

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
 Data File : VU052786.D
 Acq On : 24 Jan 2023 12:49
 Operator : JC/MD
 Sample : 01245-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 25 01:36:17 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)

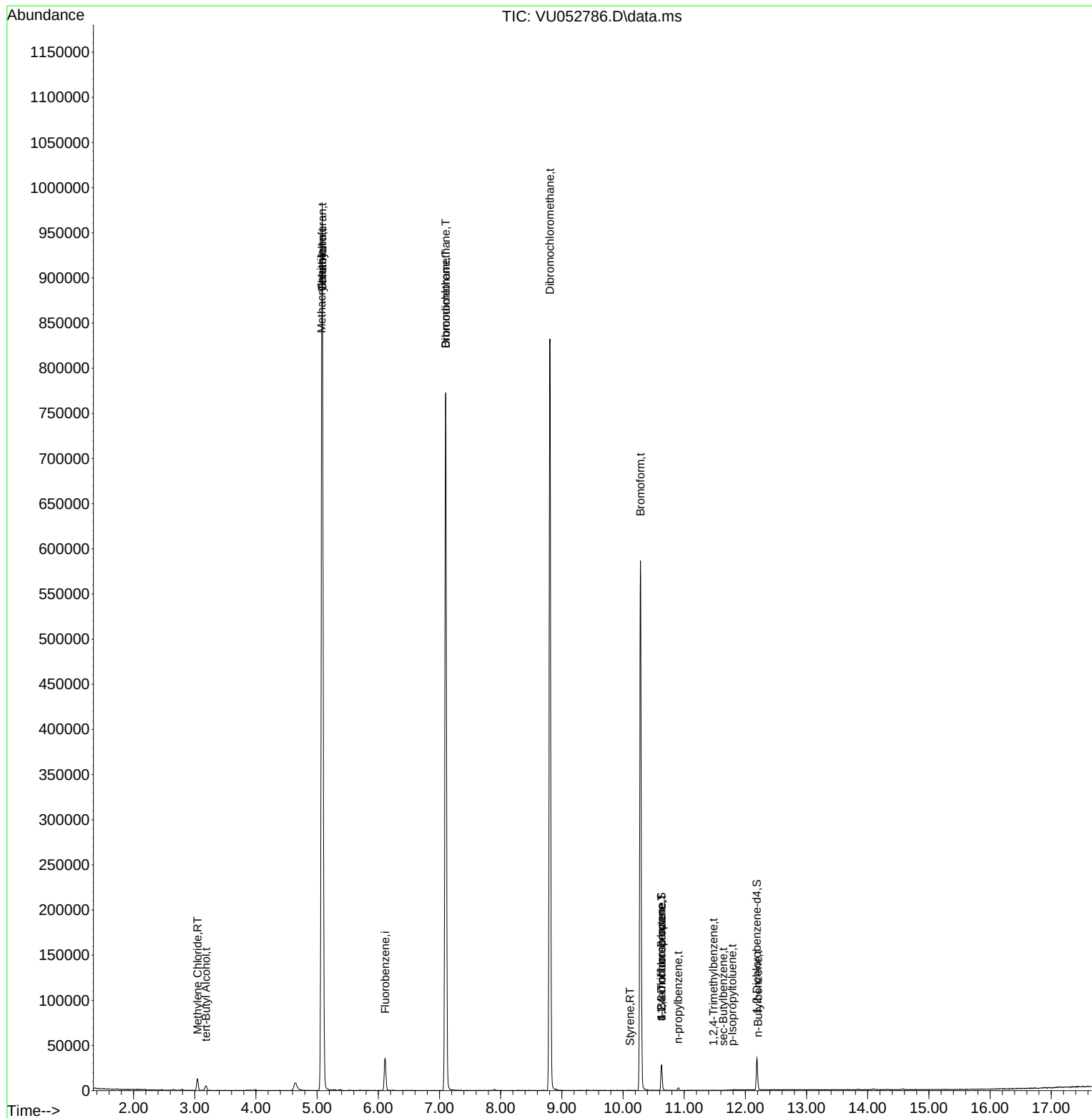
Internal Standards						
1) Fluorobenzene	6.111	96	34428	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	9317	0.814	ug/l	0.00
Spiked Amount 1.000			Recovery	=	81.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	10085	0.856	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
Target Compounds						
					Qvalue	
15) Methylene Chloride	3.044	84	6718	0.692	ug/l	95
24) tert-Butyl Alcohol	3.182	59	3364	4.919	ug/l #	22
27) Chloroform	5.083	83	888733	54.933	ug/l	99
39) Methacrylonitrile	5.073	41	1331	0.519	ug/l #	21
41) Tetrahydrofuran	5.083	42	1349	1.057	ug/l #	1
43) Dibromomethane	7.102	93	15930	3.394	ug/l #	3
44) Bromodichloromethane	7.102	83	508619	39.947	ug/l	100
46) t-1,4-Dichloro-2-butene	10.629	75	4999	1.933	ug/l #	26
55) Dibromochloromethane	8.806	129	437309	50.096	ug/l	100
66) Styrene	10.115	104	21	0.421	ug/l #	1
67) Bromoform	10.285	173	265505	51.541	ug/l	99
71) 1,2,3-Trichloropropane	10.629	75	4999	0.694	ug/l #	43
73) n-propylbenzene	10.899	120	584	0.484	ug/l	71
78) 1,2,4-Trimethylbenzene	11.478	105	41	0.456	ug/l #	30
79) sec-Butylbenzene	11.639	105	78	0.430	ug/l #	56
81) p-Isopropyltoluene	11.786	119	118	0.487	ug/l #	51
84) n-Butylbenzene	12.208	91	303	0.561	ug/l #	47

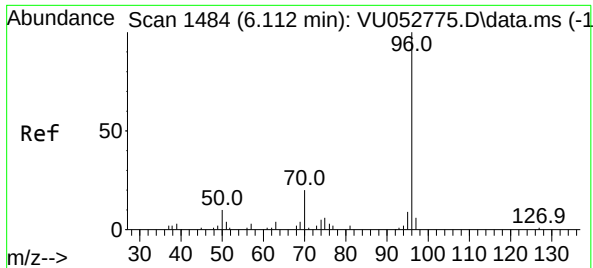
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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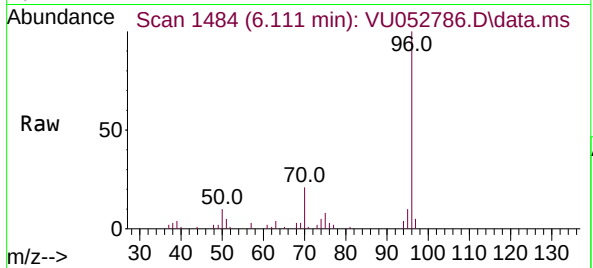
Quant Time: Jan 25 01:36:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jan 24 05:16:59 2023
Response via : Initial Calibration



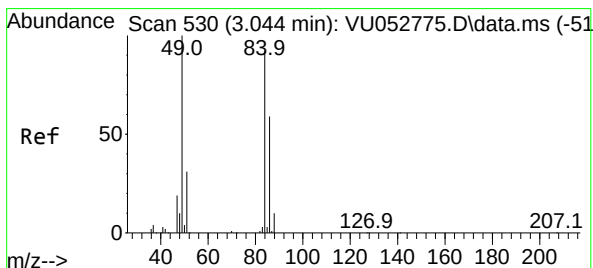
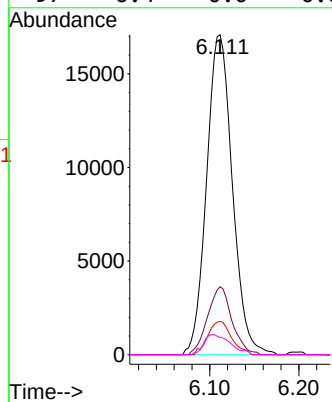
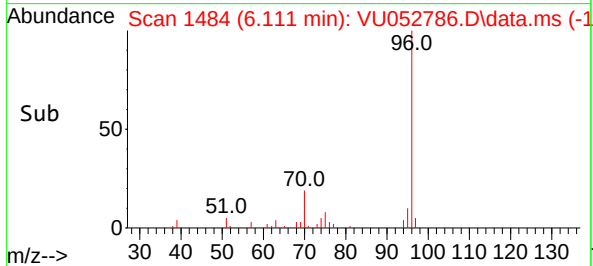


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.111 min Scan# 1484
Delta R.T. -0.001 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

Instrument :
MSVOA_U
ClientSampleId :

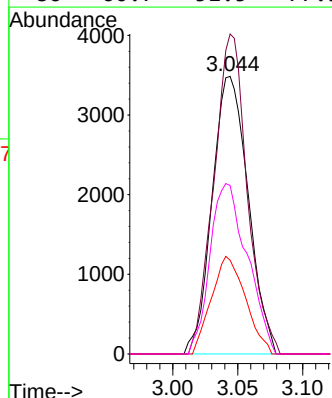
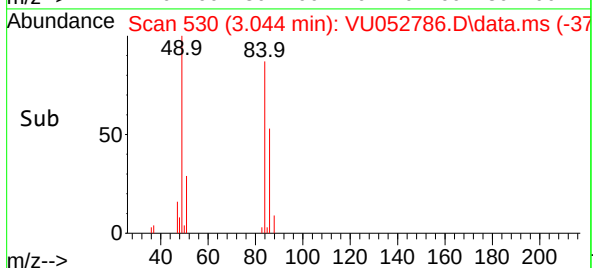
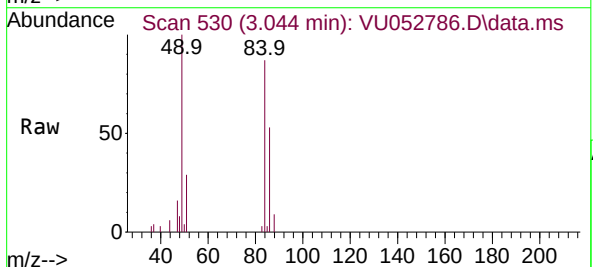


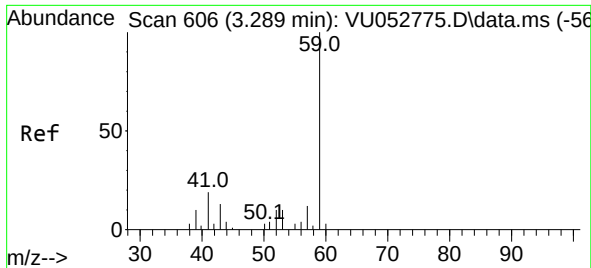
Tgt Ion: 96 Resp: 34428
Ion Ratio Lower Upper
96 100
70 20.0 16.2 24.4
95 9.5 7.4 11.0
97 6.4 0.0 0.0#



#15
Methylene Chloride
Concen: 0.692 ug/l
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

Tgt Ion: 84 Resp: 6718
Ion Ratio Lower Upper
84 100
49 115.3 86.7 130.1
51 33.8 0.0 66.8
86 60.7 51.5 77.3

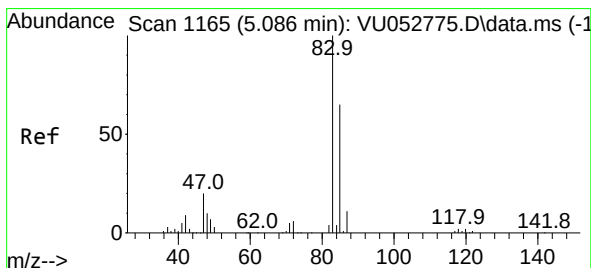
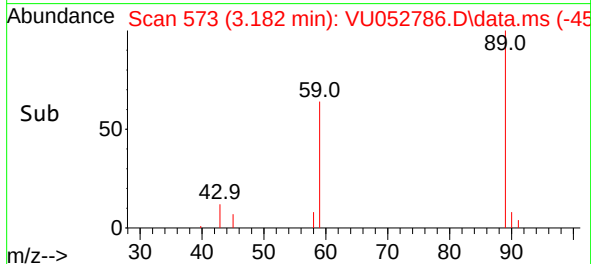
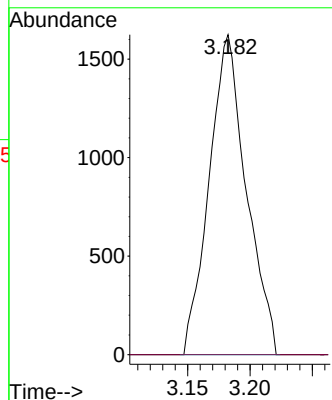
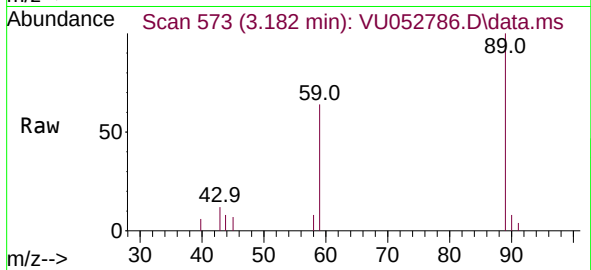




#24
tert-Butyl Alcohol
Concen: 4.919 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.106 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

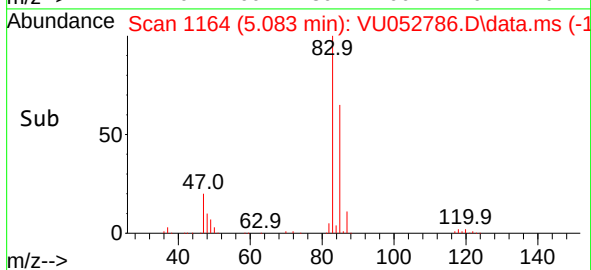
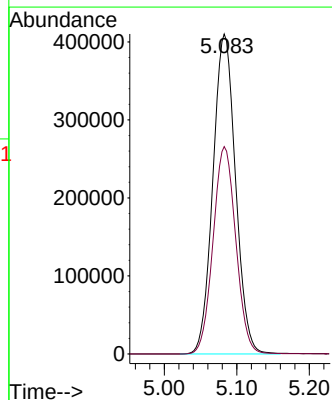
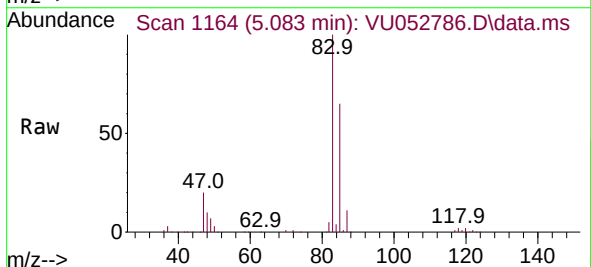
Instrument :
MSVOA_U
ClientSampleId :

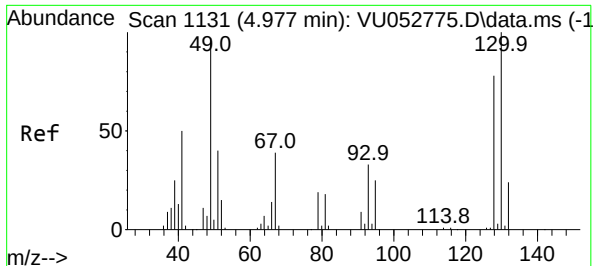
Tgt Ion: 59 Resp: 3364
Ion Ratio Lower Upper
59 100
57 0.0 45.8 68.8#



#27
Chloroform
Concen: 54.933 ug/l
RT: 5.083 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

Tgt Ion: 83 Resp: 888733
Ion Ratio Lower Upper
83 100
85 64.8 0.0 130.6





#39

Methacrylonitrile

Concen: 0.519 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. 0.096 min

Lab File: VU052786.D

Acq: 24 Jan 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 41 Resp: 1331

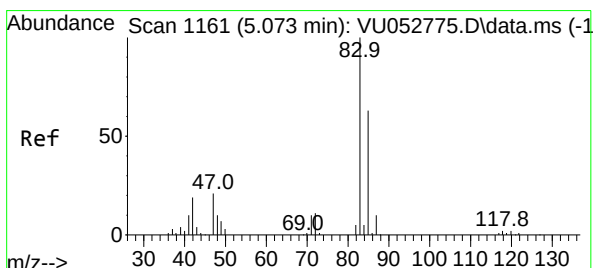
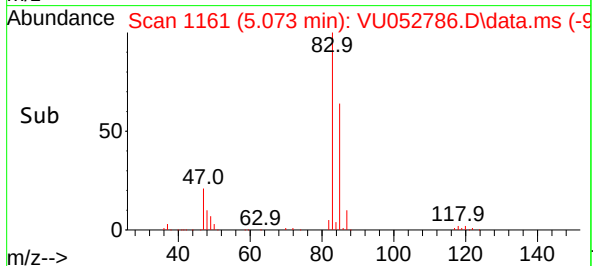
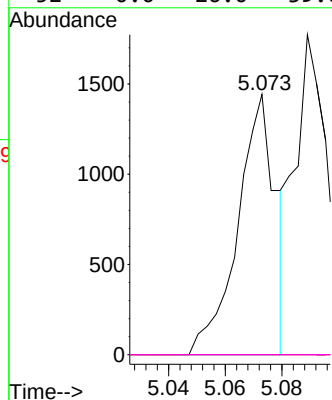
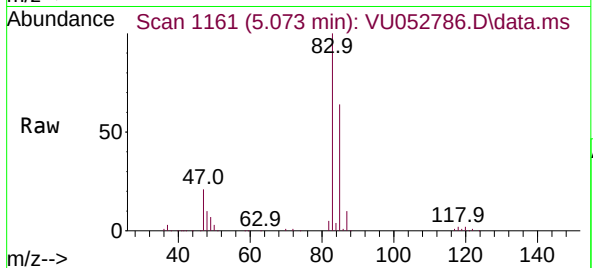
Ion Ratio Lower Upper

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: 1.057 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. 0.009 min

Lab File: VU052786.D

Acq: 24 Jan 2023 12:49

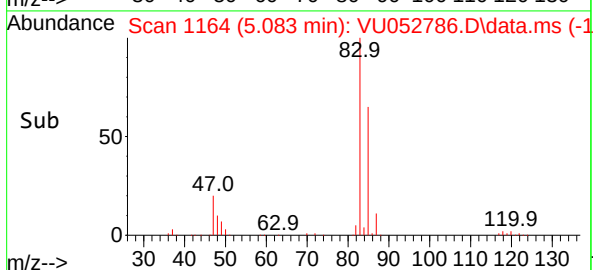
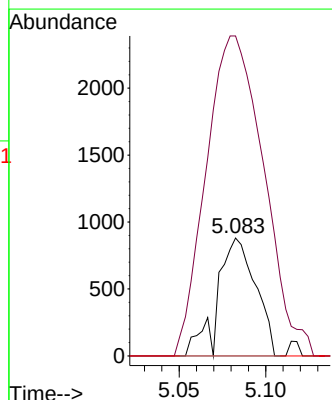
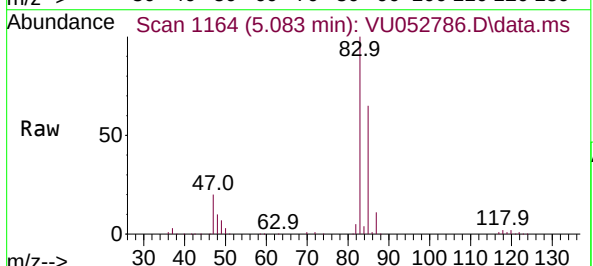
Tgt Ion: 42 Resp: 1349

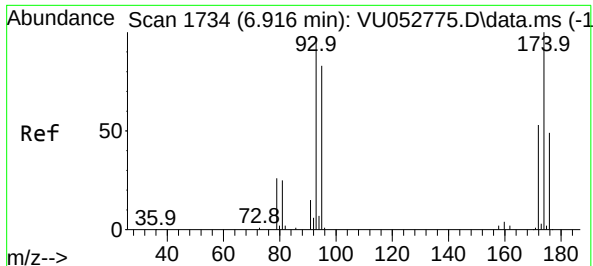
Ion Ratio Lower Upper

42 100

72 410.7 49.1 73.7#

71 0.0 43.8 65.6#





#43

Dibromomethane

Concen: 3.394 ug/l

RT: 7.102 min Scan# 1792

Delta R.T. 0.186 min

Lab File: VU052786.D

Acq: 24 Jan 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

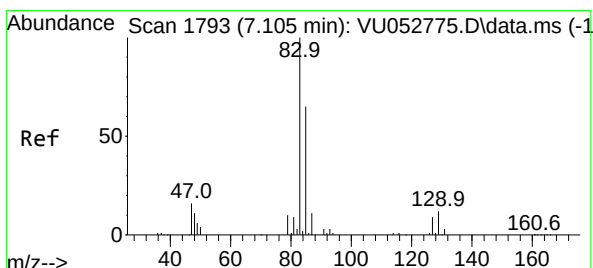
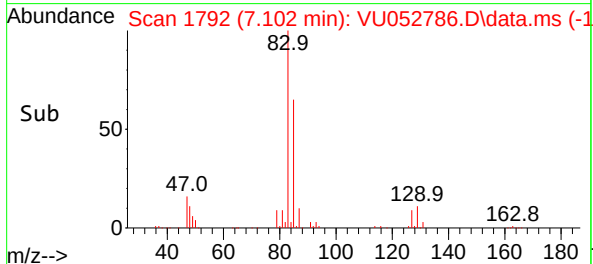
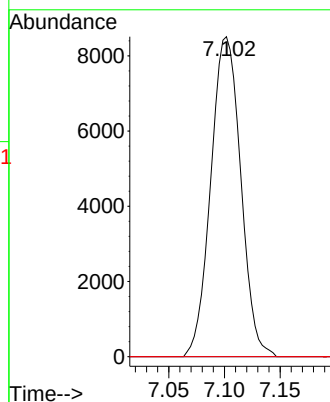
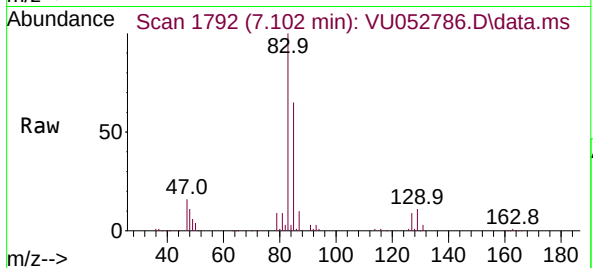
Tgt Ion: 93 Resp: 15930

Ion Ratio Lower Upper

93 100

95 0.0 67.0 100.6#

174 0.4 82.2 123.4#



#44

Bromodichloromethane

Concen: 39.947 ug/l

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU052786.D

Acq: 24 Jan 2023 12:49

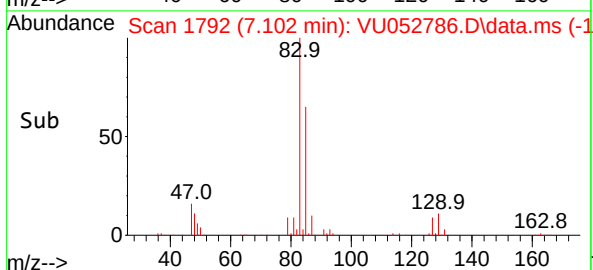
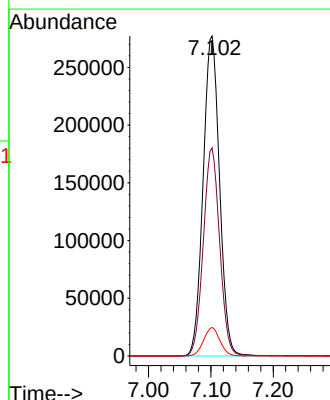
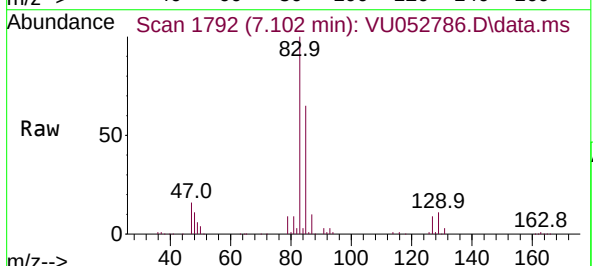
Tgt Ion: 83 Resp: 508619

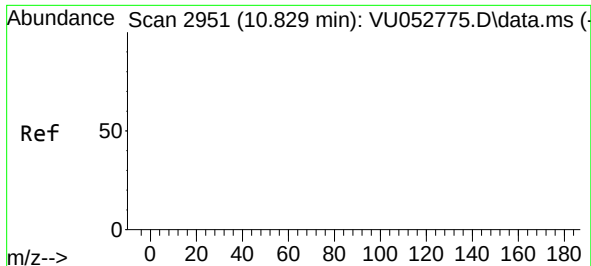
Ion Ratio Lower Upper

83 100

85 65.0 52.1 78.1

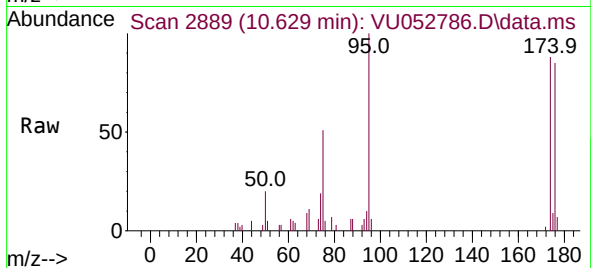
127 8.9 7.2 10.8



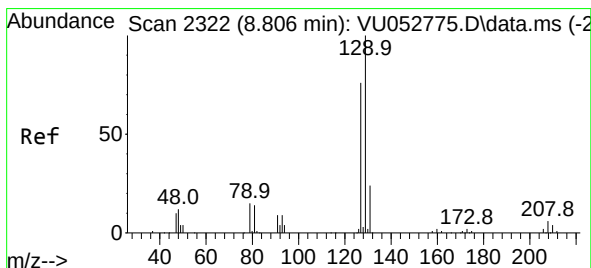
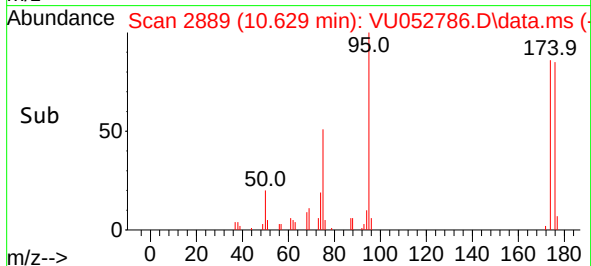
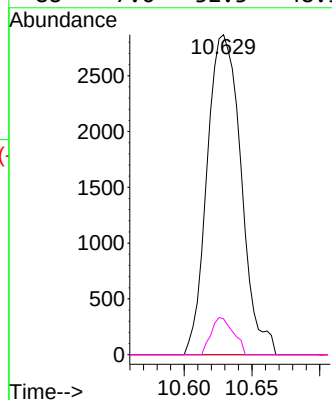


#46
t-1,4-Dichloro-2-butene
Concen: 1.933 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.200 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

Instrument : MSVOA_U
ClientSampleId :

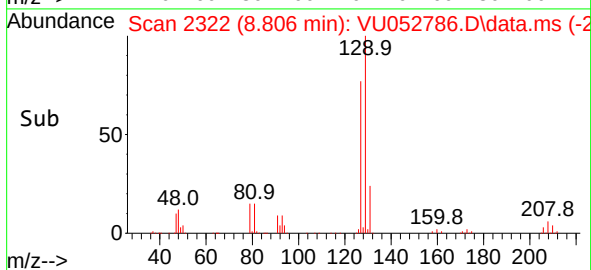
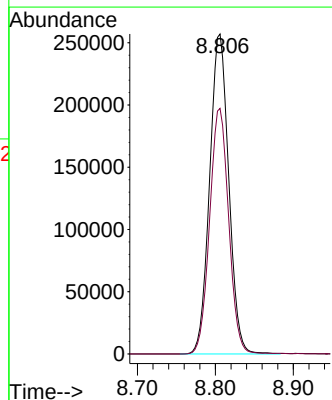
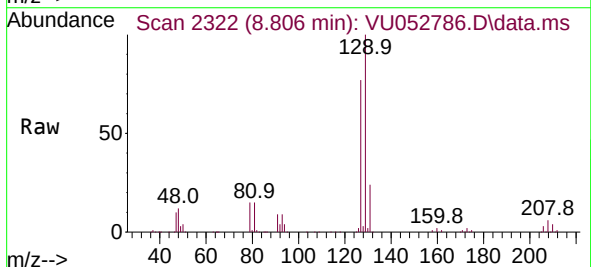


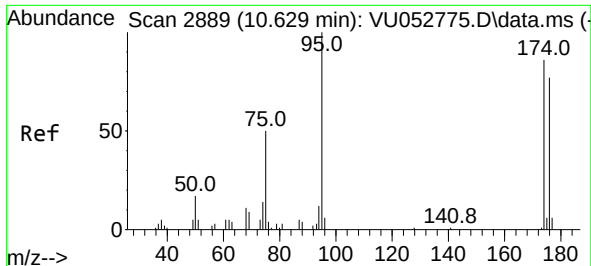
Tgt Ion:	75	Resp:	4999
Ion	Ratio	Lower	Upper
75	100		
53	0.0	57.0	85.4#
89	0.0	41.1	61.7#
88	7.6	32.3	48.5#



#55
Dibromochloromethane
Concen: 50.096 ug/l
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

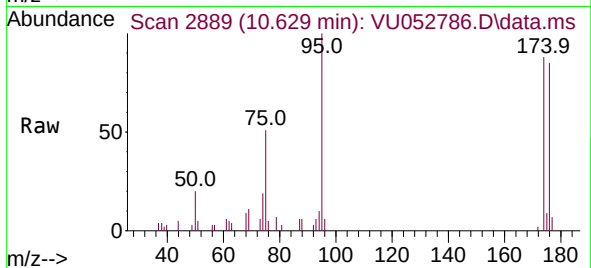
Tgt Ion:	129	Resp:	437309
Ion	Ratio	Lower	Upper
129	100		
127	76.5	61.5	92.3



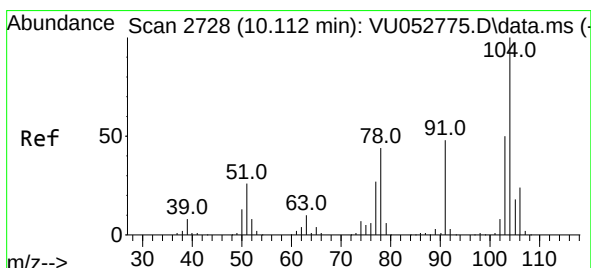
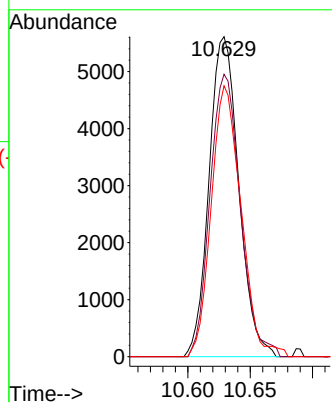
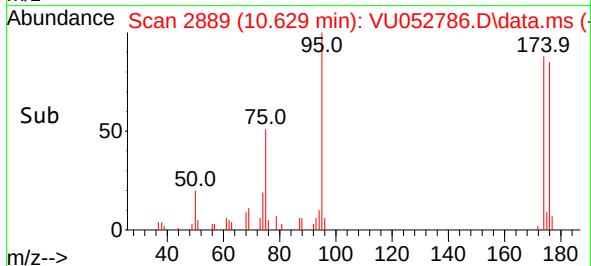


#57
4-Bromofluorobenzene
Concen: 0.814 ug/l
RT: 10.629 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

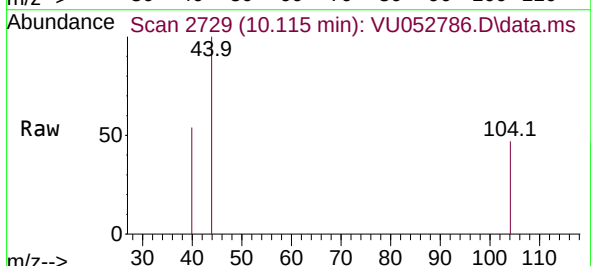
Instrument :
MSVOA_U
ClientSampleId :



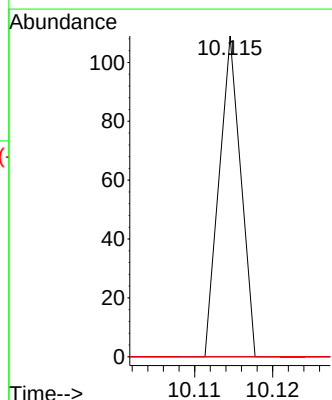
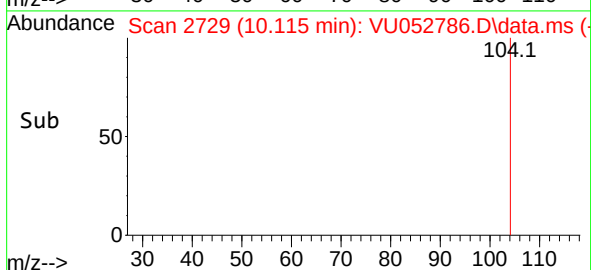
Tgt Ion: 95 Resp: 9317
Ion Ratio Lower Upper
95 100
174 89.8 66.9 100.3
176 84.9 61.9 92.9

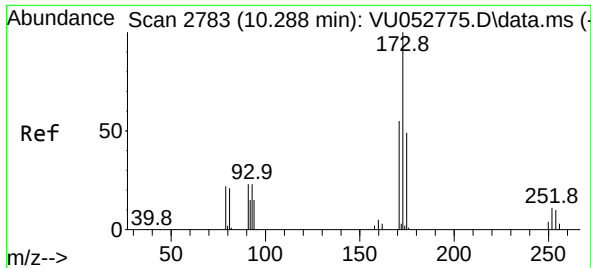


#66
Styrene
Concen: 0.421 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49



Tgt Ion: 104 Resp: 21
Ion Ratio Lower Upper
104 100
78 228.6 39.6 59.4#
103 0.0 42.9 64.3#

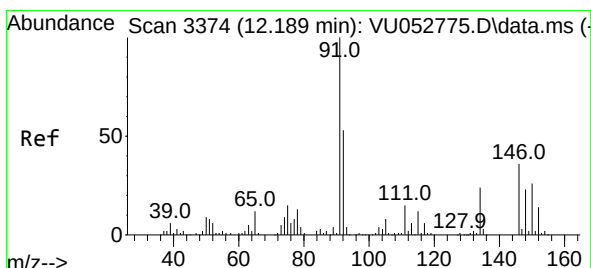
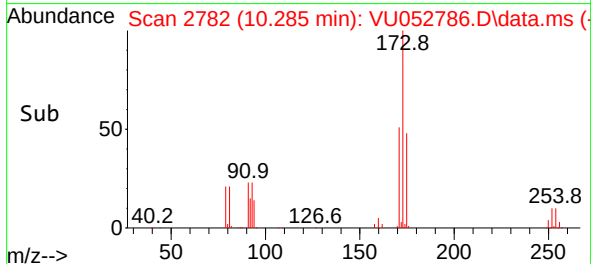
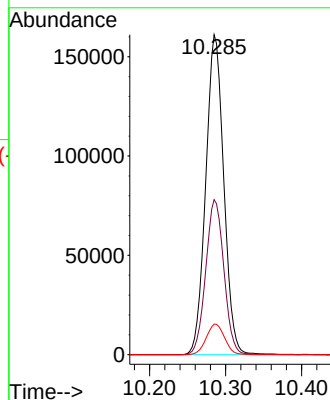
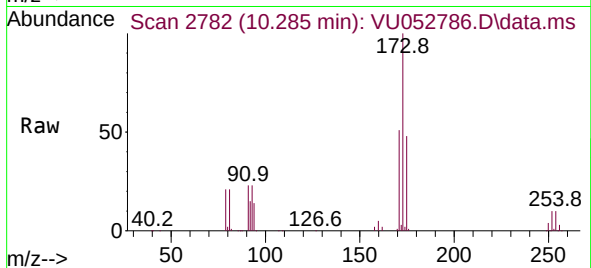




#67
Bromoform
Concen: 51.541 ug/l
RT: 10.285 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

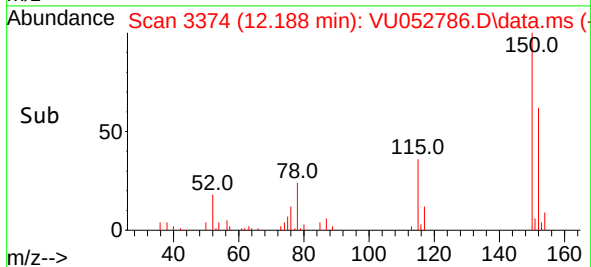
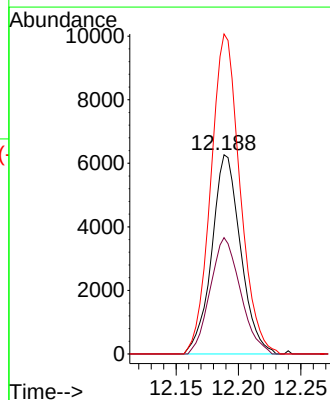
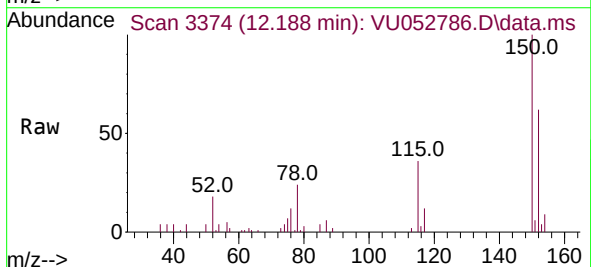
Instrument :
MSVOA_U
ClientSampleId :

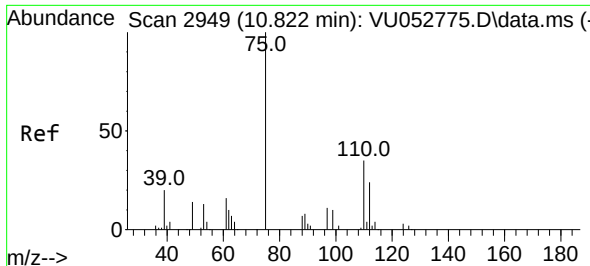
Tgt Ion:173 Resp: 265505
Ion Ratio Lower Upper
173 100
175 48.7 39.5 59.3
254 9.7 8.0 12.0



#68
1,2-Dichlorobenzene-d4
Concen: 0.856 ug/l
RT: 12.188 min Scan# 3374
Delta R.T. -0.000 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

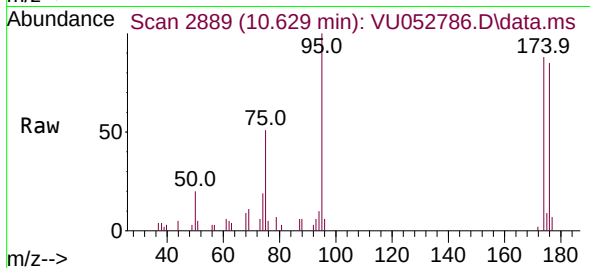
Tgt Ion:152 Resp: 10085
Ion Ratio Lower Upper
152 100
115 61.2 0.0 262.6
150 162.7 0.0 638.0



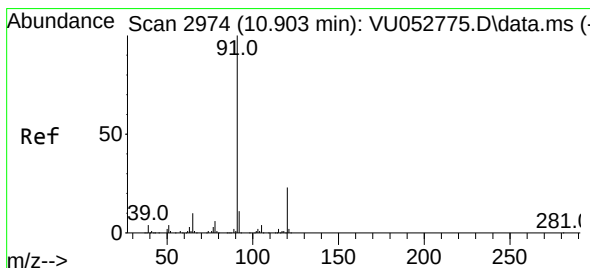
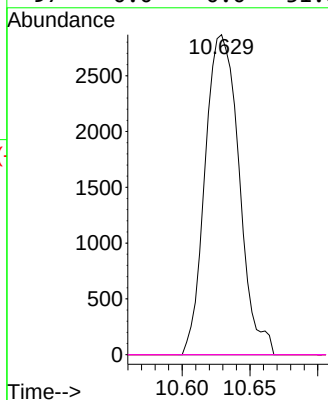
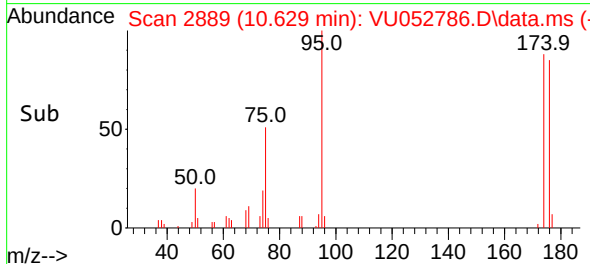


#71
1,2,3-Trichloropropane
Concen: 0.694 ug/l
RT: 10.629 min Scan# 21
Delta R.T. -0.193 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

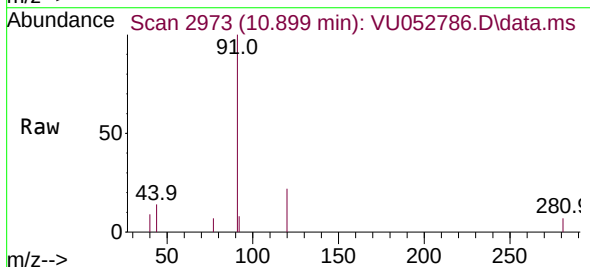
Instrument :
MSVOA_U
ClientSampleId :



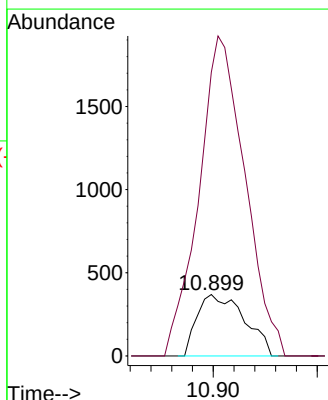
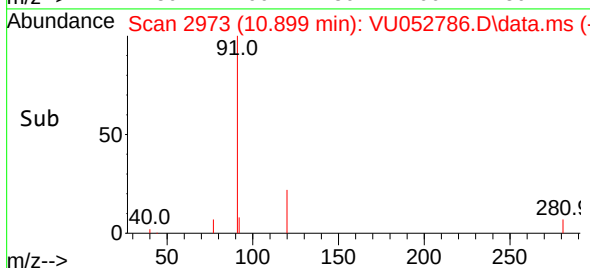
Tgt Ion: 75	Resp: 4999
Ion Ratio	Lower Upper
75 100	
77 1.5	0.0 86.0
110 0.0	0.0 63.8
97 0.0	0.0 31.8

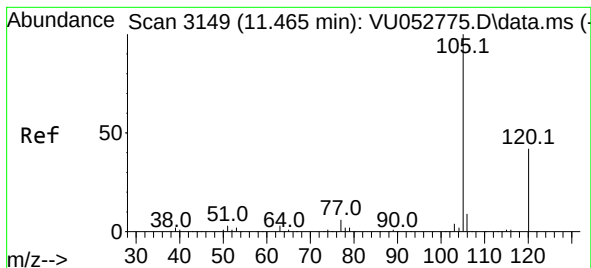


#73
n-propylbenzene
Concen: 0.484 ug/l
RT: 10.899 min Scan# 2973
Delta R.T. -0.004 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49



Tgt Ion: 120	Resp: 584
Ion Ratio	Lower Upper
120 100	
91 507.9	348.0 522.0





#78

1,2,4-Trimethylbenzene

Concen: 0.456 ug/l

RT: 11.478 min Scan# 3149

Delta R.T. 0.013 min

Lab File: VU052786.D

Acq: 24 Jan 2023 12:49

Instrument :

MSVOA_U

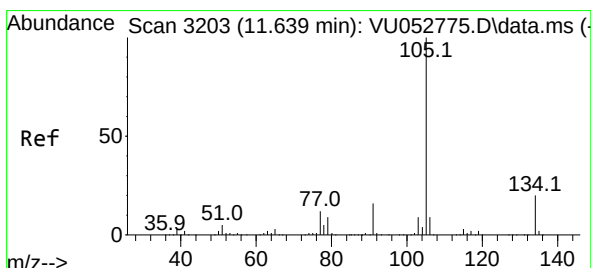
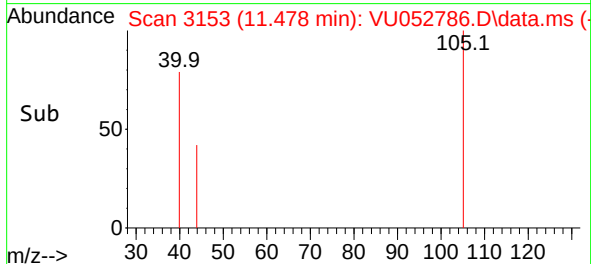
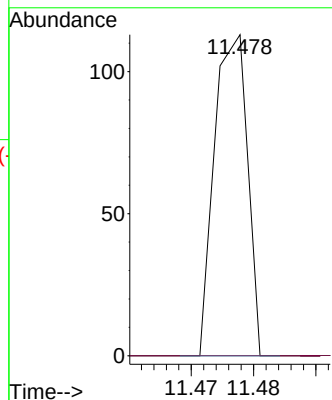
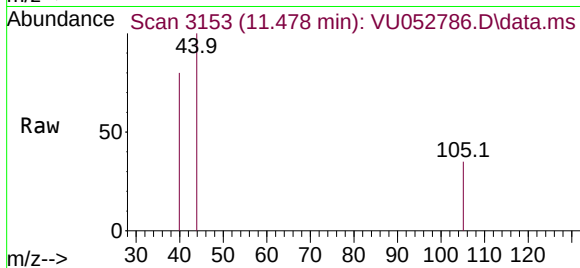
ClientSampleId :

Tgt Ion:105 Resp: 41

Ion Ratio Lower Upper

105 100

120 0.0 23.4 70.3#



#79

sec-Butylbenzene

Concen: 0.430 ug/l

RT: 11.639 min Scan# 3203

Delta R.T. -0.000 min

Lab File: VU052786.D

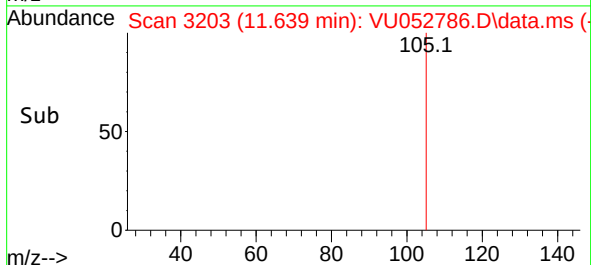
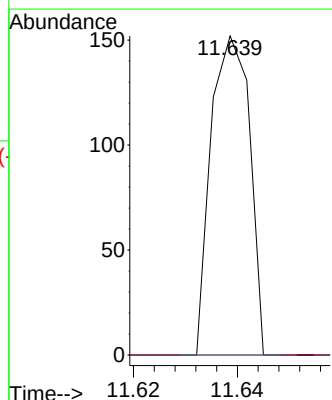
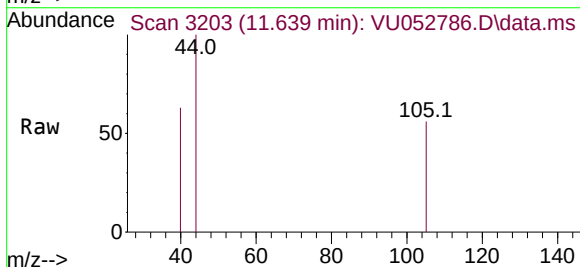
Acq: 24 Jan 2023 12:49

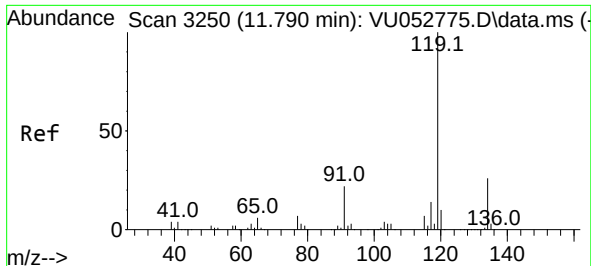
Tgt Ion:105 Resp: 78

Ion Ratio Lower Upper

105 100

134 0.0 16.5 24.7#

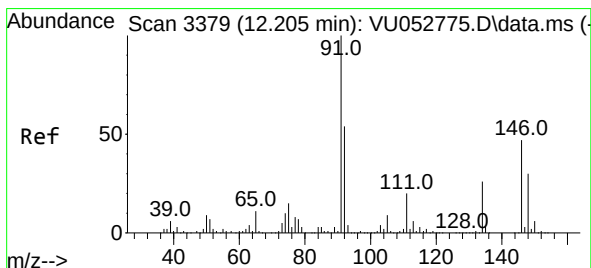
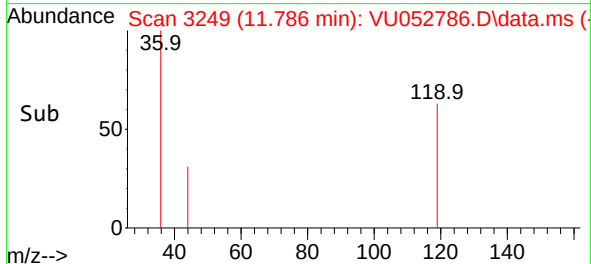
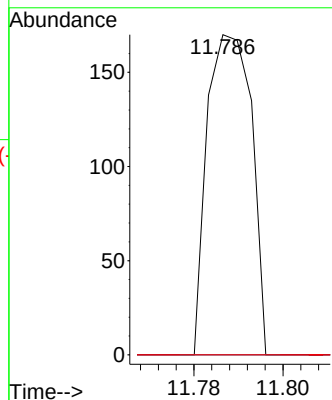
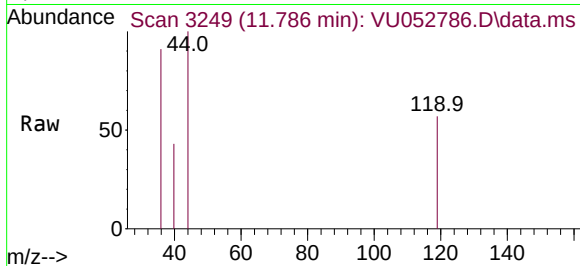




#81
p-Isopropyltoluene
Concen: 0.487 ug/l
RT: 11.786 min Scan# 311
Delta R.T. -0.004 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:119 Resp: 118
Ion Ratio Lower Upper
119 100
134 0.0 20.7 31.1#
91 0.0 17.6 26.4#



#84
n-Butylbenzene
Concen: 0.561 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. 0.003 min
Lab File: VU052786.D
Acq: 24 Jan 2023 12:49

Tgt Ion: 91 Resp: 303
Ion Ratio Lower Upper
91 100
92 15.5 43.4 65.0#
134 0.0 21.2 31.8#

