

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053790.D
 Acq On : 19 Apr 2023 19:13
 Operator : JC/MD
 Sample : 02304-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 38150-111522

Quant Time: Apr 20 08:51:31 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)

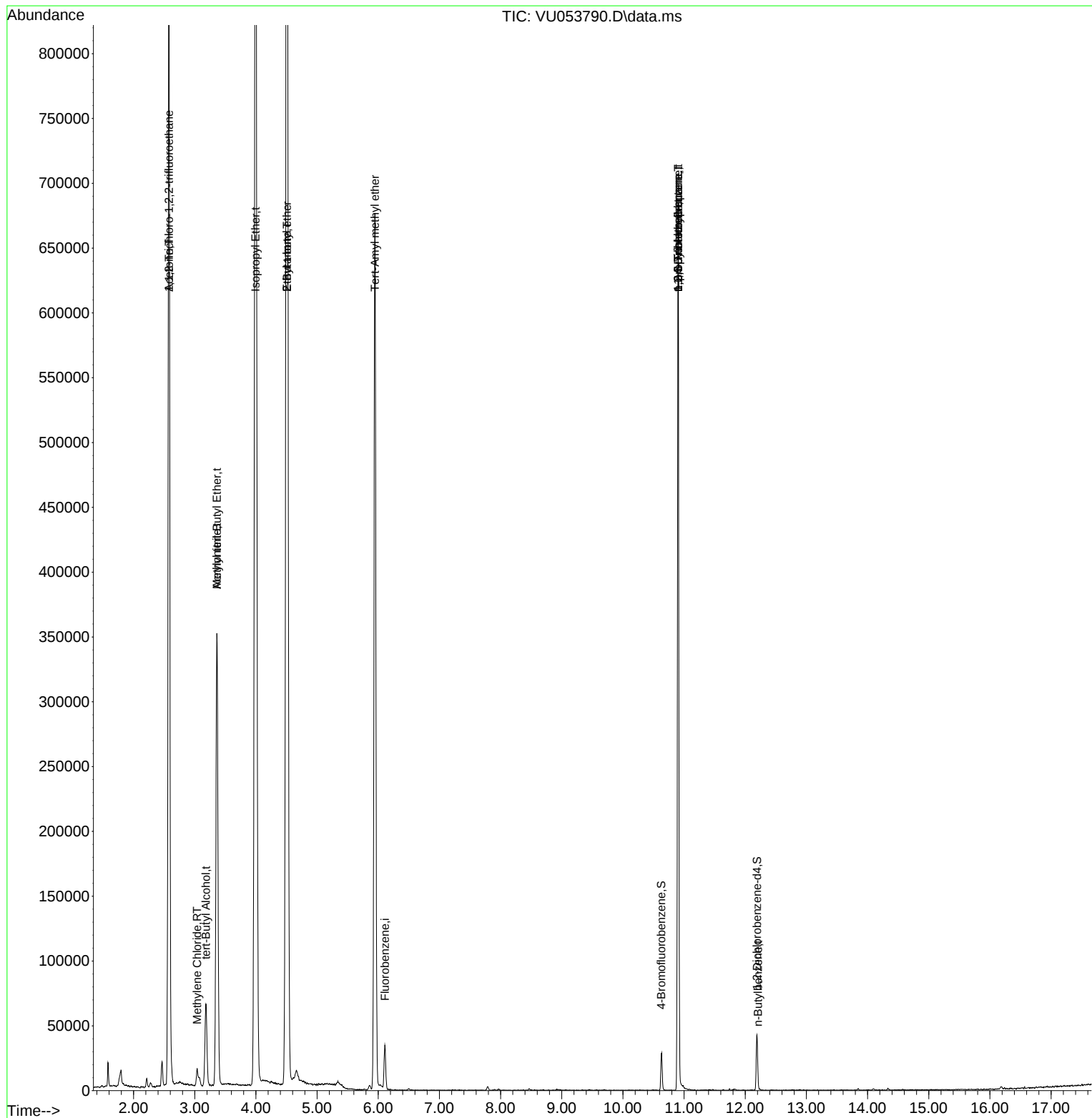
Internal Standards						
1) Fluorobenzene	6.108	96	31259	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	10036	0.819	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	12781	0.877	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
Target Compounds						
					Qvalue	
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	362244	33.574	ug/l	95
12) Acrylonitrile	3.362	53	4103	1.859	ug/l #	23
13) Acetone	2.578	43	2687	0.871	ug/l	90
15) Methylene Chloride	3.038	84	5868	0.453	ug/l	94
18) 2-Butanone	4.507	43	116498	29.132	ug/l #	1
24) tert-Butyl Alcohol	3.182	59	52467	62.033	ug/l #	1
25) Methyl tert-Butyl Ether	3.362	73	418526	16.984	ug/l	93
31) Isopropyl Ether	3.993	45	1207743	42.394	ug/l	90
32) Ethyl-t-butyl ether	4.507	59	1322975	45.907	ug/l	94
33) Tert-Amyl methyl ether	5.944	73	579995	27.544	ug/l	98
46) t-1,4-Dichloro-2-butene	10.902	75	3387	1.607	ug/l #	1
71) 1,2,3-Trichloropropane	10.902	75	3387	0.460	ug/l #	1
73) n-propylbenzene	10.902	120	117701	9.551	ug/l	89
75) 1,3,5-Trimethylbenzene	10.902	105	17853	0.461	ug/l #	1
84) n-Butylbenzene	12.208	91	592	0.254	ug/l #	80

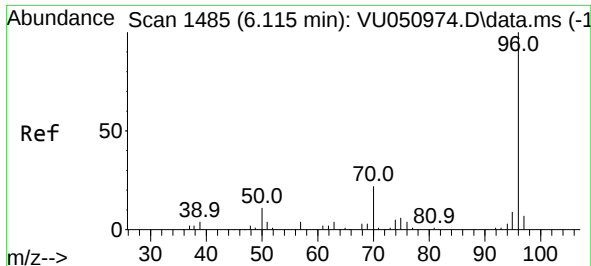
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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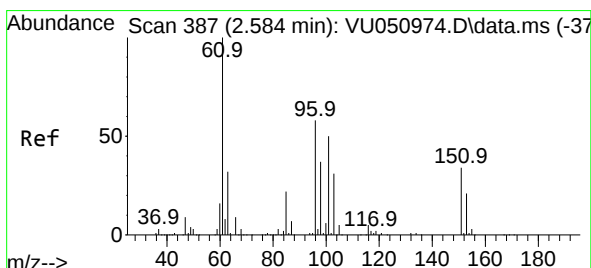
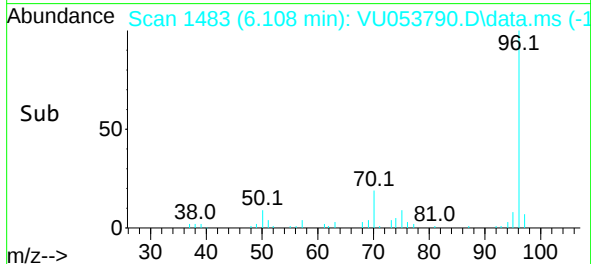
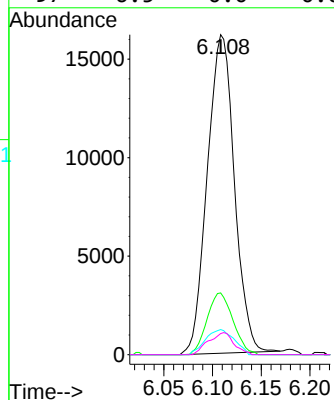
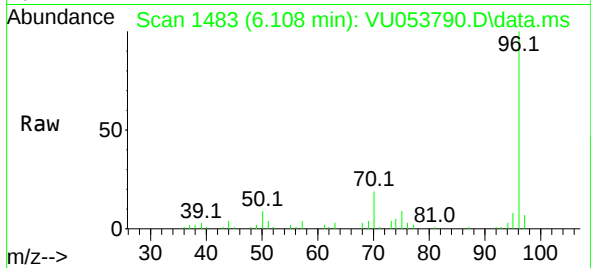




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.108 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

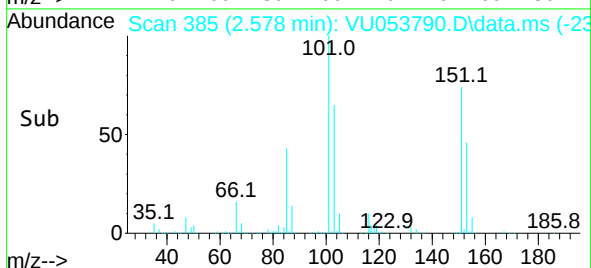
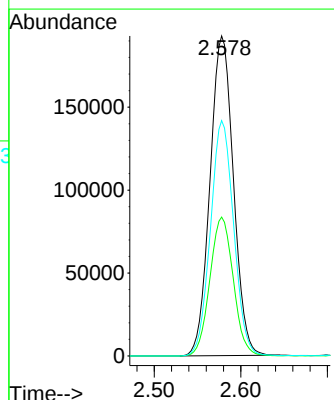
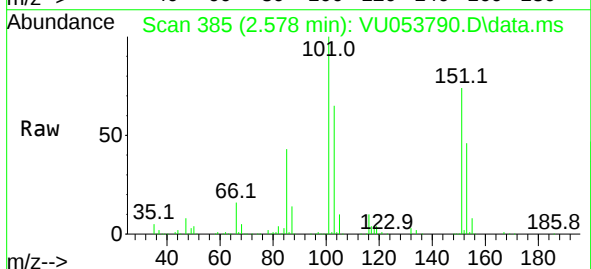
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MSVOA_U
ClientSampleId :
38150-111522

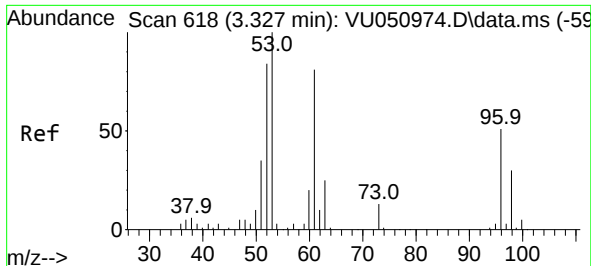
Tgt Ion: 96 Resp: 31259
Ion Ratio Lower Upper
96 100
70 18.6 16.5 24.7
95 8.4 7.4 11.0
97 6.5 0.0 0.0#



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 33.574 ug/l
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

Tgt Ion:101 Resp: 362244
Ion Ratio Lower Upper
101 100
85 43.3 35.4 53.0
151 73.0 54.0 81.0

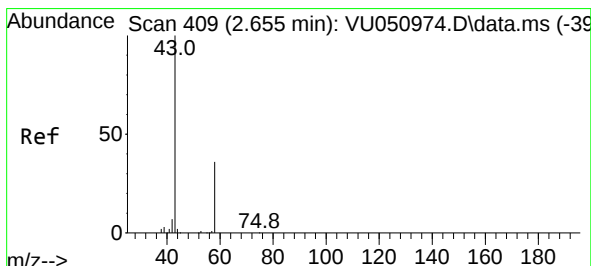
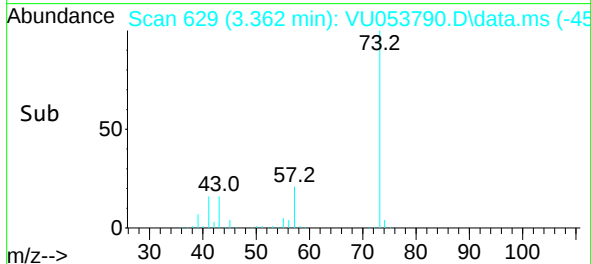
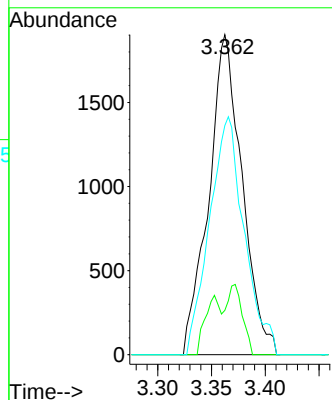
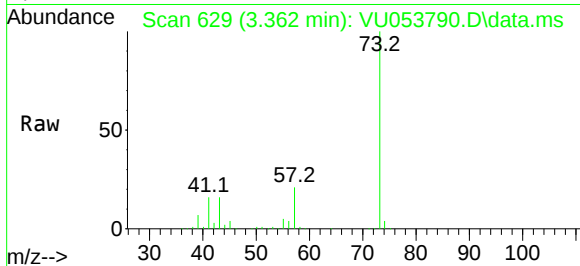




#12
Acrylonitrile
Concen: 1.859 ug/l
RT: 3.362 min Scan# 61
Delta R.T. 0.055 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

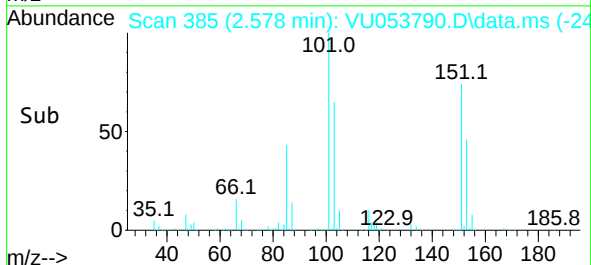
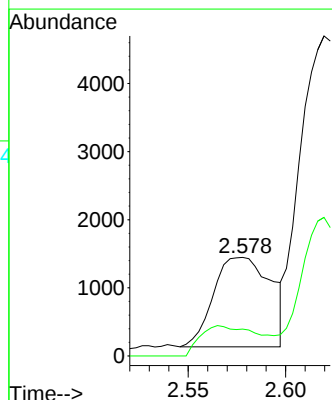
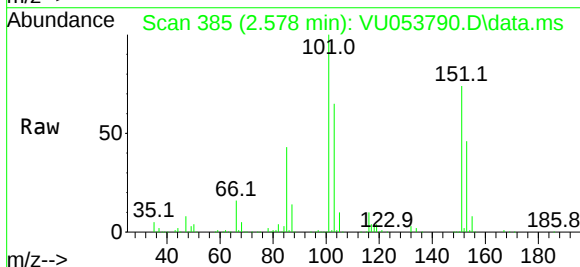
Instrument :
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ClientSampleId :
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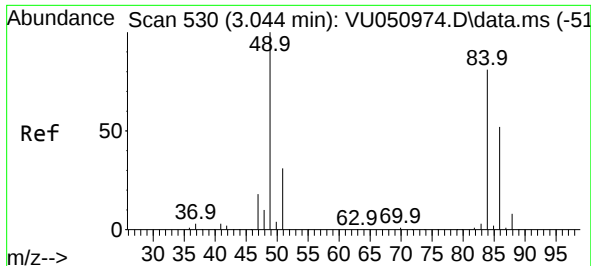
Tgt Ion: 53 Resp: 4103
Ion Ratio Lower Upper
53 100
52 10.6 62.9 94.3#
51 77.5 27.8 41.6#



#13
Acetone
Concen: 0.871 ug/l
RT: 2.578 min Scan# 385
Delta R.T. -0.042 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

Tgt Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
58 30.1 29.0 43.4

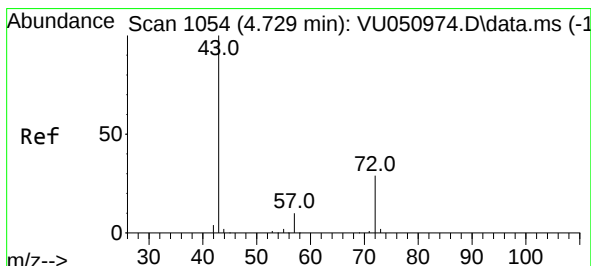
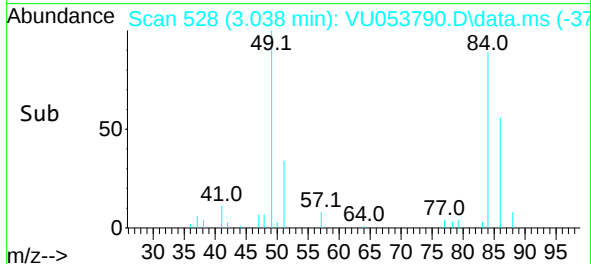
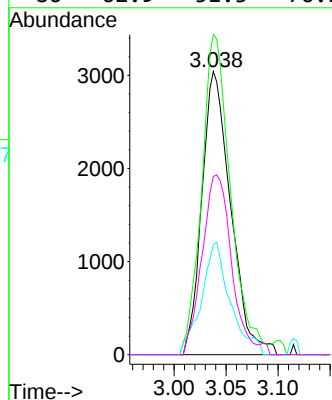
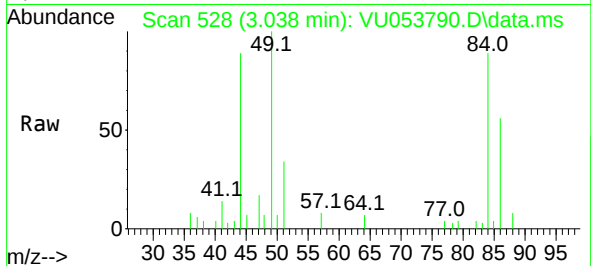




#15
Methylene Chloride
Concen: 0.453 ug/l
RT: 3.038 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

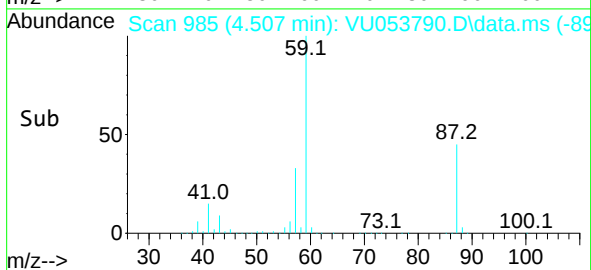
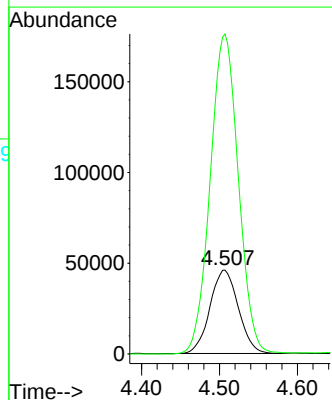
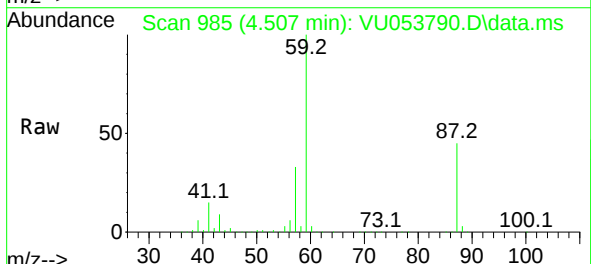
Instrument :
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ClientSampleId :
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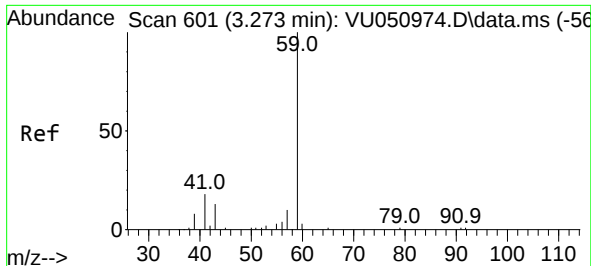
Tgt Ion:	84	Resp:	5868
Ion	Ratio	Lower	Upper
84	100		
49	113.0	98.9	148.3
51	38.9	0.0	75.4
86	62.9	51.3	76.9



#18
2-Butanone
Concen: 29.132 ug/l
RT: 4.507 min Scan# 985
Delta R.T. -0.206 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

Tgt Ion:	43	Resp:	116498
Ion	Ratio	Lower	Upper
43	100		
57	382.2	0.0	19.6#

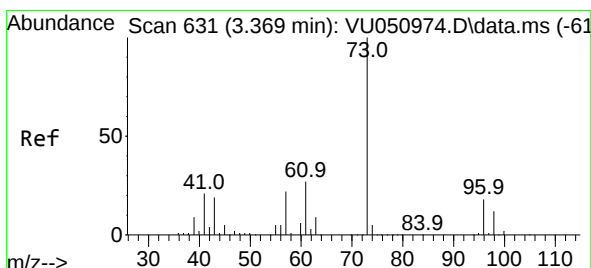
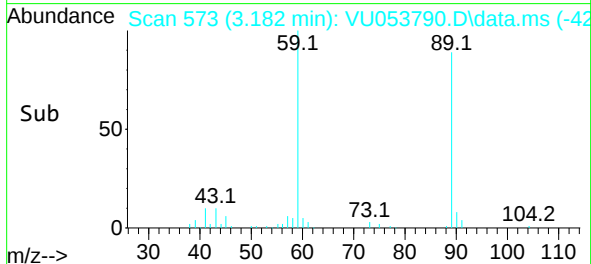
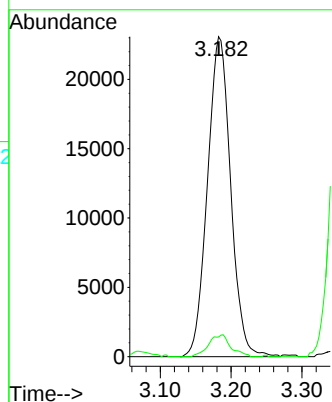
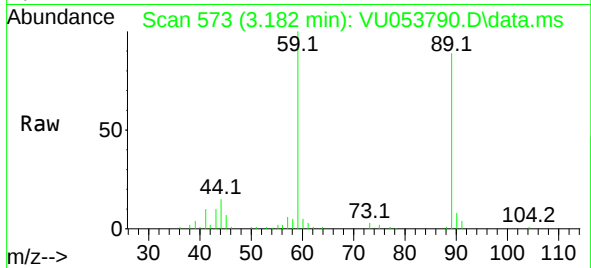




#24
tert-Butyl Alcohol
Concen: 62.033 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.007 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

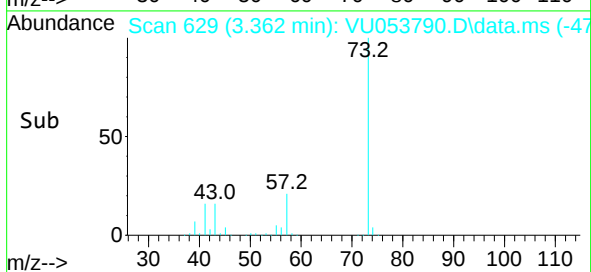
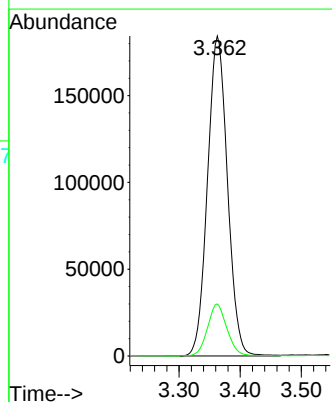
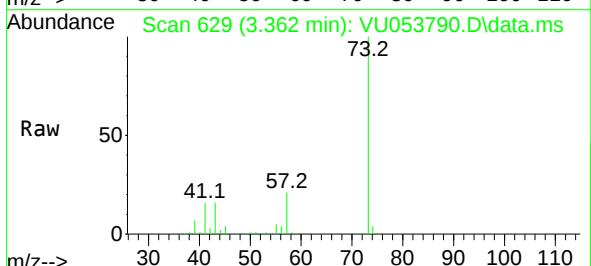
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ClientSampleId :
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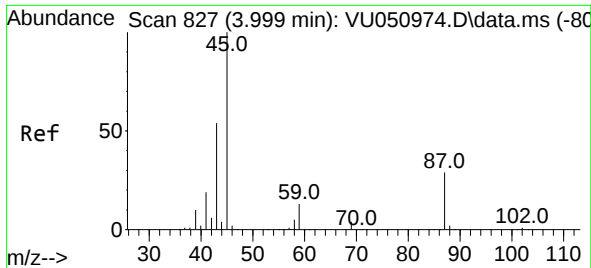
Tgt Ion: 59 Resp: 52467
Ion Ratio Lower Upper
59 100
57 6.5 105.6 158.4#



#25
Methyl tert-Butyl Ether
Concen: 16.984 ug/l
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

Tgt Ion: 73 Resp: 418526
Ion Ratio Lower Upper
73 100
43 15.8 15.0 22.6

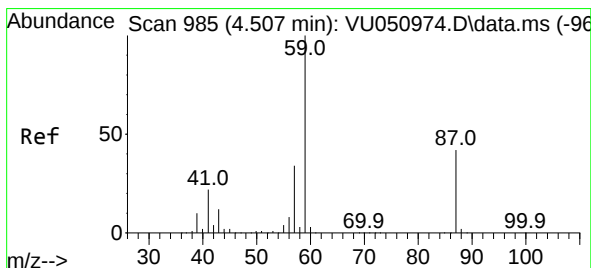
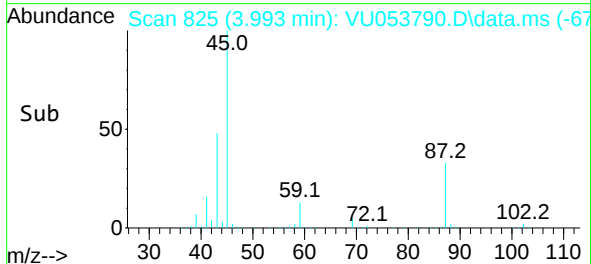
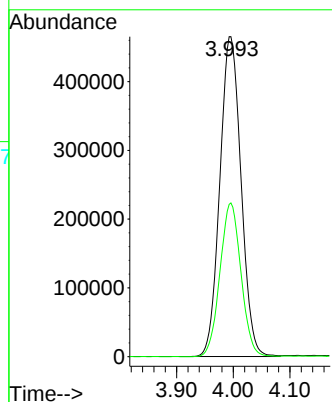
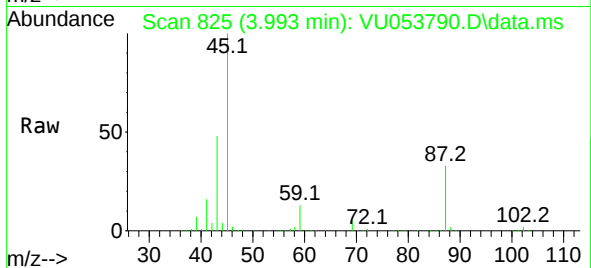




#31
Isopropyl Ether
Concen: 42.394 ug/l
RT: 3.993 min Scan# 81
Delta R.T. -0.003 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

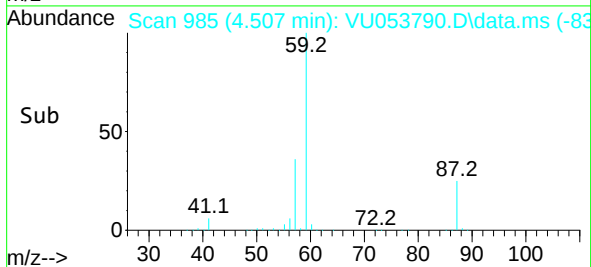
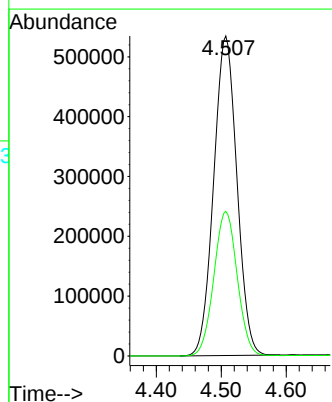
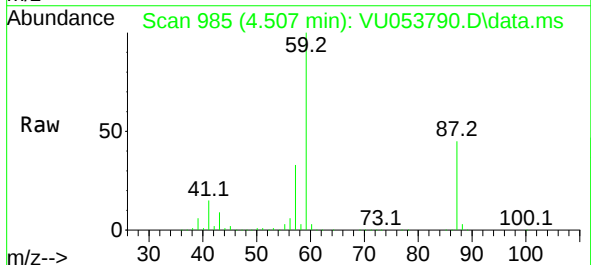
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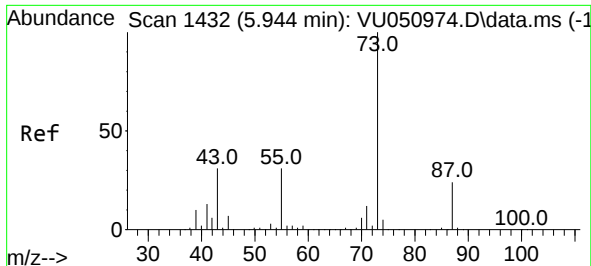
Tgt Ion: 45 Resp: 1207743
Ion Ratio Lower Upper
45 100
43 47.7 27.5 82.5



#32
Ethyl-t-butyl ether
Concen: 45.907 ug/l
RT: 4.507 min Scan# 985
Delta R.T. -0.000 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

Tgt Ion: 59 Resp: 1322975
Ion Ratio Lower Upper
59 100
87 45.5 33.5 50.3

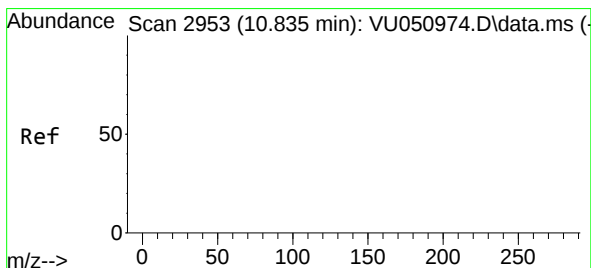
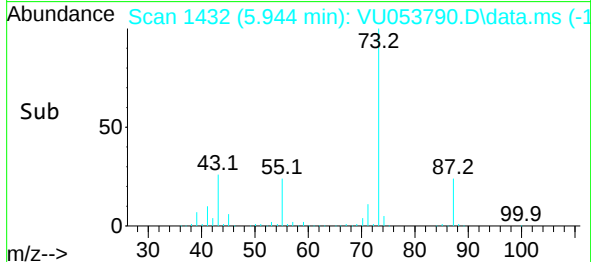
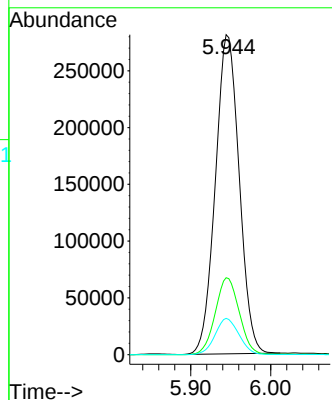
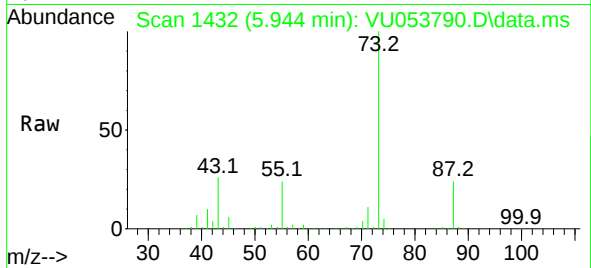




#33
Tert-Amyl methyl ether
Concen: 27.544 ug/l
RT: 5.944 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

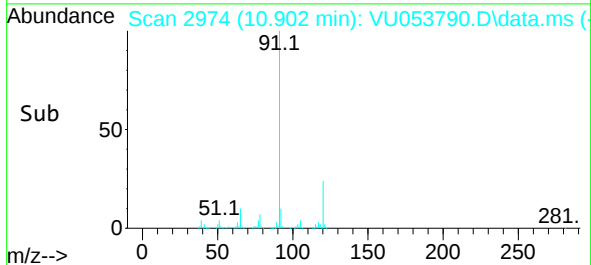
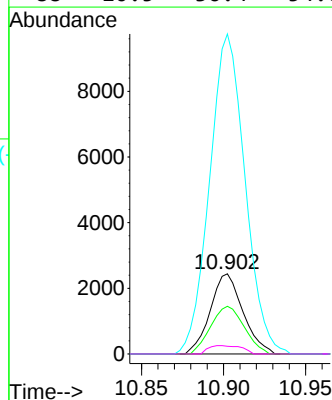
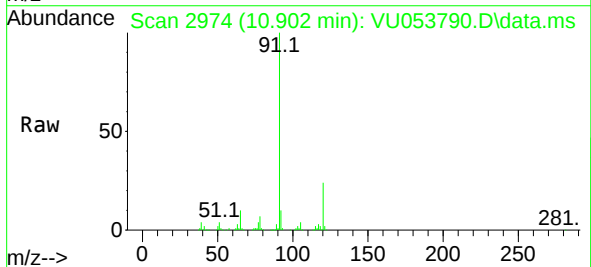
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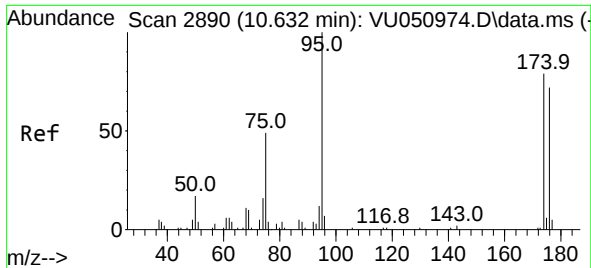
Tgt Ion: 73 Resp: 579995
Ion Ratio Lower Upper
73 100
87 24.1 18.6 28.0
71 11.4 9.9 14.9



#46
t-1,4-Dichloro-2-butene
Concen: 1.607 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. 0.070 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

Tgt Ion: 75 Resp: 3387
Ion Ratio Lower Upper
75 100
53 60.9 73.3 109.9#
89 431.9 48.2 72.4#
88 10.5 36.4 54.6#

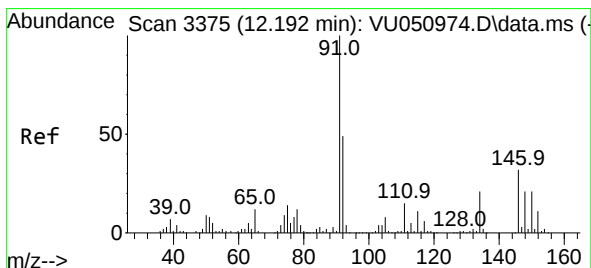
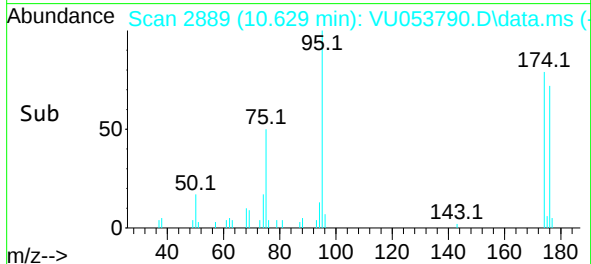
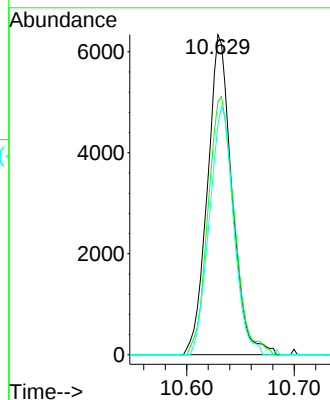
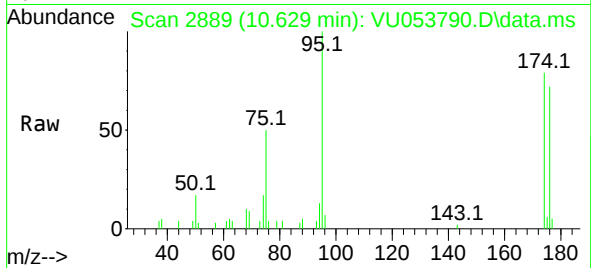




#57
 4-Bromofluorobenzene
 Concen: 0.819 ug/l
 RT: 10.629 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU053790.D
 Acq: 19 Apr 2023 19:13

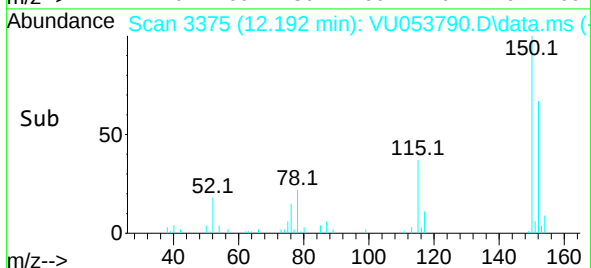
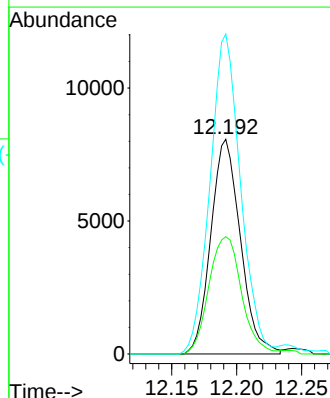
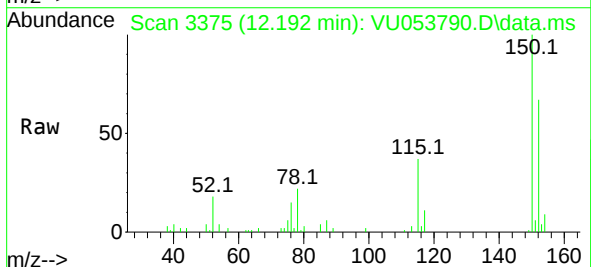
Instrument :
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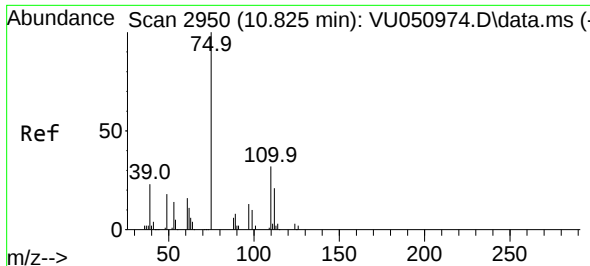
Tgt Ion: 95 Resp: 10036
 Ion Ratio Lower Upper
 95 100
 174 85.8 63.3 94.9
 176 76.6 59.3 88.9



#68
 1,2-Dichlorobenzene-d4
 Concen: 0.877 ug/l
 RT: 12.192 min Scan# 3375
 Delta R.T. 0.003 min
 Lab File: VU053790.D
 Acq: 19 Apr 2023 19:13

Tgt Ion: 152 Resp: 12781
 Ion Ratio Lower Upper
 152 100
 115 60.1 0.0 308.8
 150 153.7 0.0 635.0

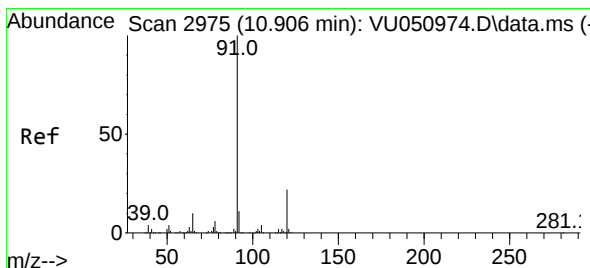
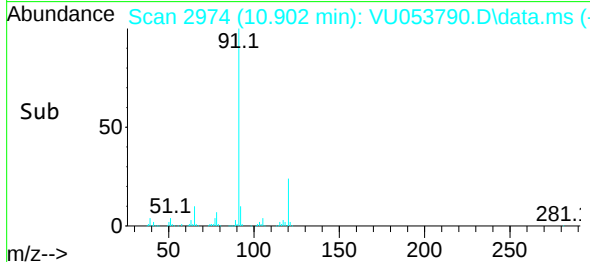
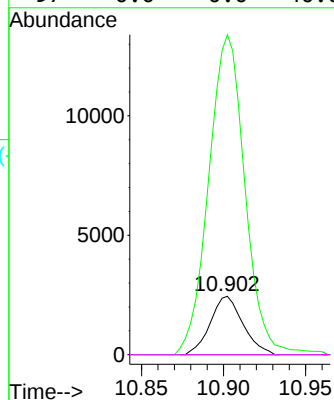
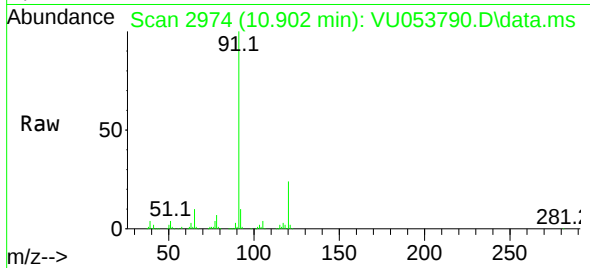




#71
1,2,3-Trichloropropane
Concen: 0.460 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. 0.080 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

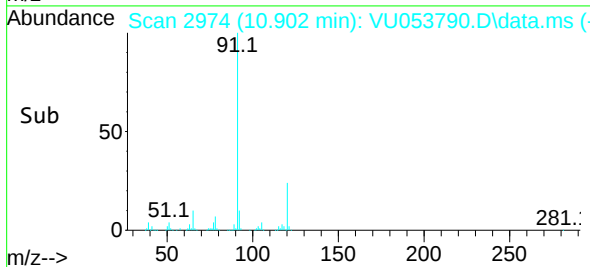
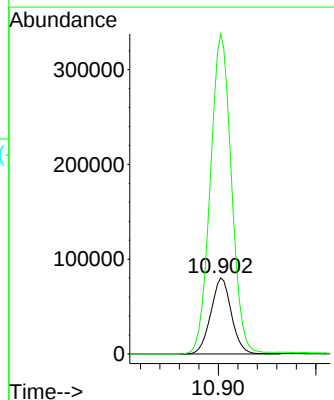
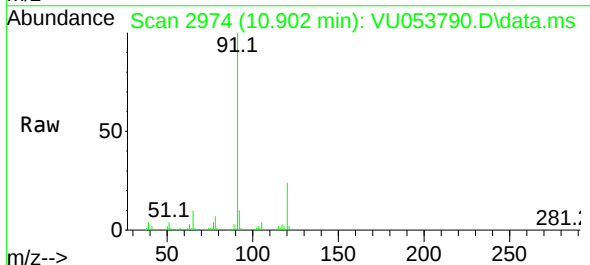
Instrument :
MSVOA_U
ClientSampleId :
38150-111522

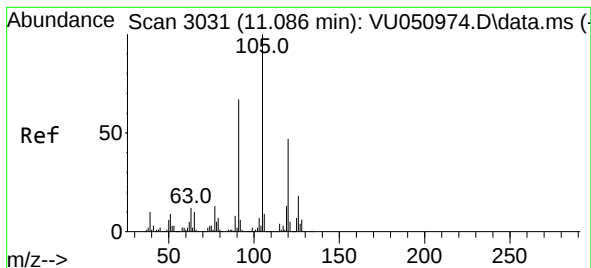
Tgt Ion: 75 Resp: 3387
Ion Ratio Lower Upper
75 100
77 608.5 0.0 116.4#
110 0.0 0.0 74.6
97 0.0 0.0 40.0



#73
n-propylbenzene
Concen: 9.551 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. -0.000 min
Lab File: VU053790.D
Acq: 19 Apr 2023 19:13

Tgt Ion: 120 Resp: 117701
Ion Ratio Lower Upper
120 100
91 432.6 369.8 554.6





#75

1,3,5-Trimethylbenzene

Concen: 0.461 ug/l

RT: 10.902 min Scan# 2974

Delta R.T. -0.183 min

Lab File: VU053790.D

Acq: 19 Apr 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

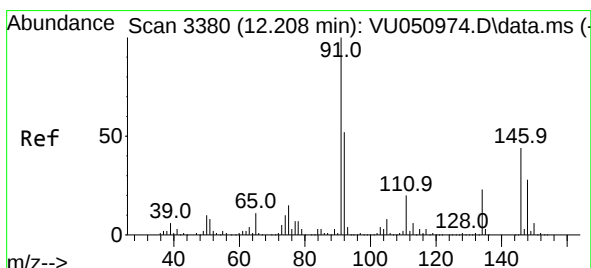
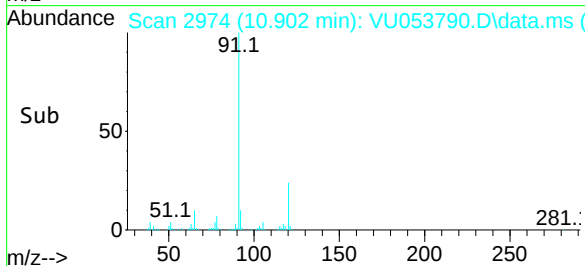
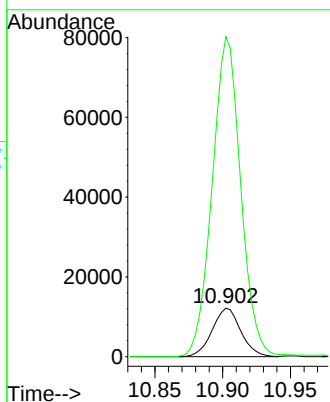
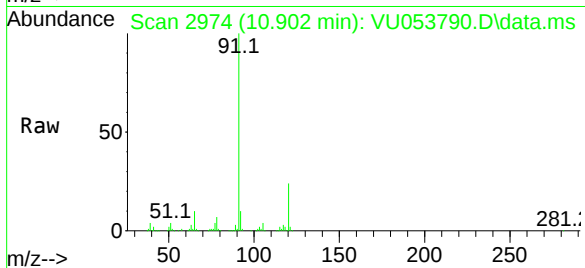
38150-111522

Tgt Ion:105 Resp: 17853

Ion Ratio Lower Upper

105 100

120 659.3 37.8 56.8#



#84

n-Butylbenzene

Concen: 0.254 ug/l

RT: 12.208 min Scan# 3380

Delta R.T. 0.003 min

Lab File: VU053790.D

Acq: 19 Apr 2023 19:13

Tgt Ion: 91 Resp: 592

Ion Ratio Lower Upper

91 100

92 36.5 40.8 61.2#

134 14.7 18.4 27.6#

