

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012921\
 Data File : VU042225.D
 Acq On : 29 Jan 2021 17:02
 Operator : SY/MD
 Sample : M1126-08DL 2X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-UNRVOA-WSDL

Quant Time: Jan 30 00:52:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012821DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jan 29 09:59:59 2021
 Response via : Initial Calibration

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

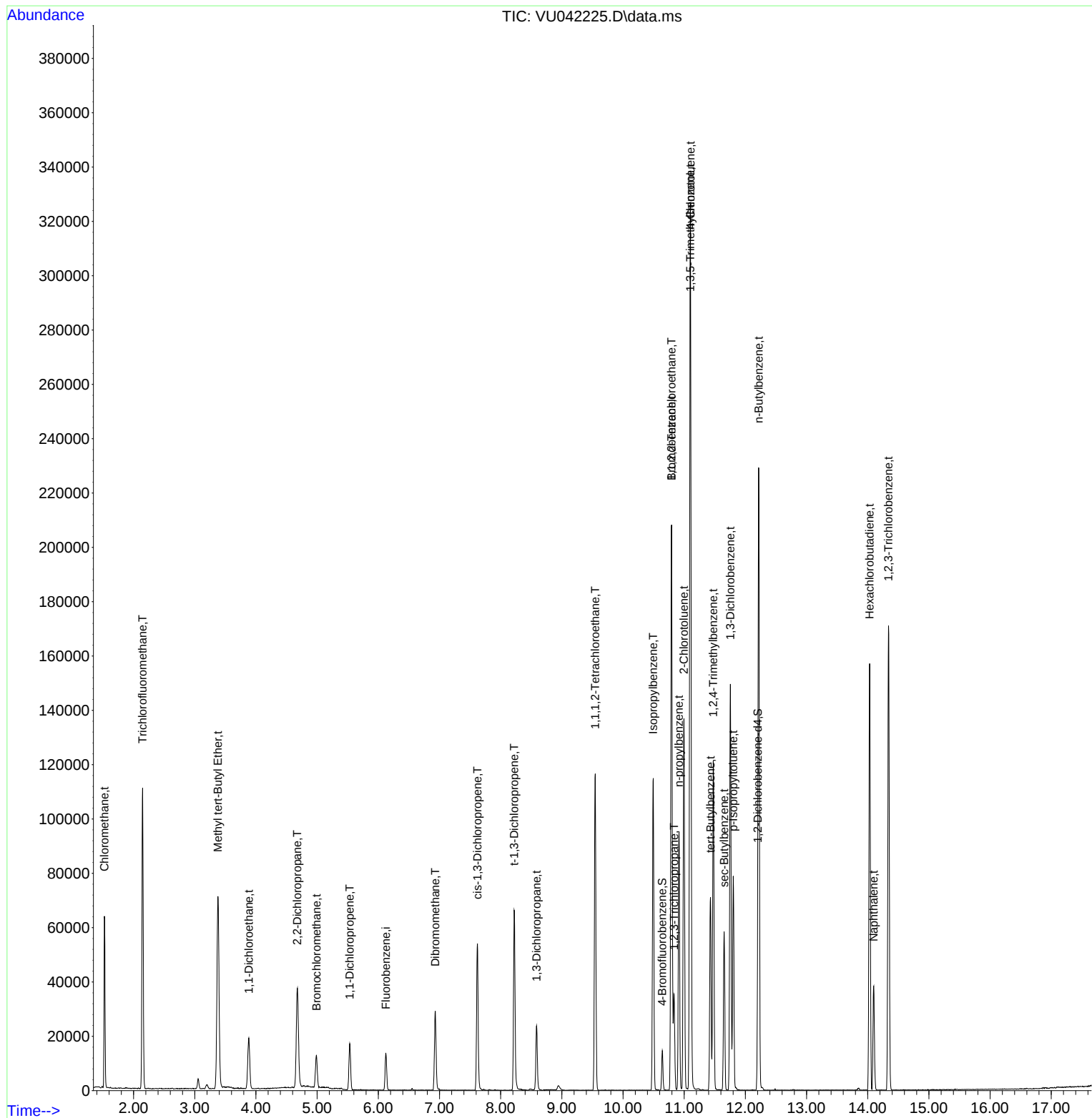
Internal Standards						
1) Fluorobenzene	6.124	96	12151	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	4587	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	4896	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
Target Compounds						
						Qvalue
3) Chloromethane	1.523	50	42381	9.81	ug/l	99
7) Trichlorofluoromethane	2.147	101	70660	12.27	ug/l	99
17) 1,1-Dichloroethane	3.883	63	21945	3.69	ug/l	99
21) 2,2-Dichloropropane	4.674	77	24747	4.36	ug/l	93
25) Methyl tert-Butyl Ether	3.379	73	77689	9.44	ug/l	99
26) Bromochloromethane	4.989	128	3527	2.35	ug/l	98
29) 1,1-Dichloropropene	5.533	75	8553	1.69	ug/l	98
43) Dibromomethane	6.932	93	10952	5.71	ug/l	98
50) t-1,3-Dichloropropene	8.221	75	35380	7.36	ug/l	98
51) cis-1,3-Dichloropropene	7.620	75	28936	5.37	ug/l	98
53) 1,3-Dichloropropane	8.587	76	12324	2.59	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.546	131	30108	8.81	ug/l	98
69) Isopropylbenzene	10.494	105	71191	4.37	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.793	83	28584	8.28	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	13301	4.89	ug/l #	61
72) Bromobenzene	10.793	156	39887	9.69	ug/l	99
73) n-propylbenzene	10.915	120	15609	3.60	ug/l	97
74) 2-Chlorotoluene	10.996	126	24308	6.28	ug/l	97
75) 1,3,5-Trimethylbenzene	11.099	105	114957	8.12	ug/l	99
76) 4-Chlorotoluene	11.105	126	26272	6.69	ug/l	96
77) tert-Butylbenzene	11.430	119	32413	2.31	ug/l	90
78) 1,2,4-Trimethylbenzene	11.475	105	65861	4.63	ug/l	98
79) sec-Butylbenzene	11.652	105	38530	2.13	ug/l	99
81) p-Isopropyltoluene	11.803	119	42152	2.75	ug/l	98
82) 1,3-Dichlorobenzene	11.754	146	58115	7.49	ug/l	99
84) n-Butylbenzene	12.217	91	120095	8.19	ug/l	100
88) Hexachlorobutadiene	14.031	225	29555	9.03	ug/l	99
89) Naphthalene	14.098	128	31197	2.87	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	52774	9.98	ug/l	99

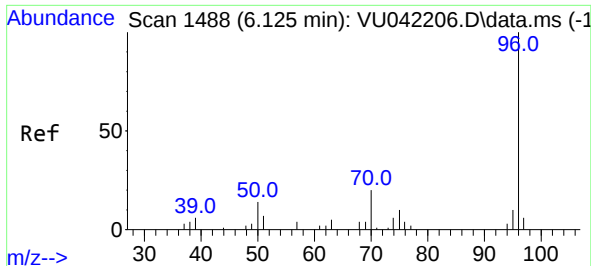
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012921\
Data File : VU042225.D
Acq On : 29 Jan 2021 17:02
Operator : SY/MD
Sample : M1126-08DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

Quant Time: Jan 30 00:52:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012821DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jan 29 09:59:59 2021
Response via : Initial Calibration

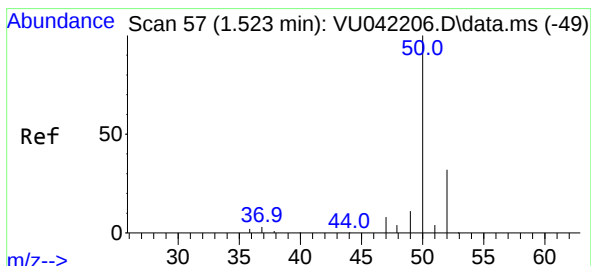
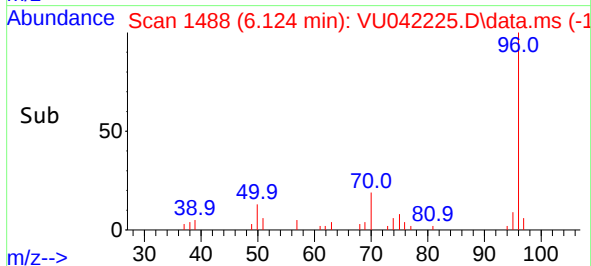
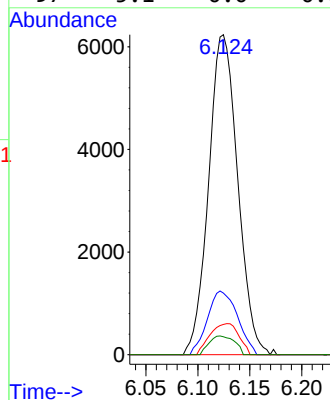
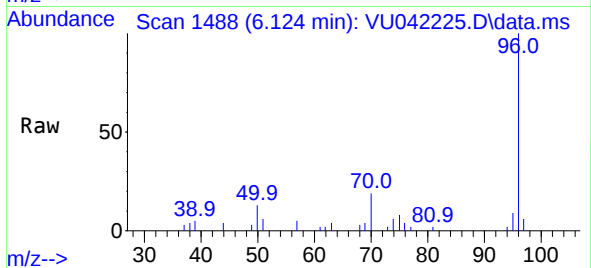




#1
Fluorobenzene
Concen: 1.00 ug/l
RT: 6.124 min Scan# 1488
Delta R.T. -0.001 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

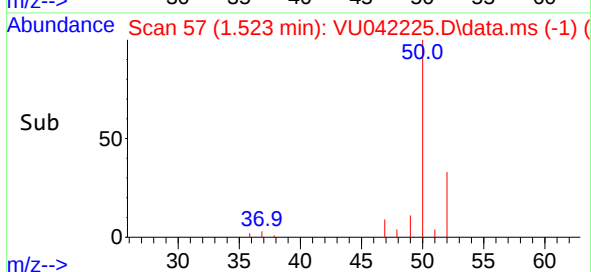
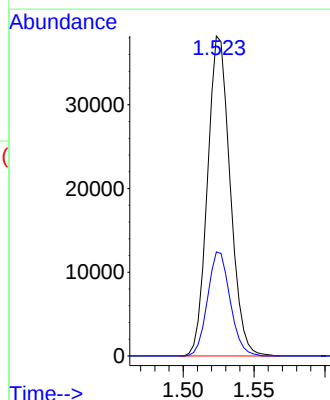
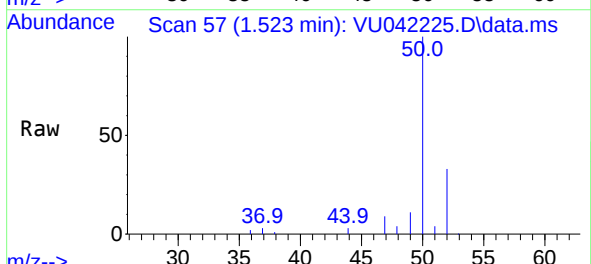
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

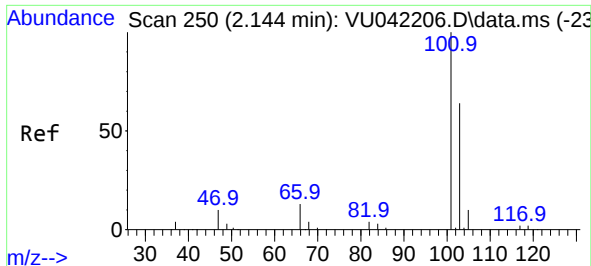
Tgt Ion: 96	Resp: 12151
Ion Ratio	Lower Upper
96 100	
70 20.6	16.3 24.5
95 9.6	7.6 11.4
97 5.1	0.0 0.0#



#3
Chloromethane
Concen: 9.81 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion: 50	Resp: 42381
Ion Ratio	Lower Upper
50 100	
52 32.5	25.6 38.4

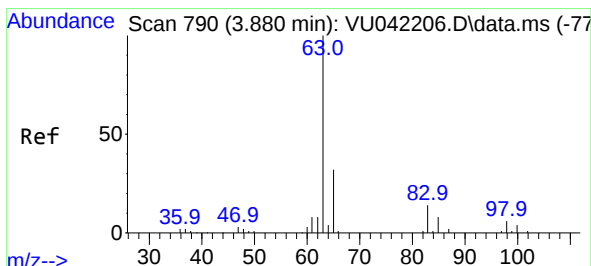
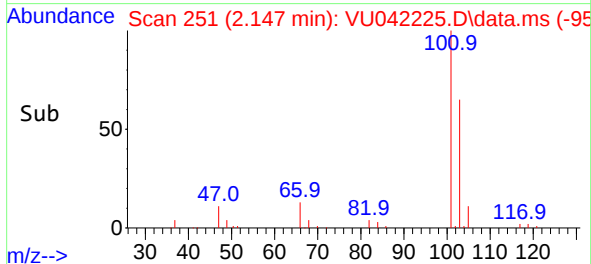
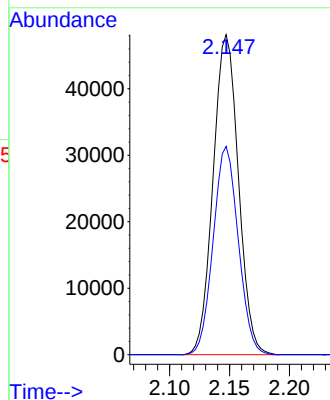
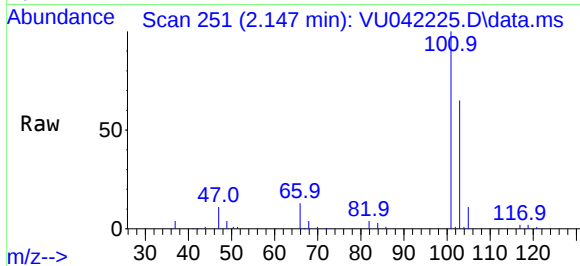




#7
 Trichlorofluoromethane
 Concen: 12.27 ug/l
 RT: 2.147 min Scan# 251
 Delta R.T. 0.003 min
 Lab File: VU042225.D
 Acq: 29 Jan 2021 17:02

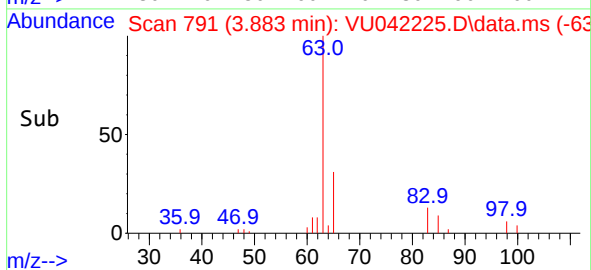
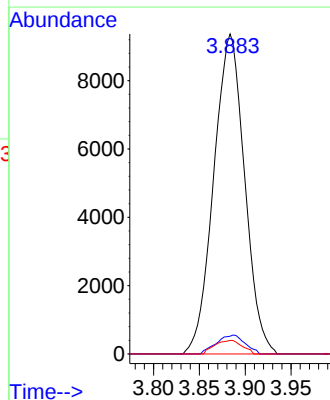
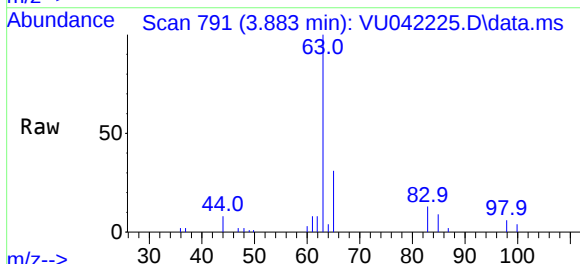
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-UNRVOA-WSDL

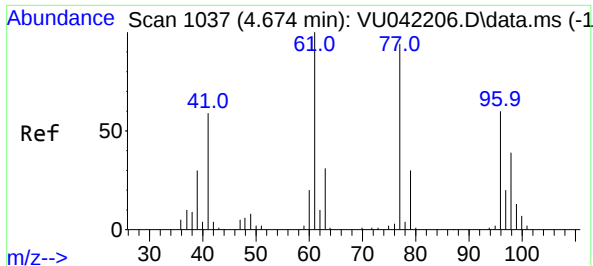
Tgt Ion:101 Resp: 70660
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.5 77.3



#17
 1,1-Dichloroethane
 Concen: 3.69 ug/l
 RT: 3.883 min Scan# 791
 Delta R.T. 0.003 min
 Lab File: VU042225.D
 Acq: 29 Jan 2021 17:02

Tgt Ion: 63 Resp: 21945
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.0 9.0
 100 4.2 2.1 6.2

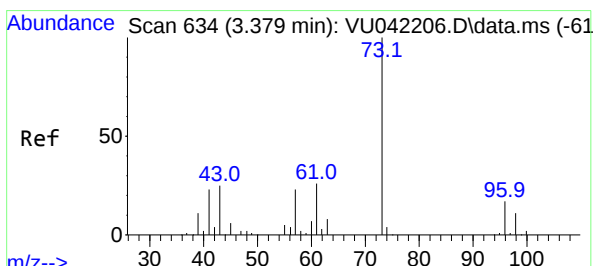
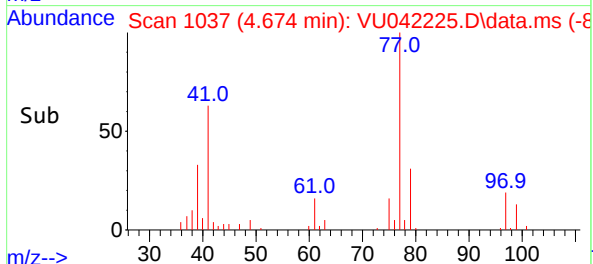
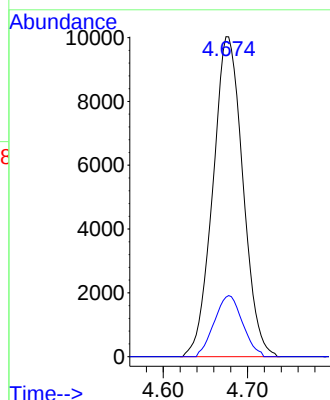
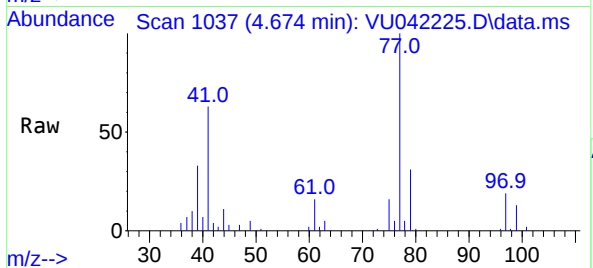




#21
2,2-Dichloropropane
Concen: 4.36 ug/l
RT: 4.674 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

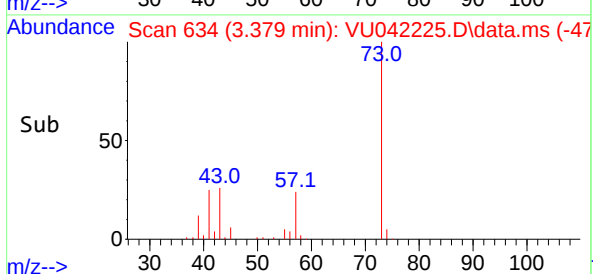
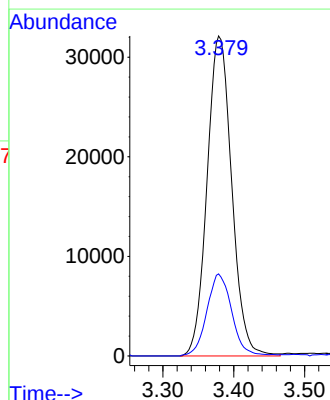
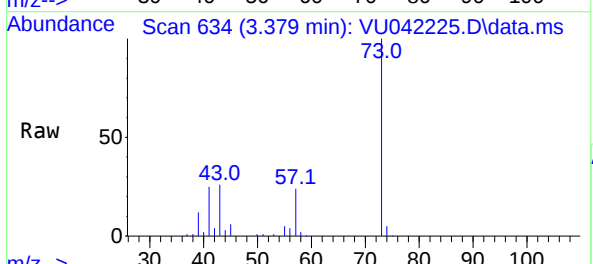
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

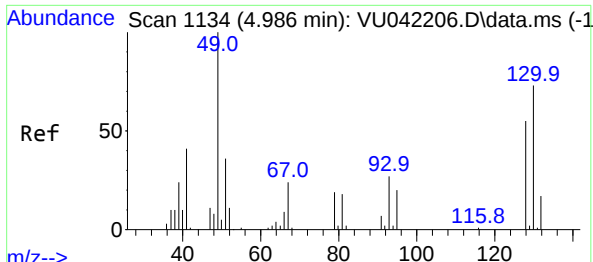
Tgt Ion: 77 Resp: 24747
Ion Ratio Lower Upper
77 100
97 18.0 16.9 25.3



#25
Methyl tert-Butyl Ether
Concen: 9.44 ug/l
RT: 3.379 min Scan# 634
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion: 73 Resp: 77689
Ion Ratio Lower Upper
73 100
43 26.0 20.3 30.5

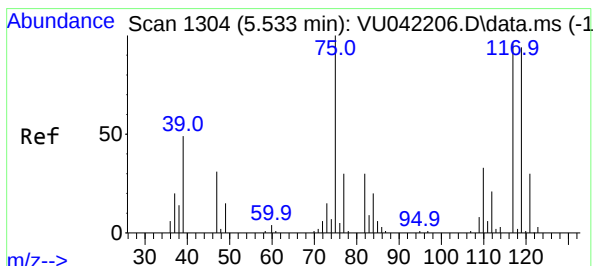
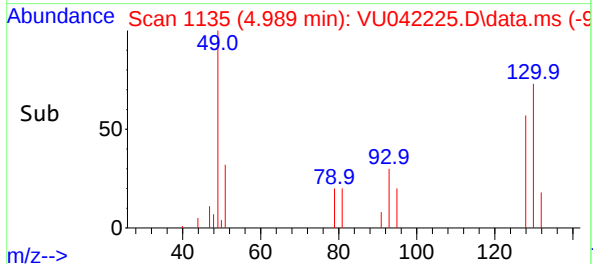
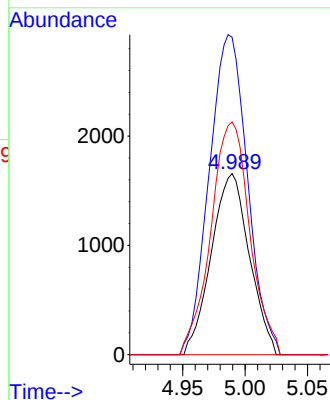
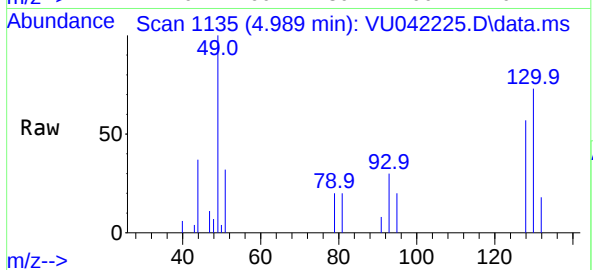




#26
Bromochloromethane
Concen: 2.35 ug/l
RT: 4.989 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

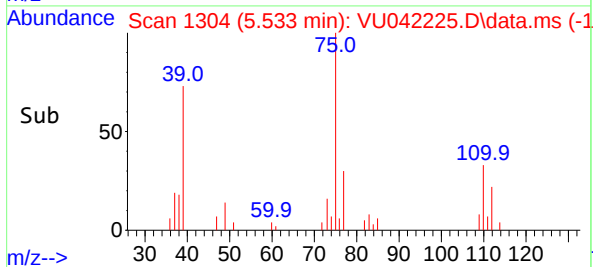
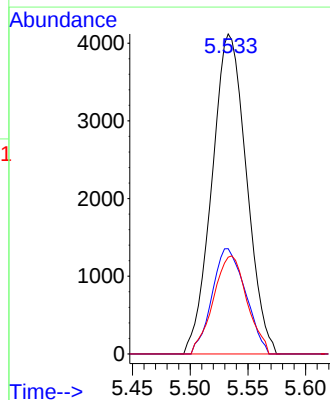
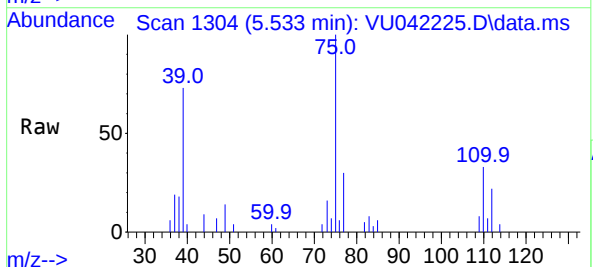
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

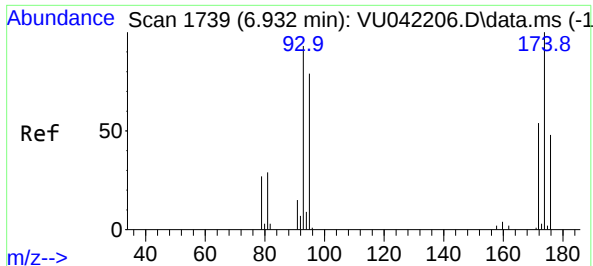
Tgt Ion:128 Resp: 3527
Ion Ratio Lower Upper
128 100
49 177.4 0.0 360.6
130 131.5 103.7 155.5



#29
1,1-Dichloropropene
Concen: 1.69 ug/l
RT: 5.533 min Scan# 1304
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion: 75 Resp: 8553
Ion Ratio Lower Upper
75 100
110 31.9 16.4 49.2
77 29.9 24.6 36.8



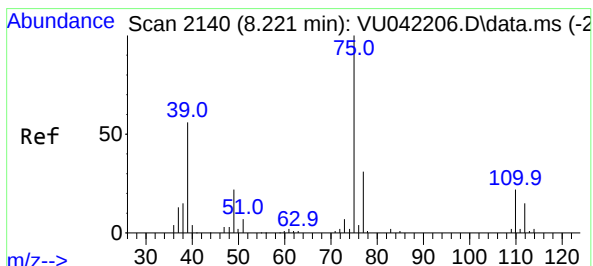
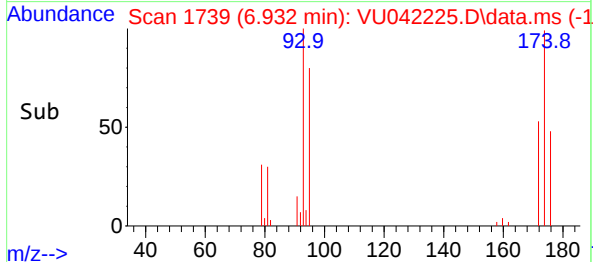
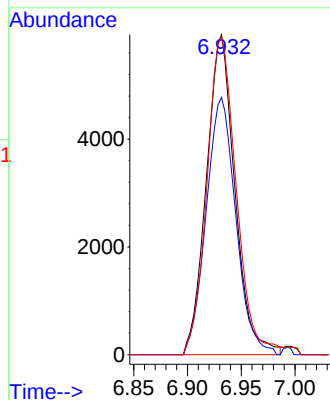
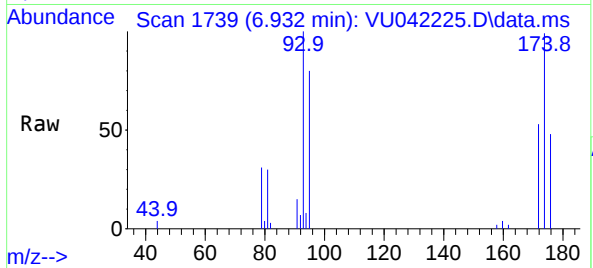


#43
Dibromomethane
Concen: 5.71 ug/l
RT: 6.932 min Scan# 1739
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

Tgt Ion: 93 Resp: 10952

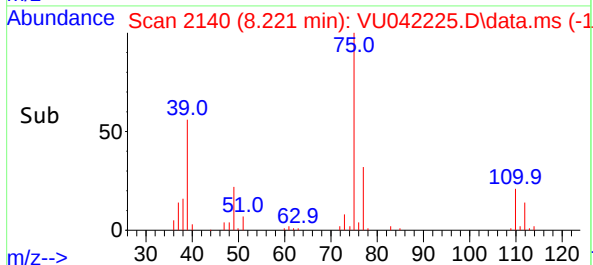
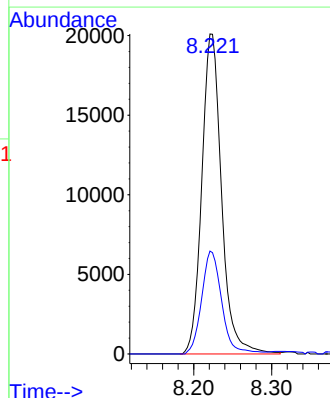
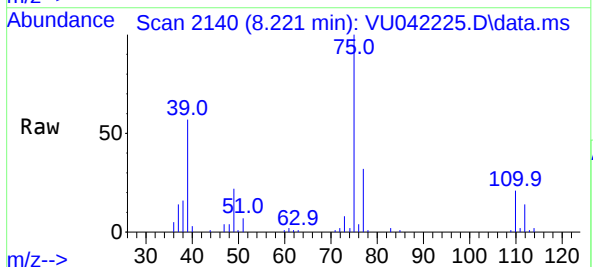
Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.7	100.1
174	102.2	84.2	126.4

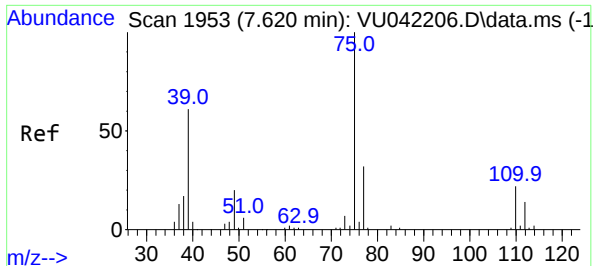


#50
t-1,3-Dichloropropene
Concen: 7.36 ug/l
RT: 8.221 min Scan# 2140
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion: 75 Resp: 35380

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.9	37.3

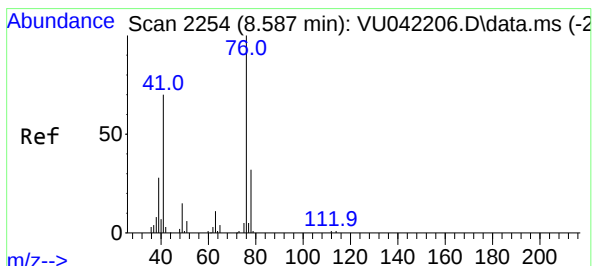
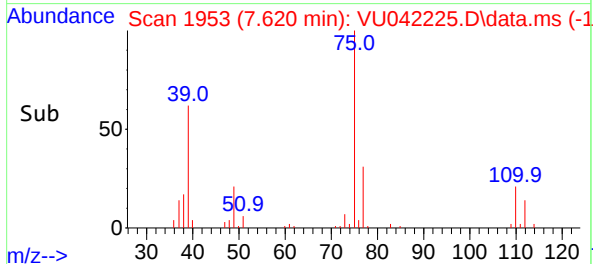
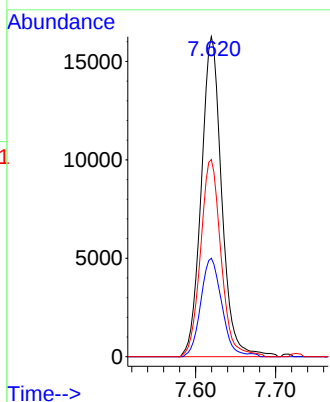
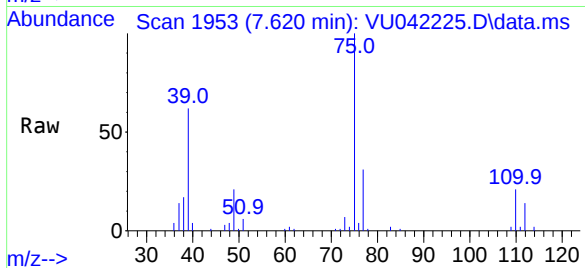




#51
 cis-1,3-Dichloropropene
 Concen: 5.37 ug/l
 RT: 7.620 min Scan# 1953
 Delta R.T. -0.000 min
 Lab File: VU042225.D
 Acq: 29 Jan 2021 17:02

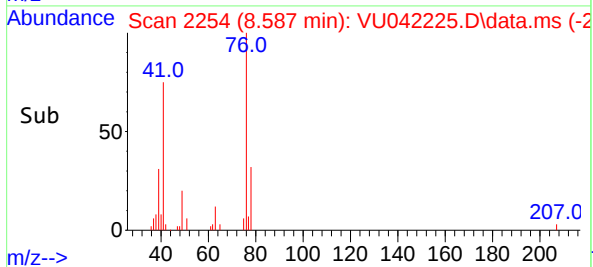
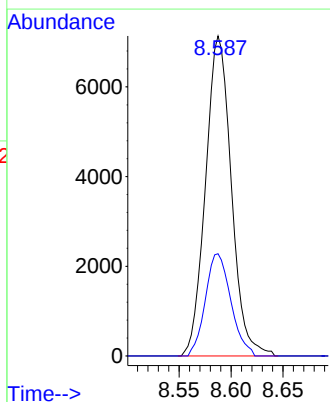
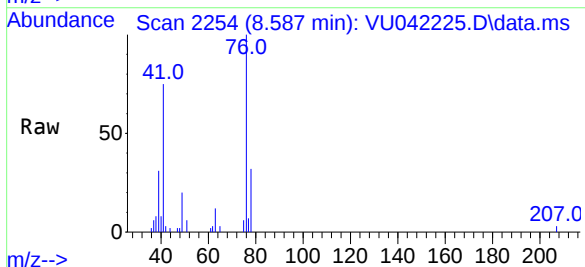
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-UNRVOA-WSDL

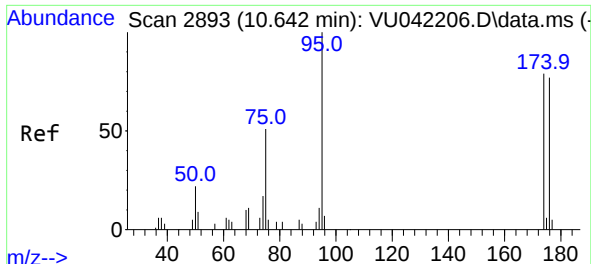
Tgt Ion: 75	Resp: 28936
Ion Ratio	Lower Upper
75 100	
77 30.8	25.6 38.4
39 61.6	48.6 72.8



#53
 1,3-Dichloropropane
 Concen: 2.59 ug/l
 RT: 8.587 min Scan# 2254
 Delta R.T. 0.000 min
 Lab File: VU042225.D
 Acq: 29 Jan 2021 17:02

Tgt Ion: 76	Resp: 12324
Ion Ratio	Lower Upper
76 100	
78 31.5	25.4 38.2

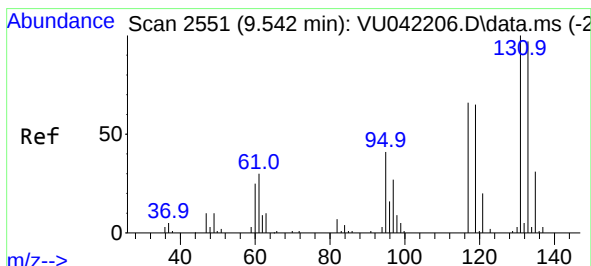
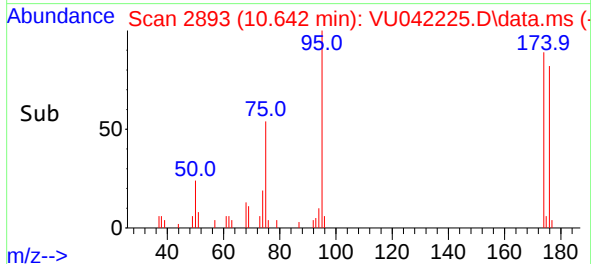
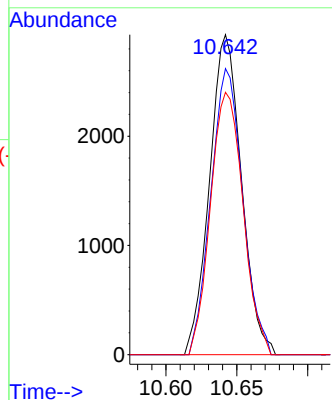
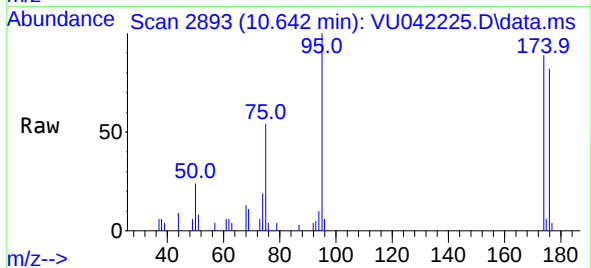




#57
4-Bromofluorobenzene
Concen: 0.97 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

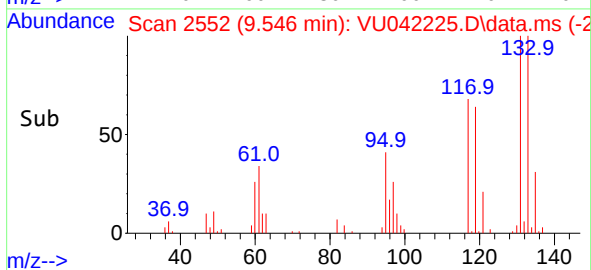
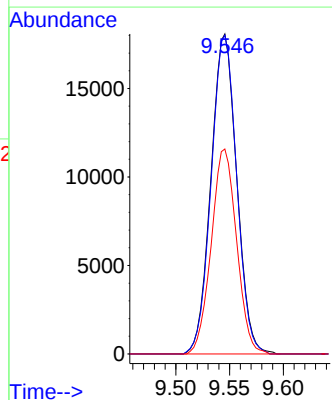
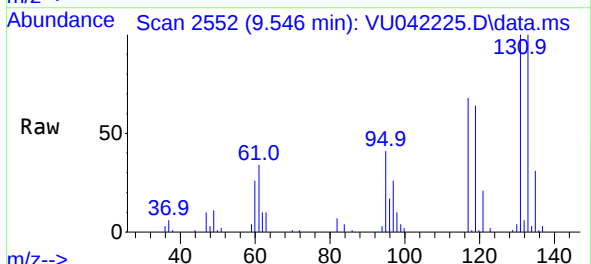
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

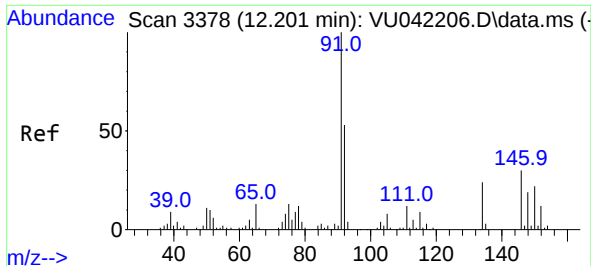
Tgt Ion: 95 Resp: 4587
Ion Ratio Lower Upper
95 100
174 89.1 69.6 104.4
176 83.8 65.5 98.3



#60
1,1,1,2-Tetrachloroethane
Concen: 8.81 ug/l
RT: 9.546 min Scan# 2552
Delta R.T. 0.004 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion: 131 Resp: 30108
Ion Ratio Lower Upper
131 100
133 98.5 76.7 115.1
119 63.0 51.4 77.0

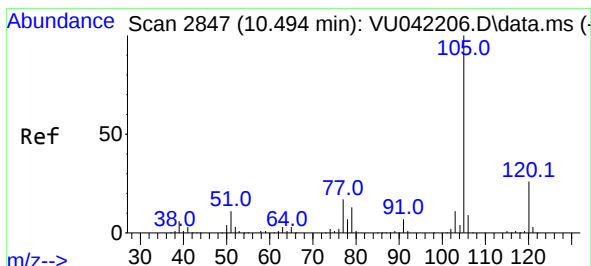
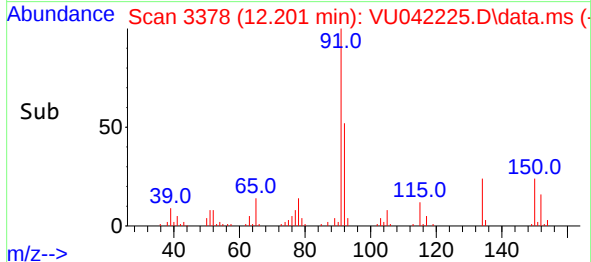
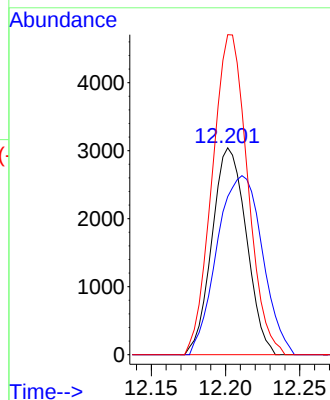
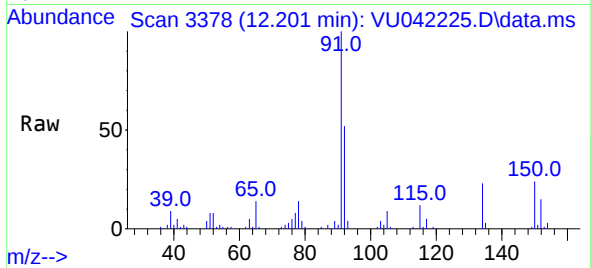




#68
1,2-Dichlorobenzene-d4
Concen: 1.02 ug/l
RT: 12.201 min Scan# 3378
Delta R.T. 0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

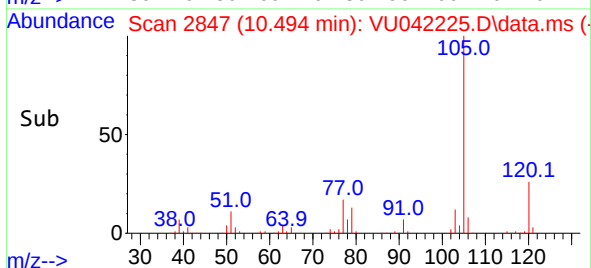
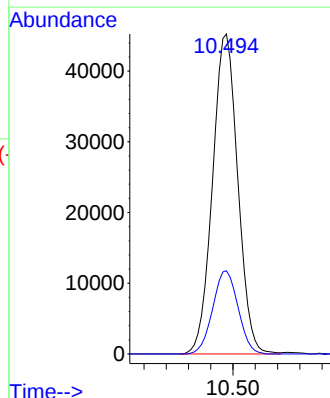
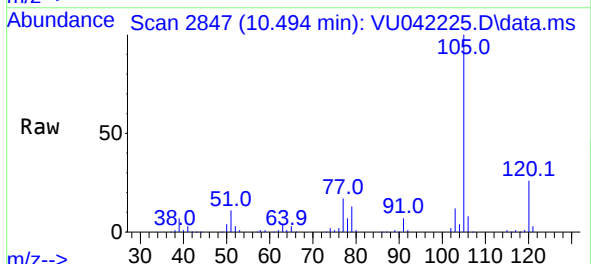
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

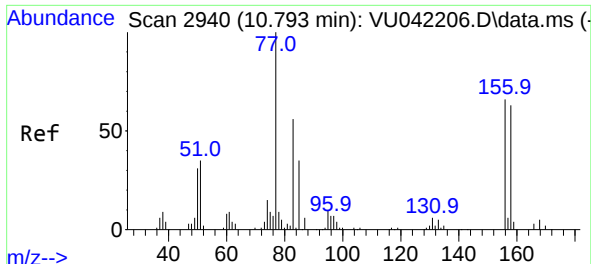
Tgt Ion	Ratio	Lower	Upper
152	100		
115	114.3	0.0	243.2
150	159.6	0.0	642.6



#69
Isopropylbenzene
Concen: 4.37 ug/l
RT: 10.494 min Scan# 2847
Delta R.T. 0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

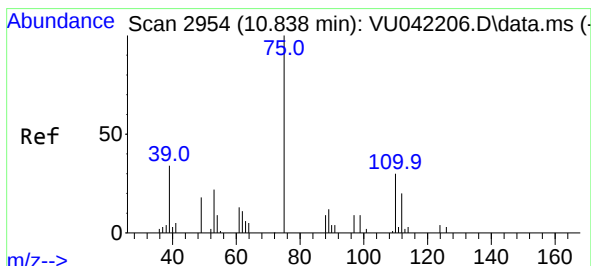
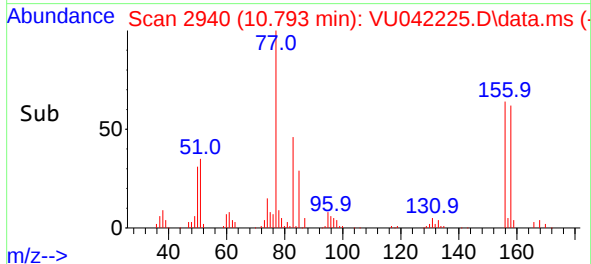
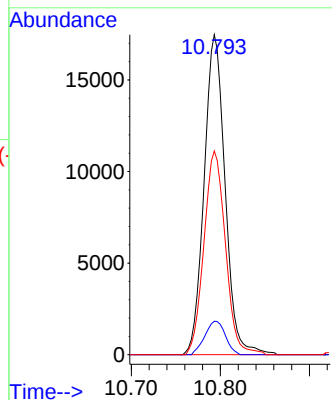
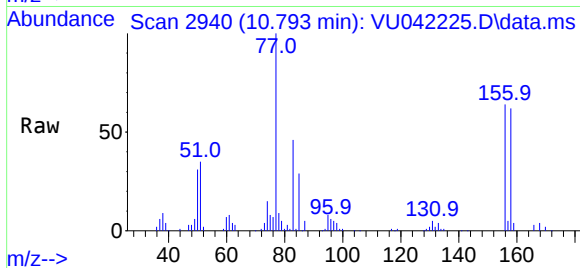




#70
1,1,2,2-Tetrachloroethane
Concen: 8.28 ug/l
RT: 10.793 min Scan# 2940
Delta R.T. 0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

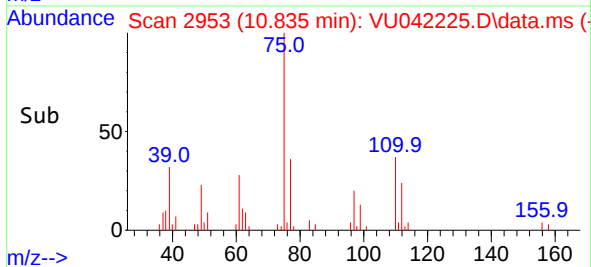
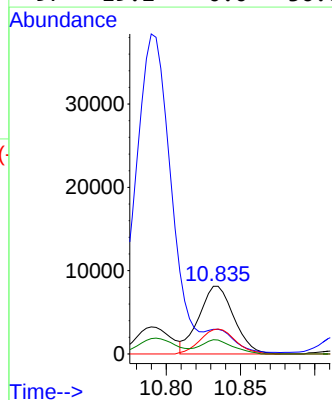
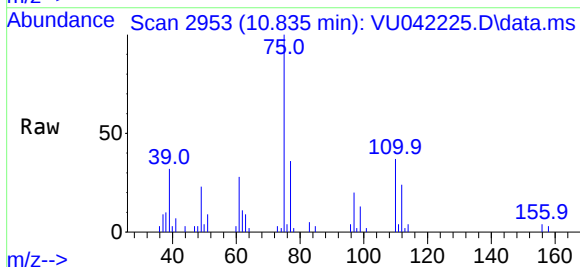
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

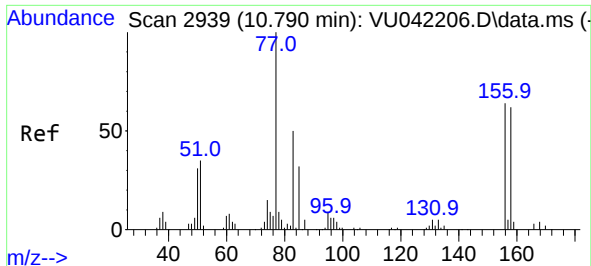
Tgt Ion: 83 Resp: 28584
Ion Ratio Lower Upper
83 100
131 10.2 8.1 12.1
85 65.3 51.5 77.3



#71
1,2,3-Trichloropropane
Concen: 4.89 ug/l
RT: 10.835 min Scan# 2953
Delta R.T. -0.003 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion: 75 Resp: 13301
Ion Ratio Lower Upper
75 100
77 0.0 0.0 107.2
110 36.8 0.0 69.0
97 19.2 0.0 36.6

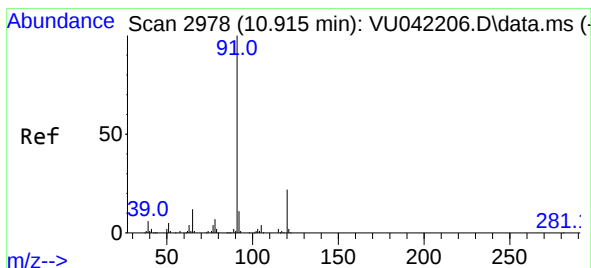
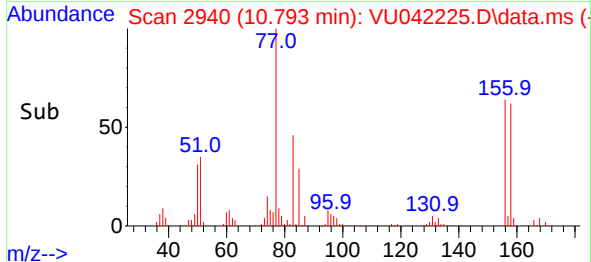
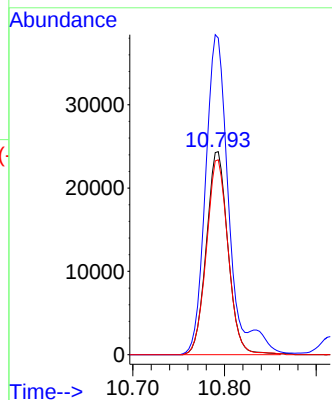
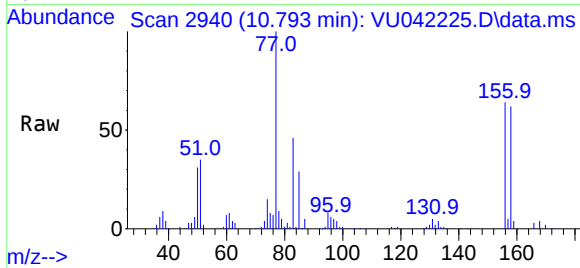




#72
Bromobenzene
Concen: 9.69 ug/l
RT: 10.793 min Scan# 2940
Delta R.T. 0.003 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

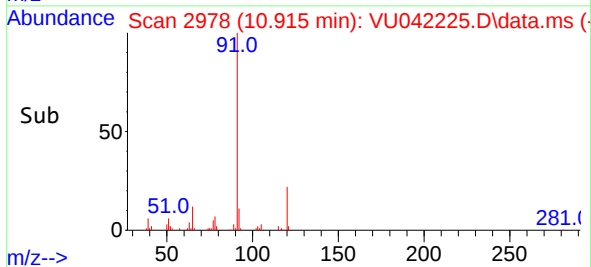
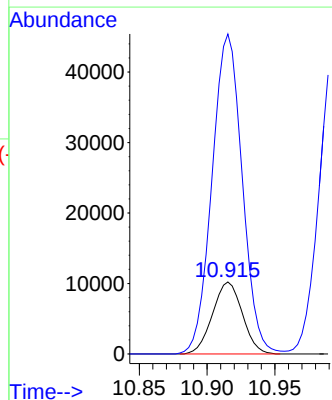
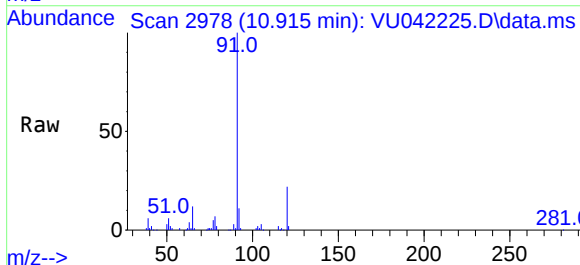
Tgt Ion:156 Resp: 39887
Ion Ratio Lower Upper
156 100
77 160.4 0.0 317.6
158 96.9 0.0 195.0

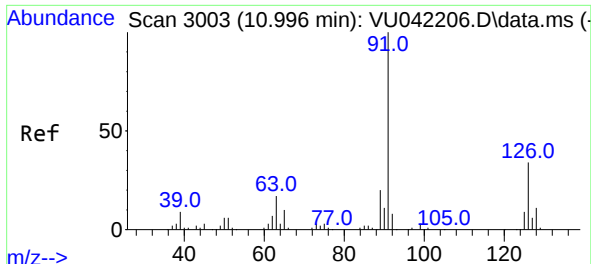
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL



#73
n-propylbenzene
Concen: 3.60 ug/l
RT: 10.915 min Scan# 2978
Delta R.T. 0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion:120 Resp: 15609
Ion Ratio Lower Upper
120 100
91 450.5 355.1 532.7

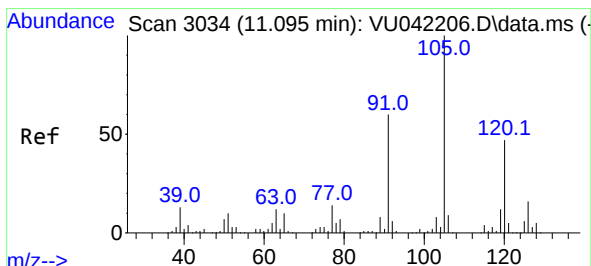
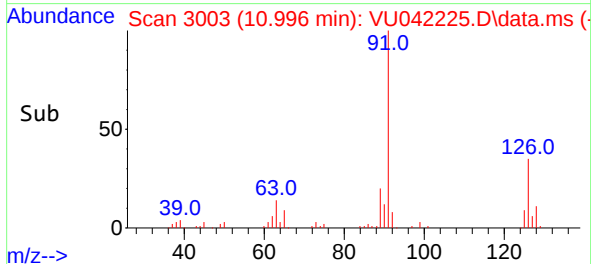
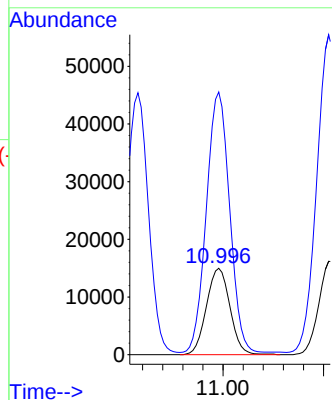
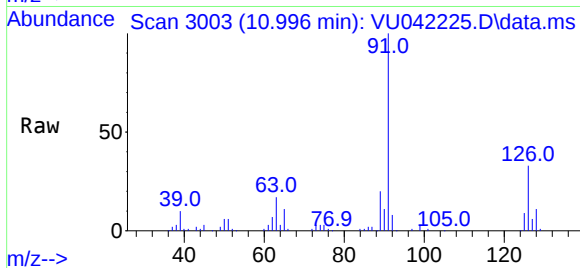




#74
2-Chlorotoluene
Concen: 6.28 ug/l
RT: 10.996 min Scan# 3003
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

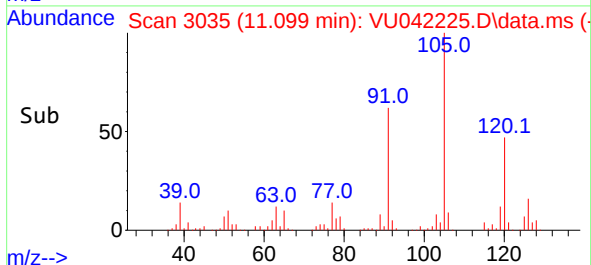
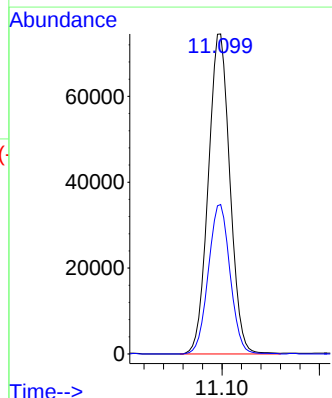
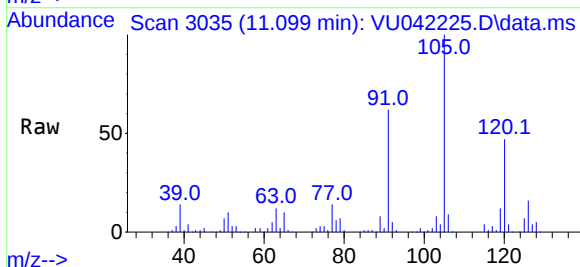
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

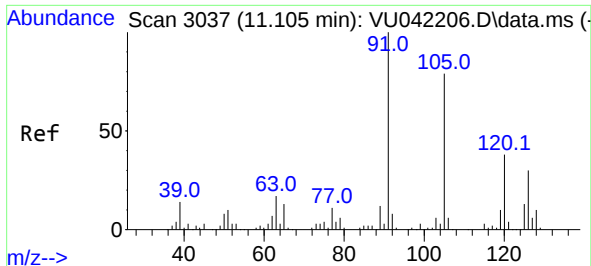
Tgt Ion:126 Resp: 24308
Ion Ratio Lower Upper
126 100
91 299.4 0.0 588.6



#75
1,3,5-Trimethylbenzene
Concen: 8.12 ug/l
RT: 11.099 min Scan# 3035
Delta R.T. 0.004 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion:105 Resp: 114957
Ion Ratio Lower Upper
105 100
120 46.9 37.8 56.8

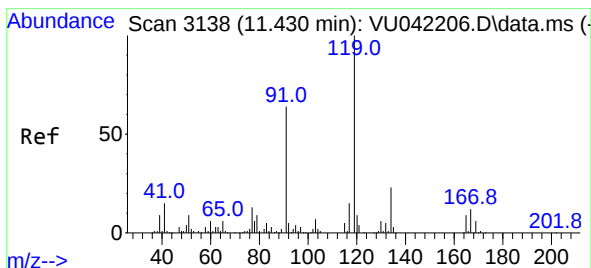
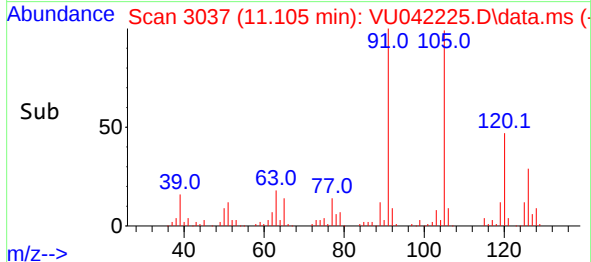
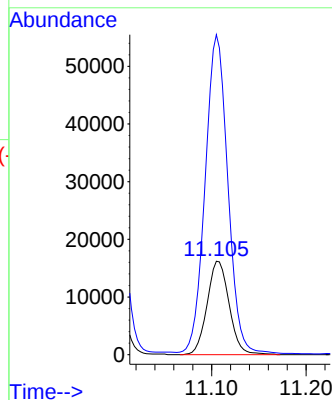
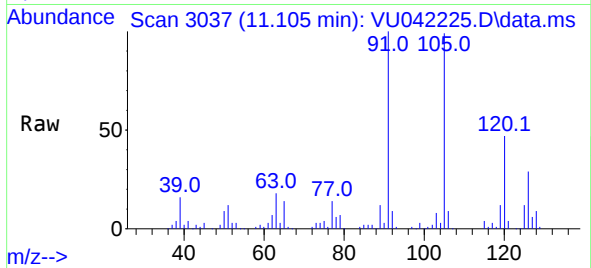




#76
4-Chlorotoluene
Concen: 6.69 ug/l
RT: 11.105 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

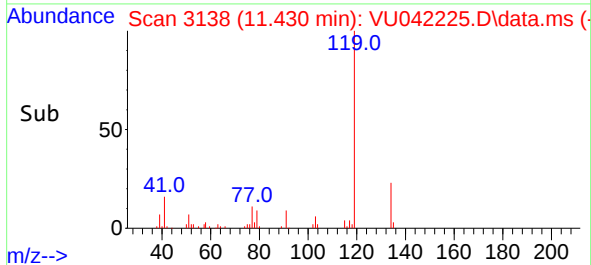
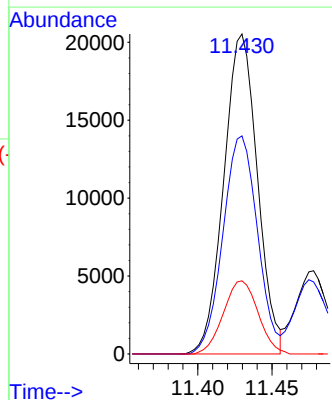
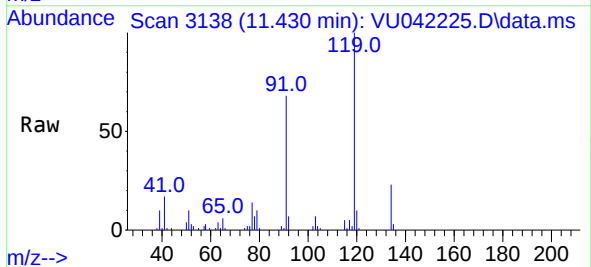
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

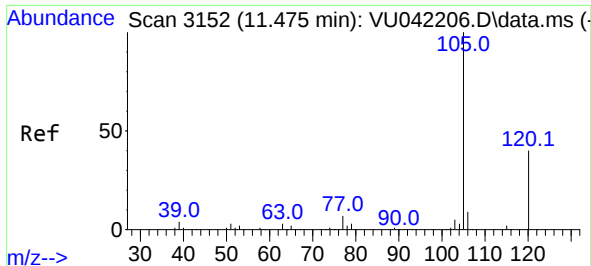
Tgt Ion:126 Resp: 26272
Ion Ratio Lower Upper
126 100
91 350.5 0.0 682.0



#77
tert-Butylbenzene
Concen: 2.31 ug/l
RT: 11.430 min Scan# 3138
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion:119 Resp: 32413
Ion Ratio Lower Upper
119 100
91 70.0 30.3 90.9
134 23.5 18.1 27.1

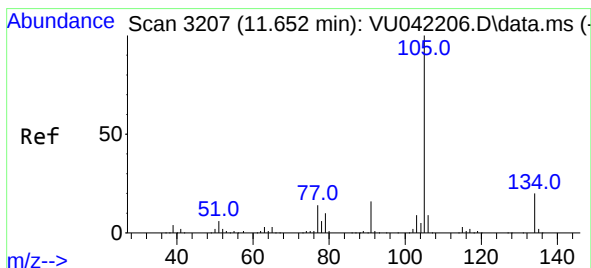
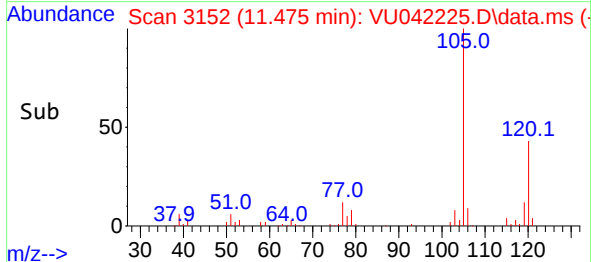
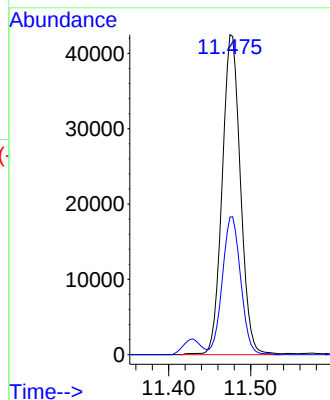
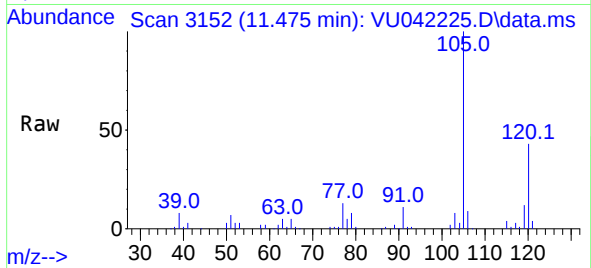




#78
1,2,4-Trimethylbenzene
Concen: 4.63 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

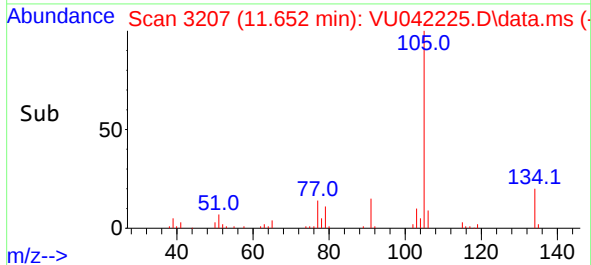
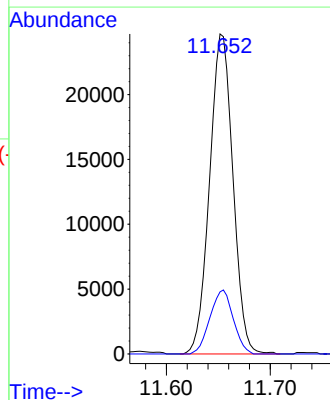
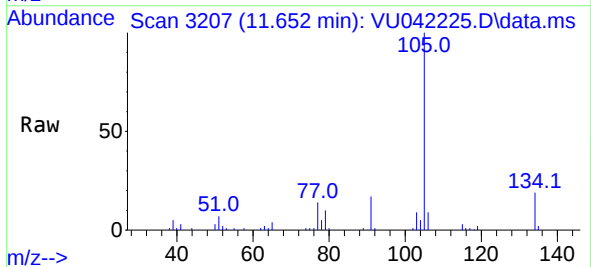
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

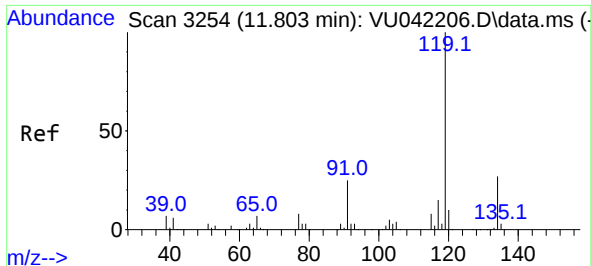
Tgt Ion:105 Resp: 65861
Ion Ratio Lower Upper
105 100
120 43.4 22.5 67.5



#79
sec-Butylbenzene
Concen: 2.13 ug/l
RT: 11.652 min Scan# 3207
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion:105 Resp: 38530
Ion Ratio Lower Upper
105 100
134 19.9 16.2 24.2

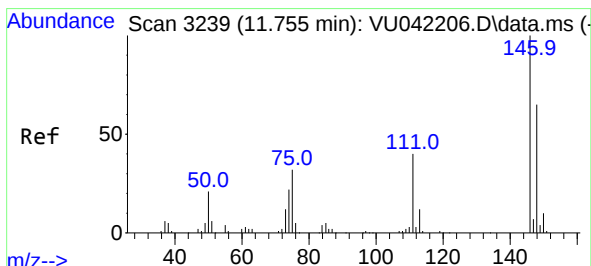
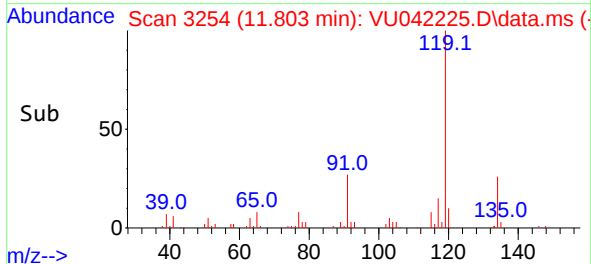
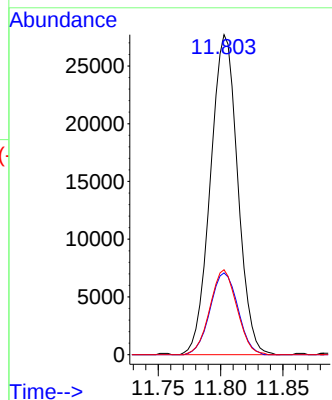
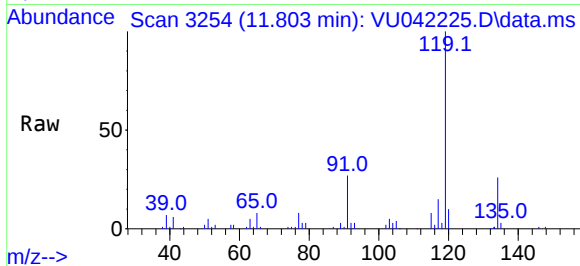




#81
p-Isopropyltoluene
Concen: 2.75 ug/l
RT: 11.803 min Scan# 3254
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

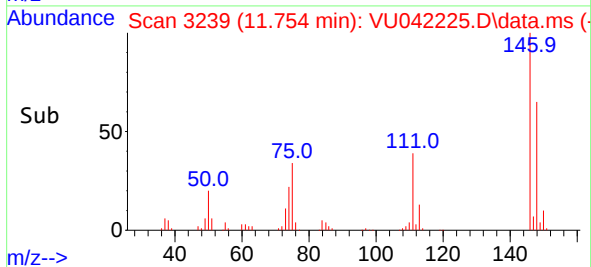
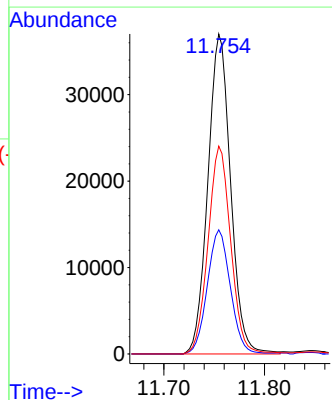
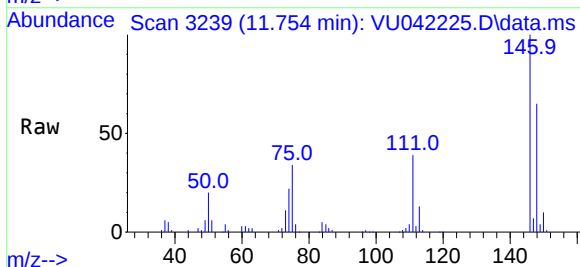
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

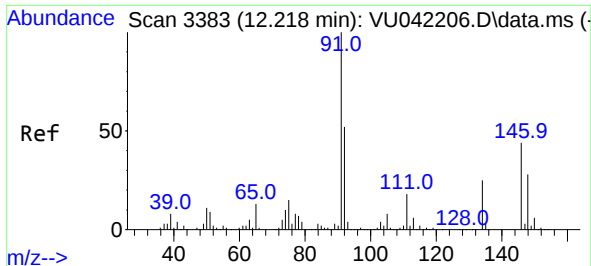
Tgt Ion:	119	Resp:	42152
Ion Ratio	Lower	Upper	
119	100		
134	26.0	21.5	32.3
91	26.3	20.2	30.4



#82
1,3-Dichlorobenzene
Concen: 7.49 ug/l
RT: 11.754 min Scan# 3239
Delta R.T. -0.001 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion:	146	Resp:	58115
Ion Ratio	Lower	Upper	
146	100		
111	39.2	32.1	48.1
148	65.0	51.5	77.3



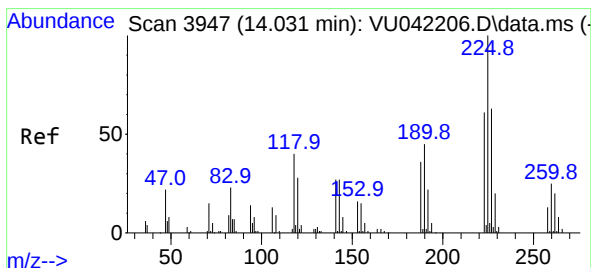
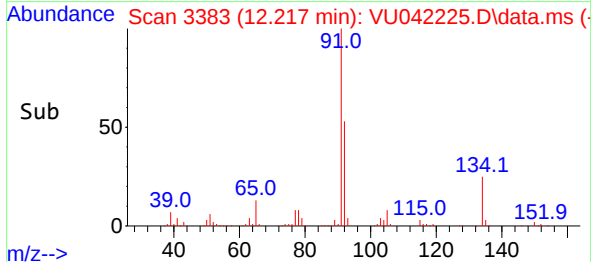
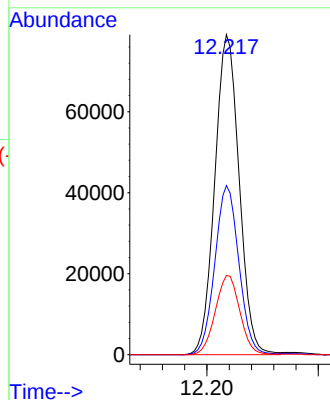
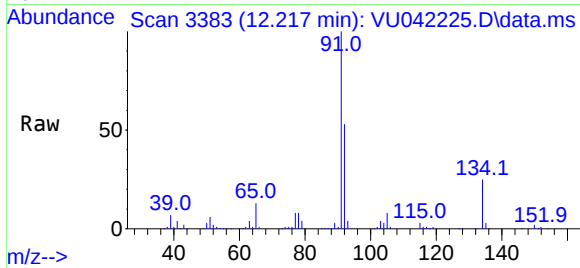


#84
n-Butylbenzene
Concen: 8.19 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. -0.001 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL

Tgt Ion: 91 Resp: 120095

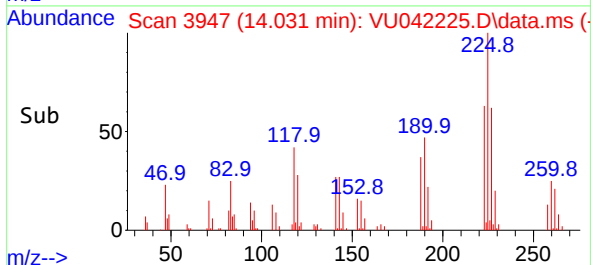
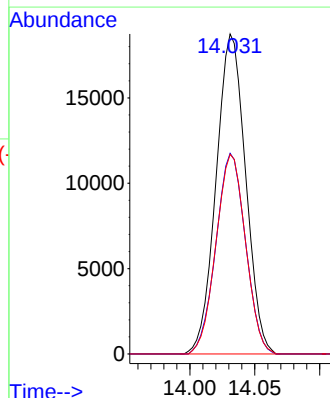
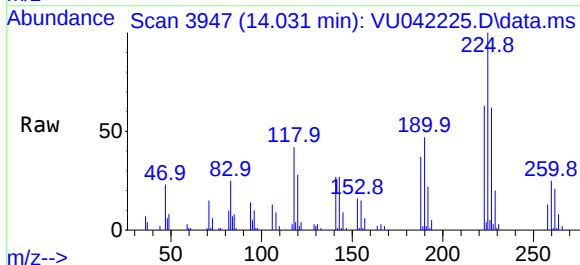
Ion	Ratio	Lower	Upper
91	100		
92	52.2	41.8	62.8
134	24.9	20.3	30.5

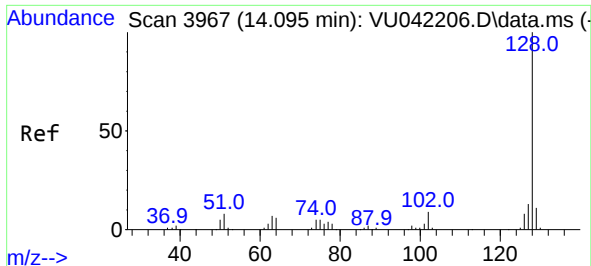


#88
Hexachlorobutadiene
Concen: 9.03 ug/l
RT: 14.031 min Scan# 3947
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion: 225 Resp: 29555

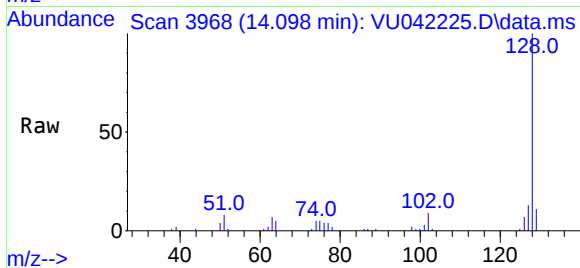
Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.8	74.6
227	62.4	50.6	76.0



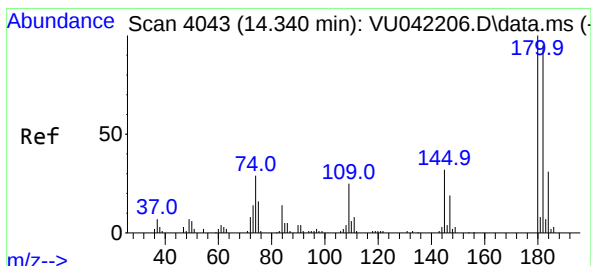
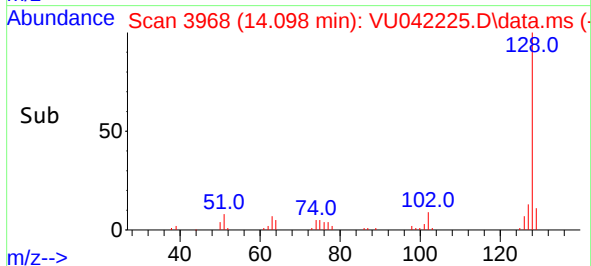
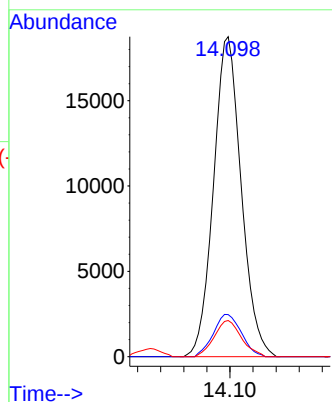


#89
Naphthalene
Concen: 2.87 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WSDL



Tgt Ion:128 Resp: 31197
Ion Ratio Lower Upper
128 100
127 13.3 11.0 16.4
129 11.1 8.9 13.3



#90
1,2,3-Trichlorobenzene
Concen: 9.98 ug/l
RT: 14.340 min Scan# 4043
Delta R.T. -0.000 min
Lab File: VU042225.D
Acq: 29 Jan 2021 17:02

Tgt Ion:180 Resp: 52774
Ion Ratio Lower Upper
180 100
182 96.1 76.5 114.7
145 30.4 25.4 38.0

