

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033023\
 Data File : VU053484.D
 Acq On : 30 Mar 2023 13:54
 Operator : JC/MD
 Sample : 02035-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 30 16:13:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 13:33:10 2023
 Response via : Initial Calibration

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

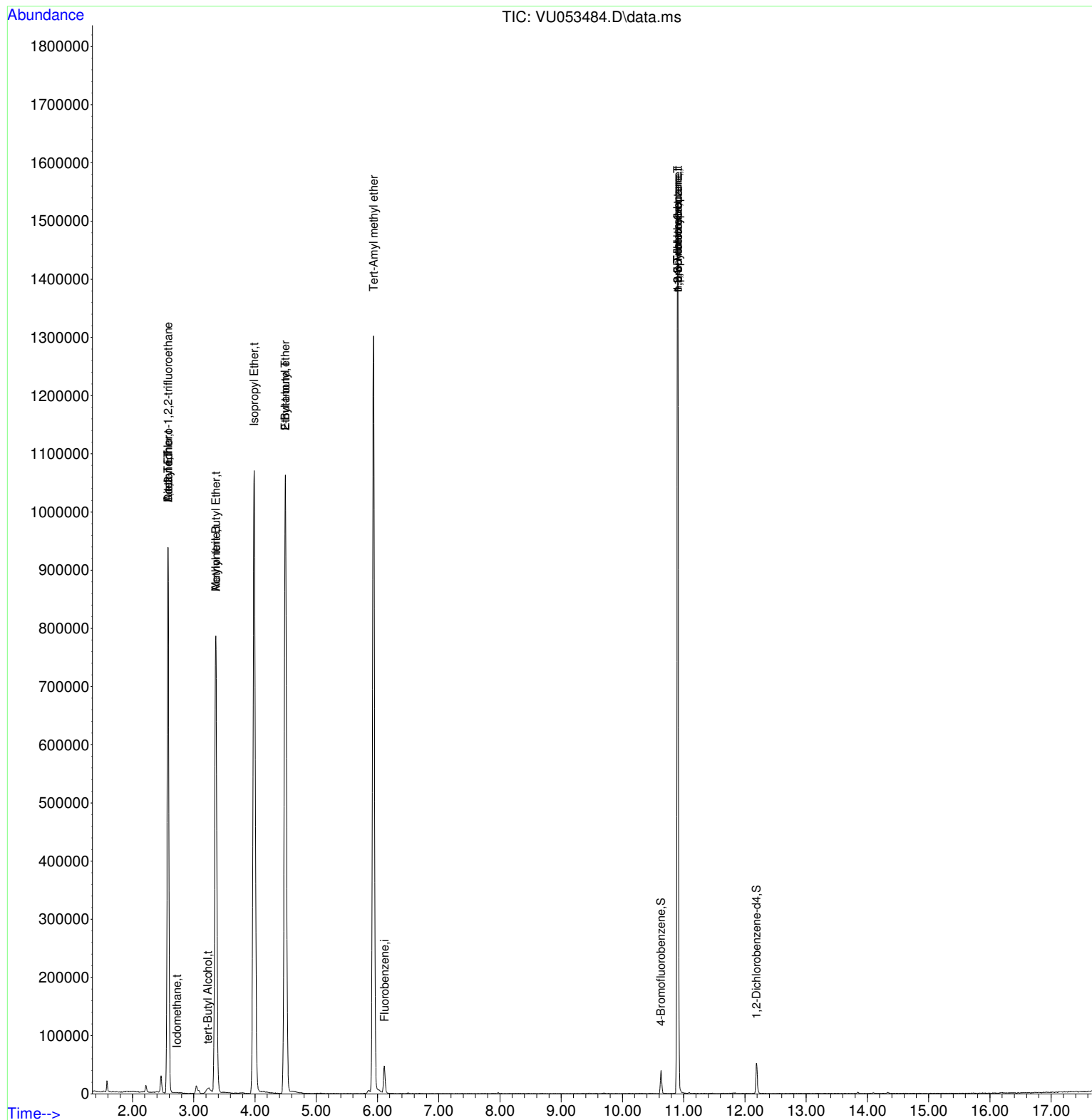
Internal Standards						
1) Fluorobenzene	6.111	96	42763	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	14539	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	12.188	152	13482	0.87	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.00%	
Target Compounds						
						Qvalue
5) Bromomethane	1.861	94	141	Below Cal	#	80
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	376509	30.48	ug/l	98
10) Iodomethane	2.723	142	72	0.62	ug/l #	31
12) Acrylonitrile	3.359	53	9113	4.15	ug/l #	31
13) Acetone	2.578	43	4731	1.10	ug/l	91
15) Methylene Chloride	3.047	84	6101	Below Cal	#	78
18) 2-Butanone	4.494	43	115640	26.40	ug/l #	1
23) Diethyl Ether	2.578	59	3339	0.37	ug/l #	22
24) tert-Butyl Alcohol	3.227	59	11482	14.09	ug/l #	1
25) Methyl tert-Butyl Ether	3.359	73	931771	37.21	ug/l	98
31) Isopropyl Ether	3.986	45	1115912	38.07	ug/l	93
32) Ethyl-t-butyl ether	4.494	59	1127076	37.44	ug/l	99
33) Tert-Amyl methyl ether	5.935	73	1140116	42.59	ug/l	98
46) t-1,4-Dichloro-2-butene	10.902	75	7231	2.55	ug/l #	1
71) 1,2,3-Trichloropropane	10.902	75	7231	0.93	ug/l #	1
73) n-propylbenzene	10.902	120	258658	17.50	ug/l	99
75) 1,3,5-Trimethylbenzene	10.902	105	41022	0.87	ug/l #	1

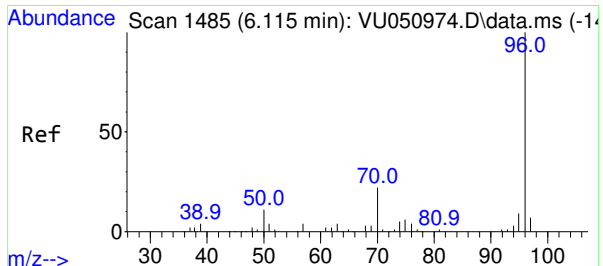
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033023\
Data File : VU053484.D
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Sample : 02035-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Mar 30 16:13:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 30 13:33:10 2023
Response via : Initial Calibration

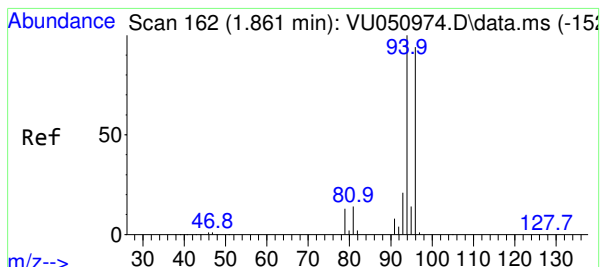
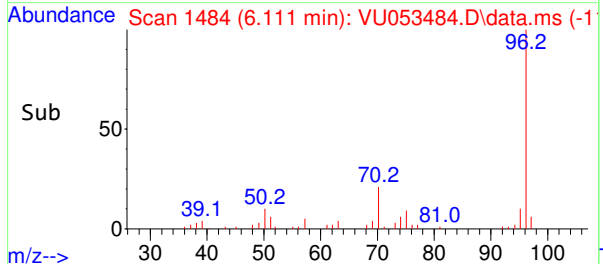
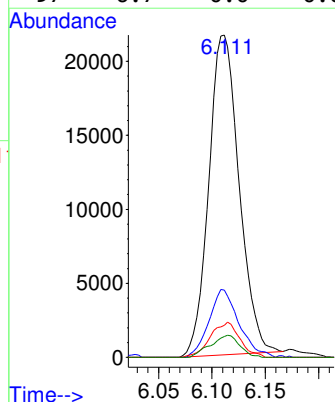
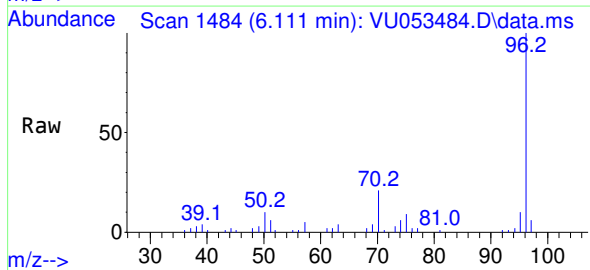




#1
Fluorobenzene
Concen: 1.00 ug/l
RT: 6.111 min Scan# 1
Delta R.T. -0.004 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

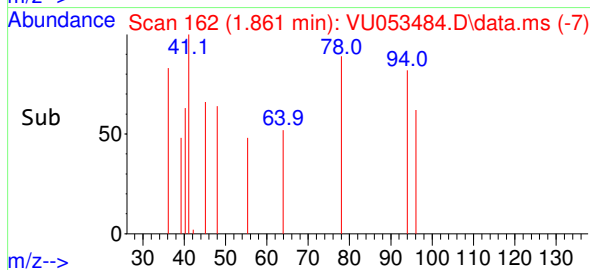
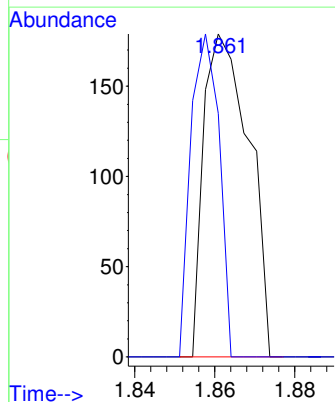
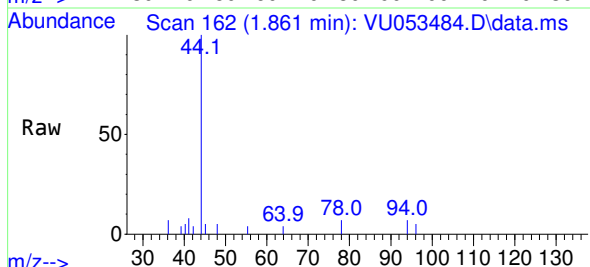
Instrument :
MSVOA_U
ClientSampleId :

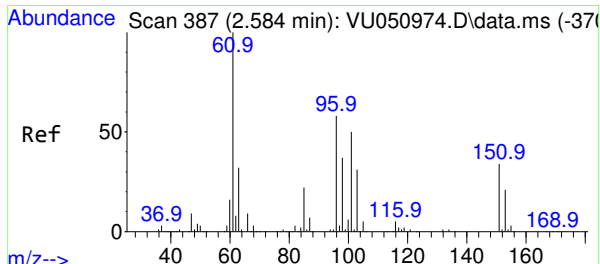
Tgt Ion:	96	Resp:	42763
Ion	Ratio	Lower	Upper
96	100		
70	21.0	16.5	24.7
95	10.7	7.4	11.0
97	6.7	0.0	0.0



#5
Bromomethane
Concen: Below Cal
RT: 1.861 min Scan# 162
Delta R.T. -0.000 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

Tgt Ion:	94	Resp:	141
Ion	Ratio	Lower	Upper
94	100		
96	75.4	75.4	113.2

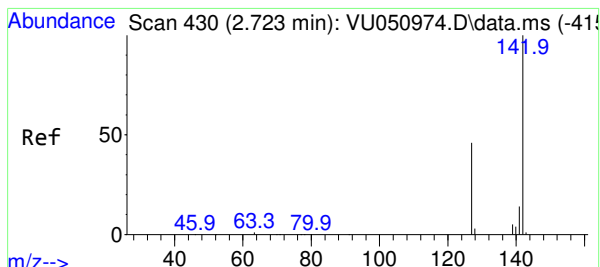
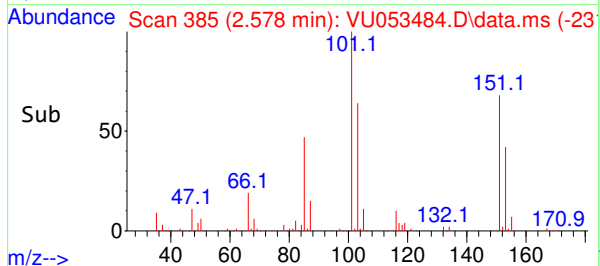
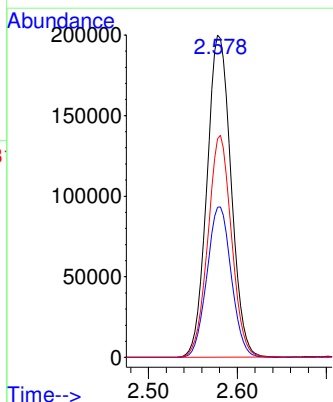
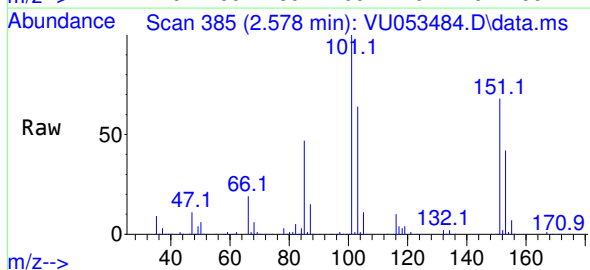




#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 30.48 ug/l
 RT: 2.578 min Scan# 3
 Delta R.T. -0.006 min
 Lab File: VU053484.D
 Acq: 30 Mar 2023 13:54

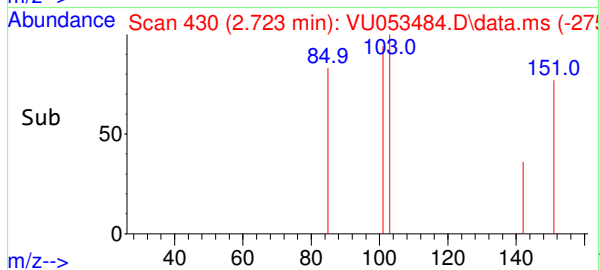
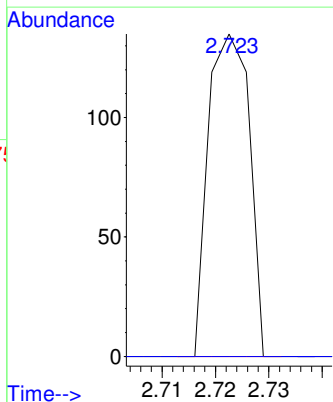
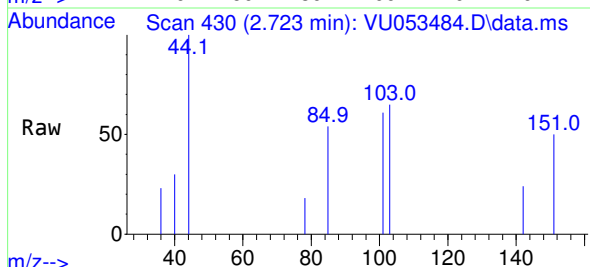
Instrument :
 MSVOA_U
 ClientSampleId :

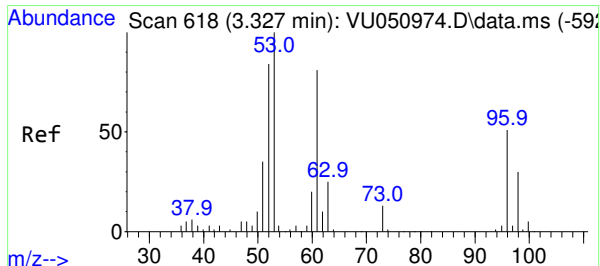
Tgt Ion:101 Resp: 376509
 Ion Ratio Lower Upper
 101 100
 85 47.3 35.4 53.0
 151 67.4 54.0 81.0



#10
 Iodomethane
 Concen: 0.62 ug/l
 RT: 2.723 min Scan# 430
 Delta R.T. -0.000 min
 Lab File: VU053484.D
 Acq: 30 Mar 2023 13:54

Tgt Ion:142 Resp: 72
 Ion Ratio Lower Upper
 142 100
 127 0.0 35.9 53.9#

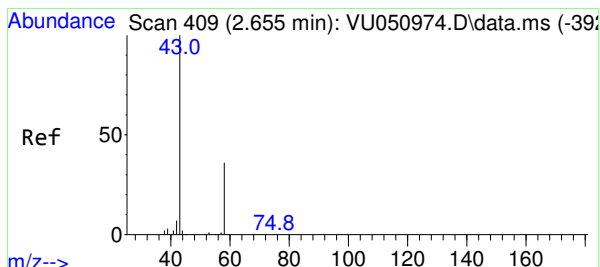
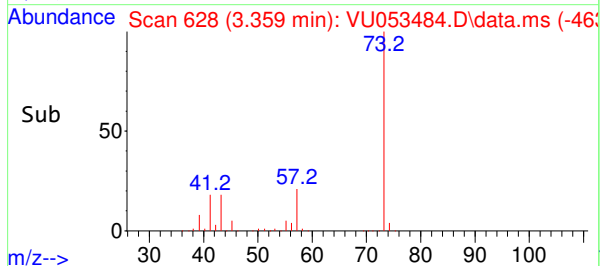
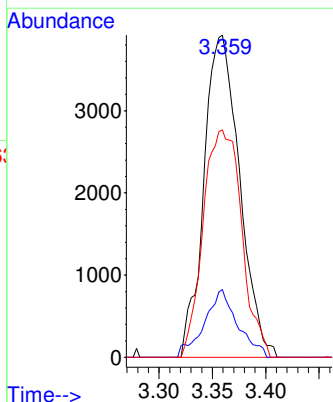
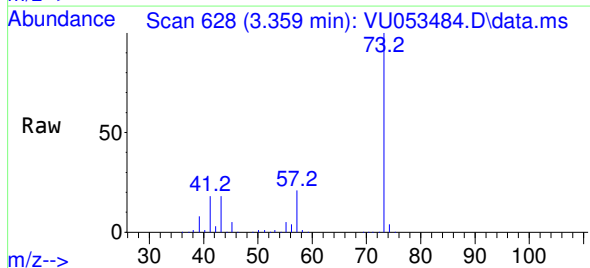




#12
Acrylonitrile
Concen: 4.15 ug/l
RT: 3.359 min Scan# 618
Delta R.T. 0.032 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

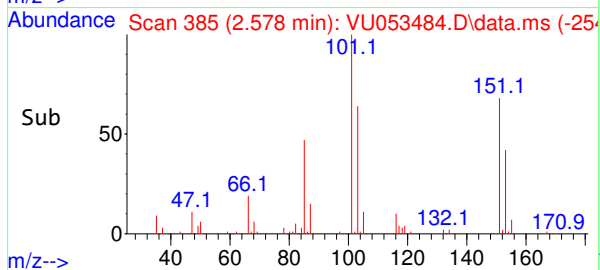
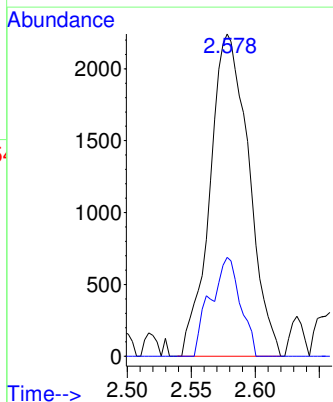
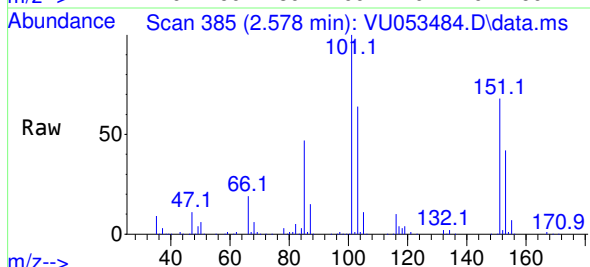
Instrument :
MSVOA_U
ClientSampleId :

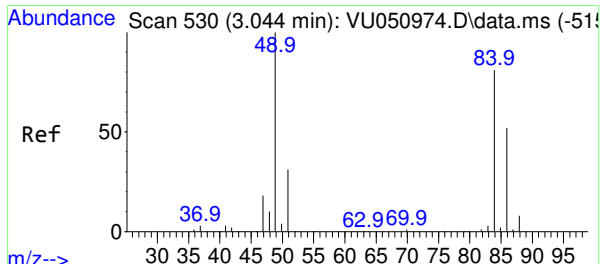
Tgt Ion: 53 Resp: 9113
Ion Ratio Lower Upper
53 100
52 19.6 62.9 94.3#
51 76.1 27.8 41.6#



#13
Acetone
Concen: 1.10 ug/l
RT: 2.578 min Scan# 385
Delta R.T. -0.077 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

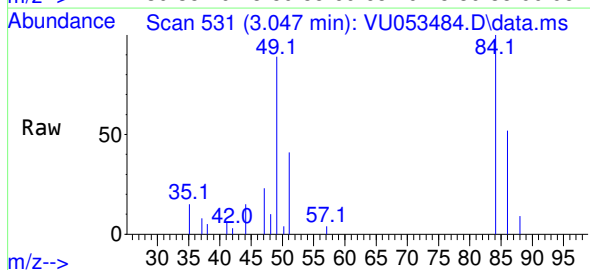
Tgt Ion: 43 Resp: 4731
Ion Ratio Lower Upper
43 100
58 30.7 29.0 43.4



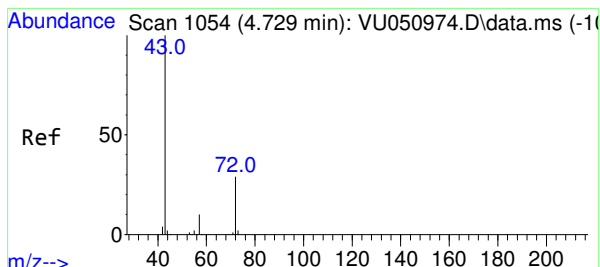
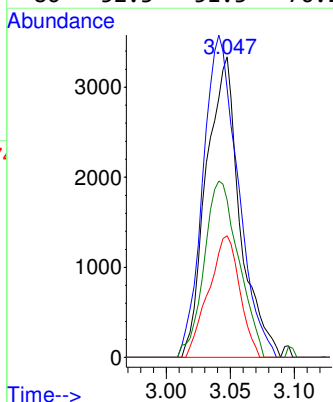
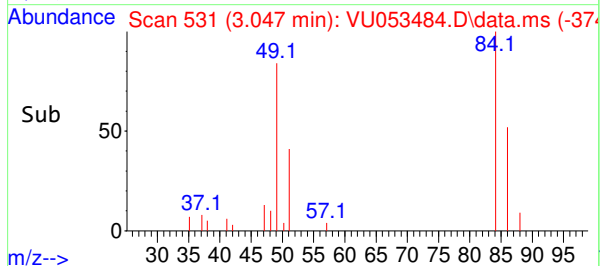


#15
Methylene Chloride
Concen: Below Cal
RT: 3.047 min Scan# 511
Delta R.T. 0.003 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

Instrument :
MSVOA_U
ClientSampleId :

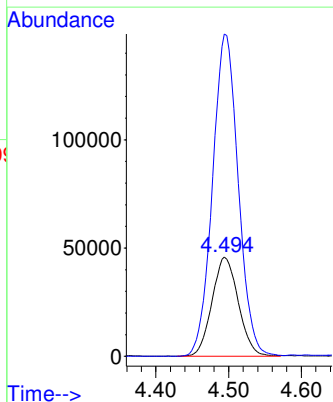
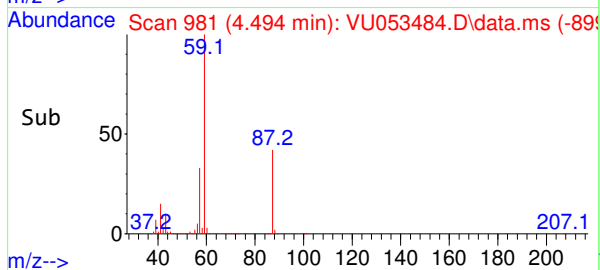
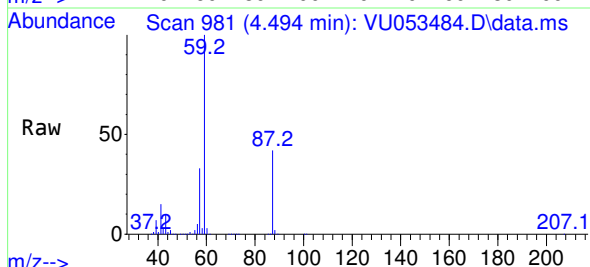


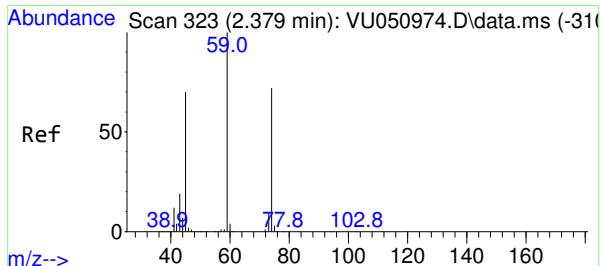
Tgt Ion:	84	Resp:	6101
Ion	Ratio	Lower	Upper
84	100		
49	89.4	98.9	148.3#
51	40.5	0.0	75.4
86	52.3	51.3	76.9



#18
2-Butanone
Concen: 26.40 ug/l
RT: 4.494 min Scan# 981
Delta R.T. -0.235 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

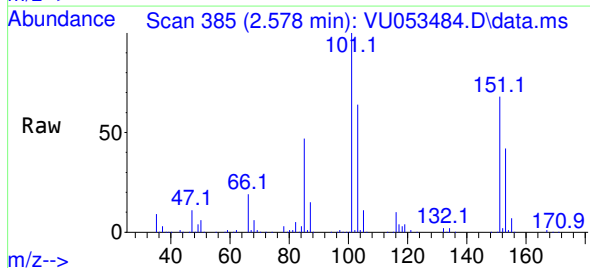
Tgt Ion:	43	Resp:	115640
Ion	Ratio	Lower	Upper
43	100		
57	325.2	0.0	19.6#



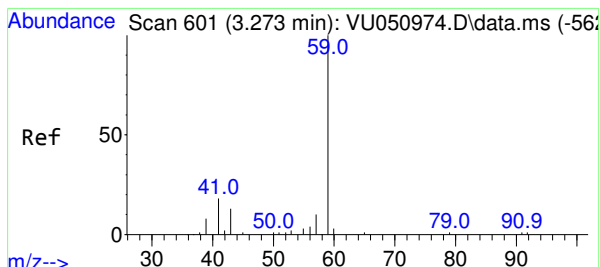
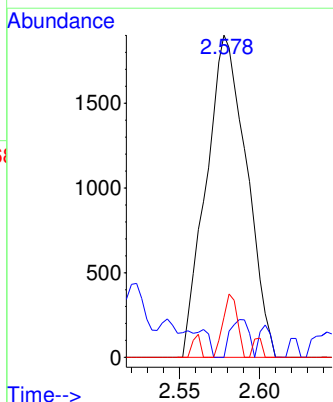
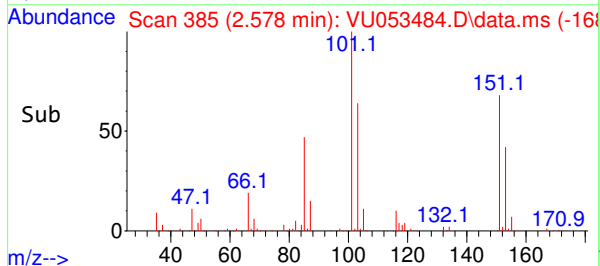


#23
Diethyl Ether
Concen: 0.37 ug/l
RT: 2.578 min Scan# 3339
Delta R.T. 0.199 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

Instrument :
MSVOA_U
ClientSampleId :

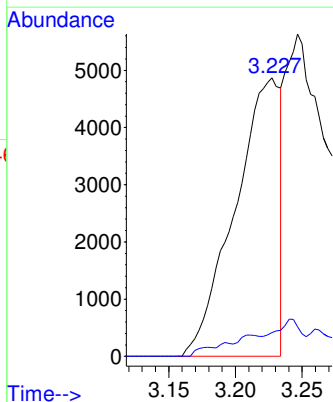
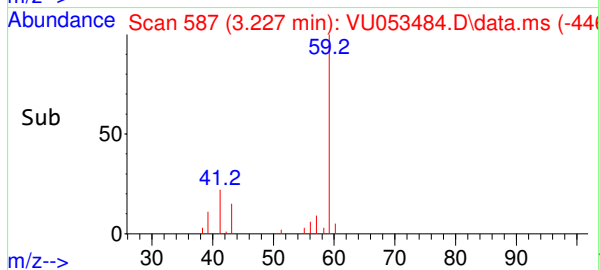
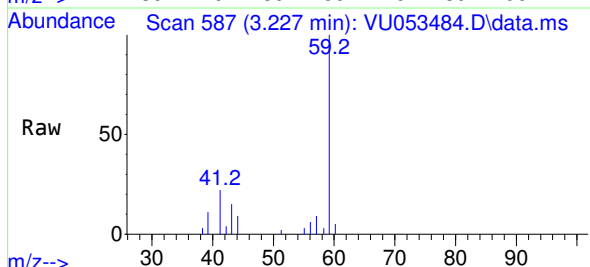


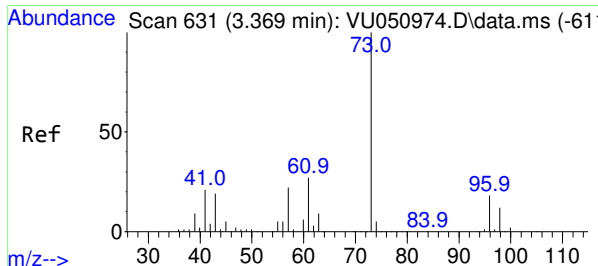
Tgt Ion: 59 Resp: 3339
Ion Ratio Lower Upper
59 100
45 5.4 56.1 84.1#
74 7.0 57.4 86.2#



#24
tert-Butyl Alcohol
Concen: 14.09 ug/l
RT: 3.227 min Scan# 587
Delta R.T. -0.046 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

Tgt Ion: 59 Resp: 11482
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4#

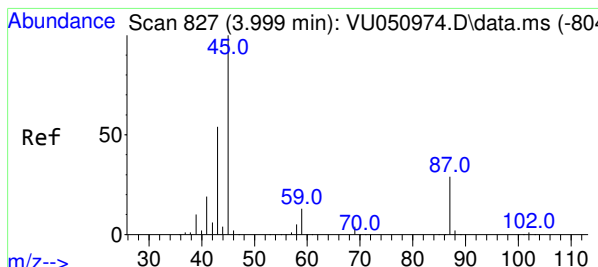
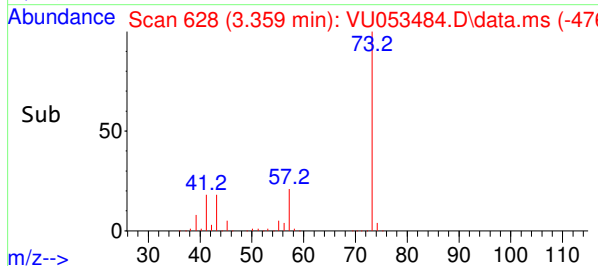
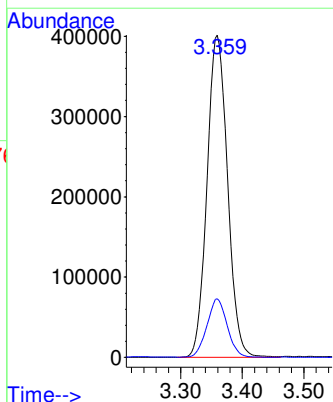
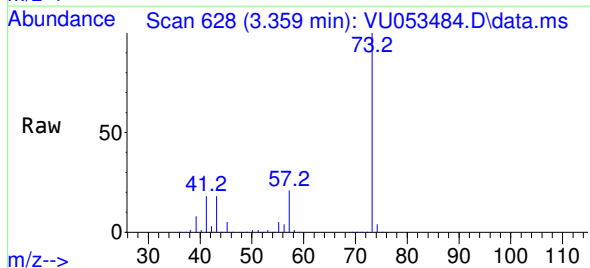




#25
Methyl tert-Butyl Ether
Concen: 37.21 ug/l
RT: 3.359 min Scan# 631
Delta R.T. -0.010 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

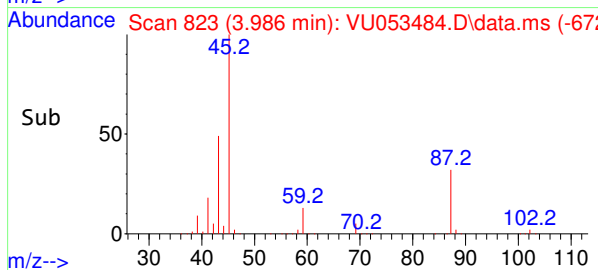
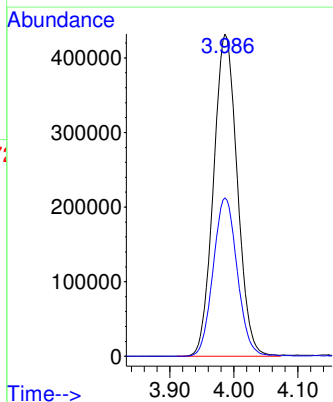
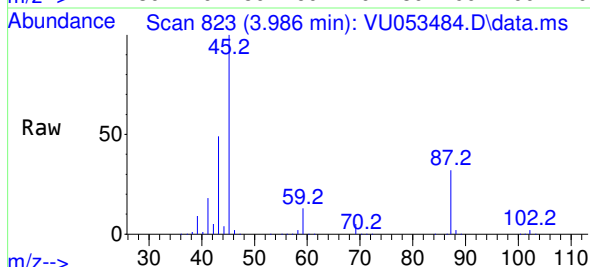
Instrument :
MSVOA_U
ClientSampleId :

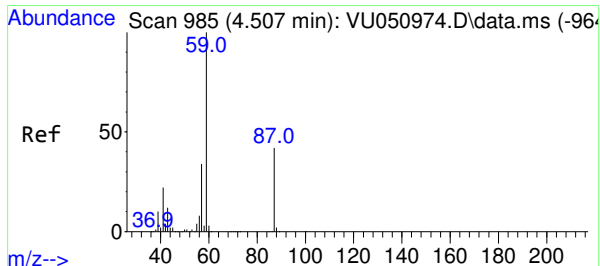
Tgt Ion: 73 Resp: 931771
Ion Ratio Lower Upper
73 100
43 17.9 15.0 22.6



#31
Isopropyl Ether
Concen: 38.07 ug/l
RT: 3.986 min Scan# 823
Delta R.T. -0.013 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

Tgt Ion: 45 Resp: 1115912
Ion Ratio Lower Upper
45 100
43 49.8 27.5 82.5

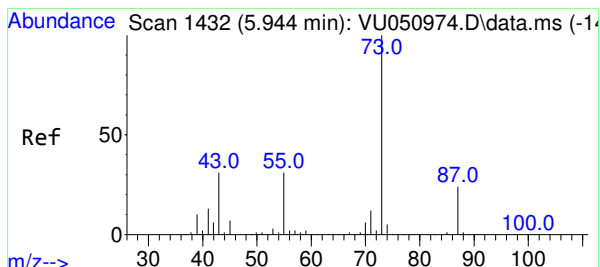
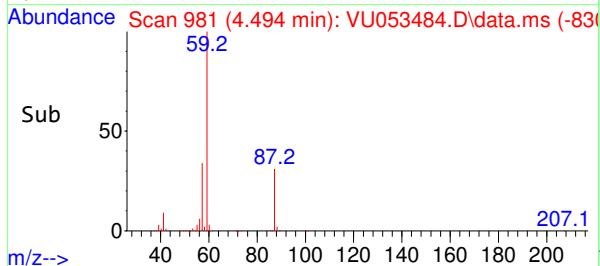
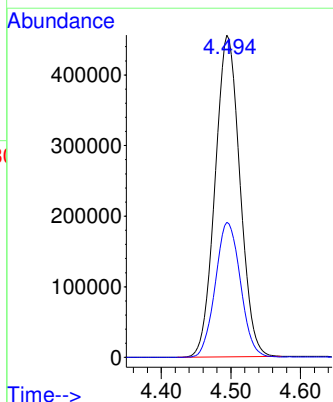
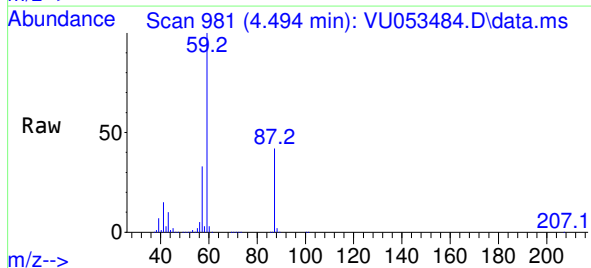




#32
Ethyl-t-butyl ether
Concen: 37.44 ug/l
RT: 4.494 min Scan# 985
Delta R.T. -0.013 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

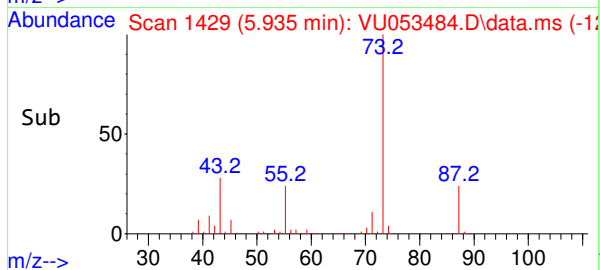
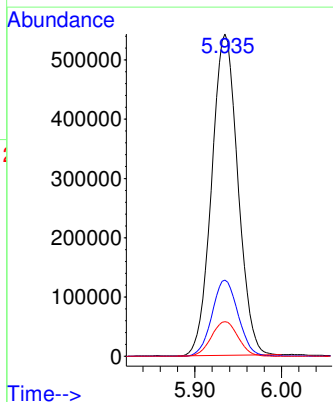
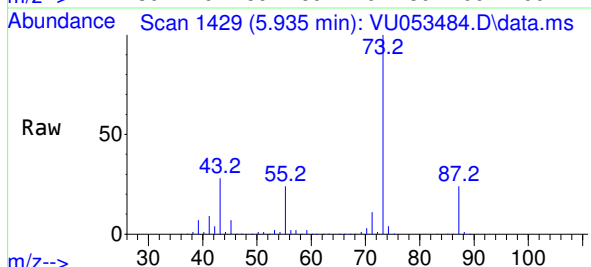
Instrument :
MSVOA_U
ClientSampleId :

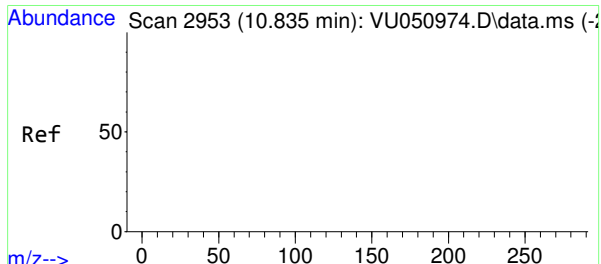
Tgt Ion: 59 Resp: 1127076
Ion Ratio Lower Upper
59 100
87 42.4 33.5 50.3



#33
Tert-Amyl methyl ether
Concen: 42.59 ug/l
RT: 5.935 min Scan# 1429
Delta R.T. -0.010 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

Tgt Ion: 73 Resp: 1140116
Ion Ratio Lower Upper
73 100
87 23.6 18.6 28.0
71 11.0 9.9 14.9

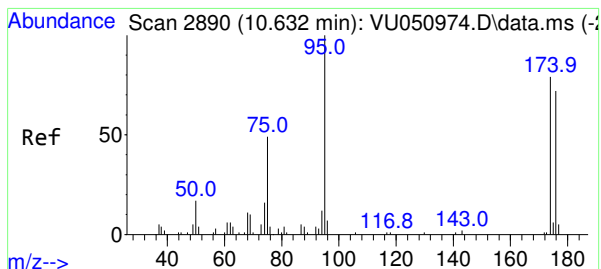
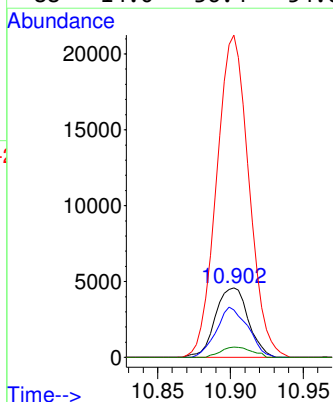
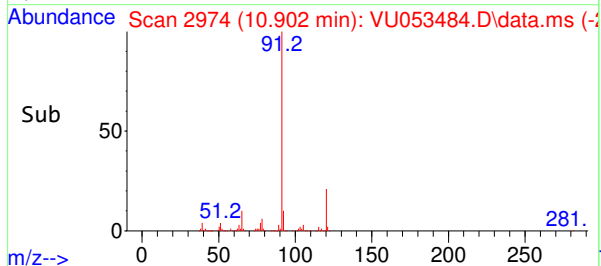
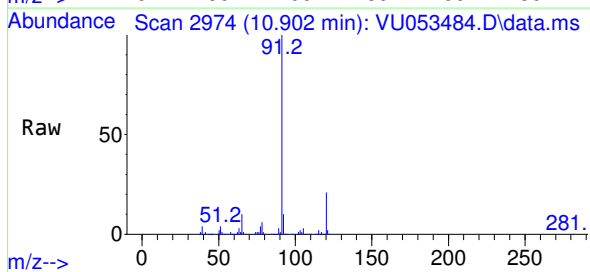




#46
t-1,4-Dichloro-2-butene
Concen: 2.55 ug/l
RT: 10.902 min Scan# 2
Delta R.T. 0.067 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

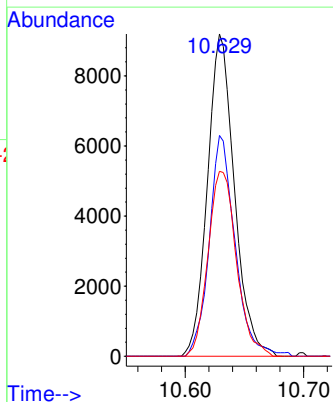
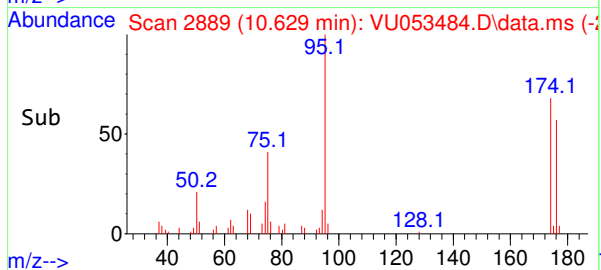
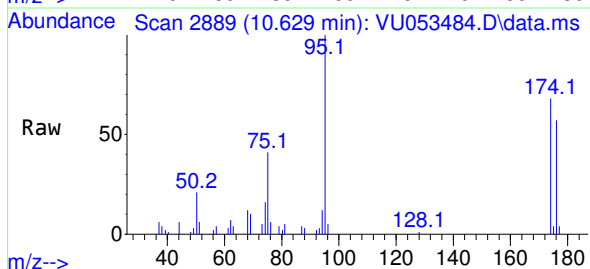
Instrument :
MSVOA_U
ClientSampleId :

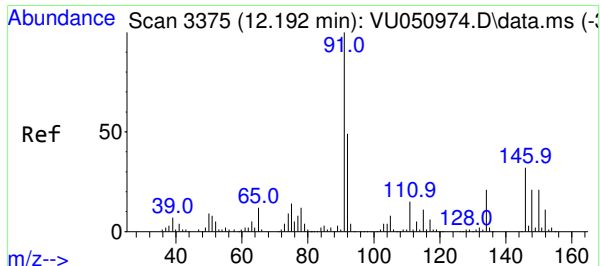
Tgt Ion:	75	Resp:	7231
Ion	Ratio	Lower	Upper
75	100		
53	69.2	73.3	109.9#
89	453.8	48.2	72.4#
88	14.0	36.4	54.6#



#57
4-Bromofluorobenzene
Concen: 0.94 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.003 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

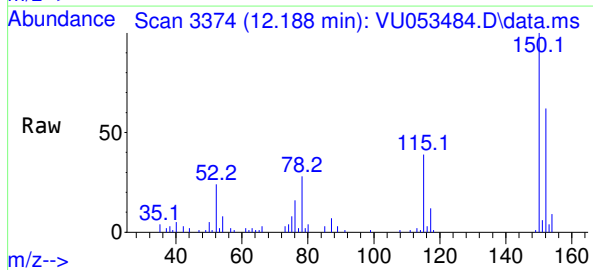
Tgt Ion:	95	Resp:	14539
Ion	Ratio	Lower	Upper
95	100		
174	65.8	63.3	94.9
176	60.4	59.3	88.9



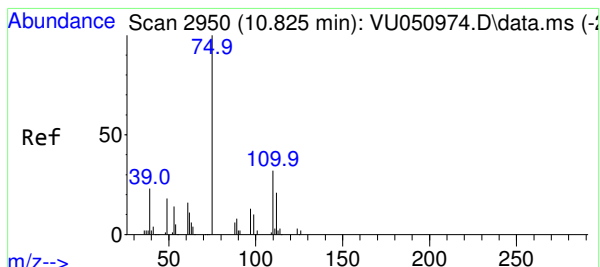
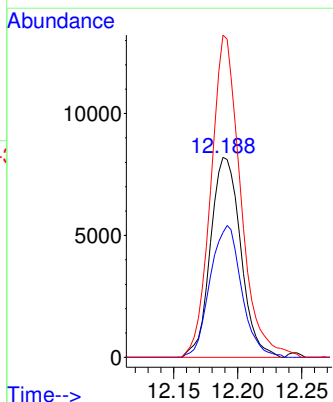
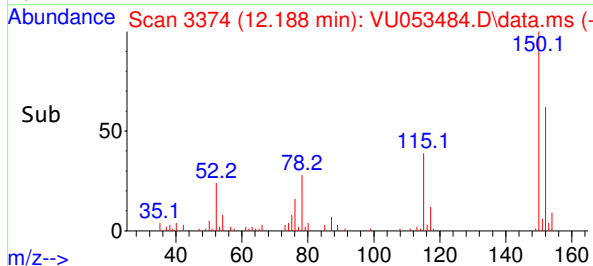


#68
1,2-Dichlorobenzene-d4
Concen: 0.87 ug/l
RT: 12.188 min Scan# 3375
Delta R.T. -0.004 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

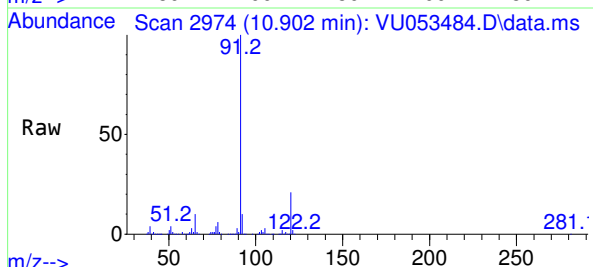
Instrument :
MSVOA_U
ClientSampleId :



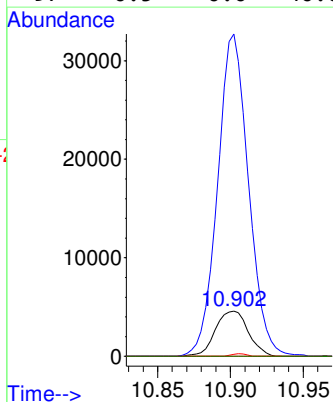
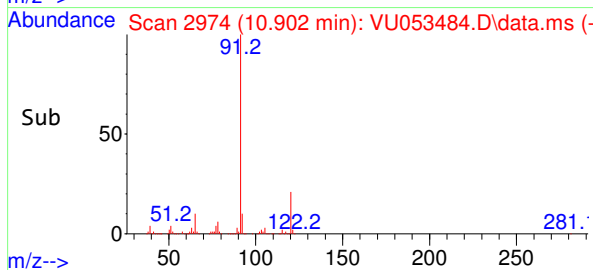
Tgt Ion:	152	Resp:	13482
Ion	Ratio	Lower	Upper
152	100		
115	68.6	0.0	308.8
150	158.6	0.0	635.0

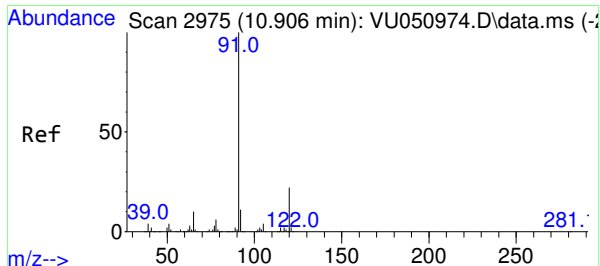


#71
1,2,3-Trichloropropane
Concen: 0.93 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. 0.077 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54



Tgt Ion:	75	Resp:	7231
Ion	Ratio	Lower	Upper
75	100		
77	669.8	0.0	116.4#
110	2.4	0.0	74.6
97	0.5	0.0	40.0

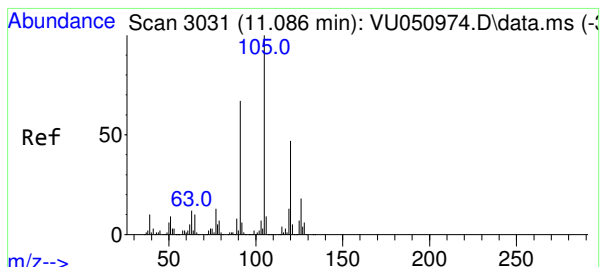
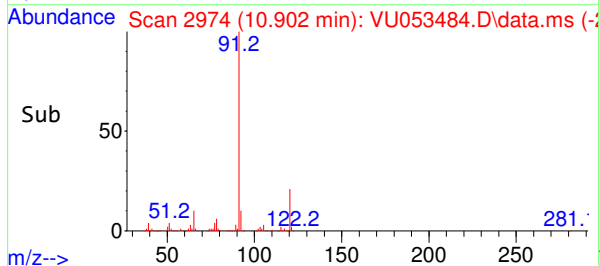
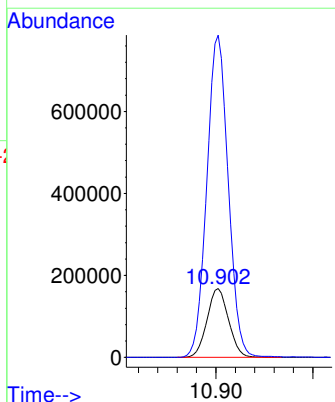
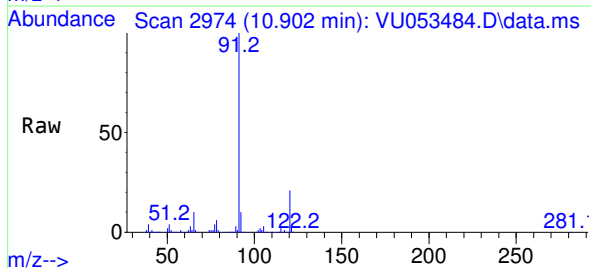




#73
n-propylbenzene
Concen: 17.50 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. -0.004 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:120 Resp: 258658
Ion Ratio Lower Upper
120 100
91 465.5 369.8 554.6



#75
1,3,5-Trimethylbenzene
Concen: 0.87 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. -0.184 min
Lab File: VU053484.D
Acq: 30 Mar 2023 13:54

Tgt Ion:105 Resp: 41022
Ion Ratio Lower Upper
105 100
120 630.5 37.8 56.8#

