

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 13:46:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 20 13:45:12 2023
 Response via : Initial Calibration

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

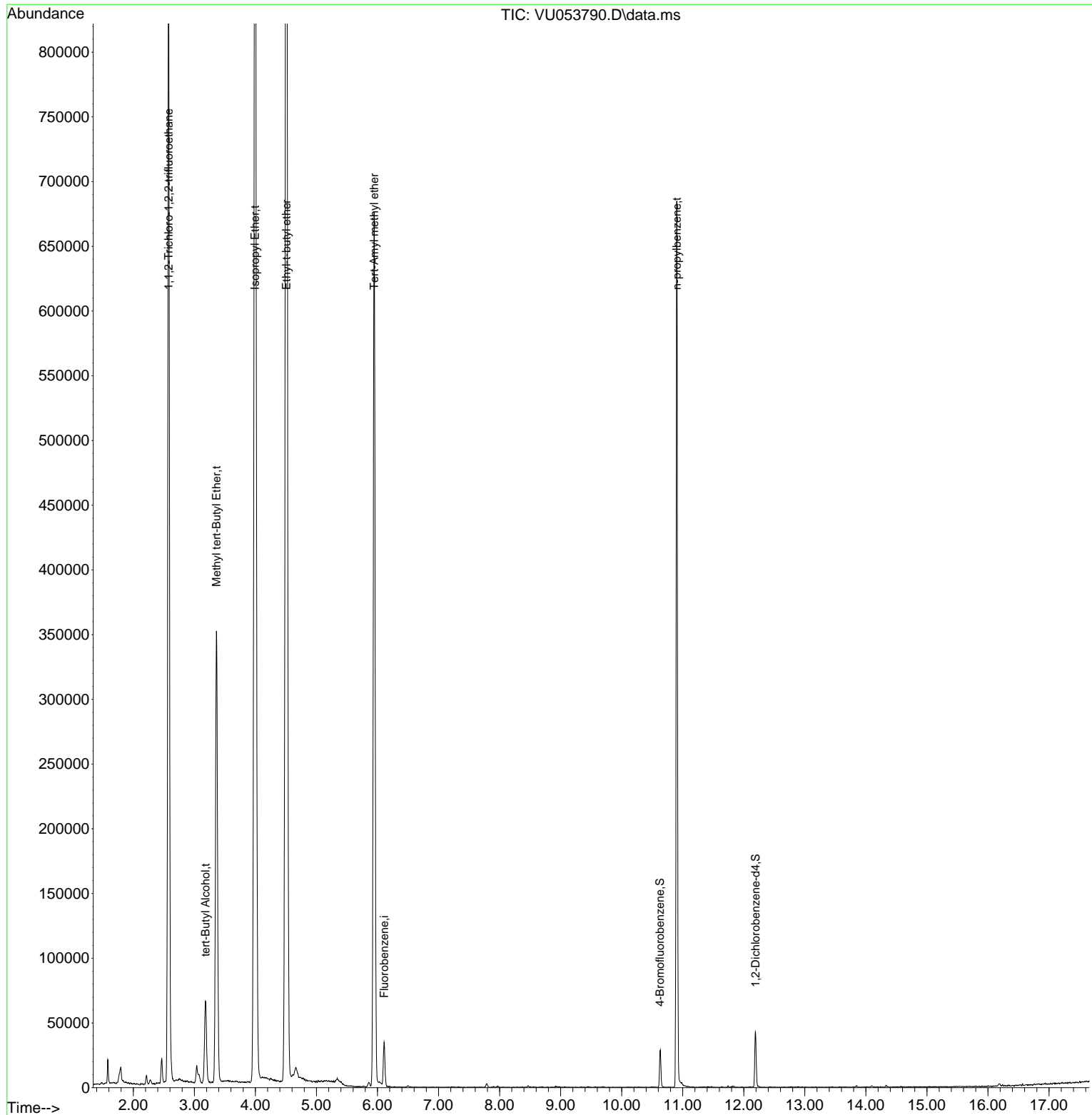
Internal Standards						
1) Fluorobenzene	6.108	96	31259	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	10036	0.819	ug/l	0.00
Spiked Amount	1.000		Recovery	=	82.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	12781	0.877	ug/l	0.00
Spiked Amount	1.000		Recovery	=	88.000%	
Target Compounds						
						Qvalue
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	362244	33.574	ug/l	95
24) tert-Butyl Alcohol	3.182	59	52467	59.175	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
73) n-propylbenzene	10.902	120	117701	9.551	ug/l	89

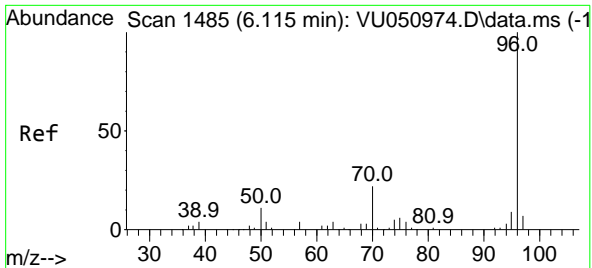
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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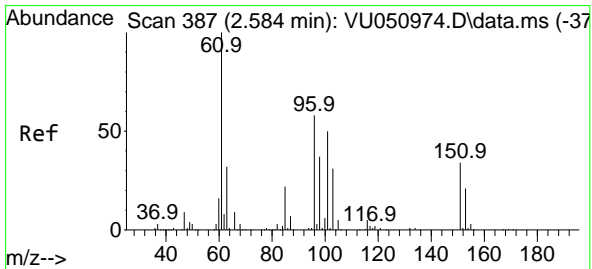
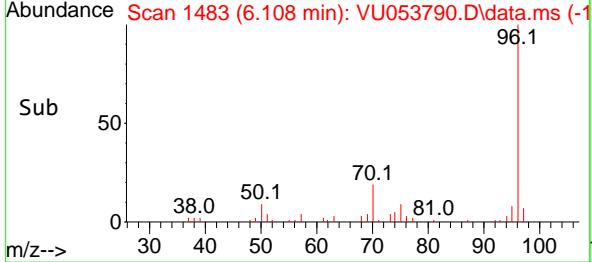
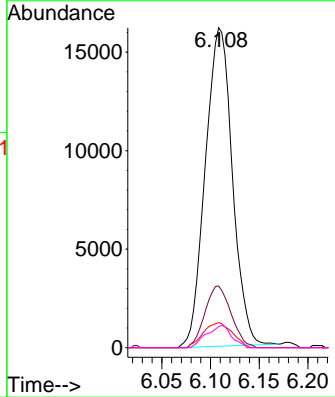
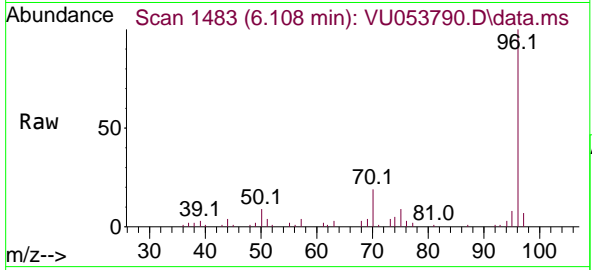




#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 6.108 min Scan# 1483
 Delta R.T. 0.000 min
 Lab File: VU053790.D
 Acq: 19 Apr 2023 19:13

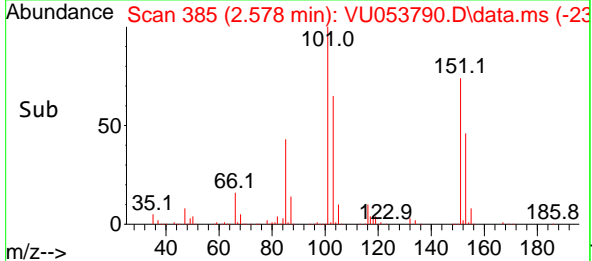
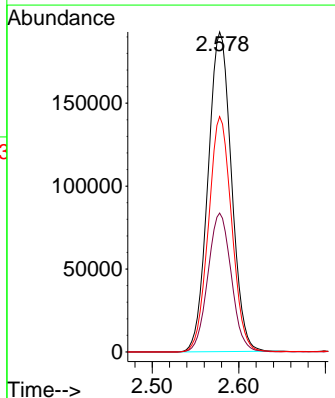
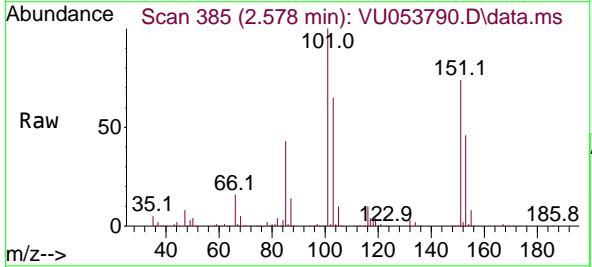
Instrument : MSVOA_U
 ClientSampleId : 38150-111522

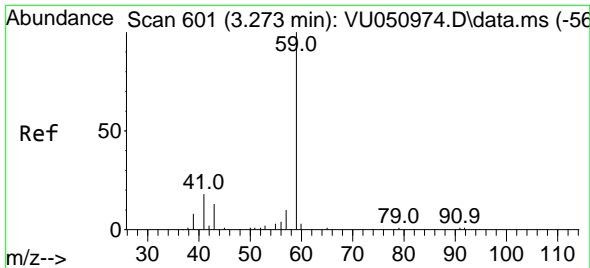
Tgt Ion	Resp	Lower	Upper
96	31259		
70	18.6	16.5	24.7
95	8.4	7.4	11.0
97	6.5	0.0	0.0



#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	Resp	Lower	Upper
101	362244		
85	43.3	35.4	53.0
151	73.0	54.0	81.0

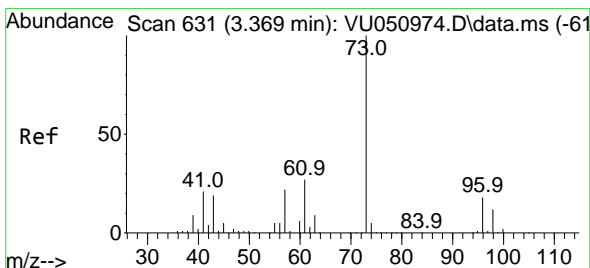
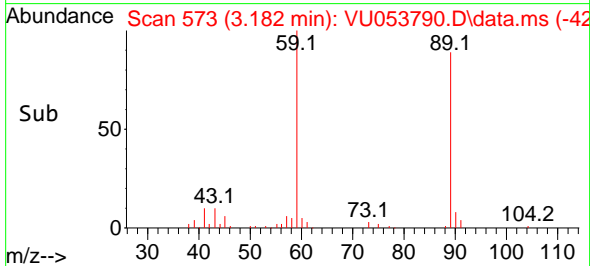
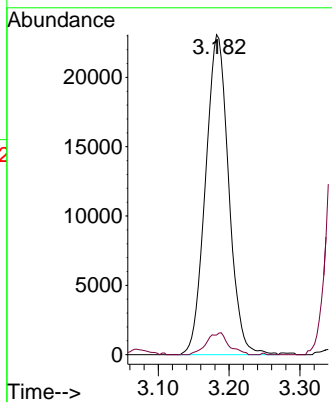
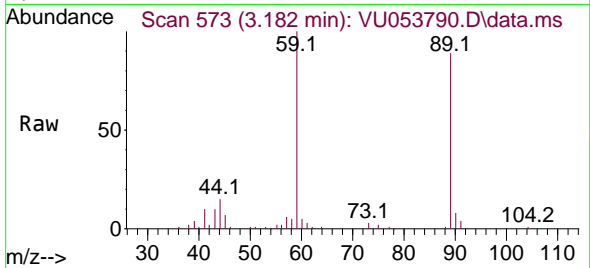




#24
 tert-Butyl Alcohol
 Concen: 59.175 ug/l
 RT: 3.182 min Scan# 51
 Delta R.T. -0.007 min
 Lab File: VU053790.D
 Acq: 19 Apr 2023 19:13

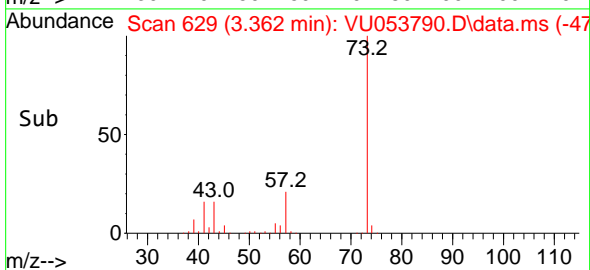
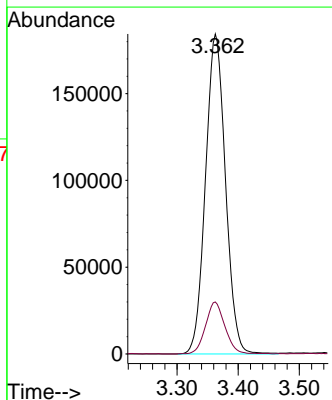
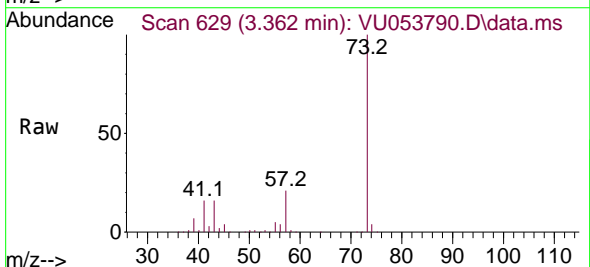
Instrument : MSVOA_U
 ClientSampleId : 38150-111522

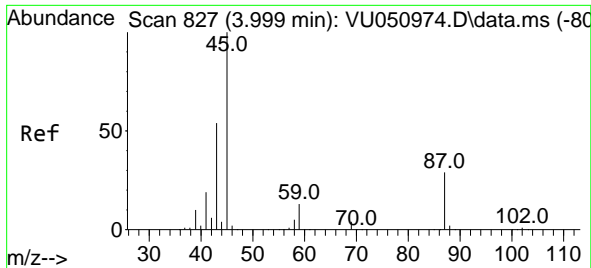
Tgt Ion: 59 Resp: 52467
 Ion Ratio Lower Upper
 59 100
 57 6.5 105.6 158.4#



#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

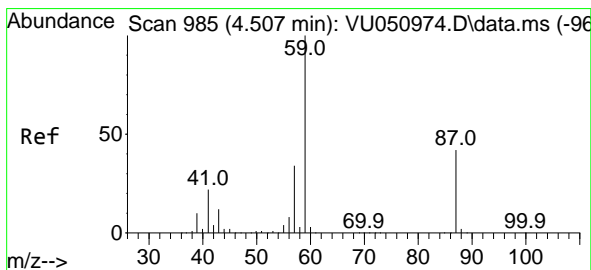
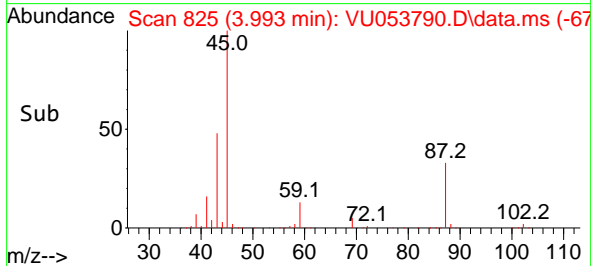
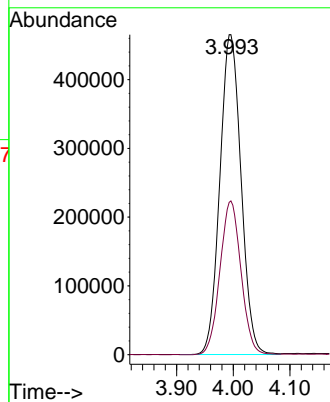
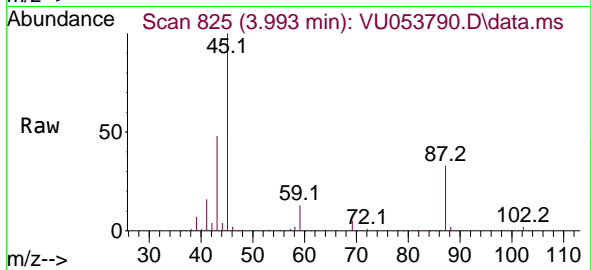




#31
 Isopropyl Ether
 Concen: 42.394 ug/l
 RT: 3.993 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU053790.D
 Acq: 19 Apr 2023 19:13

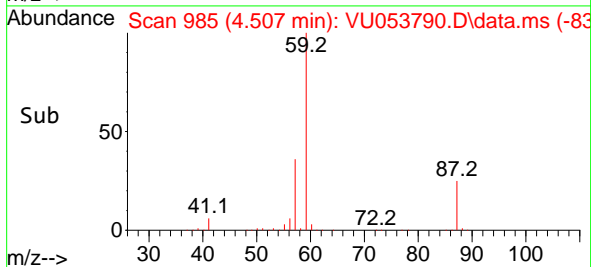
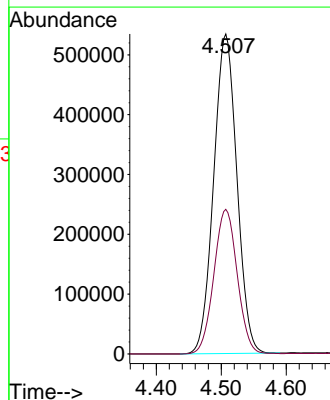
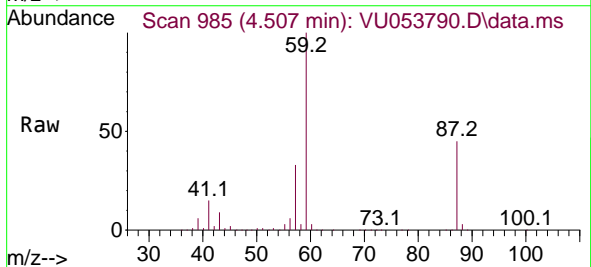
Instrument :
 MSVOA_U
 ClientSampleId :
 38150-111522

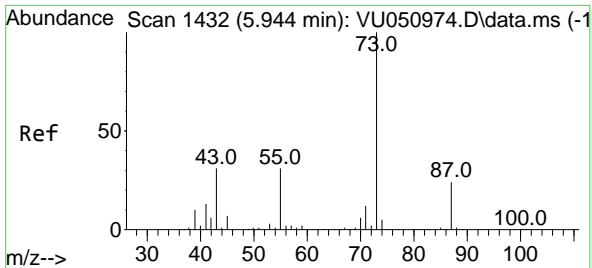
Tgt Ion: 45 Resp: 1207743
 Ion Ratio Lower Upper
 45 100
 43 47.7 27.5 82.5



#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

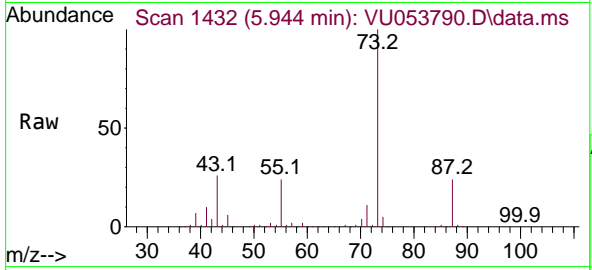
Tgt Ion: 59 Resp: 1322975
 Ion Ratio Lower Upper
 59 100
 87 45.5 33.5 50.3





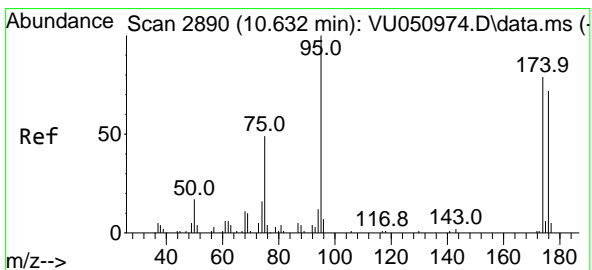
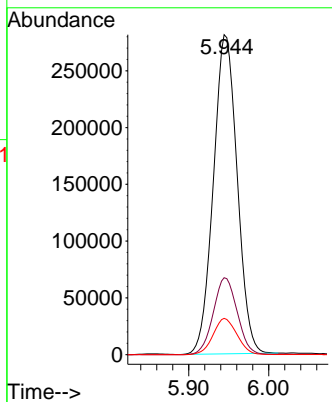
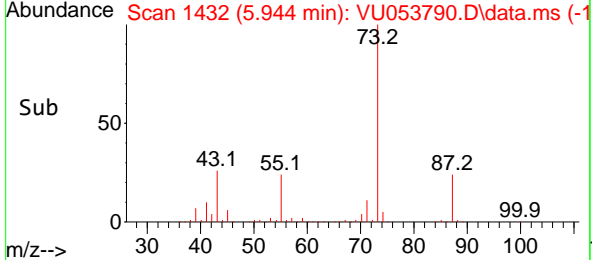
#33
 Tert-Amyl methyl ether
 Concen: 27.544 ug/l
 RT: 5.944 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU053790.D
 Acq: 19 Apr 2023 19:13

Instrument : MSVOA_U
 ClientSampleId : 38150-111522

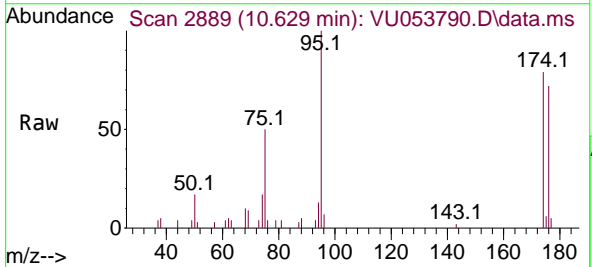


Tgt Ion: 73 Resp: 579995

Ion	Ratio	Lower	Upper
73	100		
87	24.1	18.6	28.0
71	11.4	9.9	14.9

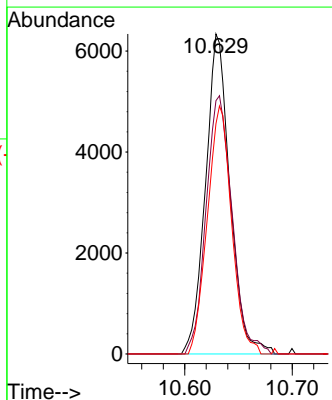
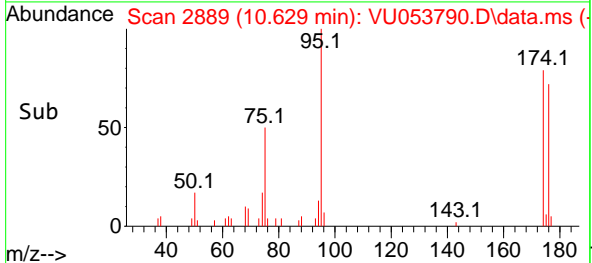


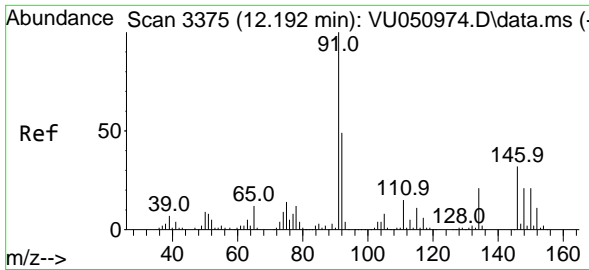
#57
 4-Bromofluorobenzene
 Concen: 0.819 ug/l
 RT: 10.629 min Scan# 2889
 Delta R.T. -0.003 min
 Lab File: VU053790.D
 Acq: 19 Apr 2023 19:13



Tgt Ion: 95 Resp: 10036

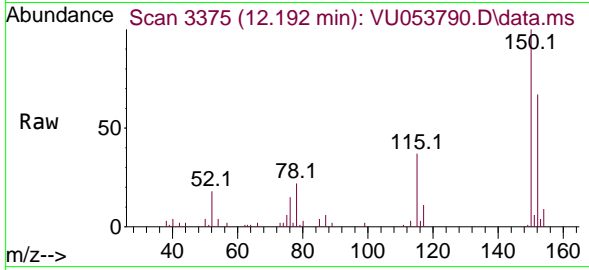
Ion	Ratio	Lower	Upper
95	100		
174	85.8	63.3	94.9
176	76.6	59.3	88.9



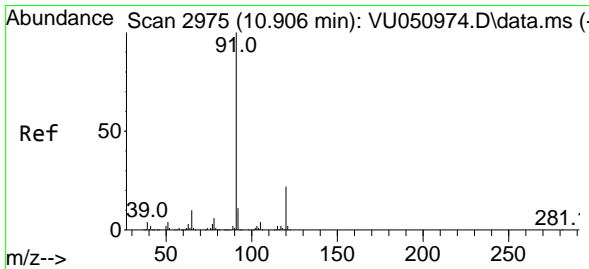
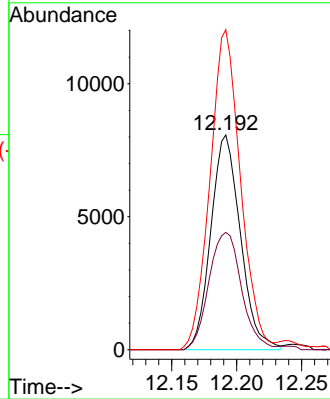
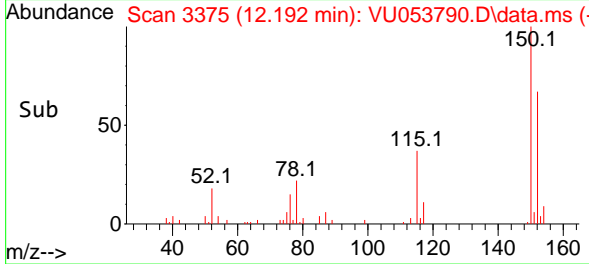


#68
 1,2-Dichlorobenzene-d4
 Concen: 0.877 ug/l
 RT: 12.192 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU053790.D
 Acq: 19 Apr 2023 19:13

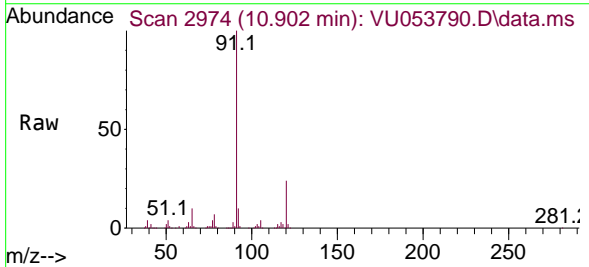
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Tgt Ion:152 Resp: 12781
 Ion Ratio Lower Upper
 152 100
 115 60.1 0.0 308.8
 150 153.7 0.0 635.0



#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

