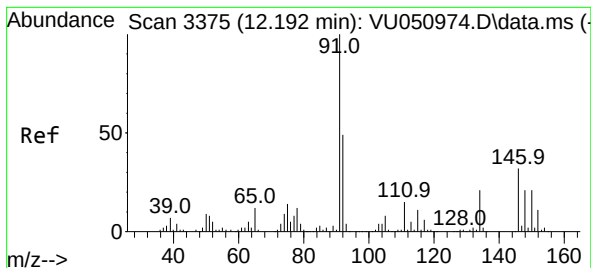
Tgt Ion:	75	Resp:	6863
Ion	Ratio	Lower	Upper
75	100		
53	65.4	73.3	109.9#
89	427.4	48.2	72.4#
88	16.5	36.4	54.6#



#57
4-Bromofluorobenzene
Concen: 0.788 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.003 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

Tgt Ion:	95	Resp:	9511
Ion	Ratio	Lower	Upper
95	100		
174	82.4	63.3	94.9
176	85.1	59.3	88.9





#68

1,2-Dichlorobenzene-d4

Concen: 0.890 ug/l

RT: 12.192 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU053789.D

Acq: 19 Apr 2023 18:42

Instrument :

MSVOA_U

ClientSampleId :

38150-121121

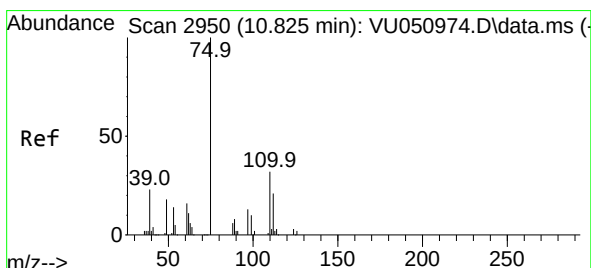
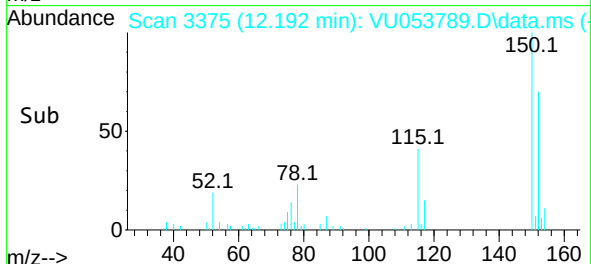
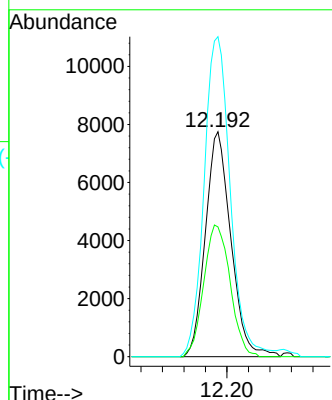
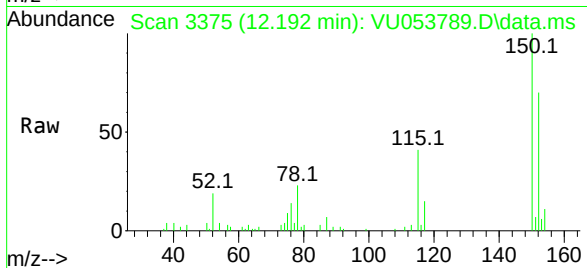
Tgt Ion:152 Resp: 12777

Ion Ratio Lower Upper

152 100

115 60.5 0.0 308.8

150 145.7 0.0 635.0



#71

1,2,3-Trichloropropane

Concen: 0.947 ug/l

RT: 10.902 min Scan# 2974

Delta R.T. 0.080 min

Lab File: VU053789.D

Acq: 19 Apr 2023 18:42

Tgt Ion: 75 Resp: 6863

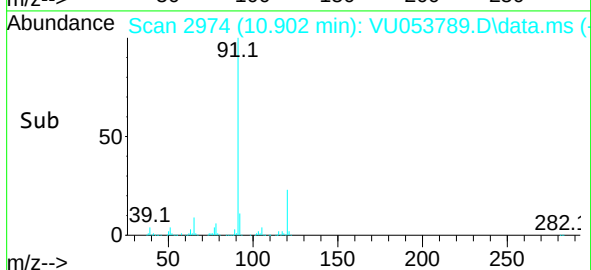
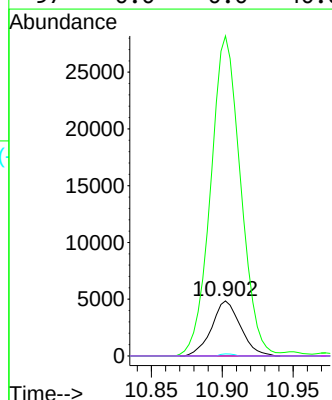
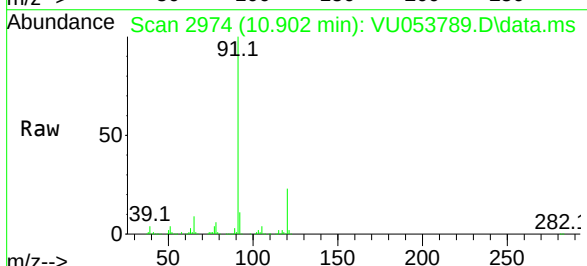
Ion Ratio Lower Upper

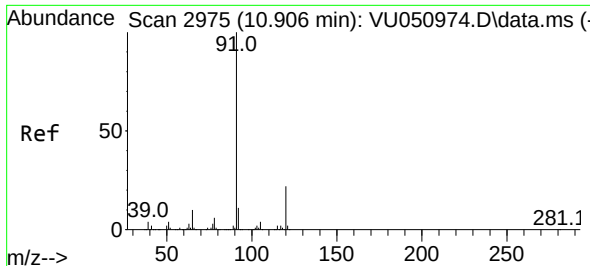
75 100

77 603.4 0.0 116.4#

110 1.7 0.0 74.6

97 0.0 0.0 40.0

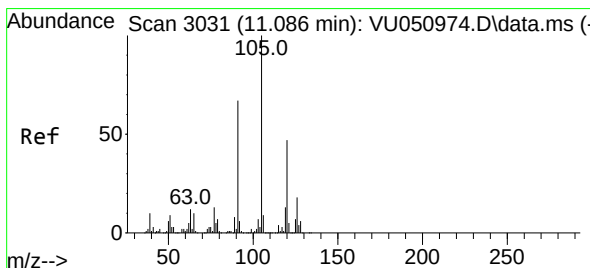
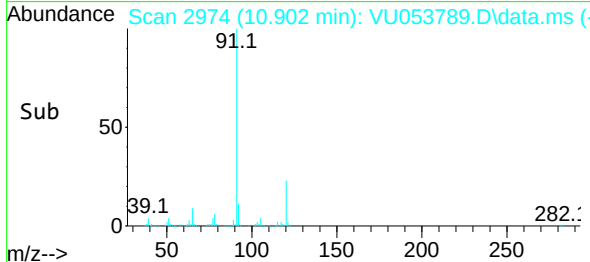
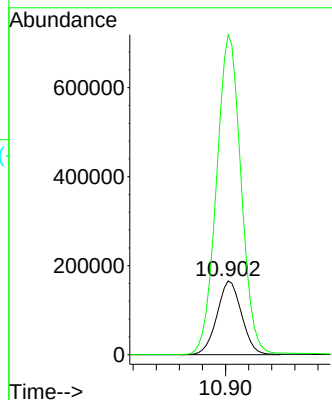
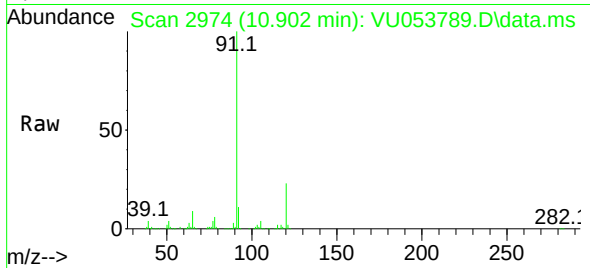




#73
n-propylbenzene
Concen: 20.129 ug/l
RT: 10.902 min Scan# 2975
Delta R.T. -0.000 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

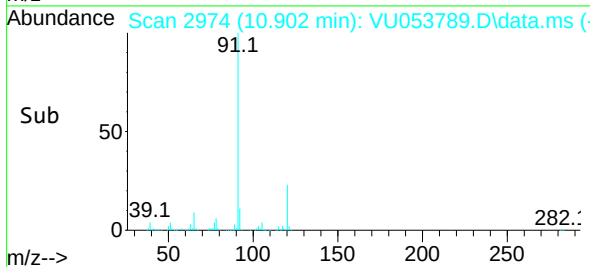
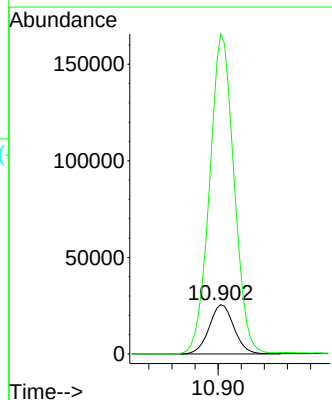
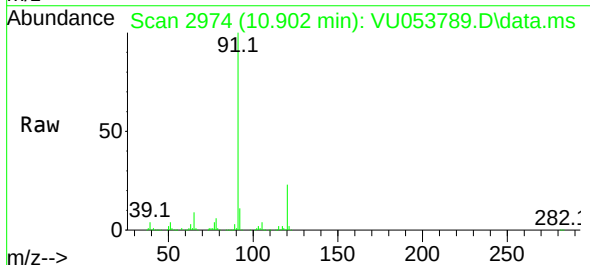
Instrument :
MSVOA_U
ClientSampleId :
38150-121121

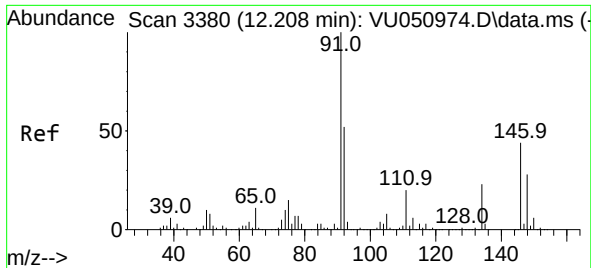
Tgt Ion:120 Resp: 244347
Ion Ratio Lower Upper
120 100
91 436.0 369.8 554.6



#75
1,3,5-Trimethylbenzene
Concen: 0.998 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. -0.183 min
Lab File: VU053789.D
Acq: 19 Apr 2023 18:42

Tgt Ion:105 Resp: 38110
Ion Ratio Lower Upper
105 100
120 641.2 37.8 56.8#





#84
 n-Butylbenzene
 Concen: 0.269 ug/l
 RT: 12.208 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU053789.D
 Acq: 19 Apr 2023 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 38150-121121

Tgt Ion: 91	Resp:	1194	
Ion Ratio	Lower	Upper	
91	100		
92	57.6	40.8	61.2
134	25.6	18.4	27.6

