

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
 Data File : VU052785.D
 Acq On : 24 Jan 2023 12:25
 Operator : JC/MD
 Sample : 01245-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 25 01:35:59 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)

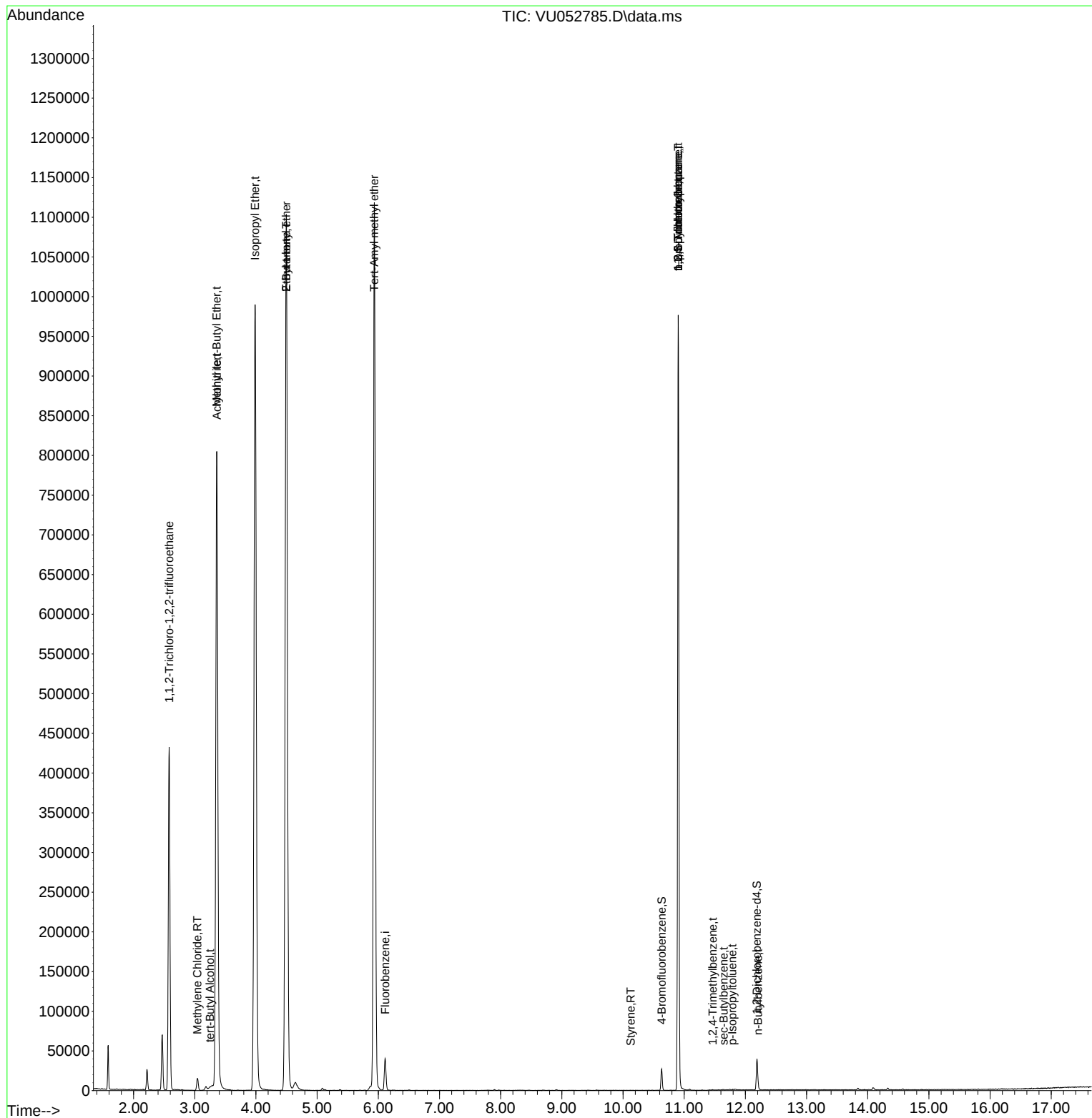
Internal Standards						
1) Fluorobenzene	6.112	96	40008	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	9277	0.697	ug/l	0.00
Spiked Amount 1.000			Recovery	=	70.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	10912	0.797	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
Target Compounds						
					Qvalue	
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	171745	17.380	ug/l	99
12) Acrylonitrile	3.363	53	10149	5.127	ug/l #	23
15) Methylene Chloride	3.041	84	7353	0.652	ug/l	92
18) 2-Butanone	4.494	43	113221	34.714	ug/l #	1
24) tert-Butyl Alcohol	3.250	59	2359	2.969	ug/l #	1
25) Methyl tert-Butyl Ether	3.359	73	942213	43.997	ug/l	98
31) Isopropyl Ether	3.986	45	1048294	41.579	ug/l	100
32) Ethyl-t-butyl ether	4.498	59	1151854	48.935	ug/l	100
33) Tert-Amyl methyl ether	5.935	73	923799	44.379	ug/l	99
46) t-1,4-Dichloro-2-butene	10.902	75	4502	1.498	ug/l #	1
66) Styrene	10.124	104	118	0.424	ug/l #	26
71) 1,2,3-Trichloropropane	10.902	75	4502	0.538	ug/l #	1
73) n-propylbenzene	10.902	120	160853	10.681	ug/l	99
75) 1,3,5-Trimethylbenzene	10.902	105	25978	0.964	ug/l #	1
78) 1,2,4-Trimethylbenzene	11.465	105	458	0.464	ug/l #	53
79) sec-Butylbenzene	11.645	105	512	0.437	ug/l #	75
81) p-Isopropyltoluene	11.787	119	542	0.494	ug/l #	60
84) n-Butylbenzene	12.208	91	1299	0.581	ug/l #	79

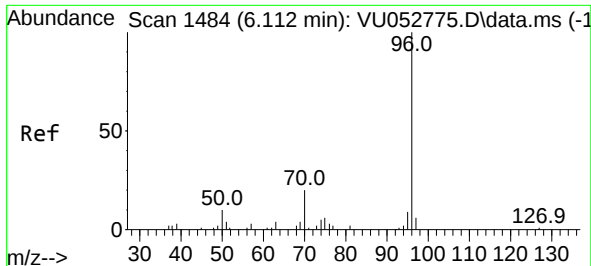
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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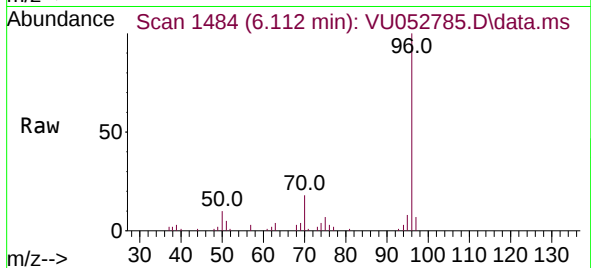
Quant Time: Jan 25 01:35:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jan 24 05:16:59 2023
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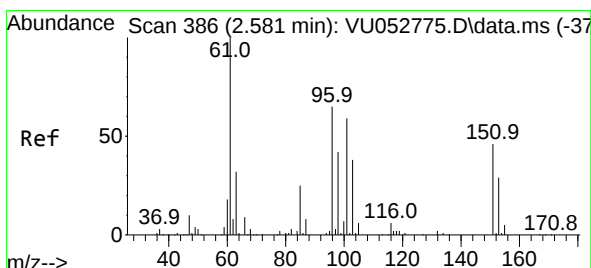
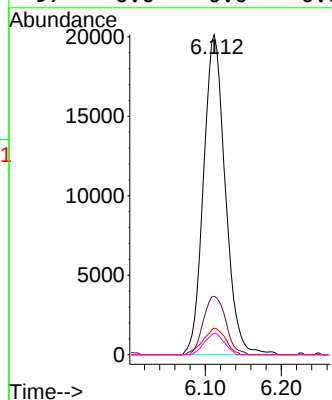
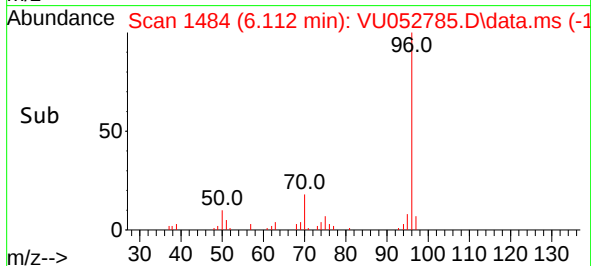


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25

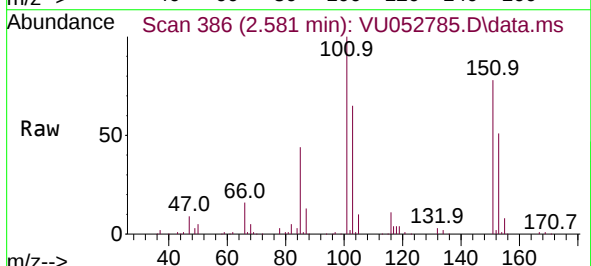
Instrument :
MSVOA_U
ClientSampleId :



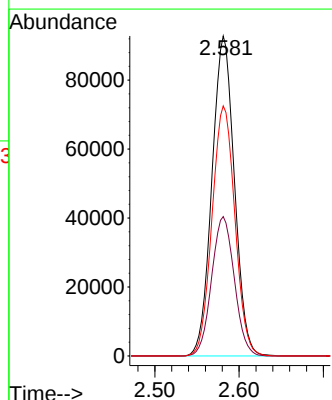
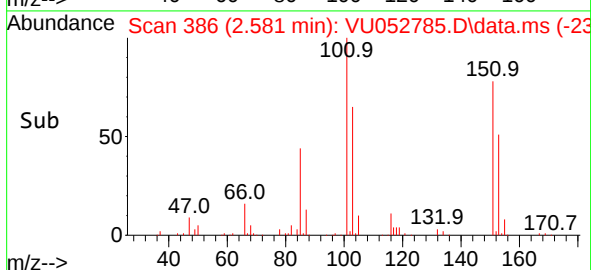
Tgt Ion: 96	Resp: 40008
Ion Ratio	Lower Upper
96 100	
70 18.9	16.2 24.4
95 8.3	7.4 11.0
97 6.0	0.0 0.0

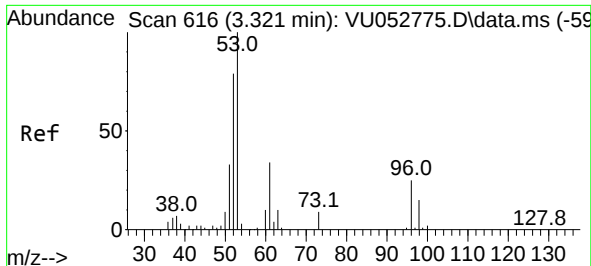


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 17.380 ug/l
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25



Tgt Ion: 101	Resp: 171745
Ion Ratio	Lower Upper
101 100	
85 44.0	34.1 51.1
151 79.6	63.0 94.4

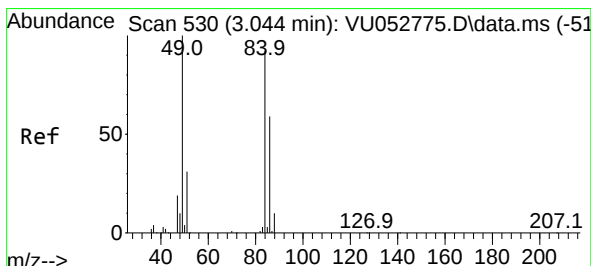
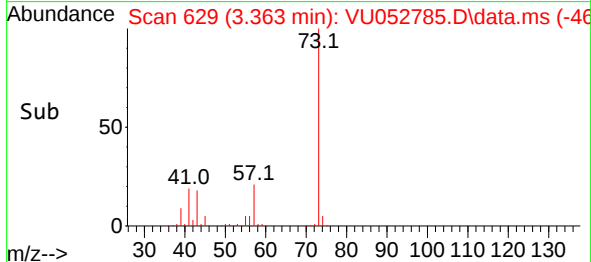
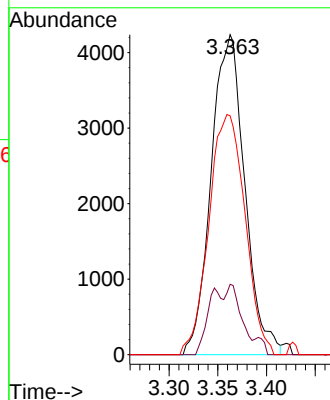
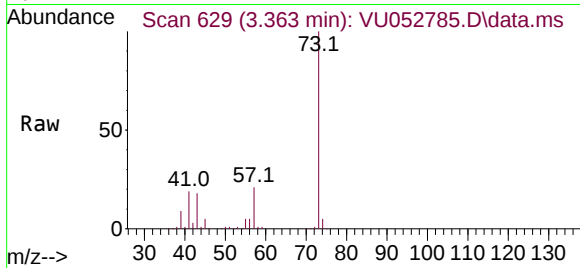




#12
Acrylonitrile
Concen: 5.127 ug/l
RT: 3.363 min Scan# 616
Delta R.T. 0.042 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25

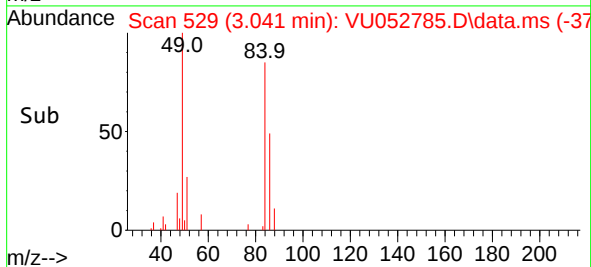
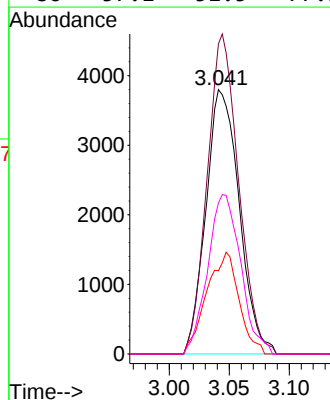
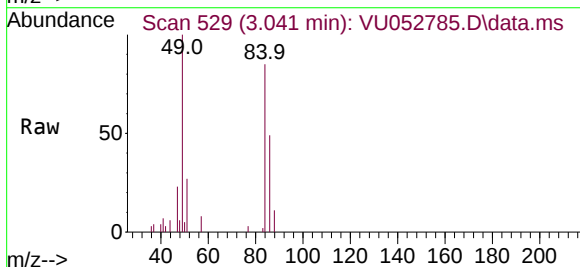
Instrument :
MSVOA_U
ClientSampleId :

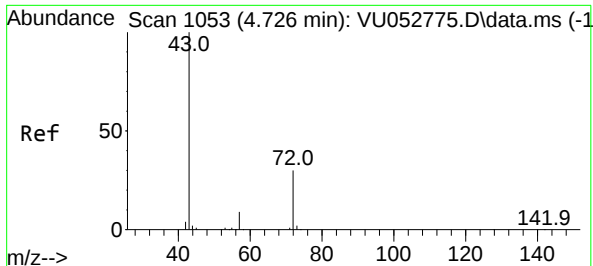
Tgt Ion: 53 Resp: 10149
Ion Ratio Lower Upper
53 100
52 7.4 63.0 94.4#
51 80.6 31.3 46.9#



#15
Methylene Chloride
Concen: 0.652 ug/l
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25

Tgt Ion: 84 Resp: 7353
Ion Ratio Lower Upper
84 100
49 117.3 86.7 130.1
51 31.5 0.0 66.8
86 57.1 51.5 77.3





#18

2-Butanone

Concen: 34.714 ug/l

RT: 4.494 min Scan# 91

Delta R.T. -0.232 min

Lab File: VU052785.D

Acq: 24 Jan 2023 12:25

Instrument :

MSVOA_U

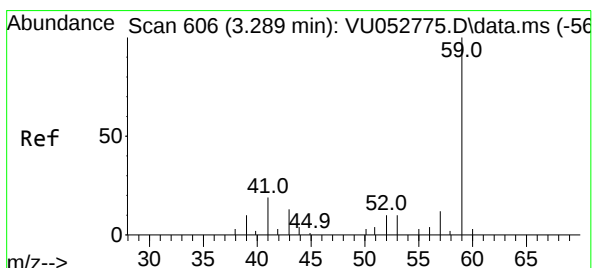
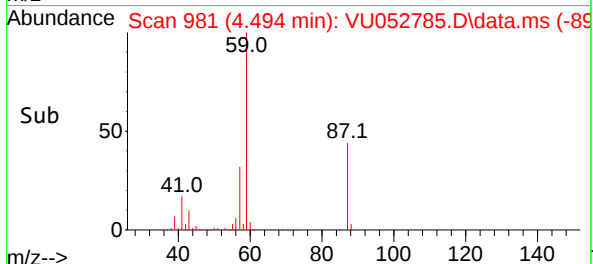
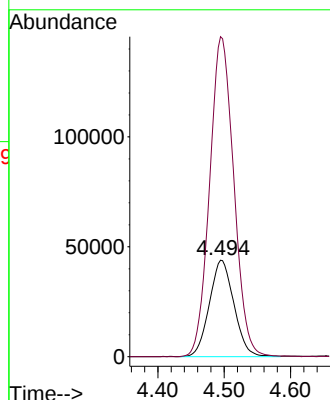
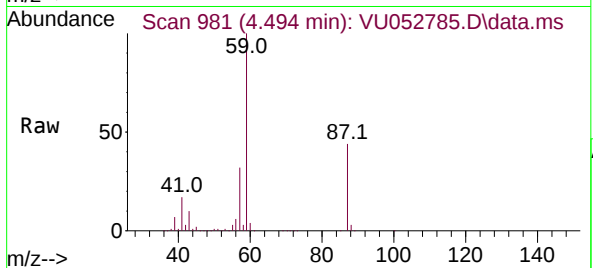
ClientSampleId :

Tgt Ion: 43 Resp: 113221

Ion Ratio Lower Upper

43 100

57 331.3 0.0 17.4#



#24

tert-Butyl Alcohol

Concen: 2.969 ug/l

RT: 3.250 min Scan# 594

Delta R.T. -0.039 min

Lab File: VU052785.D

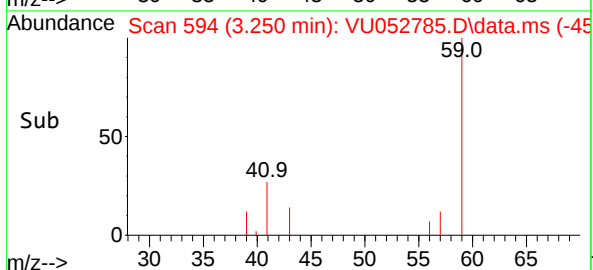
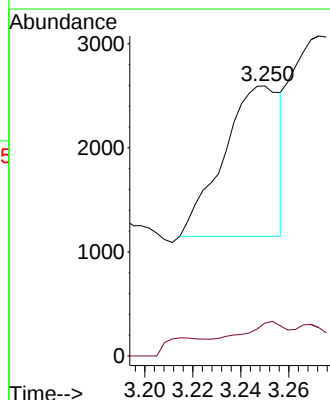
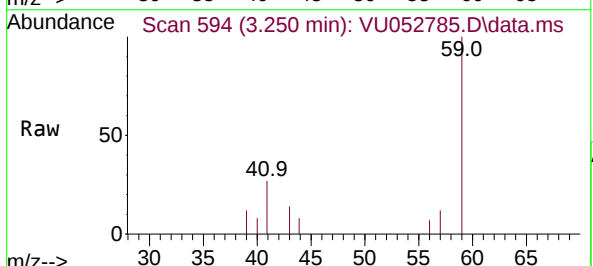
Acq: 24 Jan 2023 12:25

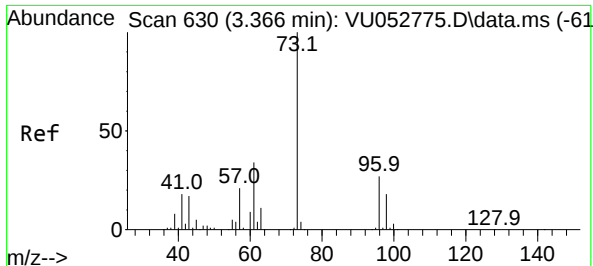
Tgt Ion: 59 Resp: 2359

Ion Ratio Lower Upper

59 100

57 8339.6 45.8 68.8#

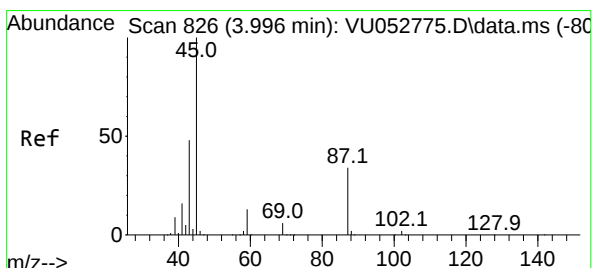
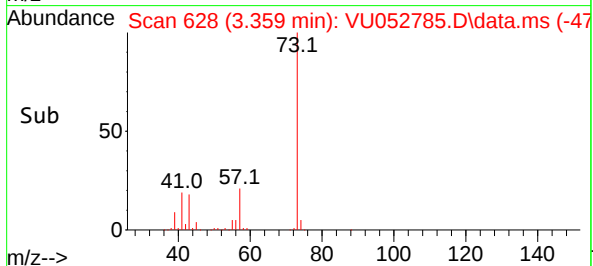
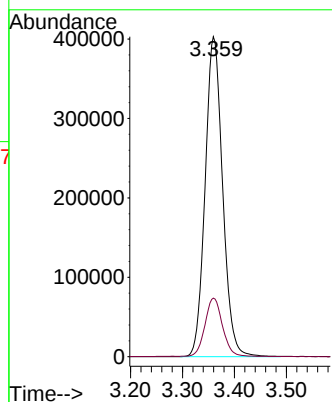
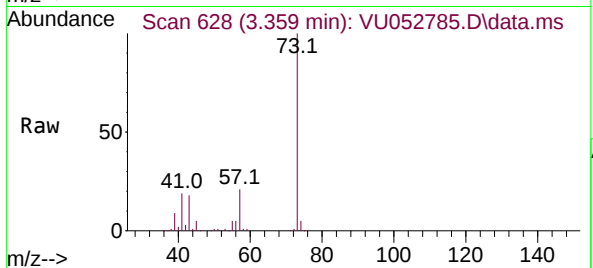




#25
Methyl tert-Butyl Ether
Concen: 43.997 ug/l
RT: 3.359 min Scan# 61
Delta R.T. -0.007 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25

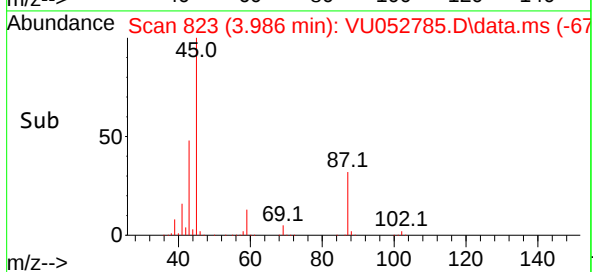
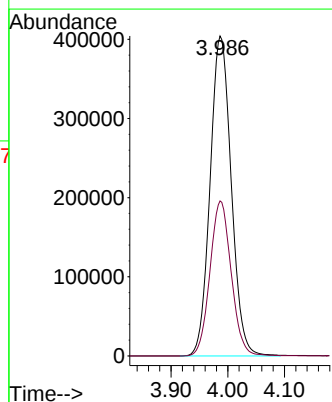
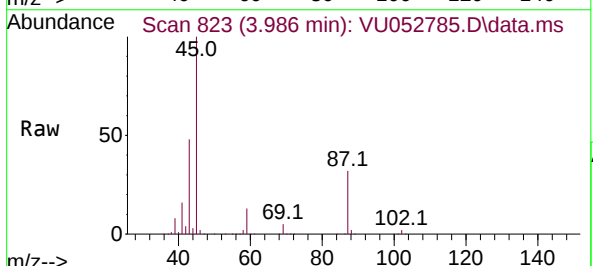
Instrument :
MSVOA_U
ClientSampleId :

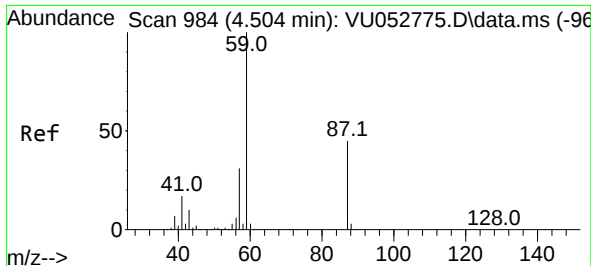
Tgt Ion: 73 Resp: 942213
Ion Ratio Lower Upper
73 100
43 18.4 15.3 22.9



#31
Isopropyl Ether
Concen: 41.579 ug/l
RT: 3.986 min Scan# 823
Delta R.T. -0.010 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25

Tgt Ion: 45 Resp: 1048294
Ion Ratio Lower Upper
45 100
43 48.7 24.5 73.5





#32

Ethyl-t-butyl ether

Concen: 48.935 ug/l

RT: 4.498 min Scan# 91

Delta R.T. -0.007 min

Lab File: VU052785.D

Acq: 24 Jan 2023 12:25

Instrument :

MSVOA_U

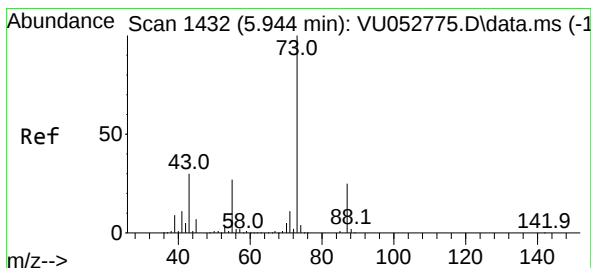
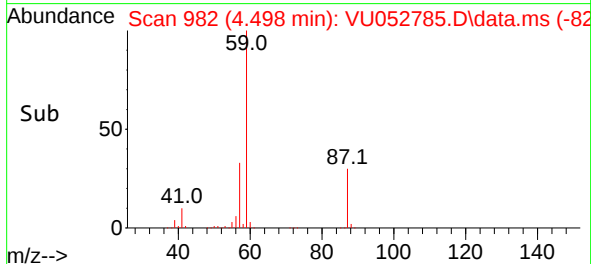
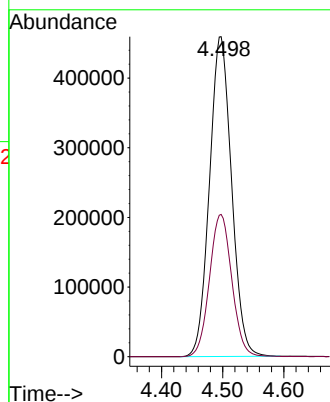
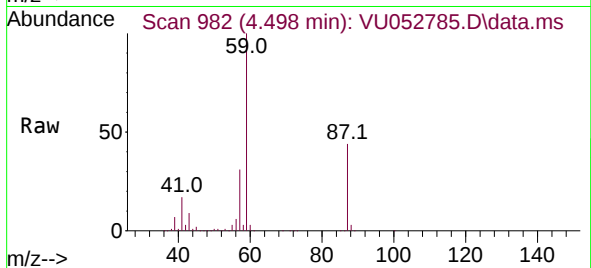
ClientSampleId :

Tgt Ion: 59 Resp: 1151854

Ion Ratio Lower Upper

59 100

87 44.9 36.2 54.2



#33

Tert-Amyl methyl ether

Concen: 44.379 ug/l

RT: 5.935 min Scan# 1429

Delta R.T. -0.010 min

Lab File: VU052785.D

Acq: 24 Jan 2023 12:25

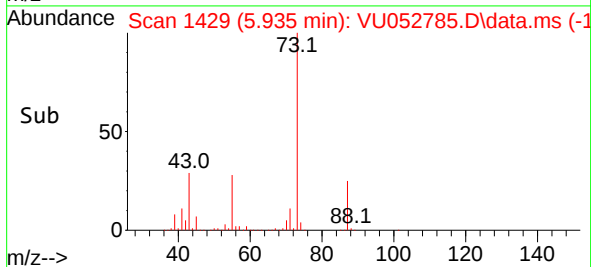
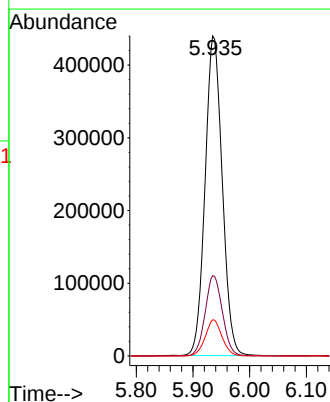
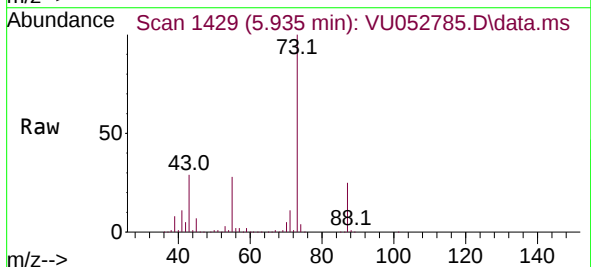
Tgt Ion: 73 Resp: 923799

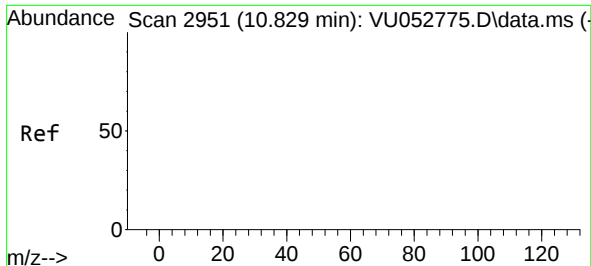
Ion Ratio Lower Upper

73 100

87 25.2 20.1 30.1

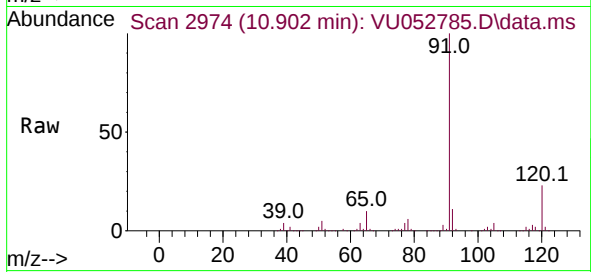
71 11.0 9.2 13.8



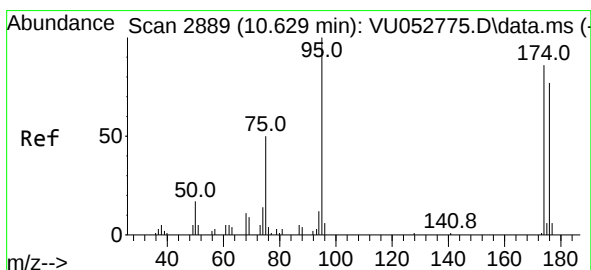
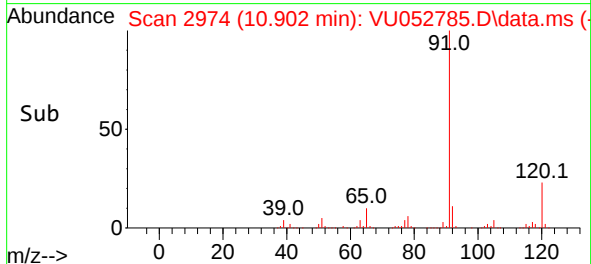
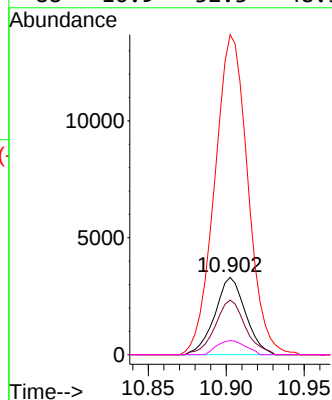


#46
t-1,4-Dichloro-2-butene
Concen: 1.498 ug/l
RT: 10.902 min Scan# 2951
Delta R.T. 0.074 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25

Instrument :
MSVOA_U
ClientSampleId :

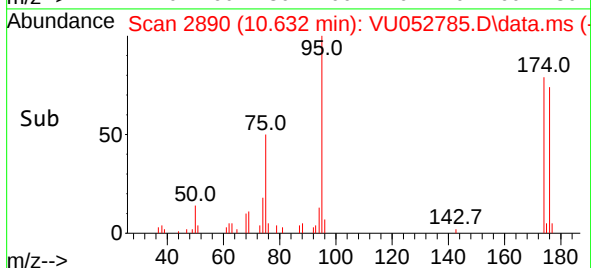
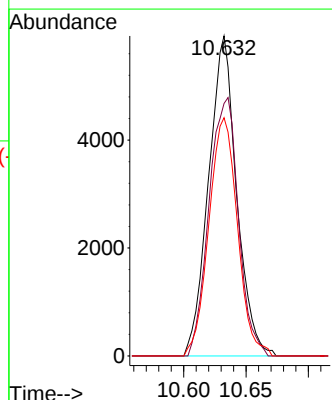
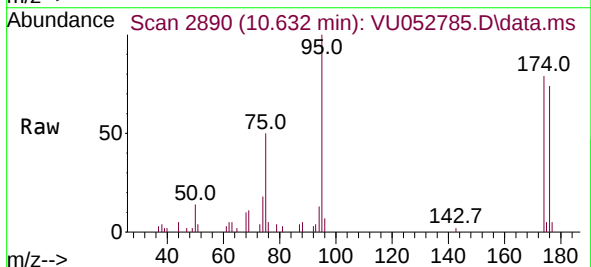


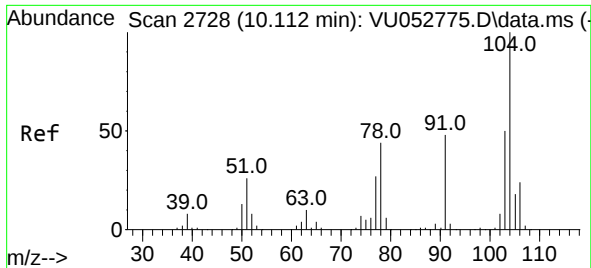
Tgt Ion:	75	Resp:	4502
Ion	Ratio	Lower	Upper
75	100		
53	69.6	57.0	85.4
89	449.2	41.1	61.7#
88	16.9	32.3	48.5#



#57
4-Bromofluorobenzene
Concen: 0.697 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25

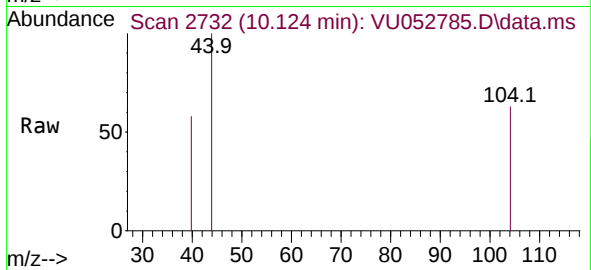
Tgt Ion:	95	Resp:	9277
Ion	Ratio	Lower	Upper
95	100		
174	84.7	66.9	100.3
176	76.0	61.9	92.9



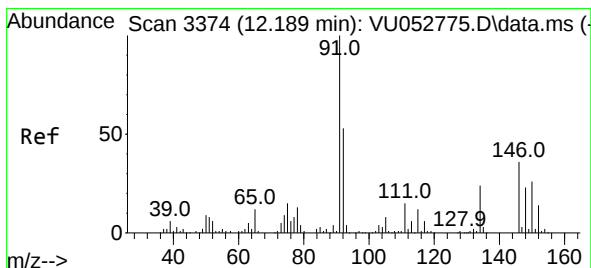
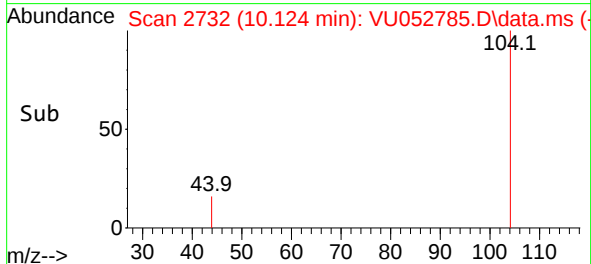
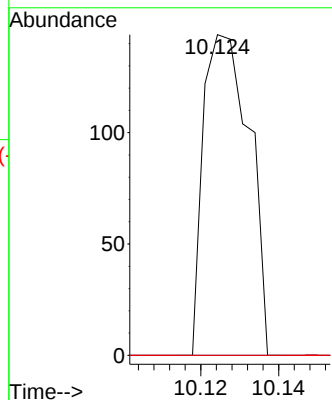


#66
 Styrene
 Concen: 0.424 ug/l
 RT: 10.124 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VU052785.D
 Acq: 24 Jan 2023 12:25

Instrument :
 MSVOA_U
 ClientSampleId :

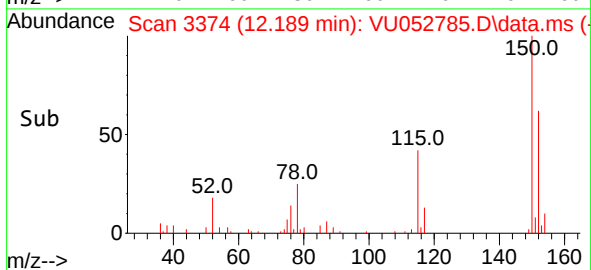
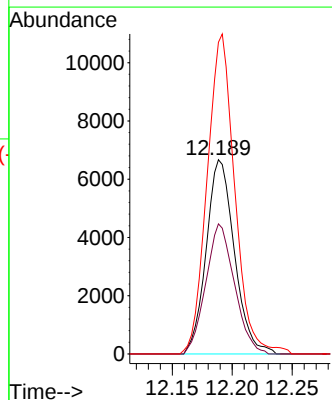
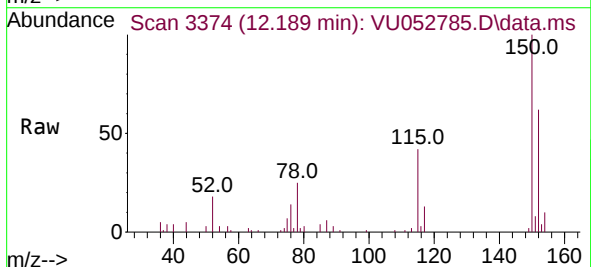


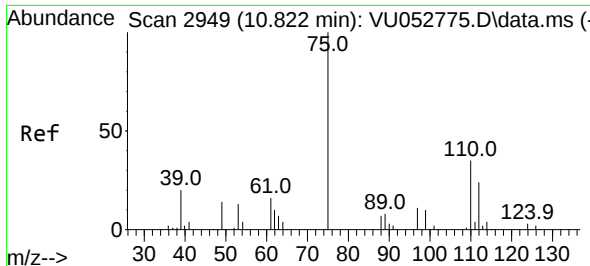
Tgt Ion:104 Resp: 118
 Ion Ratio Lower Upper
 104 100
 78 0.0 39.6 59.4#
 103 0.0 42.9 64.3#



#68
 1,2-Dichlorobenzene-d4
 Concen: 0.797 ug/l
 RT: 12.189 min Scan# 3374
 Delta R.T. -0.000 min
 Lab File: VU052785.D
 Acq: 24 Jan 2023 12:25

Tgt Ion:152 Resp: 10912
 Ion Ratio Lower Upper
 152 100
 115 67.8 0.0 262.6
 150 161.2 0.0 638.0

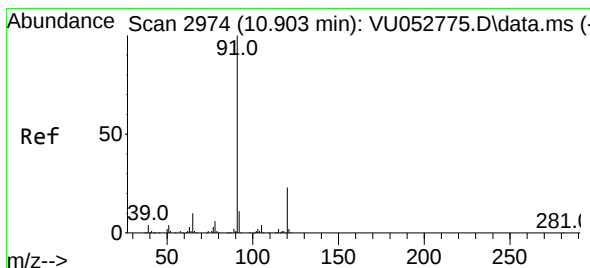
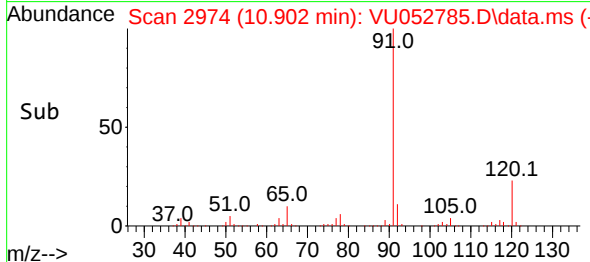
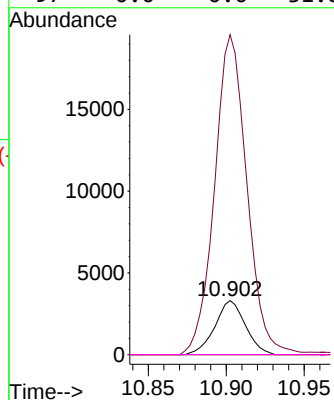
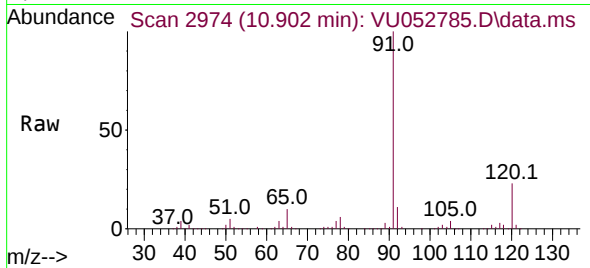




#71
1,2,3-Trichloropropane
Concen: 0.538 ug/l
RT: 10.902 min Scan# 2949
Delta R.T. 0.080 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25

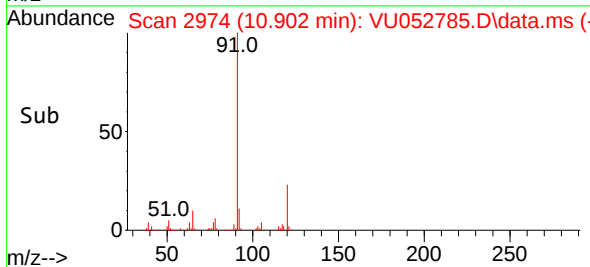
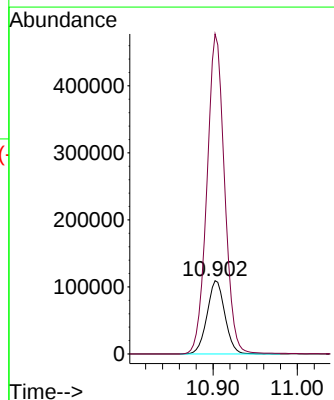
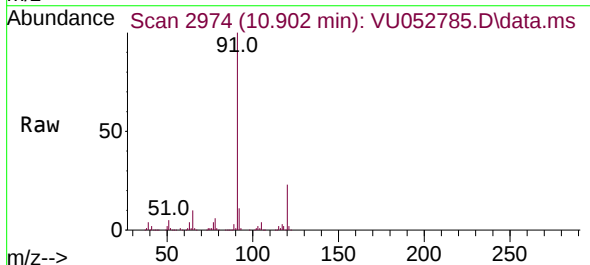
Instrument :
MSVOA_U
ClientSampleId :

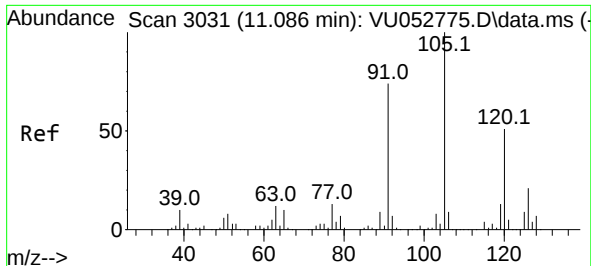
Tgt Ion: 75	Resp: 4502
Ion Ratio	Lower Upper
75	100
77	631.4 0.0 86.0#
110	0.0 0.0 63.8
97	0.0 0.0 31.8



#73
n-propylbenzene
Concen: 10.681 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. -0.001 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25

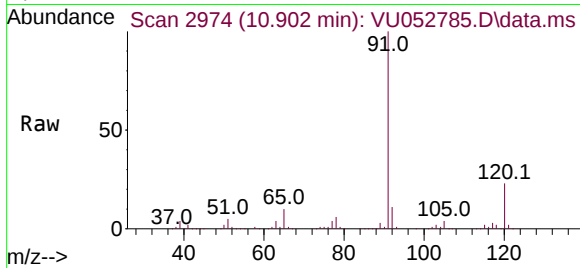
Tgt Ion: 120	Resp: 160853
Ion Ratio	Lower Upper
120	100
91	433.0 348.0 522.0



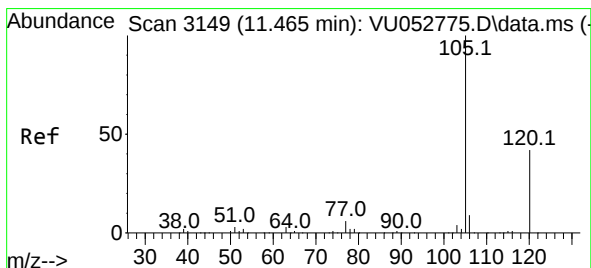
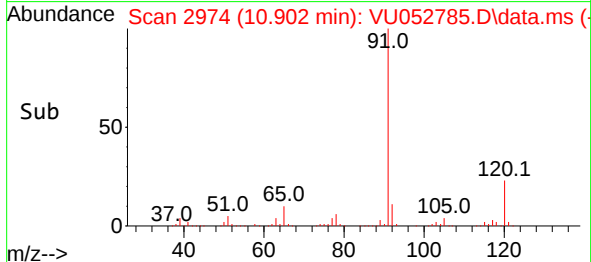
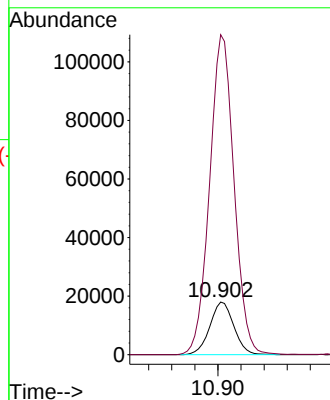


#75
1,3,5-Trimethylbenzene
Concen: 0.964 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. -0.184 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25

Instrument :
MSVOA_U
ClientSampleId :

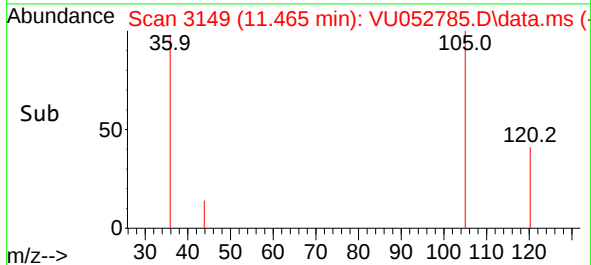
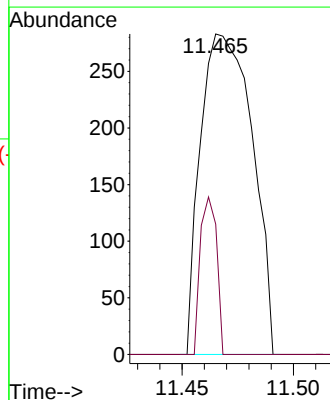
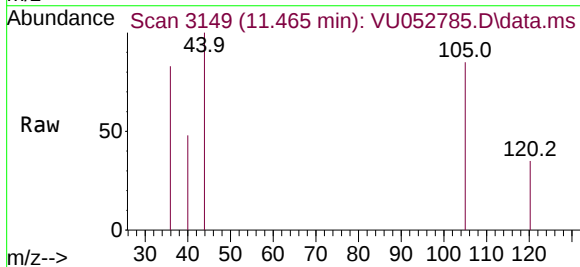


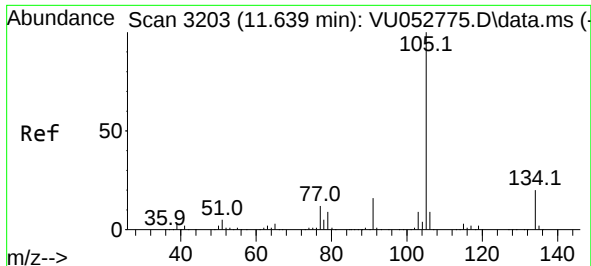
Tgt Ion:105 Resp: 25978
Ion Ratio Lower Upper
105 100
120 619.2 39.9 59.9#



#78
1,2,4-Trimethylbenzene
Concen: 0.464 ug/l
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU052785.D
Acq: 24 Jan 2023 12:25

Tgt Ion:105 Resp: 458
Ion Ratio Lower Upper
105 100
120 15.5 23.4 70.3#

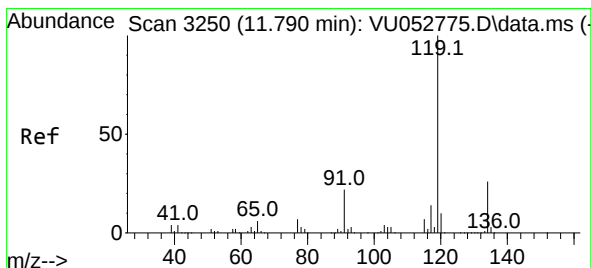
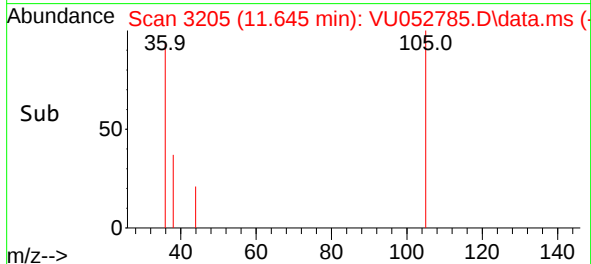
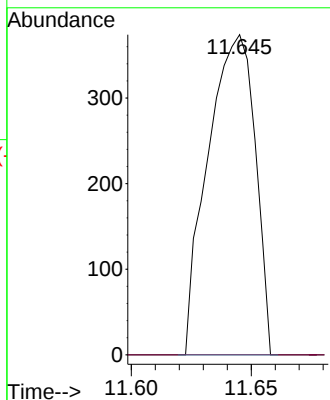
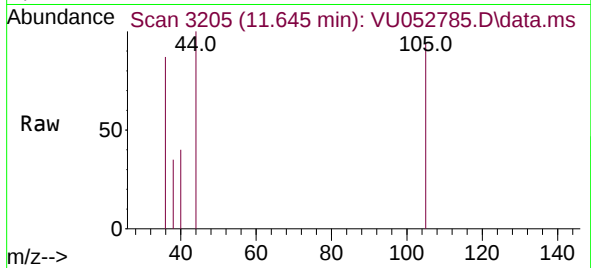




#79
 sec-Butylbenzene
 Concen: 0.437 ug/l
 RT: 11.645 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VU052785.D
 Acq: 24 Jan 2023 12:25

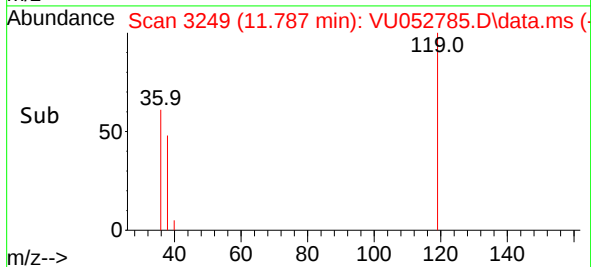
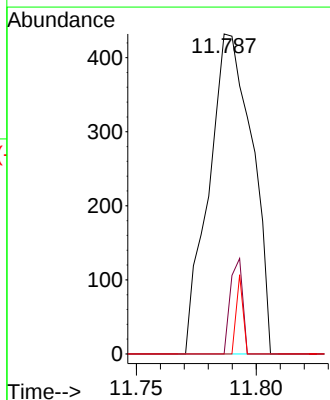
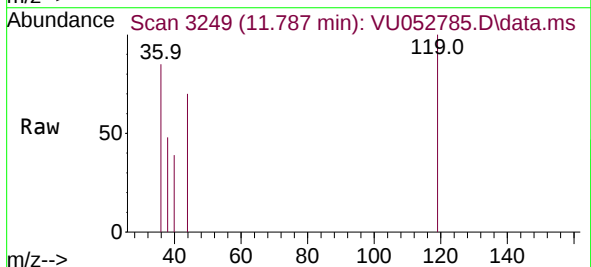
Instrument :
 MSVOA_U
 ClientSampleId :

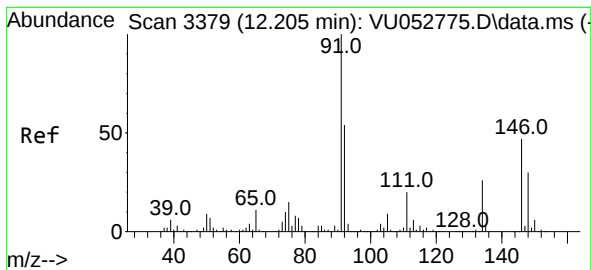
Tgt Ion:105 Resp: 512
 Ion Ratio Lower Upper
 105 100
 134 8.8 16.5 24.7#



#81
 p-Isopropyltoluene
 Concen: 0.494 ug/l
 RT: 11.787 min Scan# 3249
 Delta R.T. -0.003 min
 Lab File: VU052785.D
 Acq: 24 Jan 2023 12:25

Tgt Ion:119 Resp: 542
 Ion Ratio Lower Upper
 119 100
 134 8.3 20.7 31.1#
 91 0.0 17.6 26.4#





#84

n-Butylbenzene

Concen: 0.581 ug/l

RT: 12.208 min Scan# 31

Delta R.T. 0.003 min

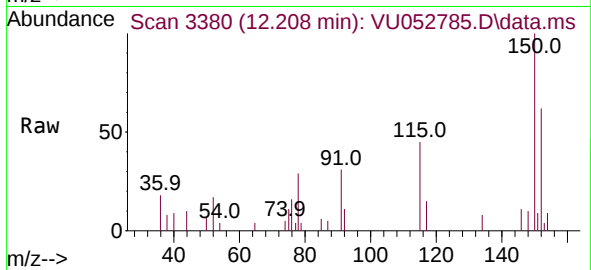
Lab File: VU052785.D

Acq: 24 Jan 2023 12:25

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 91 Resp: 1299

Ion Ratio Lower Upper

91 100

92 37.3 43.4 65.0#

134 18.0 21.2 31.8#

