

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
 Data File : VU052788.D
 Acq On : 24 Jan 2023 13:47
 Operator : JC/MD
 Sample : 01245-09DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 25 01:36:55 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)

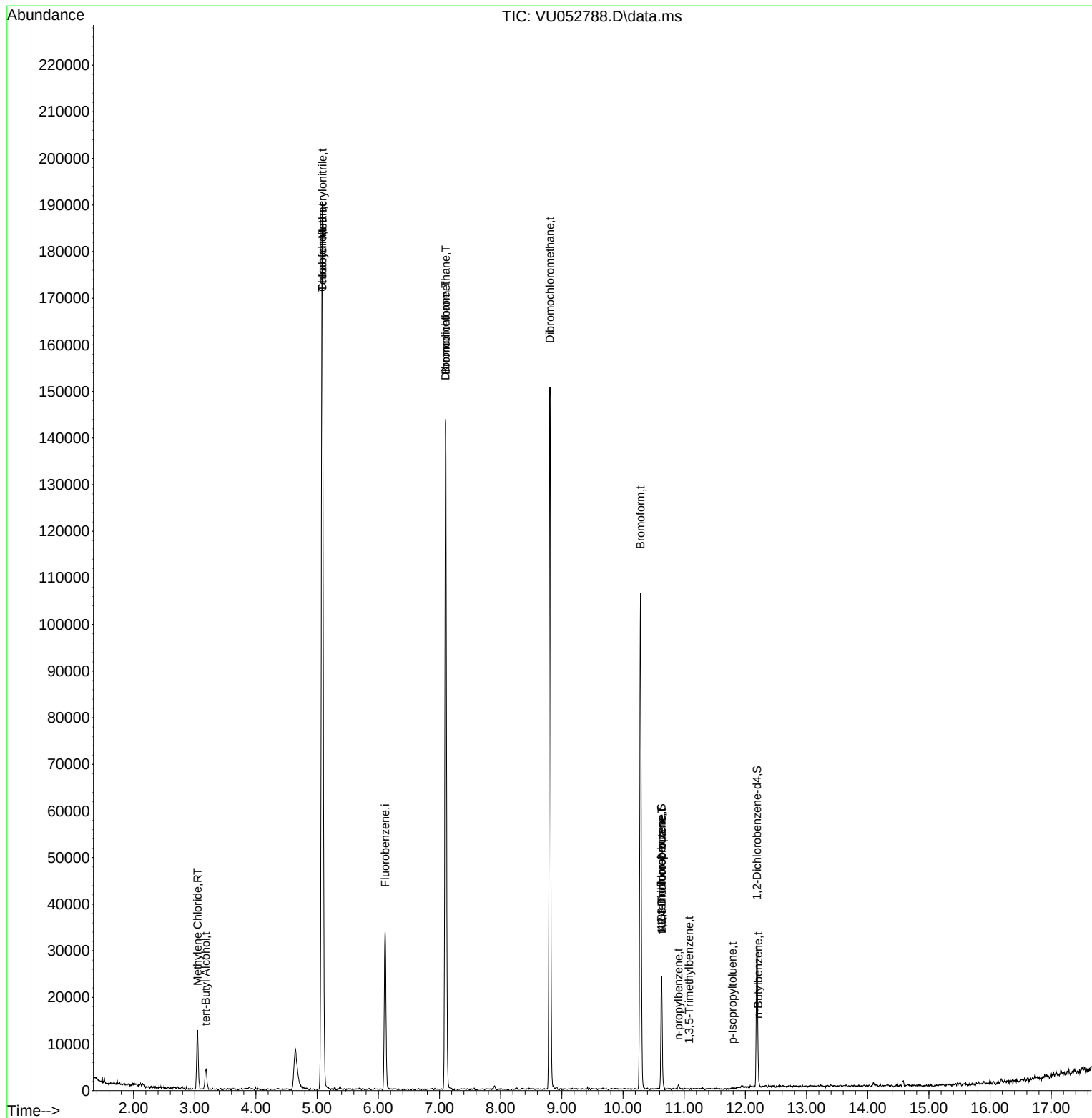
Internal Standards						
1) Fluorobenzene	6.112	96	32979	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	8391	0.765	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	9194	0.815	ug/l	0.00
Spiked Amount 1.000			Recovery	=	81.000%	
Target Compounds						
					Qvalue	
15) Methylene Chloride	3.044	84	6655	0.716	ug/l	94
24) tert-Butyl Alcohol	3.179	59	2702	4.125	ug/l #	22
27) Chloroform	5.083	83	172640	11.140	ug/l	100
39) Methacrylonitrile	5.089	41	621	0.253	ug/l #	21
41) Tetrahydrofuran	5.083	42	453	0.370	ug/l #	1
43) Dibromomethane	7.099	93	2841	0.632	ug/l #	3
44) Bromodichloromethane	7.102	83	96079	7.878	ug/l	100
46) t-1,4-Dichloro-2-butene	10.632	75	4319	1.744	ug/l #	26
55) Dibromochloromethane	8.806	129	79456	9.502	ug/l	100
67) Bromoform	10.285	173	47881	9.703	ug/l	99
71) 1,2,3-Trichloropropane	10.632	75	4319	0.626	ug/l #	41
73) n-propylbenzene	10.906	120	209	0.457	ug/l	77
75) 1,3,5-Trimethylbenzene	11.079	105	40	0.421	ug/l #	1
81) p-Isopropyltoluene	11.790	119	40	0.485	ug/l #	51
84) n-Butylbenzene	12.211	91	184	0.559	ug/l #	32

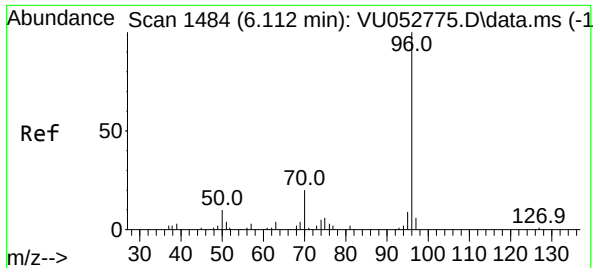
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

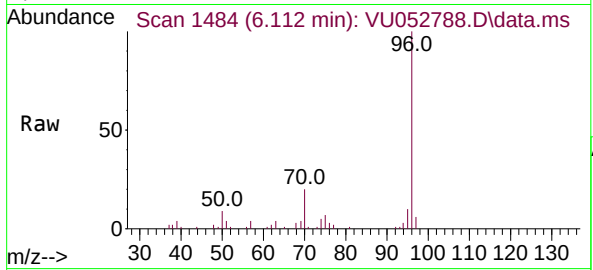
Quant Time: Jan 25 01:36:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jan 24 05:16:59 2023
Response via : Initial Calibration



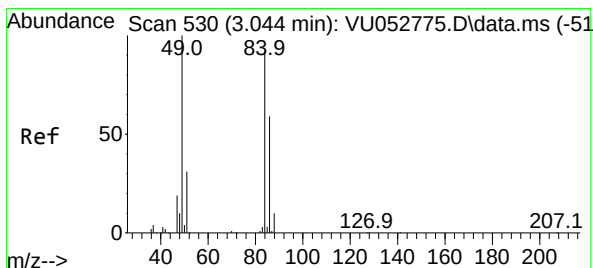
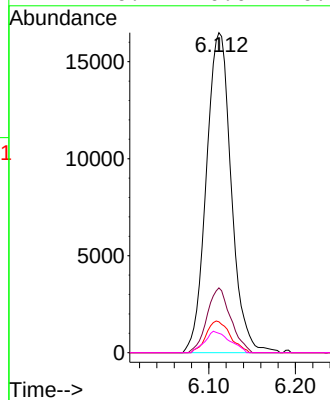
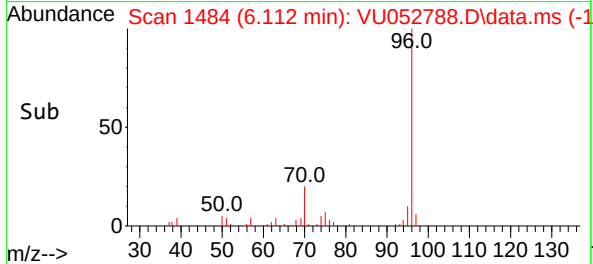


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052788.D
Acq: 24 Jan 2023 13:47

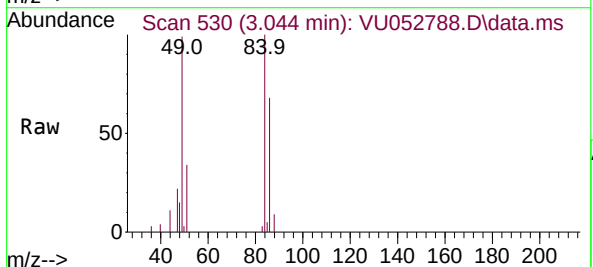
Instrument :
MSVOA_U
ClientSampleId :



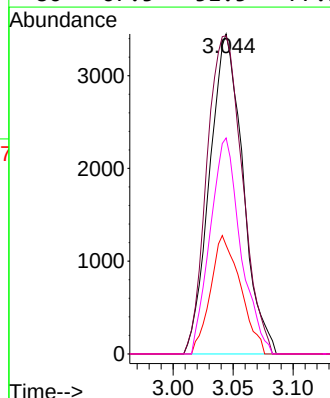
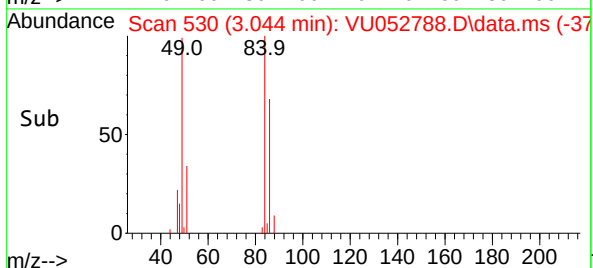
Tgt Ion: 96	Resp: 32979
Ion Ratio	Lower Upper
96 100	
70 19.2	16.2 24.4
95 9.5	7.4 11.0
97 6.7	0.0 0.0#

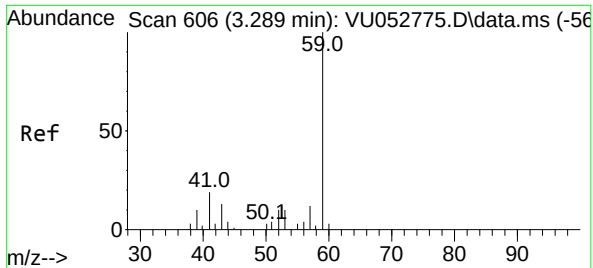


#15
Methylene Chloride
Concen: 0.716 ug/l
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU052788.D
Acq: 24 Jan 2023 13:47



Tgt Ion: 84	Resp: 6655
Ion Ratio	Lower Upper
84 100	
49 99.4	86.7 130.1
51 33.9	0.0 66.8
86 67.5	51.5 77.3

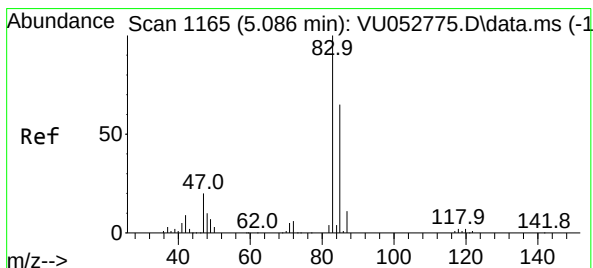
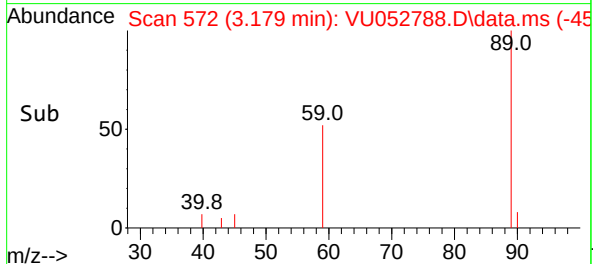
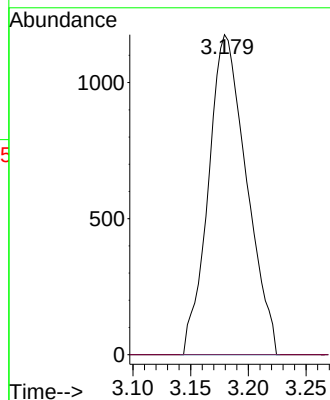
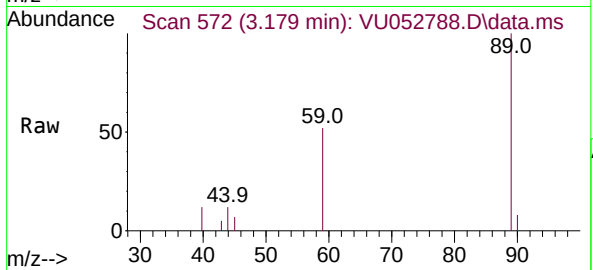




#24
tert-Butyl Alcohol
Concen: 4.125 ug/l
RT: 3.179 min Scan# 51
Delta R.T. -0.109 min
Lab File: VU052788.D
Acq: 24 Jan 2023 13:47

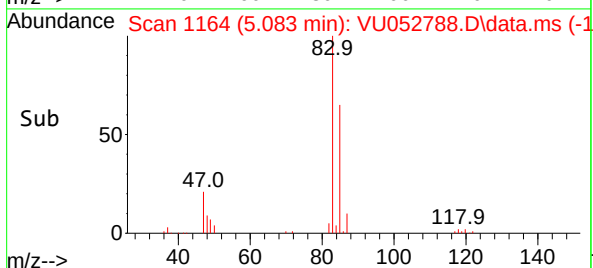
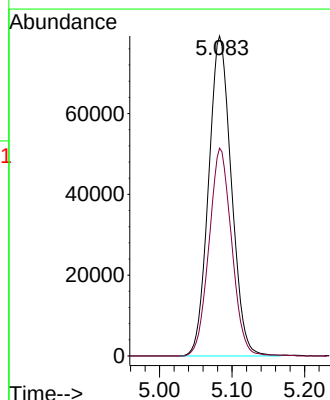
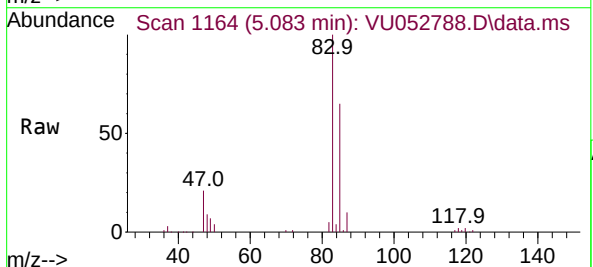
Instrument :
MSVOA_U
ClientSampleId :

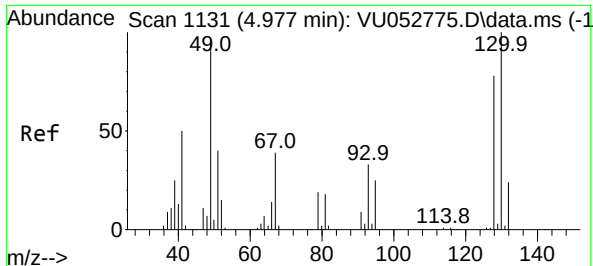
Tgt Ion: 59 Resp: 2702
Ion Ratio Lower Upper
59 100
57 0.0 45.8 68.8#



#27
Chloroform
Concen: 11.140 ug/l
RT: 5.083 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VU052788.D
Acq: 24 Jan 2023 13:47

Tgt Ion: 83 Resp: 172640
Ion Ratio Lower Upper
83 100
85 65.0 0.0 130.6





#39

Methacrylonitrile

Concen: 0.253 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.112 min

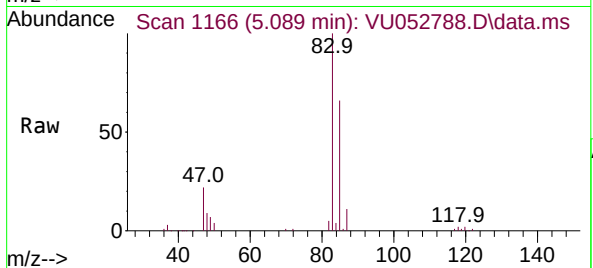
Lab File: VU052788.D

Acq: 24 Jan 2023 13:47

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 41 Resp: 621

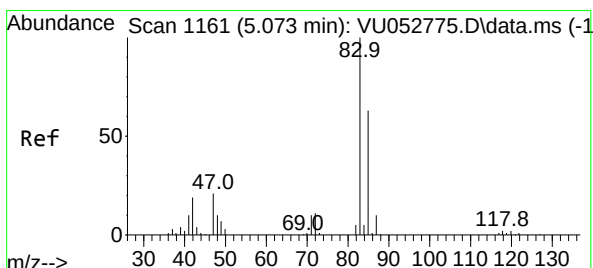
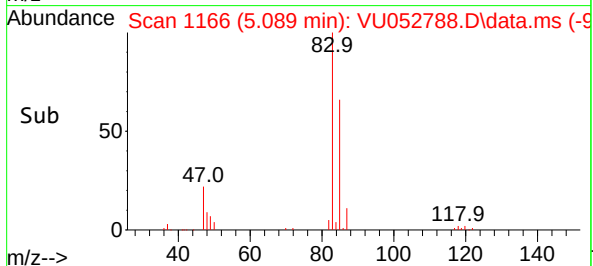
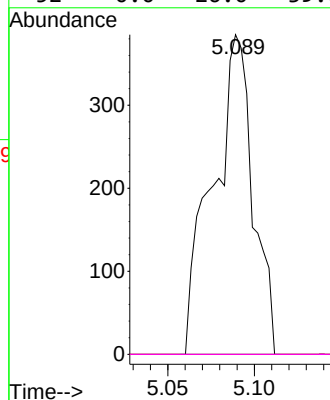
Ion Ratio Lower Upper

41 100

67 0.0 64.9 97.3#

39 0.0 41.7 62.5#

52 0.0 26.0 39.0#



#41

Tetrahydrofuran

Concen: 0.370 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. 0.010 min

Lab File: VU052788.D

Acq: 24 Jan 2023 13:47

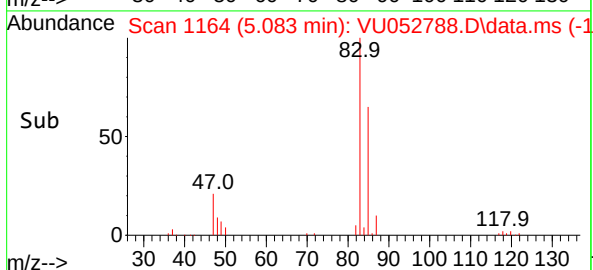
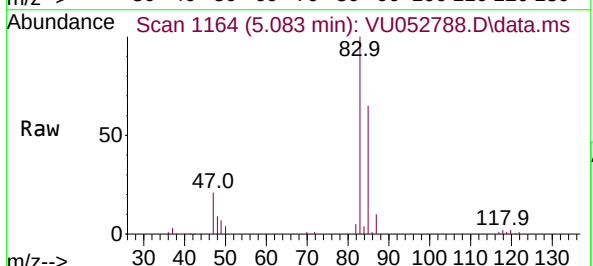
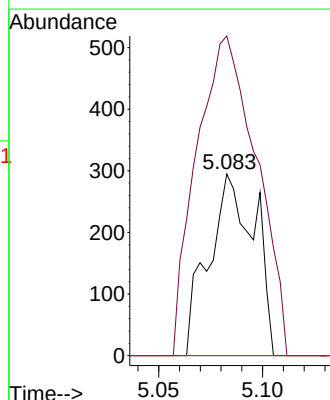
Tgt Ion: 42 Resp: 453

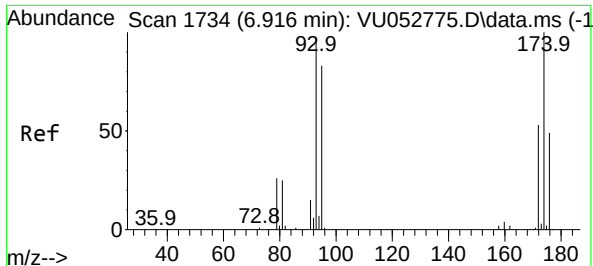
Ion Ratio Lower Upper

42 100

72 229.6 49.1 73.7#

71 0.0 43.8 65.6#

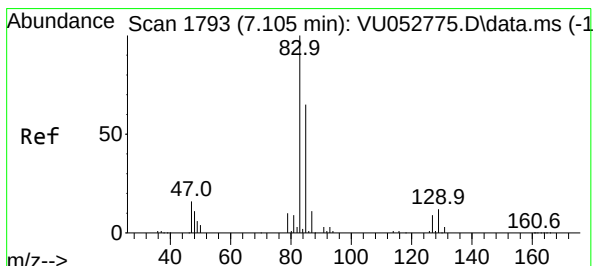
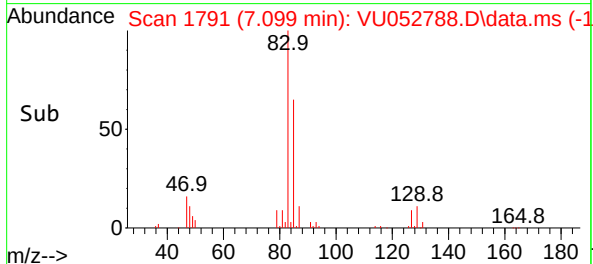
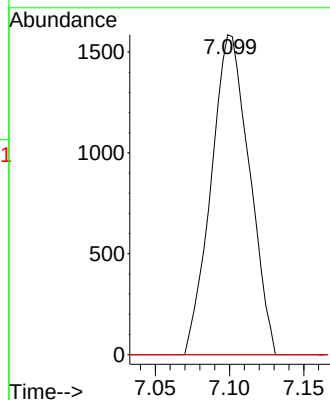
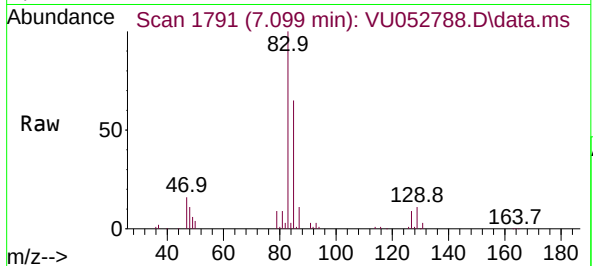




#43
Dibromomethane
Concen: 0.632 ug/l
RT: 7.099 min Scan# 1791
Delta R.T. 0.183 min
Lab File: VU052788.D
Acq: 24 Jan 2023 13:47

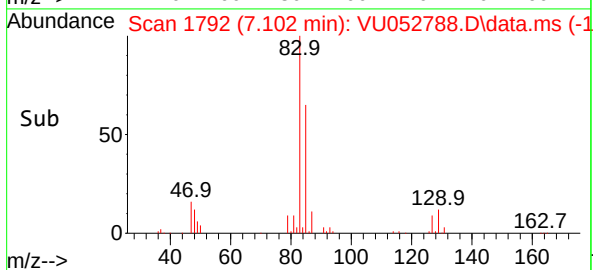
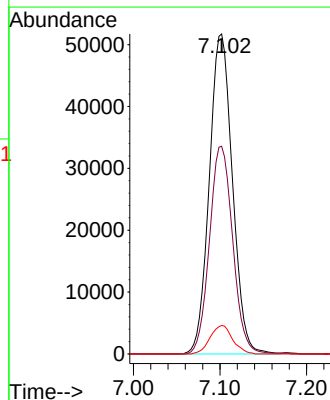
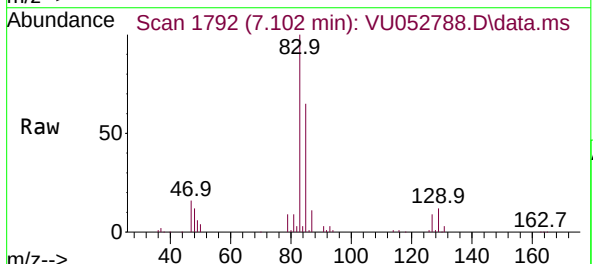
Instrument :
MSVOA_U
ClientSampleId :

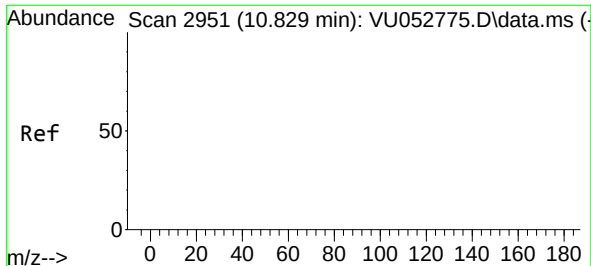
Tgt Ion: 93 Resp: 2841
Ion Ratio Lower Upper
93 100
95 0.0 67.0 100.6#
174 0.0 82.2 123.4#



#44
Bromodichloromethane
Concen: 7.878 ug/l
RT: 7.102 min Scan# 1792
Delta R.T. -0.003 min
Lab File: VU052788.D
Acq: 24 Jan 2023 13:47

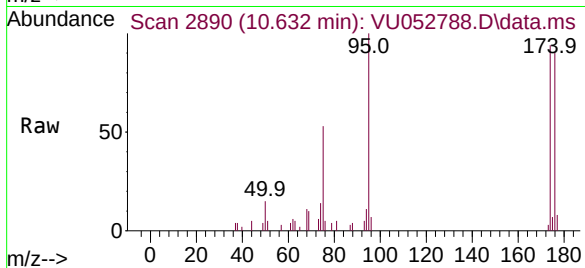
Tgt Ion: 83 Resp: 96079
Ion Ratio Lower Upper
83 100
85 64.9 52.1 78.1
127 8.9 7.2 10.8



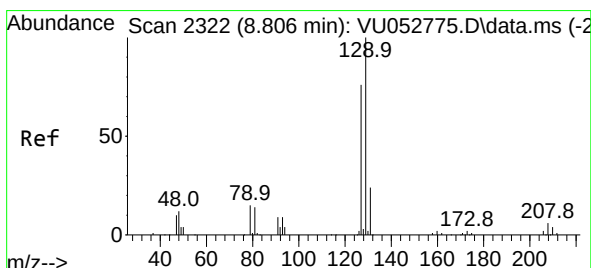
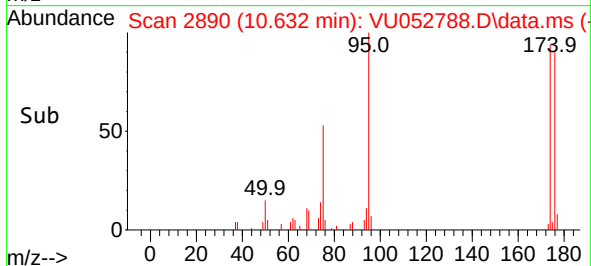
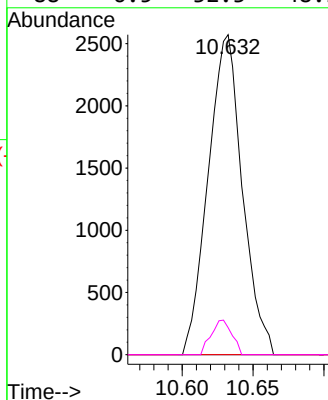


#46
t-1,4-Dichloro-2-butene
Concen: 1.744 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU052788.D
Acq: 24 Jan 2023 13:47

Instrument : MSVOA_U
ClientSampleId :

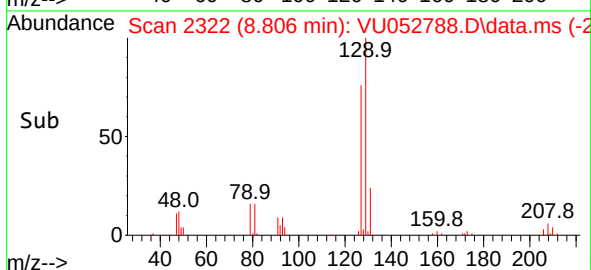
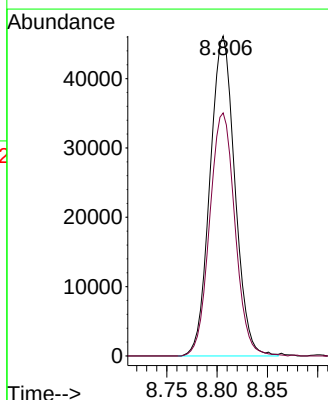
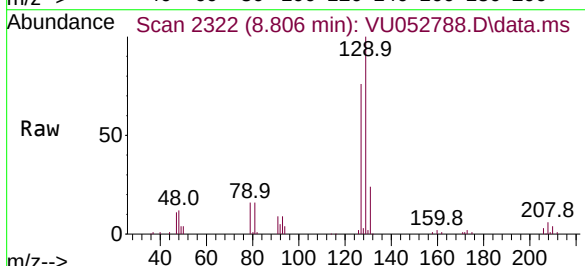


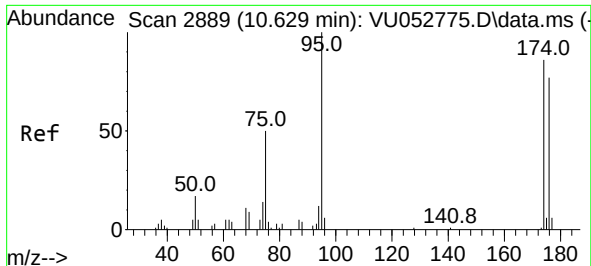
Tgt Ion: 75 Resp: 4319
Ion Ratio Lower Upper
75 100
53 0.0 57.0 85.4#
89 0.0 41.1 61.7#
88 6.5 32.3 48.5#



#55
Dibromochloromethane
Concen: 9.502 ug/l
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052788.D
Acq: 24 Jan 2023 13:47

Tgt Ion: 129 Resp: 79456
Ion Ratio Lower Upper
129 100
127 77.2 61.5 92.3

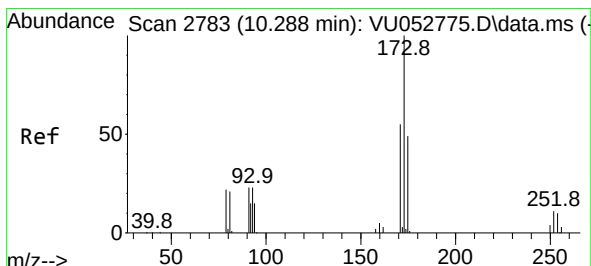
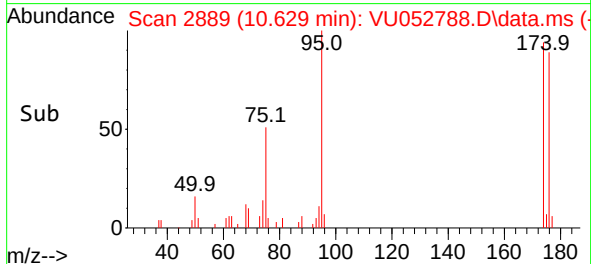
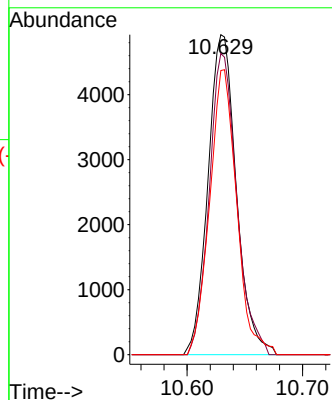
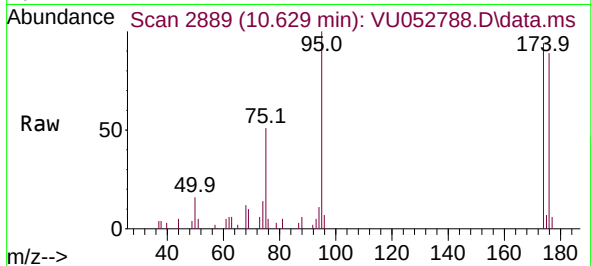




#57
4-Bromofluorobenzene
Concen: 0.765 ug/l
RT: 10.629 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052788.D
Acq: 24 Jan 2023 13:47

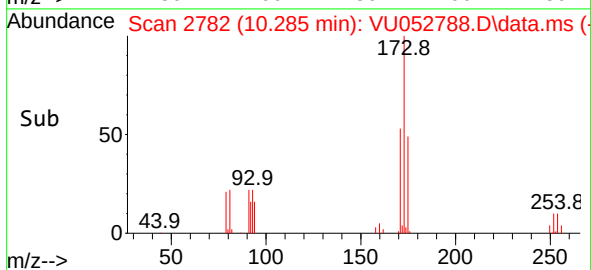
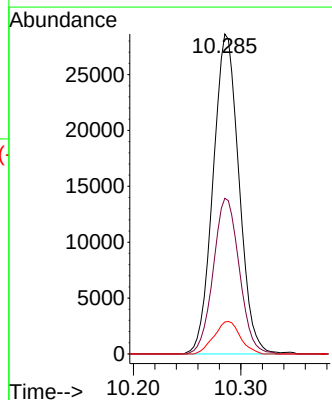
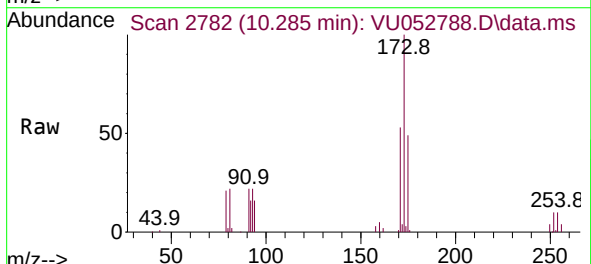
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MSVOA_U
ClientSampleId :

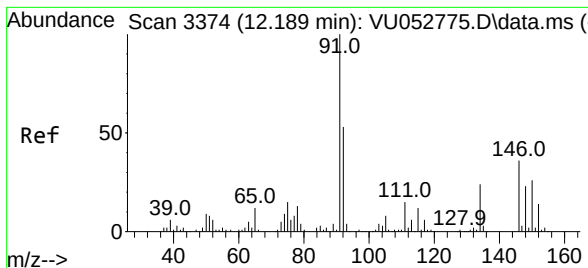
Tgt Ion: 95 Resp: 8391
Ion Ratio Lower Upper
95 100
174 91.4 66.9 100.3
176 84.9 61.9 92.9



#67
Bromoform
Concen: 9.703 ug/l
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU052788.D
Acq: 24 Jan 2023 13:47

Tgt Ion:173 Resp: 47881
Ion Ratio Lower Upper
173 100
175 48.9 39.5 59.3
254 10.3 8.0 12.0





#68

1,2-Dichlorobenzene-d4

Concen: 0.815 ug/l

RT: 12.192 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU052788.D

Acq: 24 Jan 2023 13:47

Instrument :

MSVOA_U

ClientSampleId :

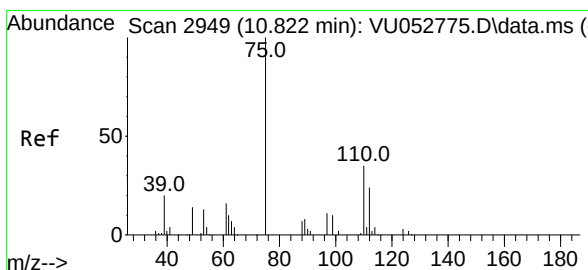
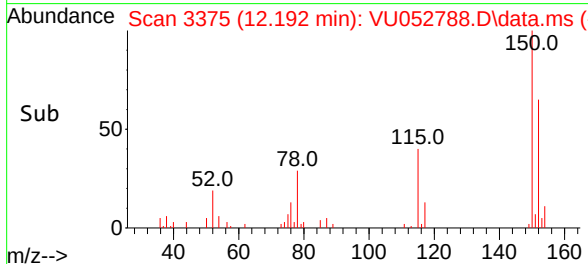
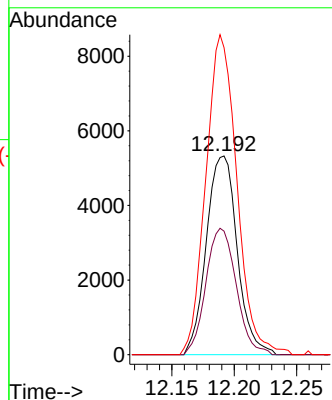
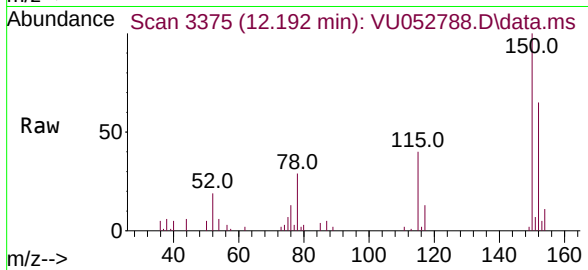
Tgt Ion:152 Resp: 9194

Ion Ratio Lower Upper

152 100

115 62.4 0.0 262.6

150 161.6 0.0 638.0



#71

1,2,3-Trichloropropane

Concen: 0.626 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.190 min

Lab File: VU052788.D

Acq: 24 Jan 2023 13:47

Tgt Ion: 75 Resp: 4319

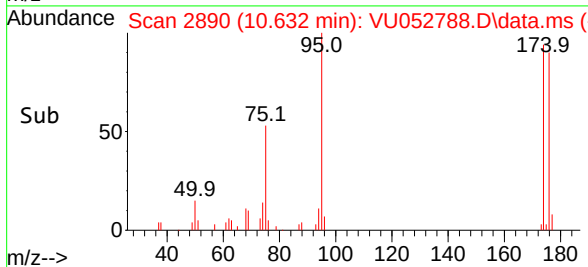
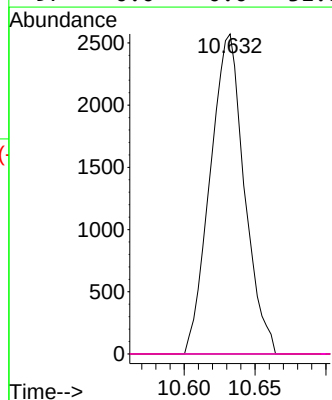
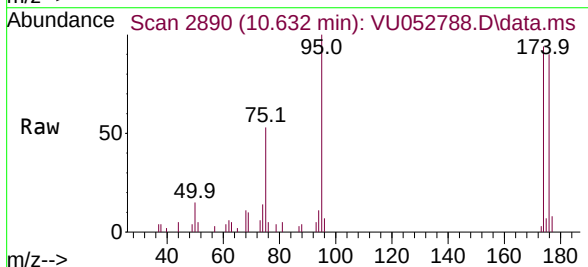
Ion Ratio Lower Upper

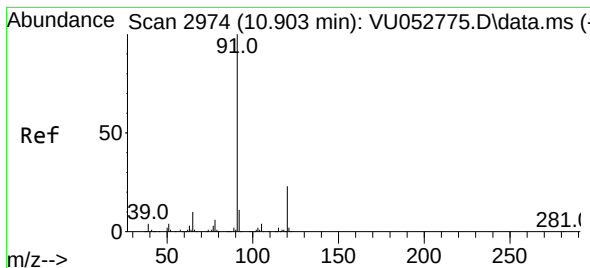
75 100

77 0.0 0.0 86.0

110 0.0 0.0 63.8

97 0.0 0.0 31.8





#73

n-propylbenzene

Concen: 0.457 ug/l

RT: 10.906 min Scan# 2975

Delta R.T. 0.003 min

Lab File: VU052788.D

Acq: 24 Jan 2023 13:47

Instrument :

MSVOA_U

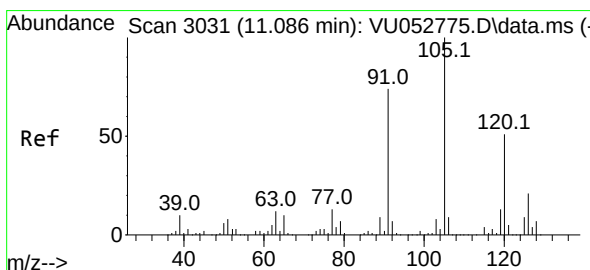
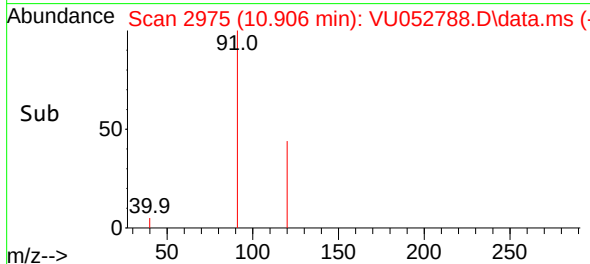
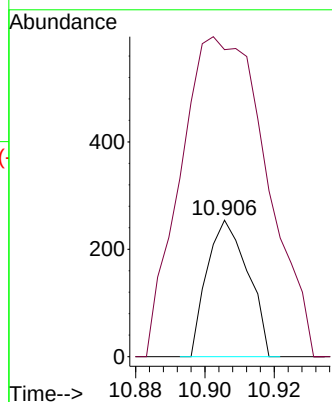
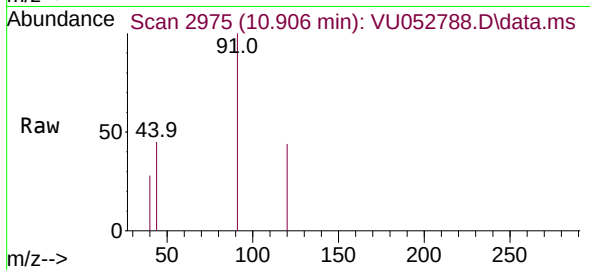
ClientSampleId :

Tgt Ion:120 Resp: 209

Ion Ratio Lower Upper

120 100

91 491.9 348.0 522.0



#75

1,3,5-Trimethylbenzene

Concen: 0.421 ug/l

RT: 11.079 min Scan# 3029

Delta R.T. -0.007 min

Lab File: VU052788.D

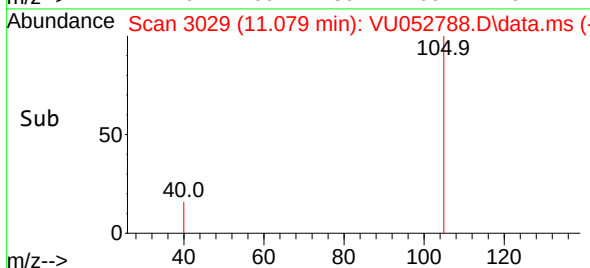
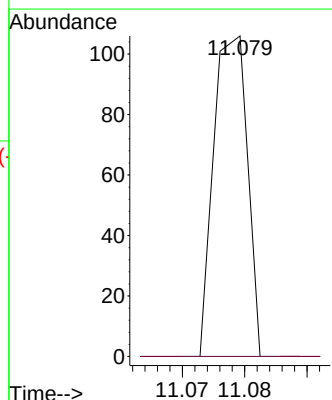
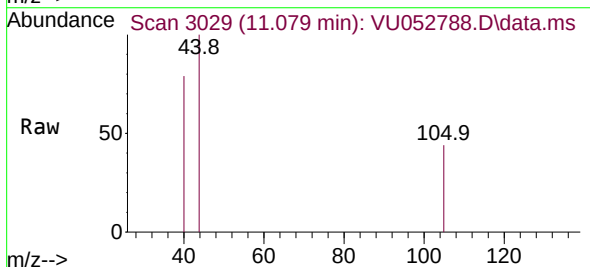
Acq: 24 Jan 2023 13:47

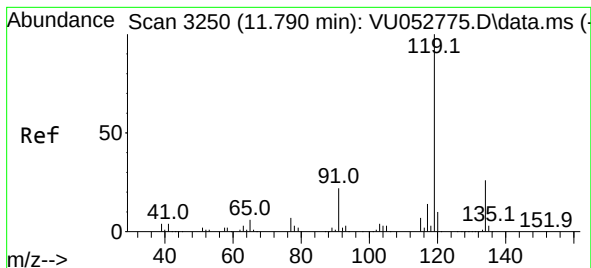
Tgt Ion:105 Resp: 40

Ion Ratio Lower Upper

105 100

120 522.5 39.9 59.9#





#81

p-Isopropyltoluene

Concen: 0.485 ug/l

RT: 11.790 min Scan# 331

Delta R.T. -0.000 min

Lab File: VU052788.D

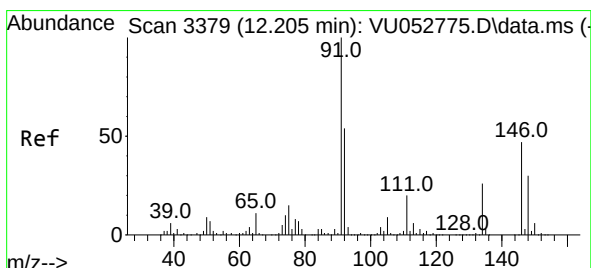
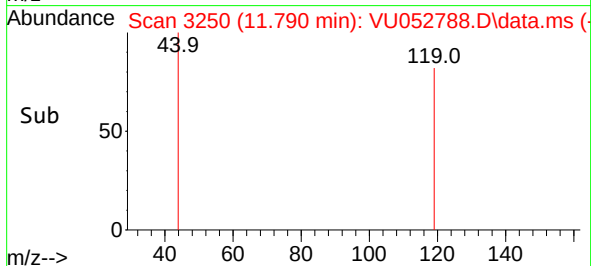
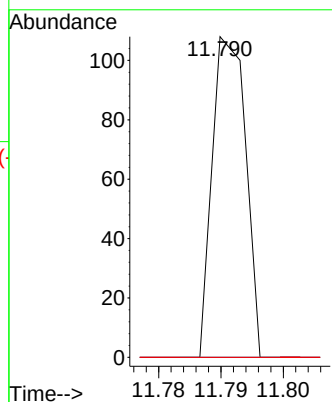
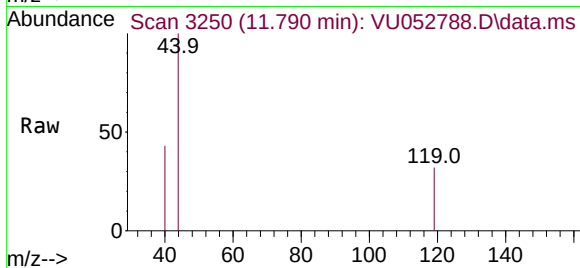
Acq: 24 Jan 2023 13:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	119	Resp:	40
Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.7	31.1#
91	0.0	17.6	26.4#



#84

n-Butylbenzene

Concen: 0.559 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.006 min

Lab File: VU052788.D

Acq: 24 Jan 2023 13:47

Tgt Ion:	91	Resp:	184
Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.4	65.0#
134	0.0	21.2	31.8#

