

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
 Data File : VU051112.D
 Acq On : 04 Oct 2022 19:01
 Operator : JC/MD
 Sample : N4816-01DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 05 09:27:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 02:45:21 2022
 Response via : Initial Calibration

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

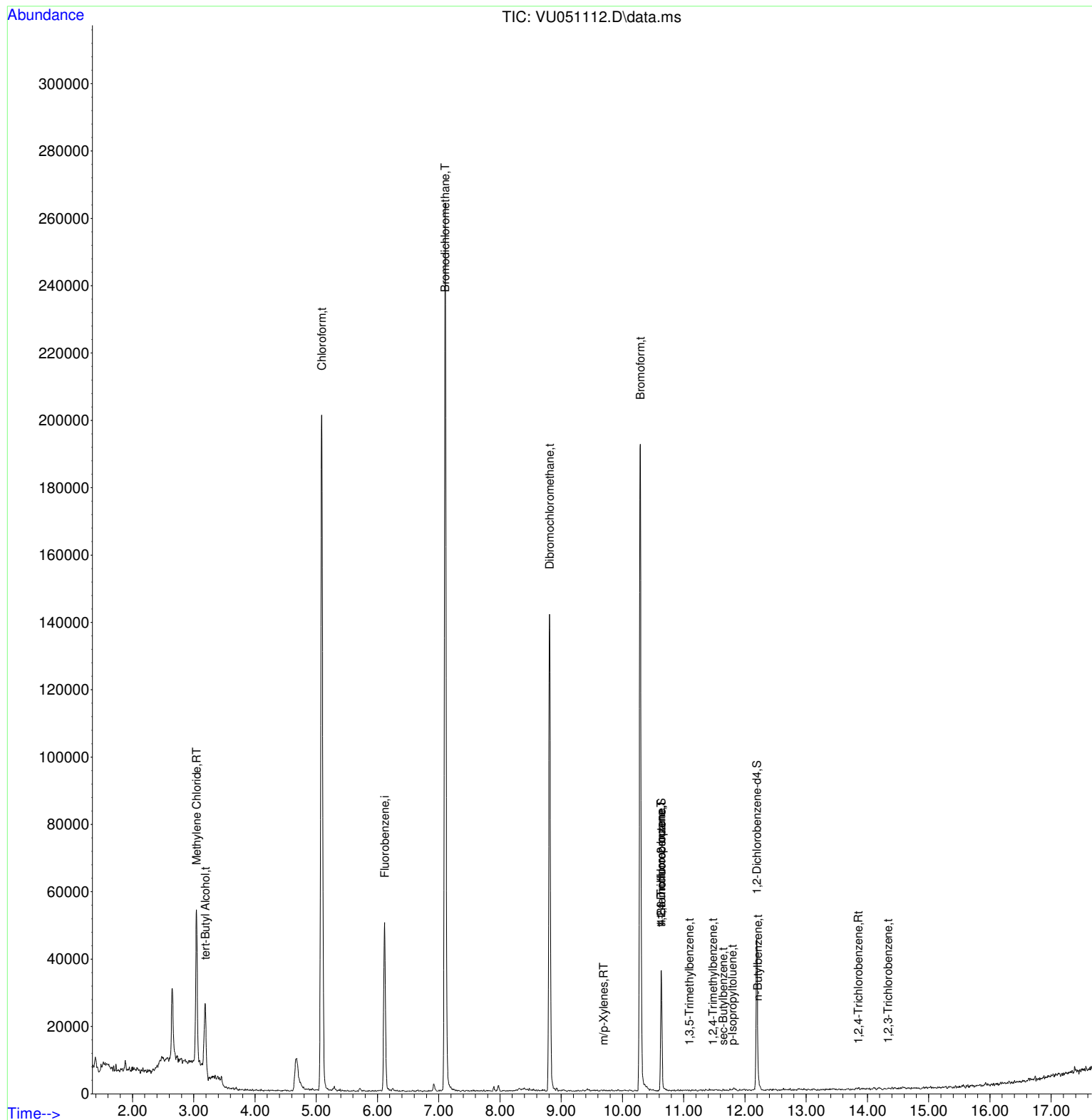
Internal Standards						
1) Fluorobenzene	6.115	96	47834	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	12017	0.76	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.00%	
68) 1,2-Dichlorobenzene-d4	12.195	152	13992	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
Target Compounds						
						Qvalue
13) Acetone	2.652	43	1364	Below Cal	#	88
15) Methylene Chloride	3.044	84	21032	0.44	ug/l	87
18) 2-Butanone	4.742	43	152	Below Cal		75
24) tert-Butyl Alcohol	3.189	59	10867	18.77	ug/l #	73
27) Chloroform	5.089	83	181953	6.60	ug/l	95
44) Bromodichloromethane	7.105	83	174514	8.82	ug/l	98
46) t-1,4-Dichloro-2-butene	10.632	75	5893	2.01	ug/l #	22
55) Dibromochloromethane	8.809	129	76425	5.70	ug/l	99
64) m/p-Xylenes	9.694	106	40	0.88	ug/l #	21
67) Bromoform	10.292	173	87478	11.31	ug/l	99
71) 1,2,3-Trichloropropane	10.632	75	5893	0.46	ug/l #	35
75) 1,3,5-Trimethylbenzene	11.092	105	146	0.48	ug/l #	30
78) 1,2,4-Trimethylbenzene	11.478	105	140	0.49	ug/l #	33
79) sec-Butylbenzene	11.645	105	205	0.44	ug/l #	58
81) p-Isopropyltoluene	11.793	119	144	0.55	ug/l #	50
84) n-Butylbenzene	12.211	91	174	0.58	ug/l #	33
87) 1,2,4-Trichlorobenzene	13.848	180	142	0.38	ug/l #	83
90) 1,2,3-Trichlorobenzene	14.336	180	66	0.34	ug/l #	62

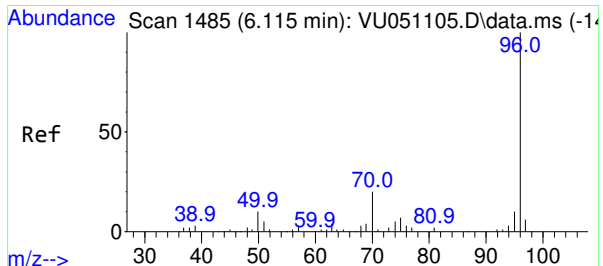
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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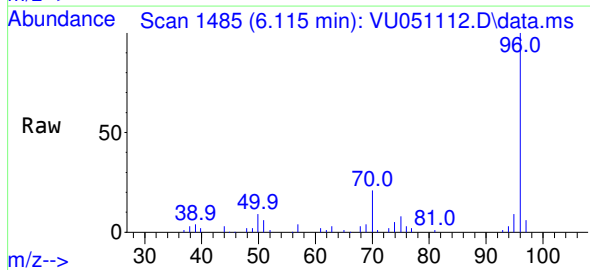
Quant Time: Oct 05 09:27:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Oct 05 02:45:21 2022
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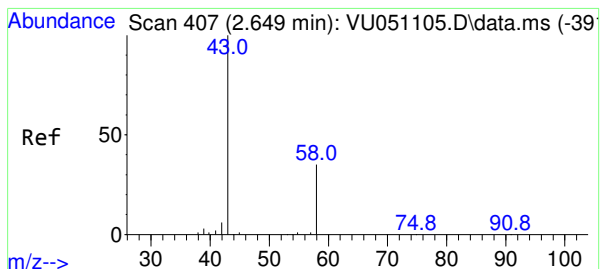
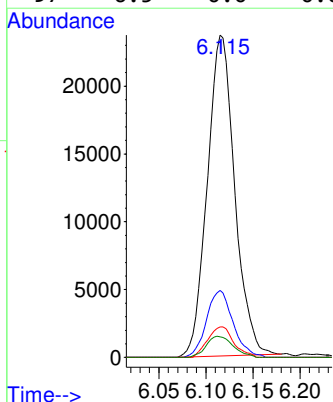
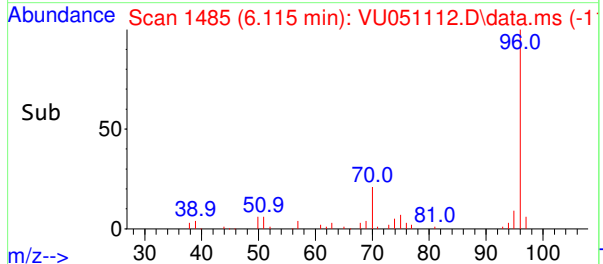


#1
Fluorobenzene
Concen: 1.00 ug/l
RT: 6.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

Instrument :
MSVOA_U
ClientSampleId :

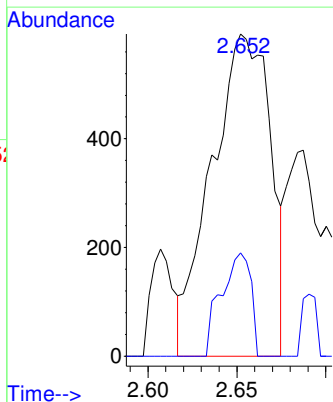
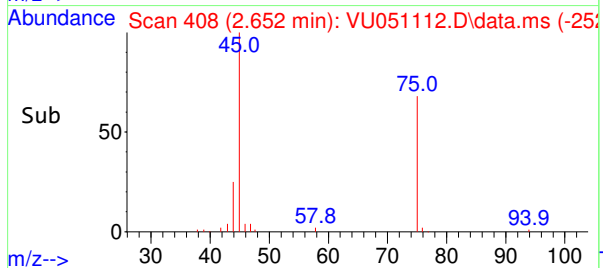
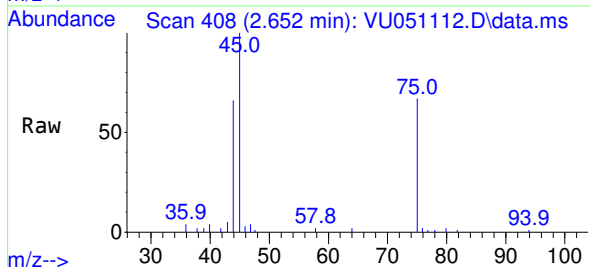


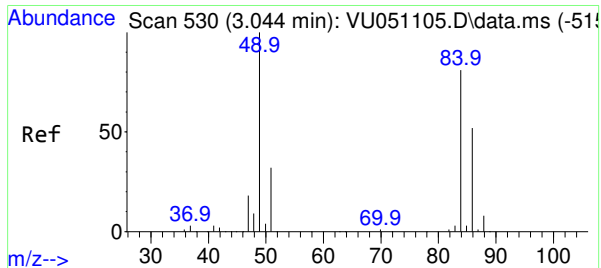
Tgt Ion: 96 Resp: 47834
Ion Ratio Lower Upper
96 100
70 20.3 16.7 25.1
95 9.0 7.4 11.0
97 6.5 0.0 0.0#



#13
Acetone
Concen: Below Cal
RT: 2.652 min Scan# 408
Delta R.T. 0.003 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

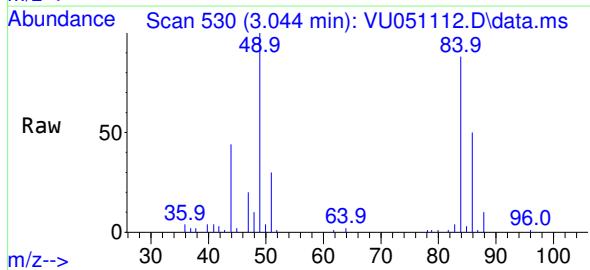
Tgt Ion: 43 Resp: 1364
Ion Ratio Lower Upper
43 100
58 39.4 26.2 39.2#





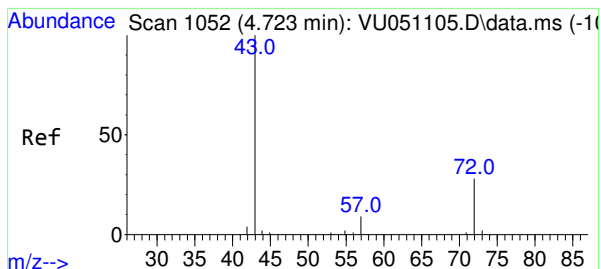
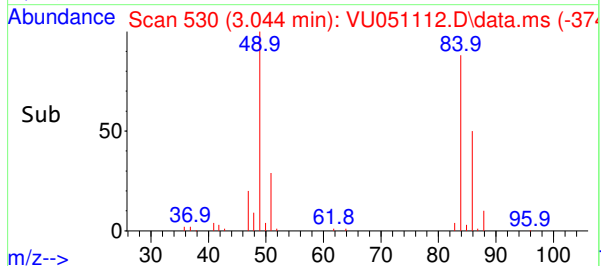
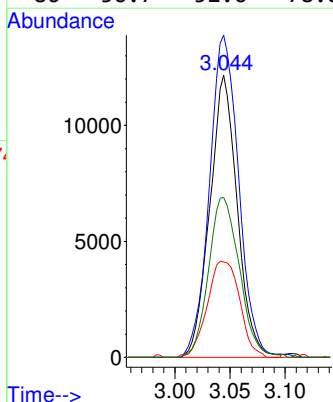
#15
Methylene Chloride
Concen: 0.44 ug/l
RT: 3.044 min Scan# 511
Delta R.T. 0.000 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 21032

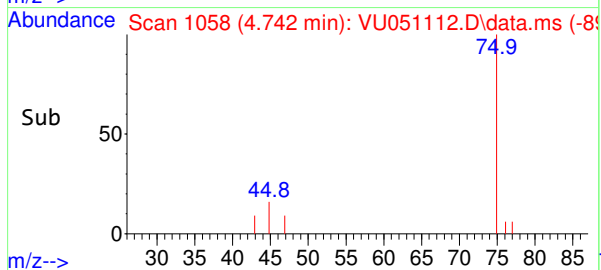
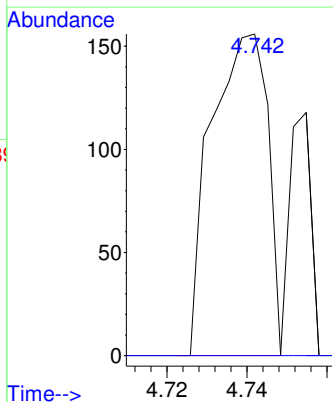
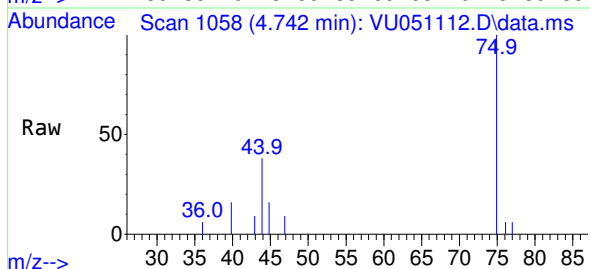
Ion	Ratio	Lower	Upper
84	100		
49	114.3	104.6	157.0
51	33.8	0.0	81.4
86	56.7	52.6	78.8

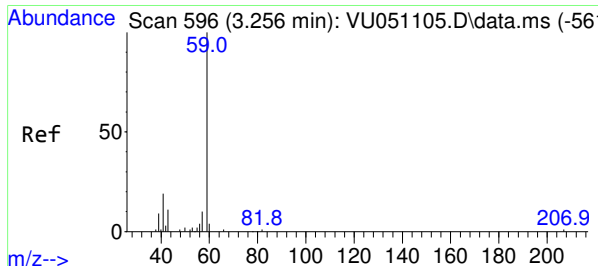


#18
2-Butanone
Concen: Below Cal
RT: 4.742 min Scan# 1058
Delta R.T. 0.019 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

Tgt Ion: 43 Resp: 152

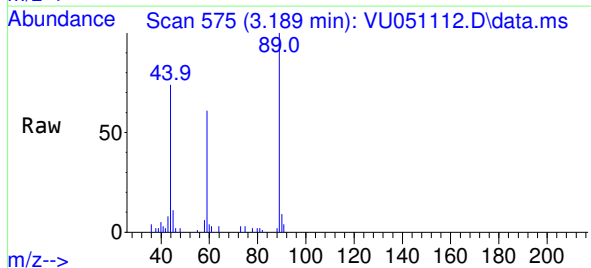
Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	18.0



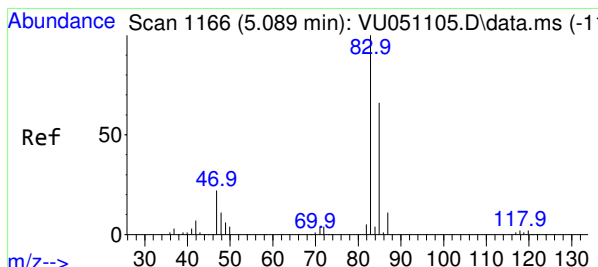
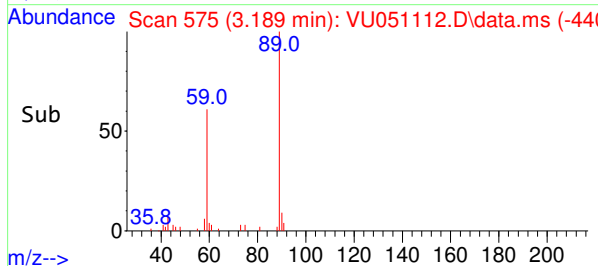
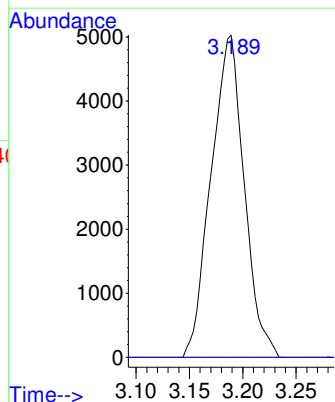


#24
tert-Butyl Alcohol
Concen: 18.77 ug/l
RT: 3.189 min Scan# 59
Delta R.T. -0.067 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

Instrument :
MSVOA_U
ClientSampleId :

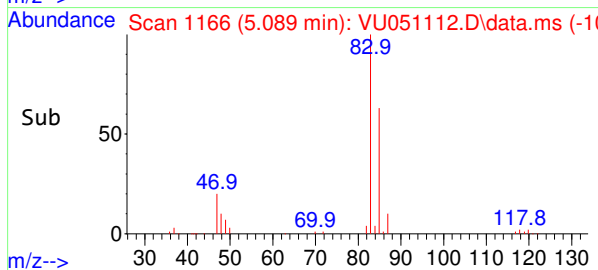
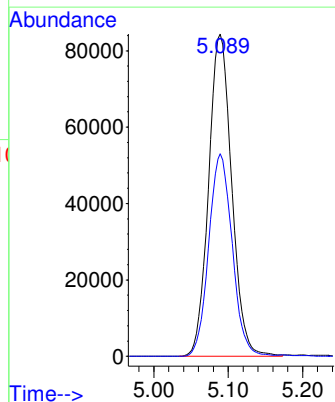
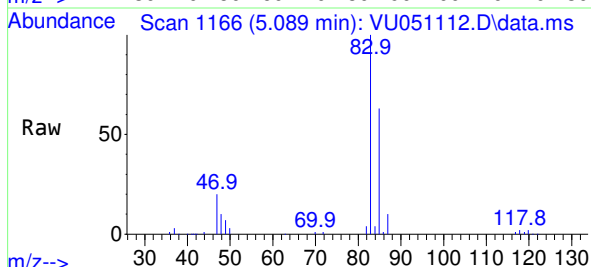


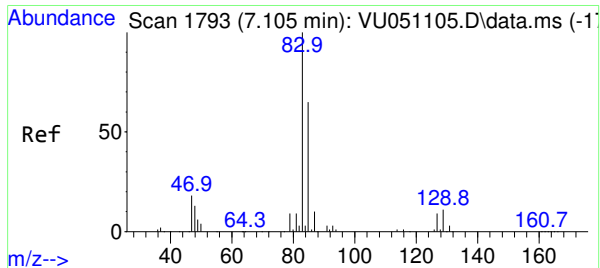
Tgt Ion: 59 Resp: 10867
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#27
Chloroform
Concen: 6.60 ug/l
RT: 5.089 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

Tgt Ion: 83 Resp: 181953
Ion Ratio Lower Upper
83 100
85 62.9 0.0 133.6

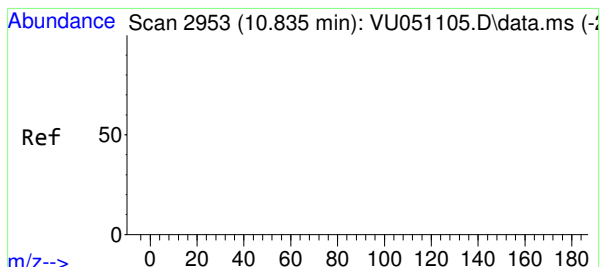
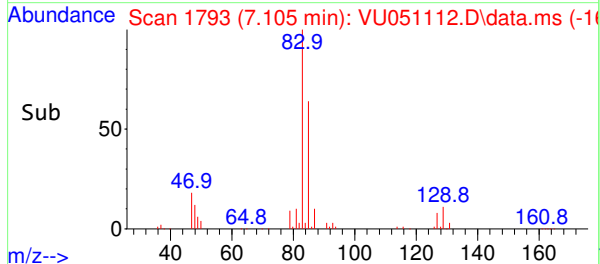
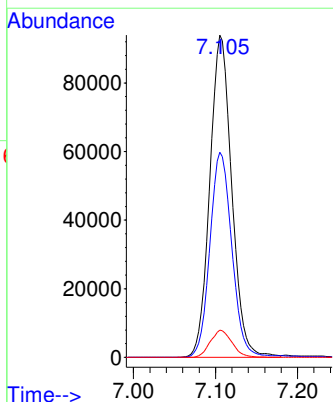
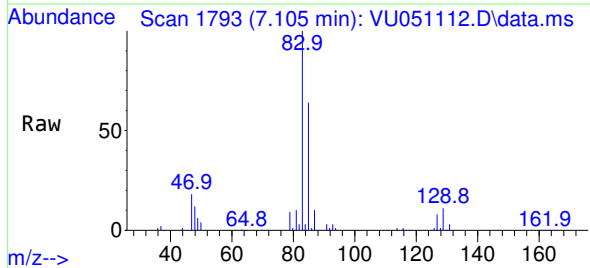




#44
Bromodichloromethane
Concen: 8.82 ug/l
RT: 7.105 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

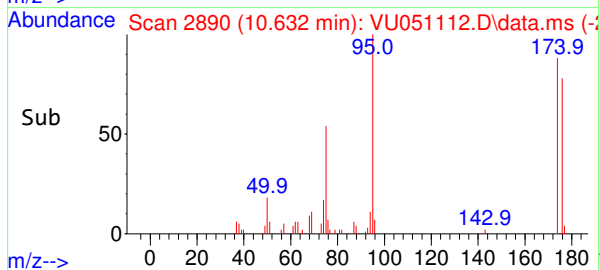
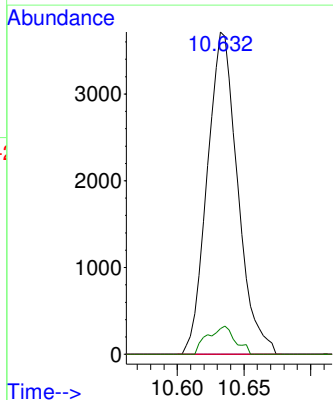
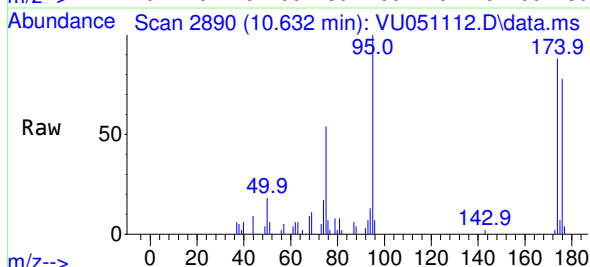
Instrument :
MSVOA_U
ClientSampleId :

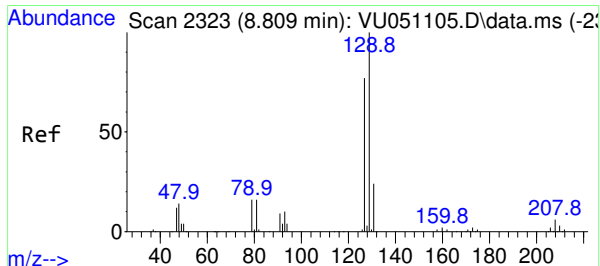
Tgt Ion: 83 Resp: 174514
Ion Ratio Lower Upper
83 100
85 63.6 49.4 74.0
127 8.5 6.6 10.0



#46
t-1,4-Dichloro-2-butene
Concen: 2.01 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.203 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

Tgt Ion: 75 Resp: 5893
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 44.2 66.2#
88 7.8 32.8 49.2#

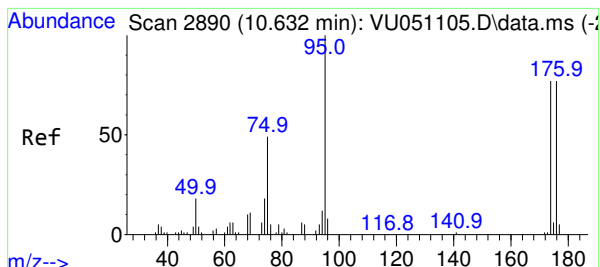
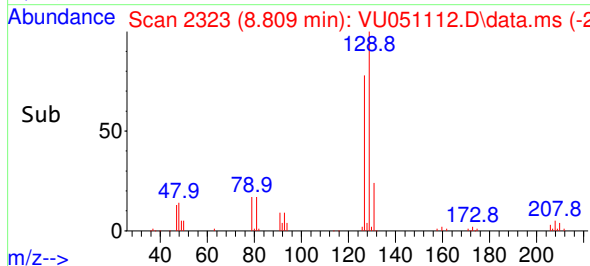
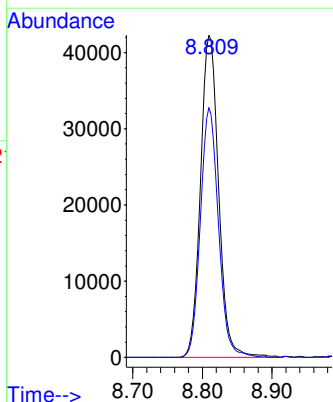
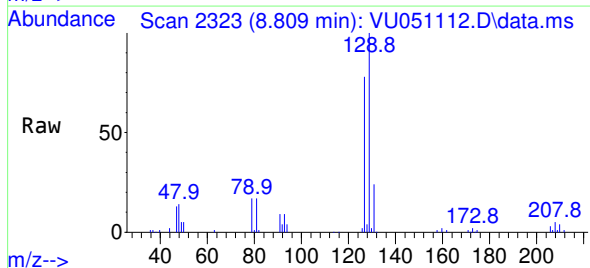




#55
Dibromochloromethane
Concen: 5.70 ug/l
RT: 8.809 min Scan# 212
Delta R.T. 0.000 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

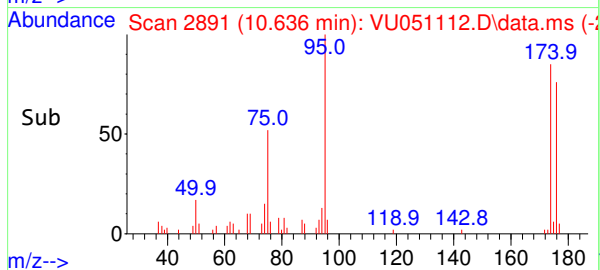
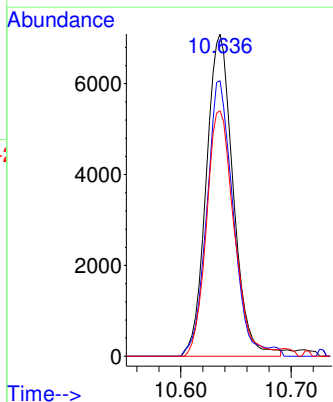
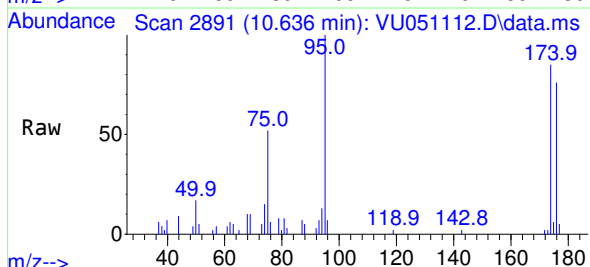
Instrument :
MSVOA_U
ClientSampleId :

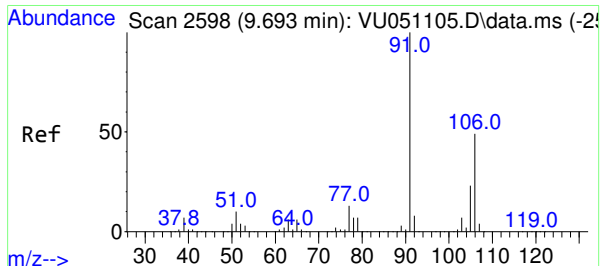
Tgt Ion: 129 Resp: 76425
Ion Ratio Lower Upper
129 100
127 77.1 61.2 91.8



#57
4-Bromofluorobenzene
Concen: 0.76 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

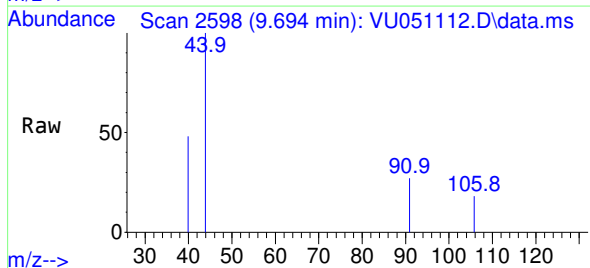
Tgt Ion: 95 Resp: 12017
Ion Ratio Lower Upper
95 100
174 84.2 62.4 93.6
176 78.3 56.2 84.2



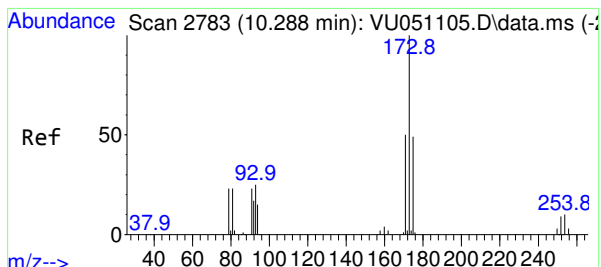
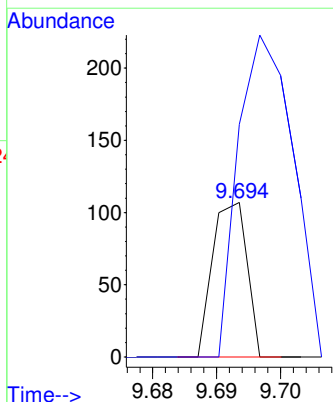
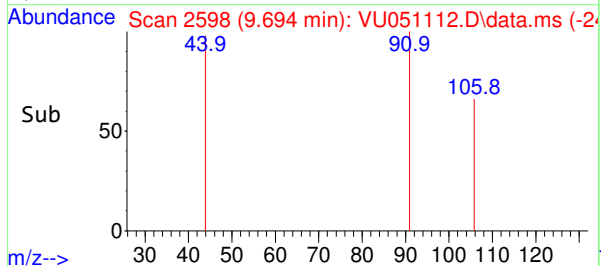


#64
m/p-Xylenes
Concen: 0.88 ug/l
RT: 9.694 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

Instrument :
MSVOA_U
ClientSampleId :

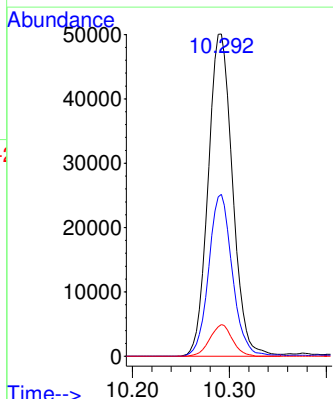
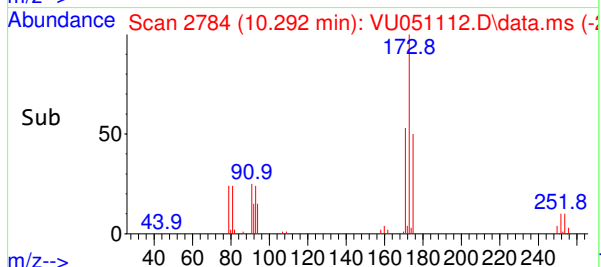
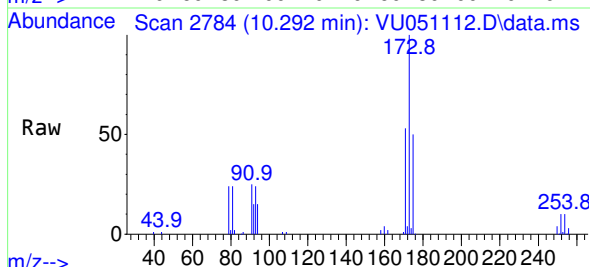


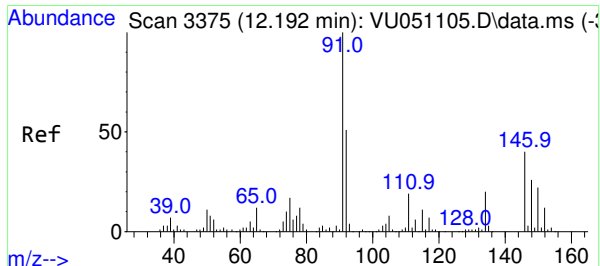
Tgt Ion:106 Resp: 40
Ion Ratio Lower Upper
106 100
91 332.5 167.8 251.6#



#67
Bromoform
Concen: 11.31 ug/l
RT: 10.292 min Scan# 2784
Delta R.T. 0.003 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

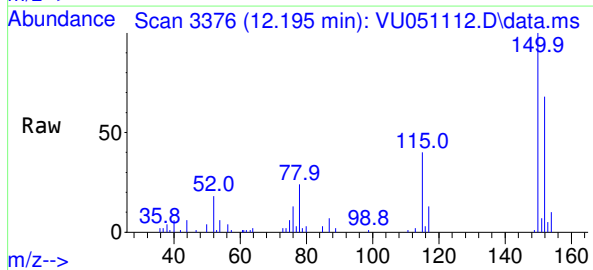
Tgt Ion:173 Resp: 87478
Ion Ratio Lower Upper
173 100
175 48.8 38.4 57.6
254 9.1 7.7 11.5



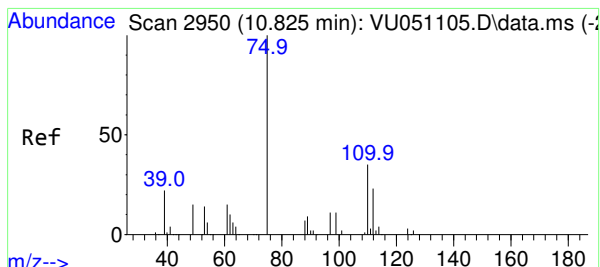
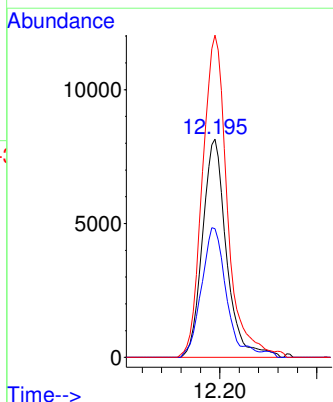
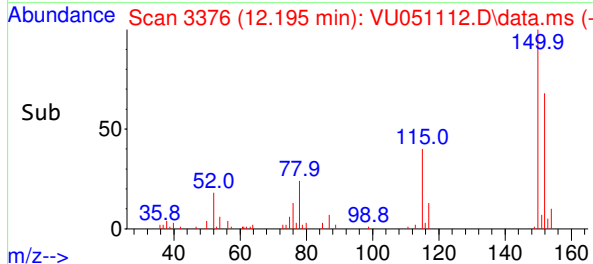


#68
 1,2-Dichlorobenzene-d4
 Concen: 0.80 ug/l
 RT: 12.195 min Scan# 3
 Delta R.T. 0.003 min
 Lab File: VU051112.D
 Acq: 04 Oct 2022 19:01

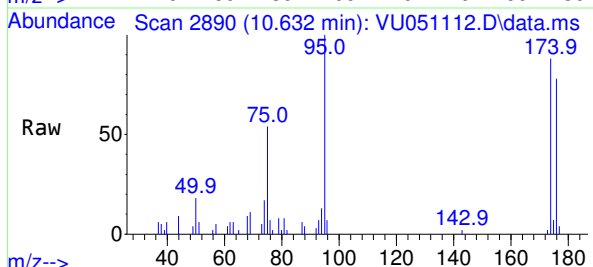
Instrument :
 MSVOA_U
 ClientSampleId :



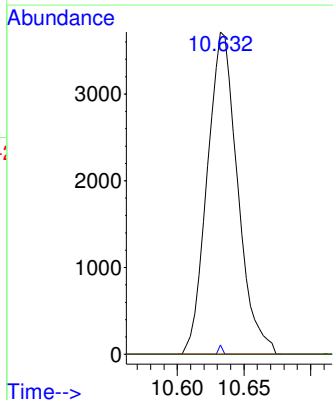
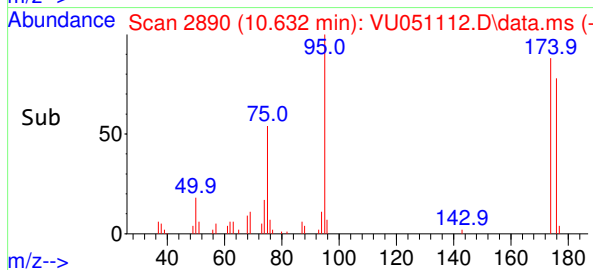
Tgt Ion:	152	Resp:	13992
Ion	Ratio	Lower	Upper
152	100		
115	61.9	0.0	254.6
150	153.7	0.0	623.6

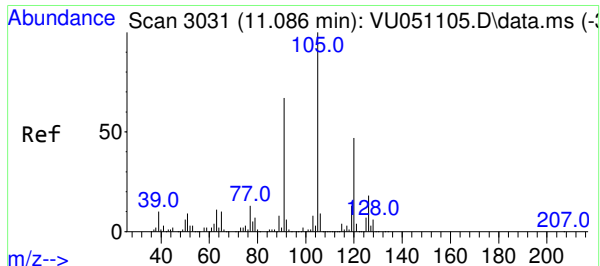


#71
 1,2,3-Trichloropropane
 Concen: 0.46 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.193 min
 Lab File: VU051112.D
 Acq: 04 Oct 2022 19:01



Tgt Ion:	75	Resp:	5893
Ion	Ratio	Lower	Upper
75	100		
77	0.4	0.0	112.4
110	0.0	0.0	70.6
97	0.0	0.0	37.4

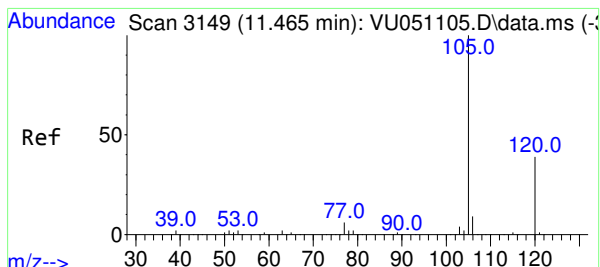
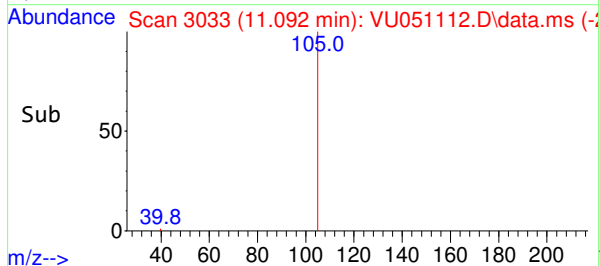
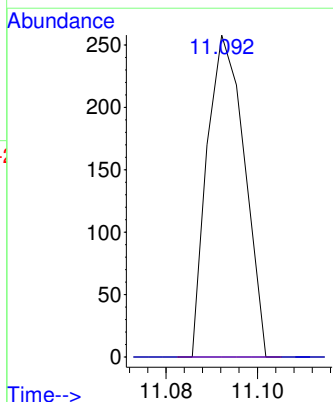
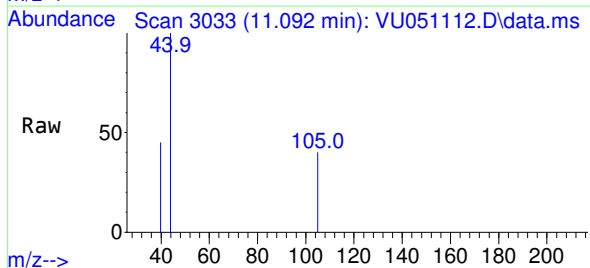




#75
1,3,5-Trimethylbenzene
Concen: 0.48 ug/l
RT: 11.092 min Scan# 3153
Delta R.T. 0.006 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

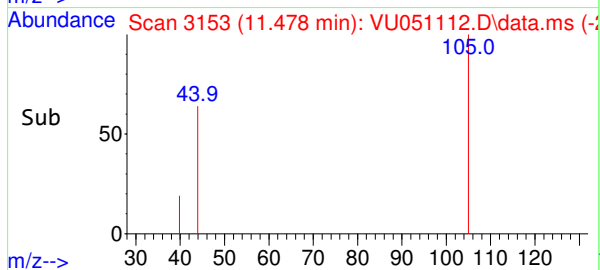
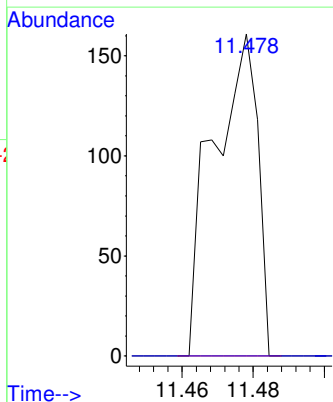
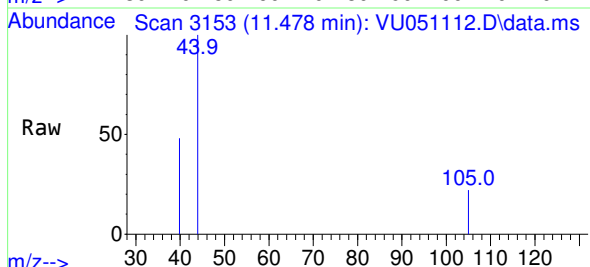
Instrument :
MSVOA_U
ClientSampleId :

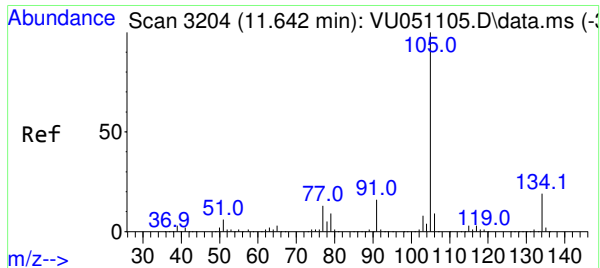
Tgt Ion:105 Resp: 146
Ion Ratio Lower Upper
105 100
120 0.0 37.6 56.4#



#78
1,2,4-Trimethylbenzene
Concen: 0.49 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.013 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

Tgt Ion:105 Resp: 140
Ion Ratio Lower Upper
105 100
120 0.0 21.6 65.0#

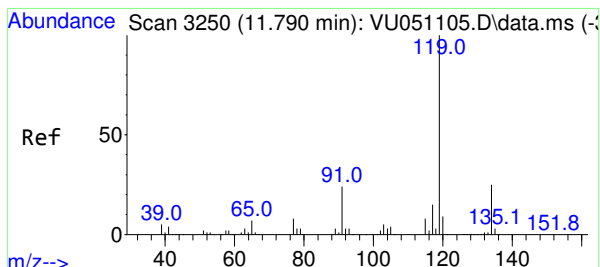
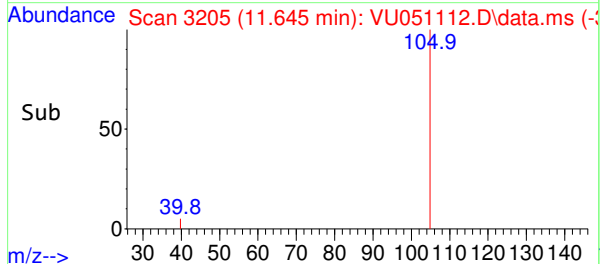
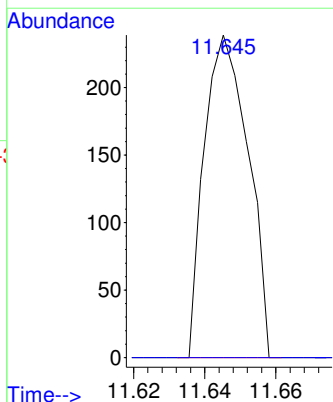
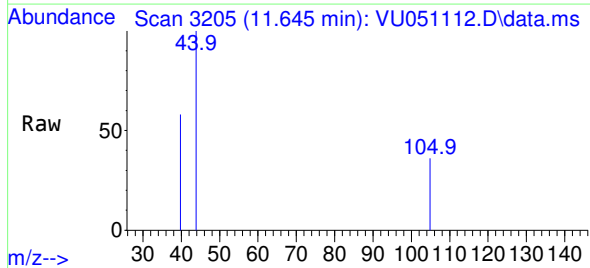




#79
 sec-Butylbenzene
 Concen: 0.44 ug/l
 RT: 11.645 min Scan# 3205
 Delta R.T. 0.003 min
 Lab File: VU051112.D
 Acq: 04 Oct 2022 19:01

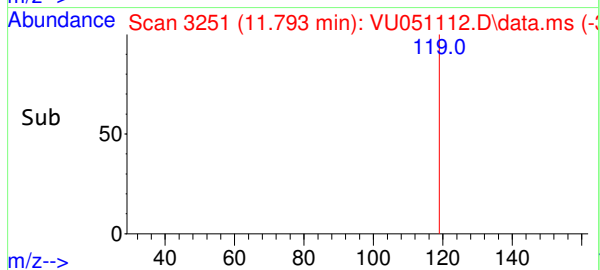
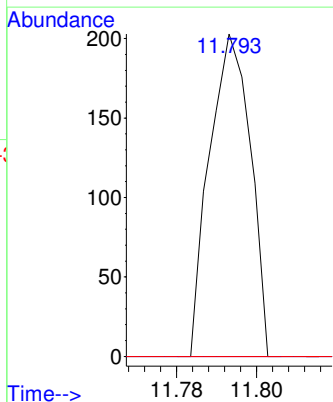
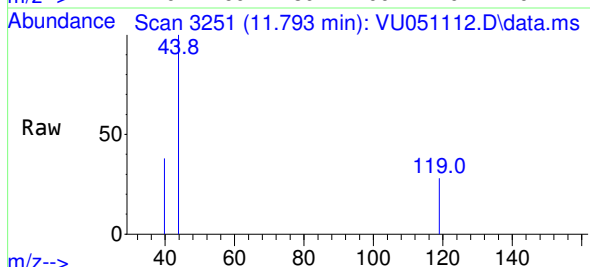
Instrument : MSVOA_U
 ClientSampleId :

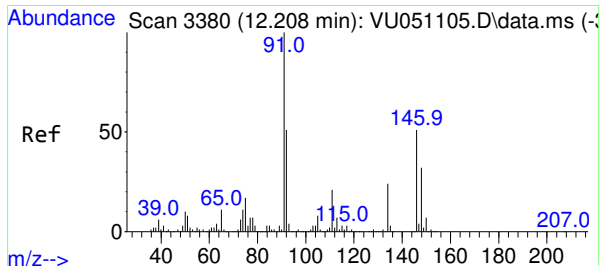
Tgt Ion:	105	Resp:	205
Ion Ratio	Lower	Upper	
105	100		
134	0.0	15.4	23.0#



#81
 p-Isopropyltoluene
 Concen: 0.55 ug/l
 RT: 11.793 min Scan# 3251
 Delta R.T. 0.003 min
 Lab File: VU051112.D
 Acq: 04 Oct 2022 19:01

Tgt Ion:	119	Resp:	144
Ion Ratio	Lower	Upper	
119	100		
134	0.0	20.5	30.7#
91	0.0	19.8	29.6#

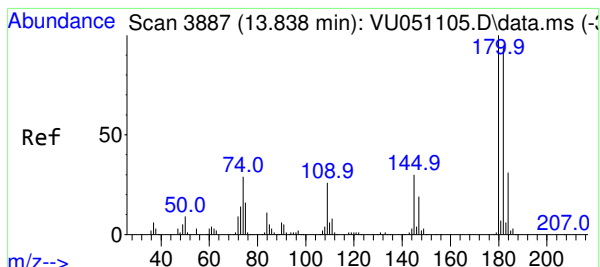
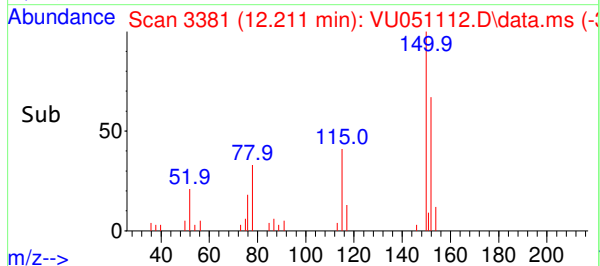
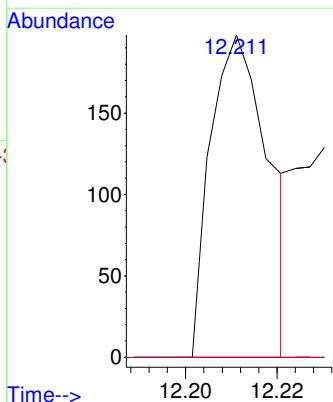
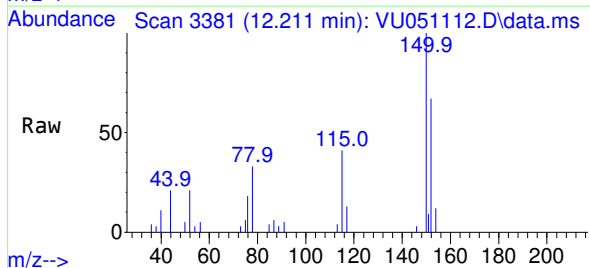




#84
n-Butylbenzene
Concen: 0.58 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

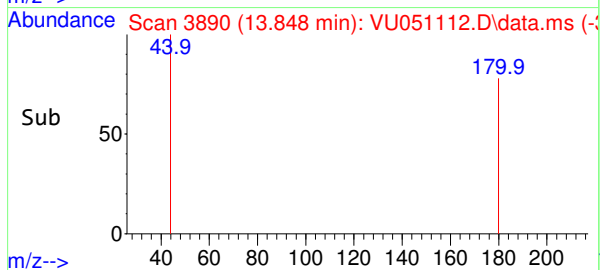
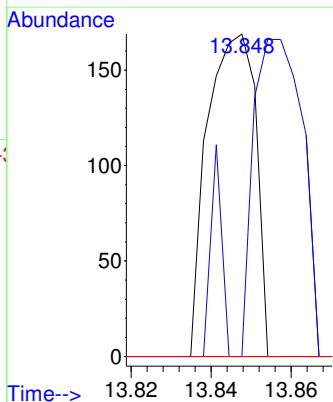
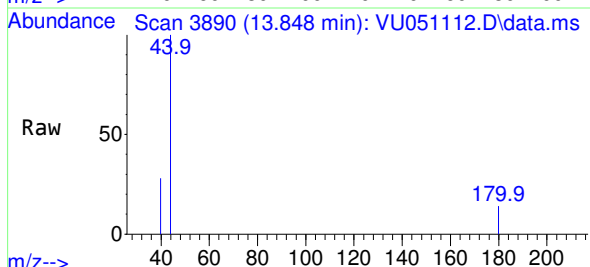
Instrument :
MSVOA_U
ClientSampleId :

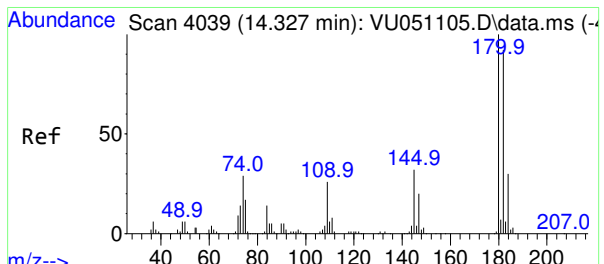
Tgt Ion:	91	Resp:	174
Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.3	63.5#
134	0.0	19.6	29.4#



#87
1,2,4-Trichlorobenzene
Concen: 0.38 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU051112.D
Acq: 04 Oct 2022 19:01

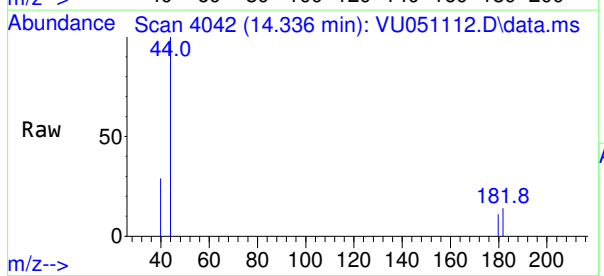
Tgt Ion:	180	Resp:	142
Ion	Ratio	Lower	Upper
180	100		
182	99.3	77.0	115.6
145	0.0	25.7	38.5#





#90
 1,2,3-Trichlorobenzene
 Concen: 0.34 ug/l
 RT: 14.336 min Scan# 4
 Delta R.T. 0.009 min
 Lab File: VU051112.D
 Acq: 04 Oct 2022 19:01

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 66

Ion	Ratio	Lower	Upper
180	100		
182	125.8	76.6	114.8#
145	0.0	27.3	40.9#

