

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010722.D
 Acq On : 28 Sep 2022 17:22
 Operator : KP/MD
 Sample : N4812-01RE
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3RE

Quant Time: Sep 29 01:14:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

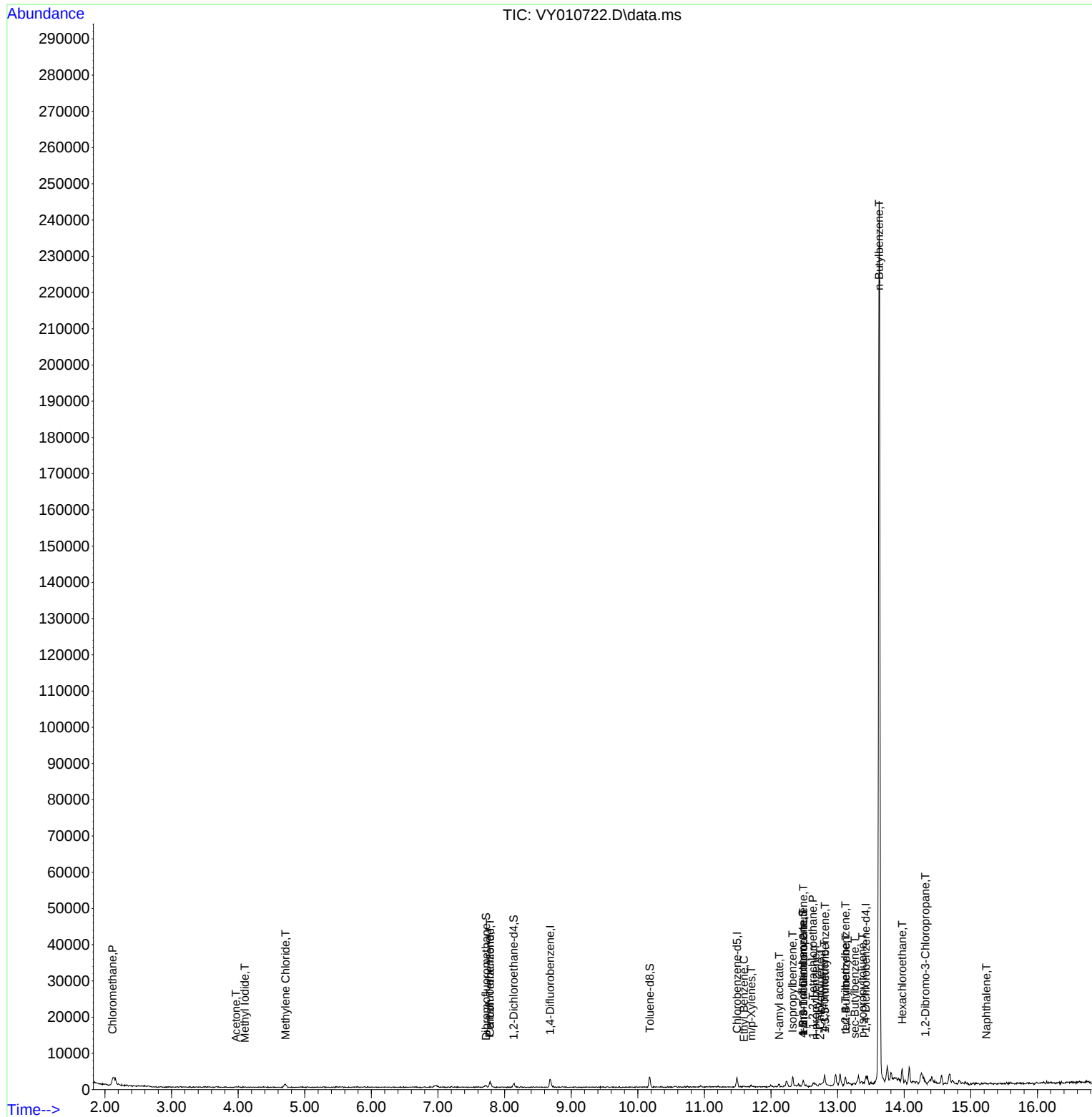
Internal Standards						
1) Pentafluorobenzene	7.777	168	1398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	2462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	1724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	425	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	901	67.382	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	134.760%		
35) Dibromofluoromethane	7.722	113	370	23.548	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	47.100%#		
50) Toluene-d8	10.179	98	2185	38.400	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	76.800%		
62) 4-Bromofluorobenzene	12.477	95	566	24.907	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	49.820%		
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	119	8.787	ug/l #	44
10) Methyl Iodide	4.101	142	61	4.776	ug/l #	35
16) Acetone	3.966	43	19	6.968	ug/l #	47
20) Methylene Chloride	4.710	84	600	38.623	ug/l #	76
38) Carbon Tetrachloride	7.783	117	62	3.080	ug/l #	11
67) Ethyl Benzene	11.593	91	222	4.241	ug/l #	44
68) m/p-Xylenes	11.703	106	139	6.854	ug/l #	62
73) Isopropylbenzene	12.325	105	1631	62.096	ug/l	96
74) N-amyl acetate	12.124	43	73	11.461	ug/l #	3
75) 1,1,2,2-Tetrachloroethane	12.630	83	32	5.979	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	282	69.521	ug/l #	100
78) n-propylbenzene	12.666	91	885	28.287	ug/l	80
79) 2-Chlorotoluene	12.739	91	108	6.058	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.812	105	880	39.652	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.483	75	282	154.575	ug/l #	7
82) 4-Chlorotoluene	12.800	91	66	3.585	ug/l #	41
83) tert-Butylbenzene	13.123	119	214	10.782	ug/l #	79
84) 1,2,4-Trimethylbenzene	13.117	105	1232	55.878	ug/l	92
85) sec-Butylbenzene	13.257	105	98	3.371	ug/l #	56
86) p-Isopropyltoluene	13.373	119	148	6.093	ug/l #	50
89) n-Butylbenzene	13.623	91	18308	820.993	ug/l #	42
90) Hexachloroethane	13.971	117	265	56.818	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.318	75	19	21.273	ug/l #	6
95) Naphthalene	15.233	128	235	16.920	ug/l #	69

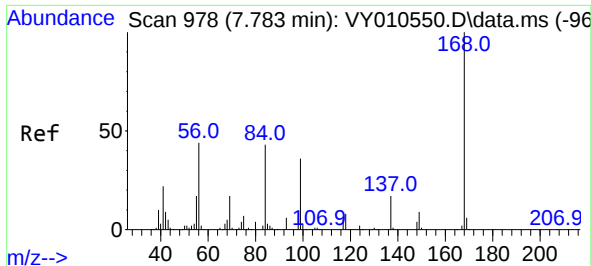
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 20 01:02:44 2022
Response via : Initial Calibration

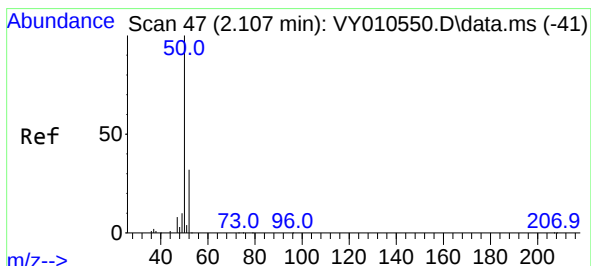
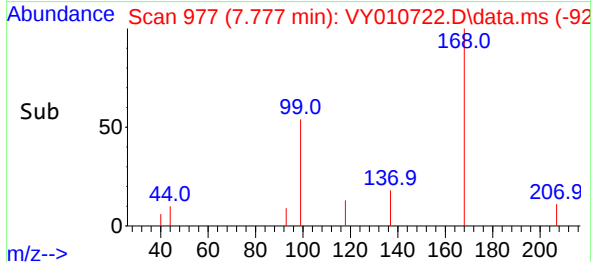
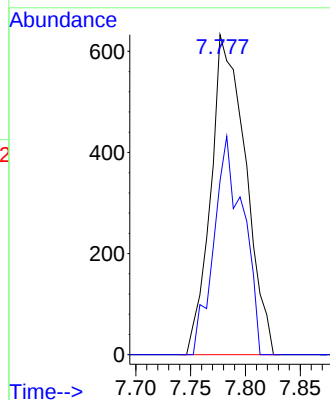
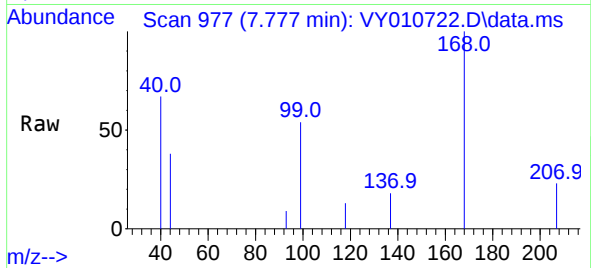




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

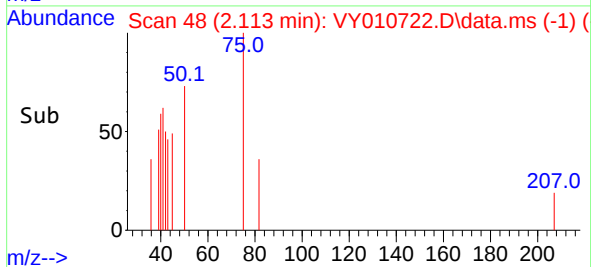
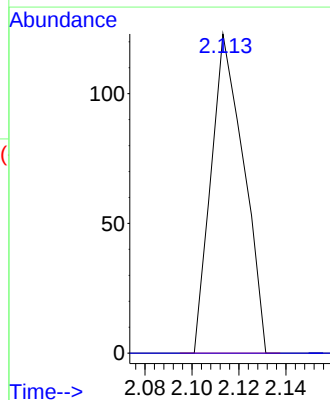
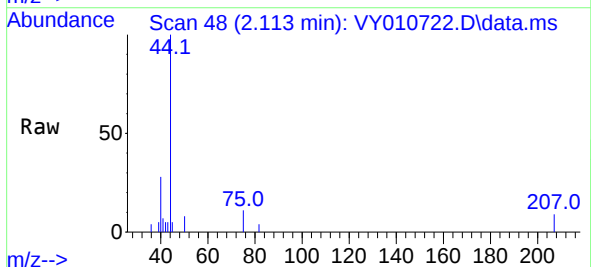
Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

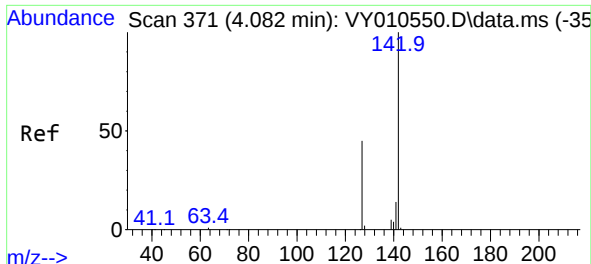
Tgt Ion:168 Resp: 1398
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#3
Chloromethane
Concen: 8.787 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion: 50 Resp: 119
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

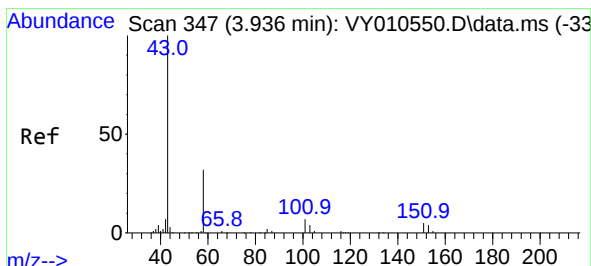
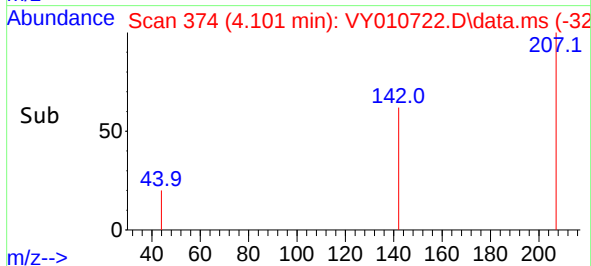
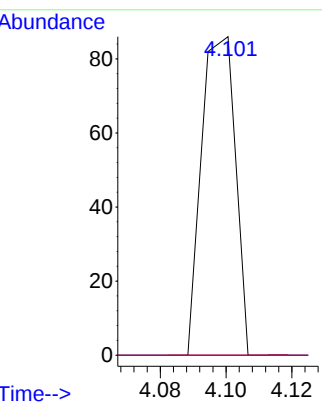
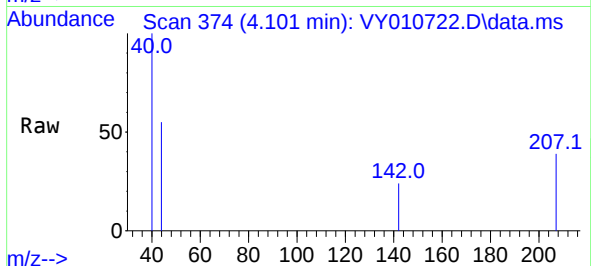




#10
Methyl Iodide
Concen: 4.776 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

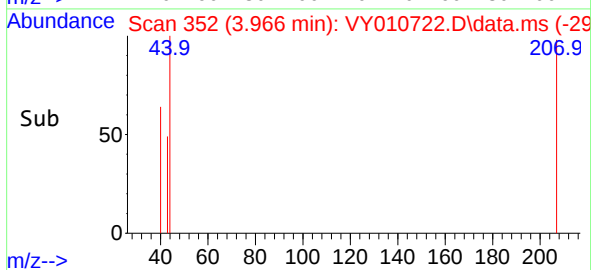
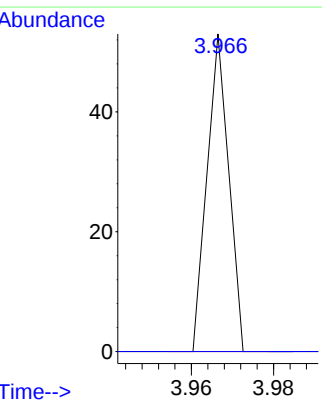
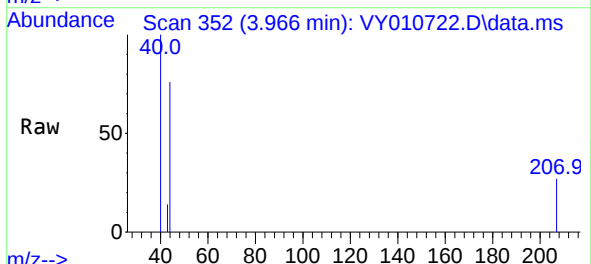
Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

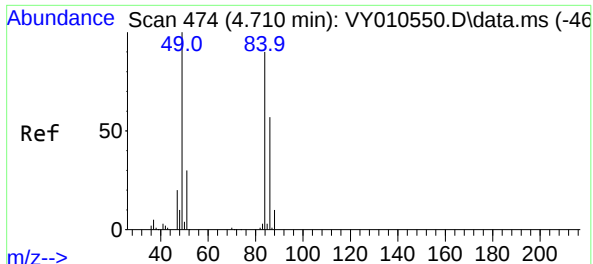
Tgt Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 6.968 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.030 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



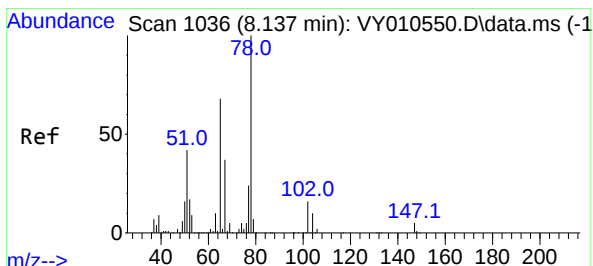
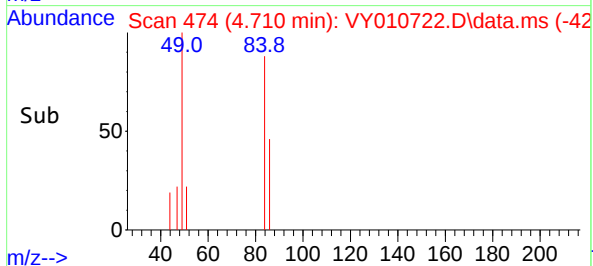
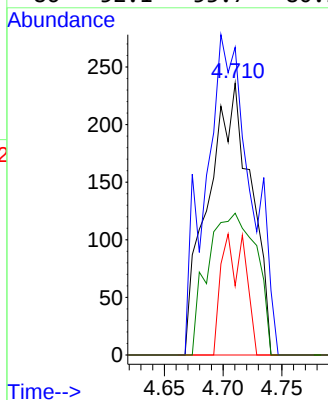
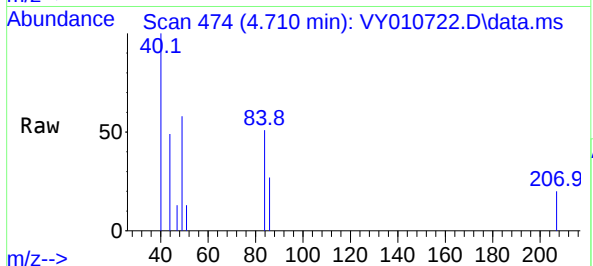


#20
Methylene Chloride
Concen: 38.623 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

Tgt Ion: 84 Resp: 600

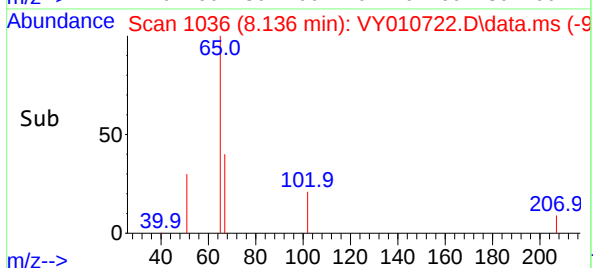
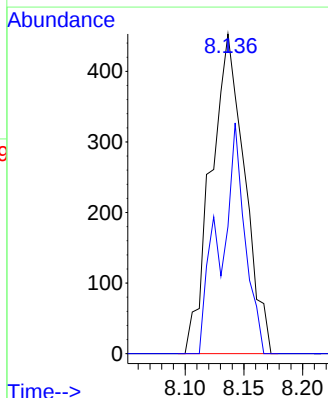
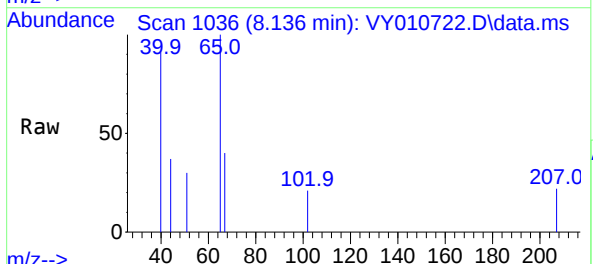
Ion	Ratio	Lower	Upper
84	100		
49	113.1	114.4	171.6#
51	25.4	35.3	52.9#
86	52.1	53.7	80.5#

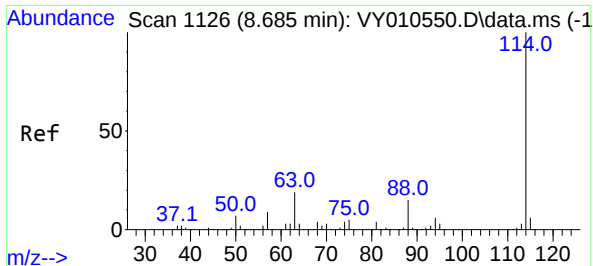


#33
1,2-Dichloroethane-d4
Concen: 67.382 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion: 65 Resp: 901

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	99.4

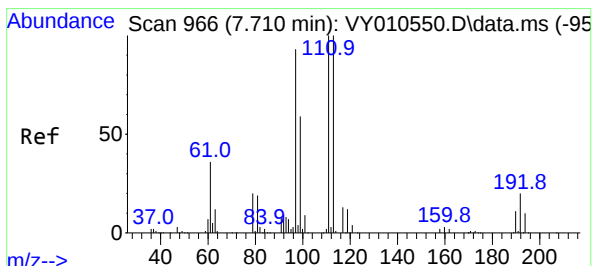
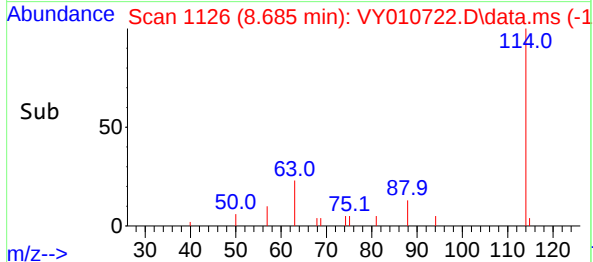
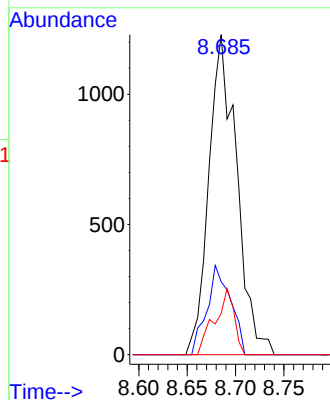
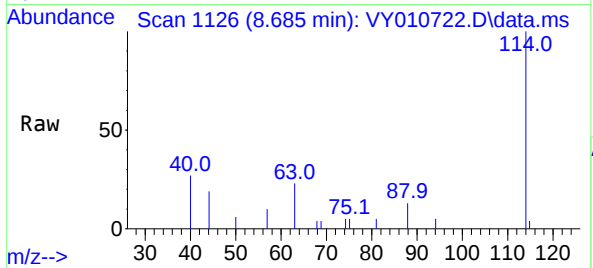




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

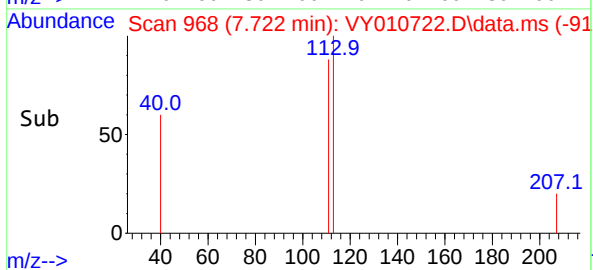
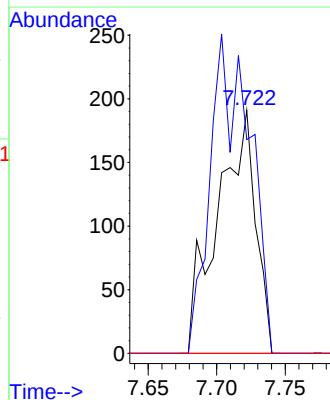
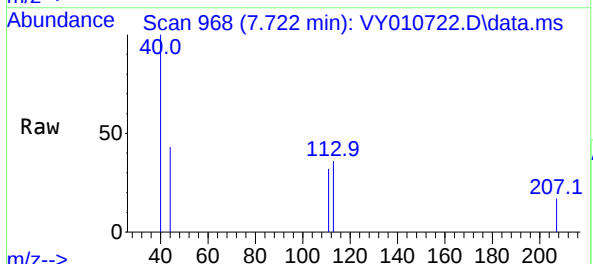
Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

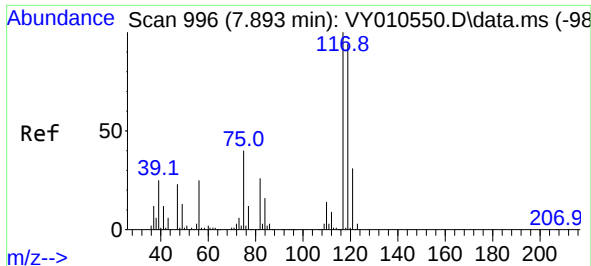
Tgt Ion:114	Resp:	2462
Ion	Ratio	Lower Upper
114	100	
63	22.8	0.0 43.2
88	12.9	0.0 31.8



#35
Dibromofluoromethane
Concen: 23.548 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.012 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion:113	Resp:	370
Ion	Ratio	Lower Upper
113	100	
111	136.5	82.6 124.0#
192	0.0	17.6 26.4#

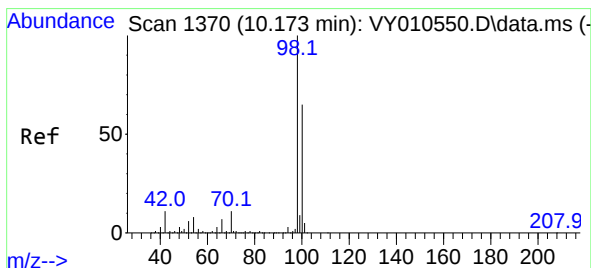
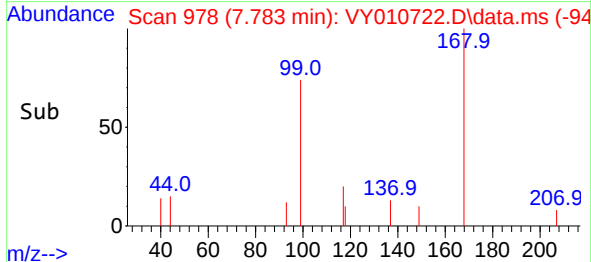
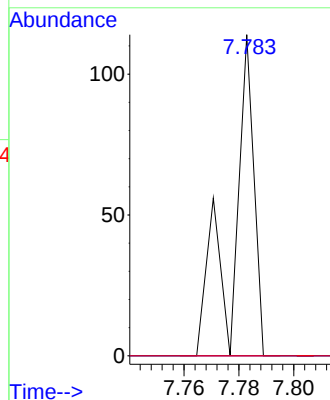
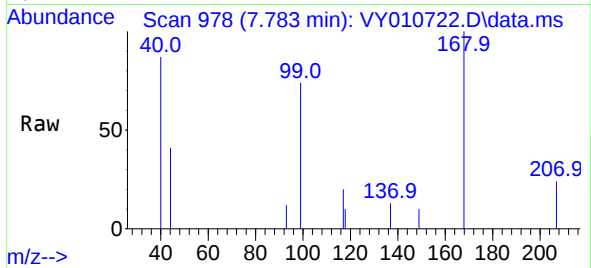




#38
Carbon Tetrachloride
Concen: 3.080 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

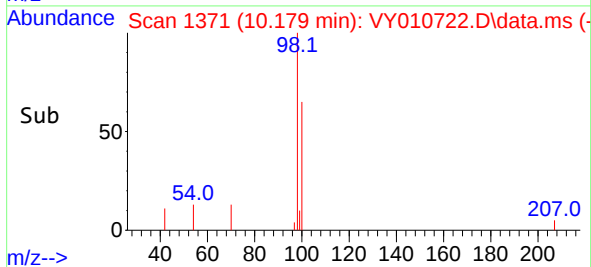
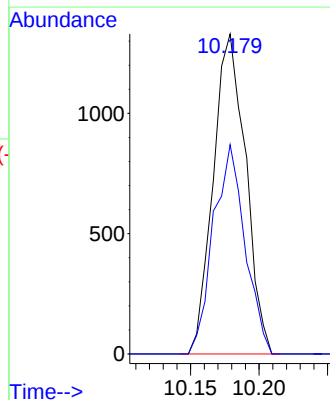
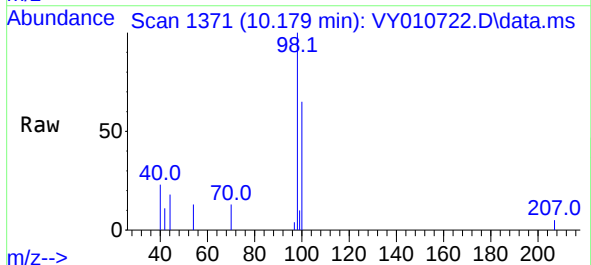
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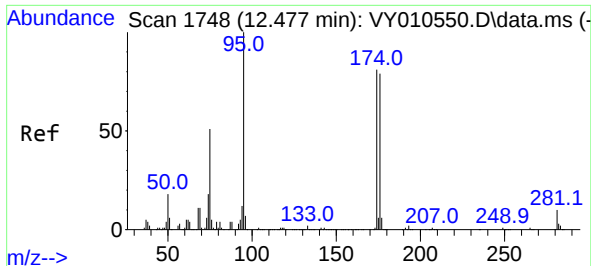
Tgt Ion:117 Resp: 62
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 38.400 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion: 98 Resp: 2185
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2

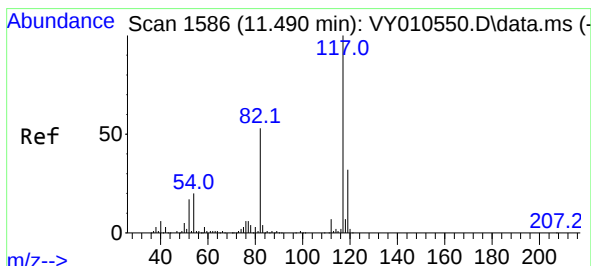
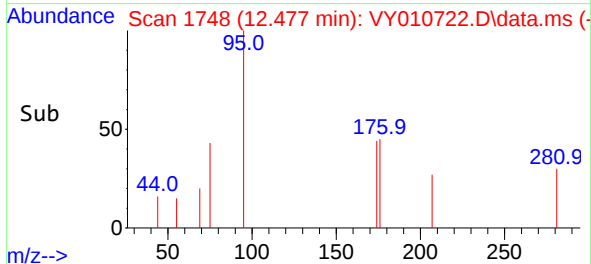
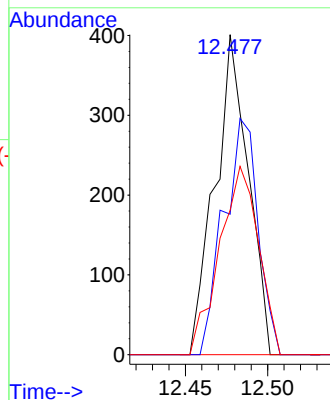
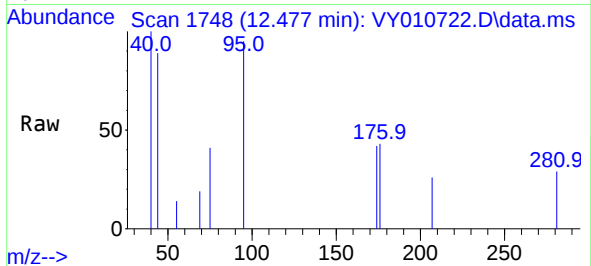




#62
4-Bromofluorobenzene
Concen: 24.907 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

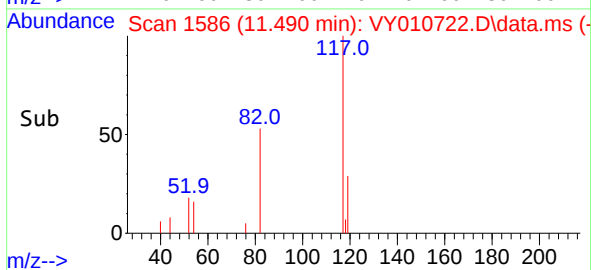
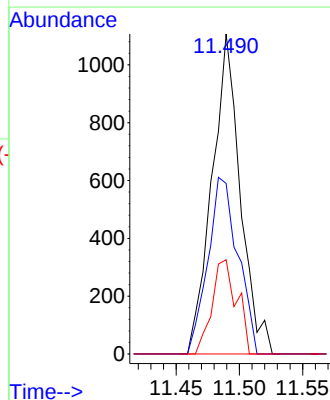
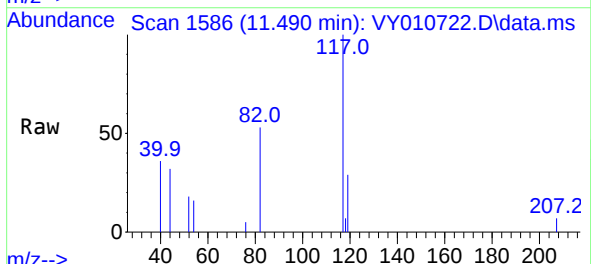
Instrument :
MSVOA_Y
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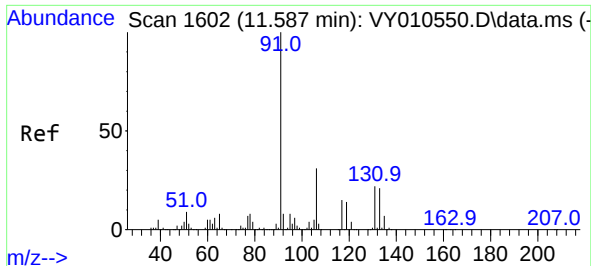
Tgt Ion:	95	Resp:	566
Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	177.0
176	68.7	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion:	117	Resp:	1724
Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.0	64.4
119	29.4	25.4	38.0





#67

Ethyl Benzene

Concen: 4.241 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY010722.D

Acq: 28 Sep 2022 17:22

Instrument :

MSVOA_Y

ClientSampleId :

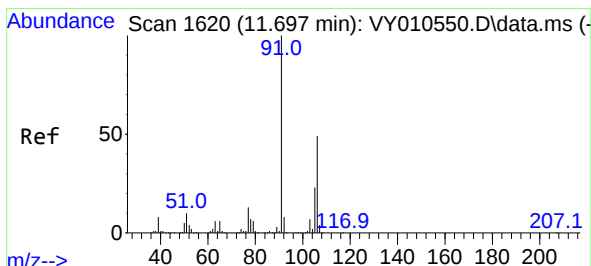
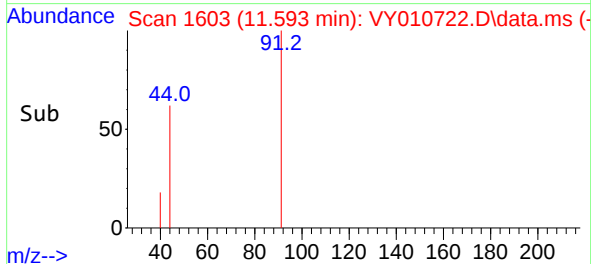
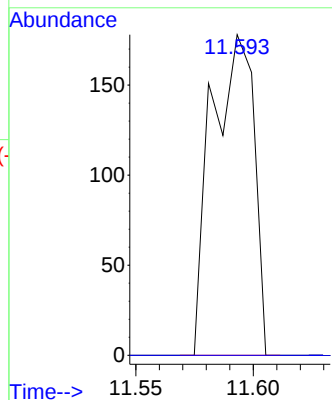
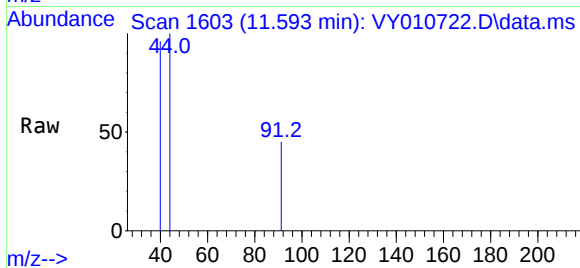
WC-3RE

Tgt Ion: 91 Resp: 222

Ion Ratio Lower Upper

91 100

106 0.0 24.5 36.7#



#68

m/p-Xylenes

Concen: 6.854 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY010722.D

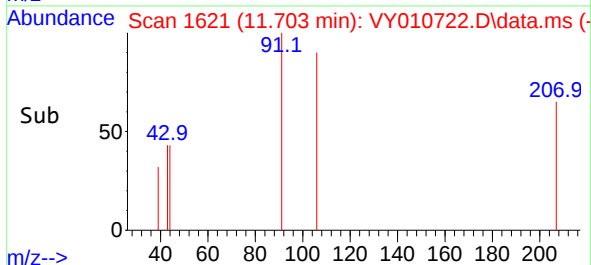
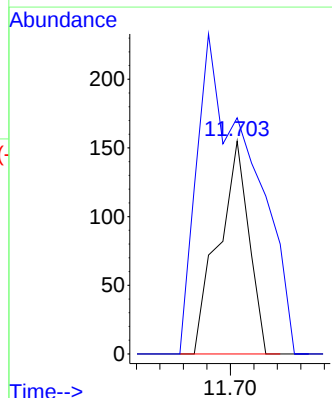
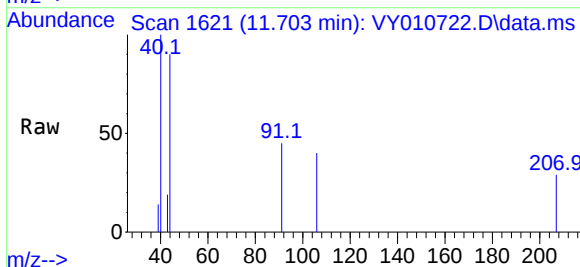
Acq: 28 Sep 2022 17:22

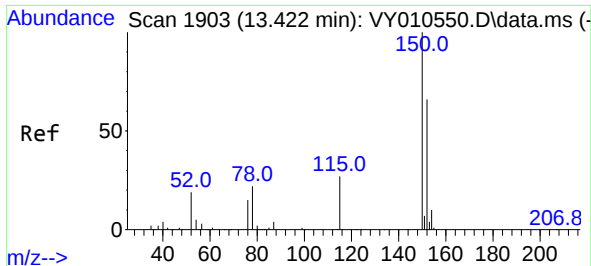
Tgt Ion: 106 Resp: 139

Ion Ratio Lower Upper

106 100

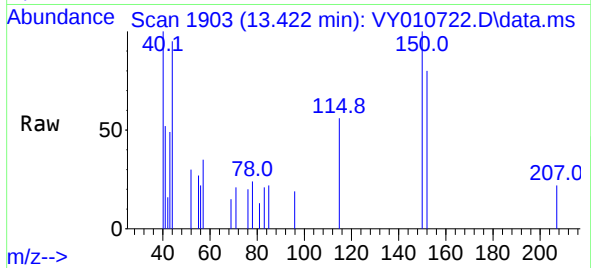
91 266.9 166.6 249.8#



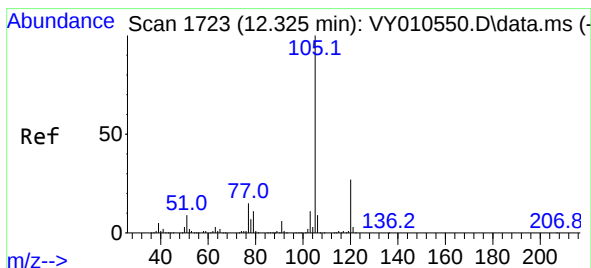
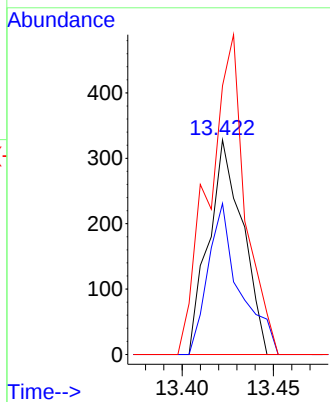
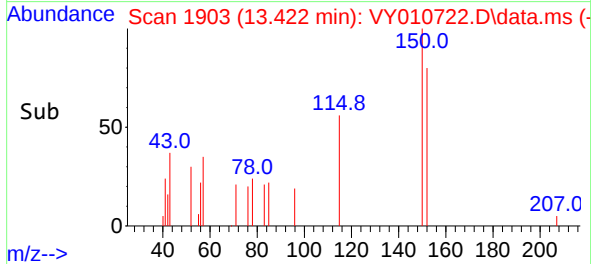


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

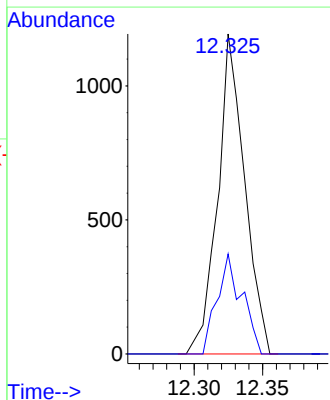
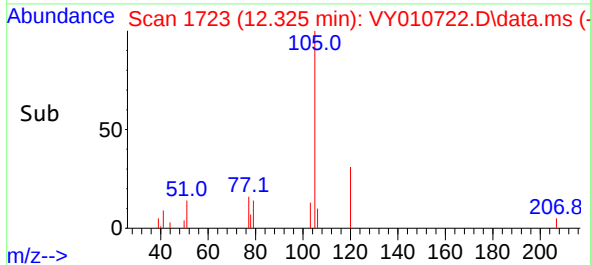
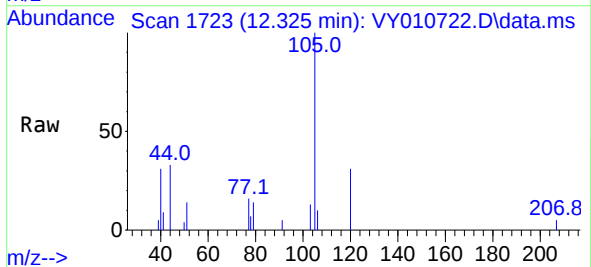


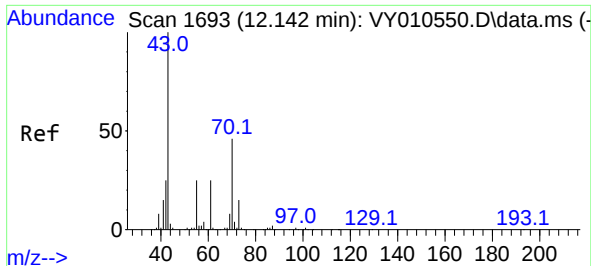
Tgt Ion:152 Resp: 425
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 160.2 0.0 347.6



#73
Isopropylbenzene
Concen: 62.096 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion:105 Resp: 1631
Ion Ratio Lower Upper
105 100
120 28.8 13.4 40.2

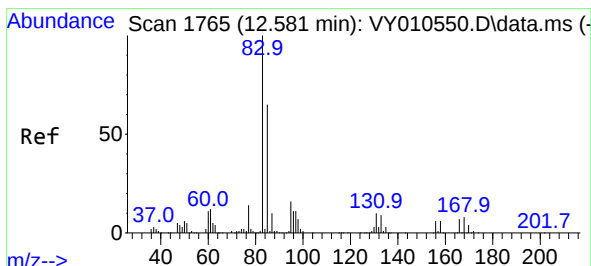
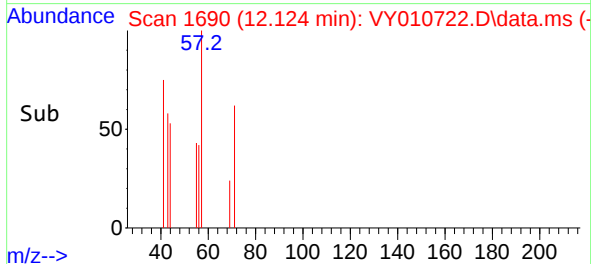
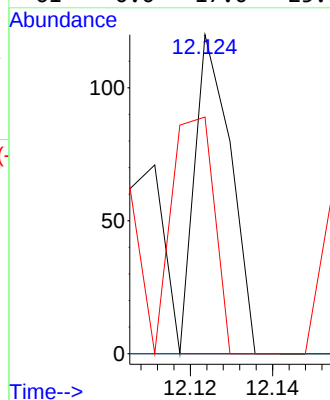
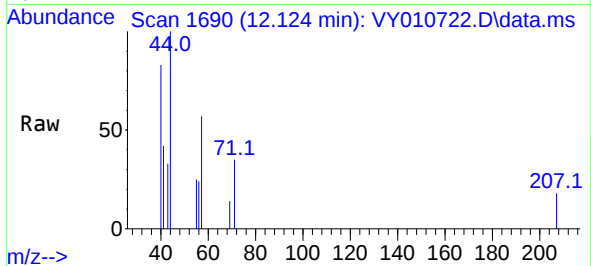




#74
N-amy1 acetate
Concen: 11.461 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

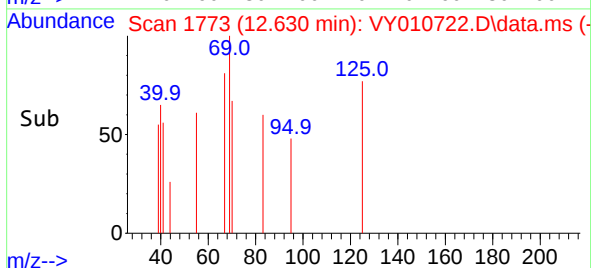
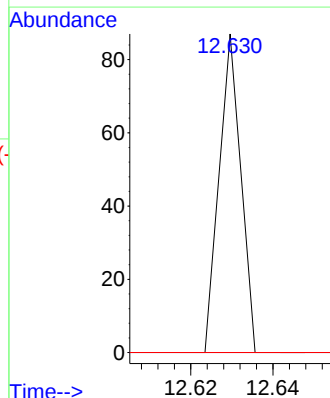
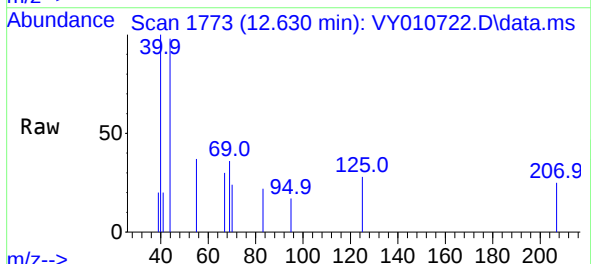
Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

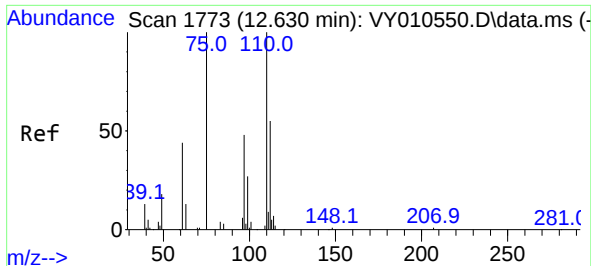
Tgt Ion: 43	Resp: 73
Ion Ratio	Lower Upper
43 100	
70 0.0	28.7 43.1#
55 119.2	17.3 25.9#
61 0.0	17.0 25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 5.979 ug/l
RT: 12.630 min Scan# 1773
Delta R.T. 0.049 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion: 83	Resp: 32
Ion Ratio	Lower Upper
83 100	
131 0.0	5.6 16.8#
85 0.0	32.3 96.8#

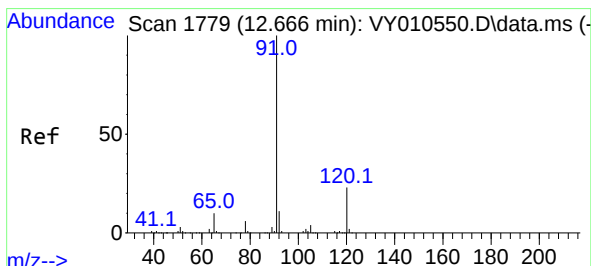
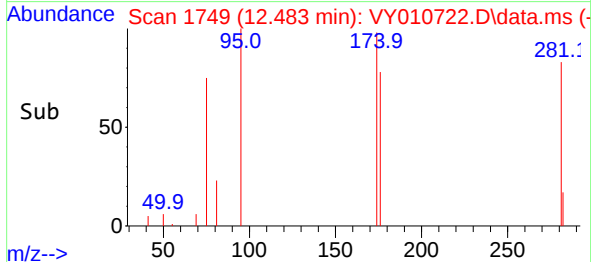
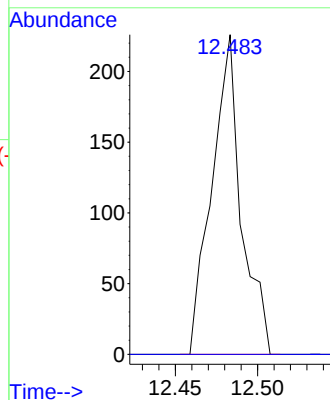
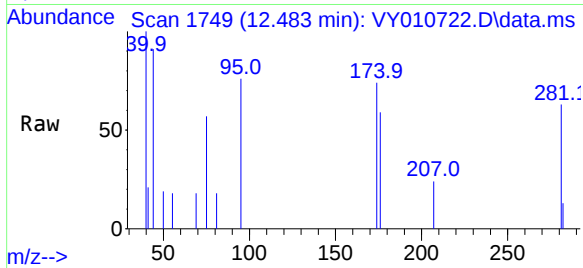




#76
1,2,3-Trichloropropane
Concen: 69.521 ug/l
RT: 12.483 min Scan# 1773
Delta R.T. -0.147 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

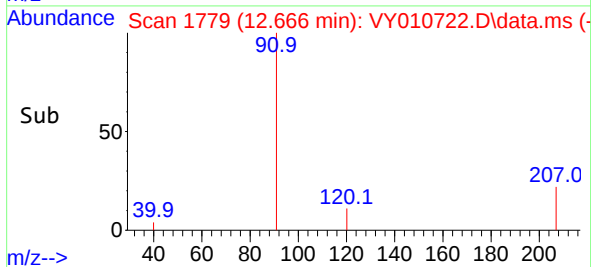
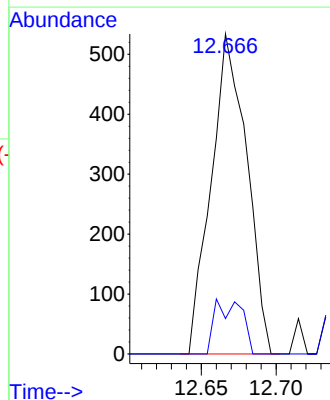
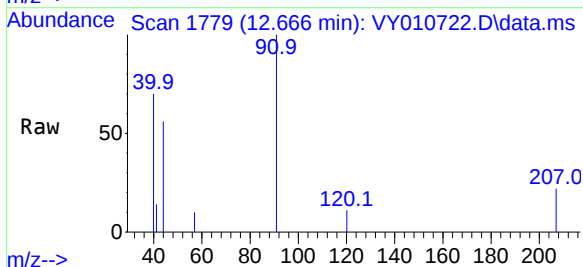
Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

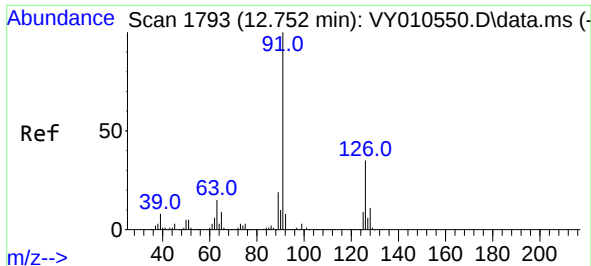
Tgt Ion: 75 Resp: 282
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 28.287 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion: 91 Resp: 885
Ion Ratio Lower Upper
91 100
120 12.9 11.3 33.9

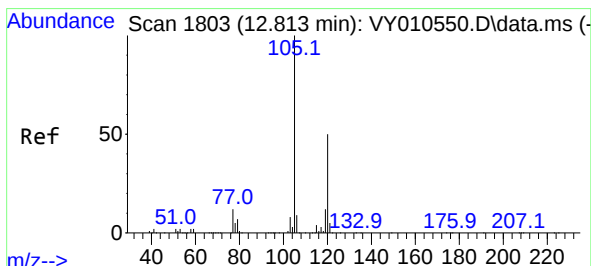
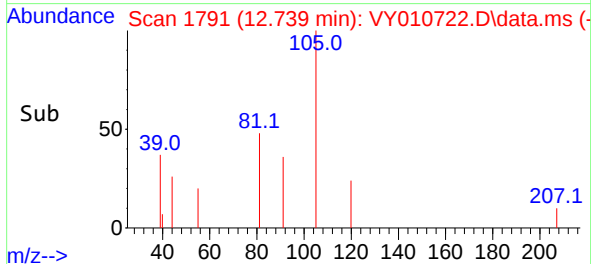
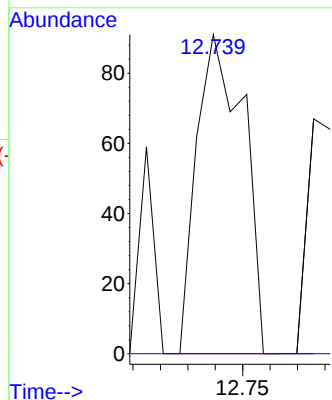
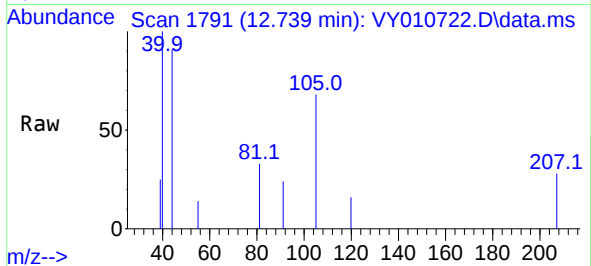




#79
2-Chlorotoluene
Concen: 6.058 ug/l
RT: 12.739 min Scan# 11
Delta R.T. -0.013 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

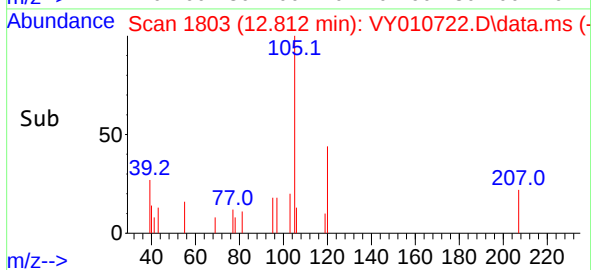
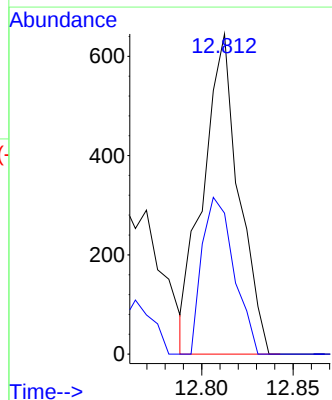
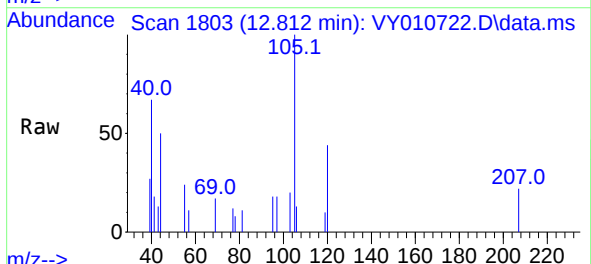
Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

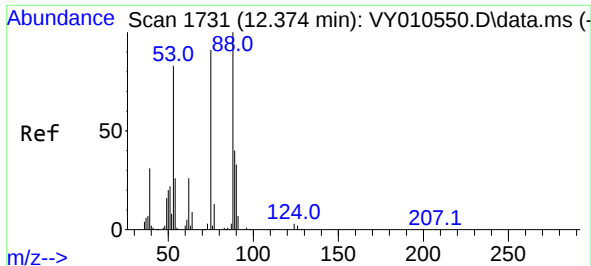
Tgt Ion: 91 Resp: 108
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#80
1,3,5-Trimethylbenzene
Concen: 39.652 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.001 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion: 105 Resp: 880
Ion Ratio Lower Upper
105 100
120 43.8 24.4 73.4

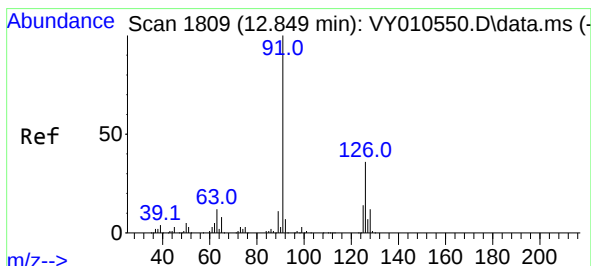
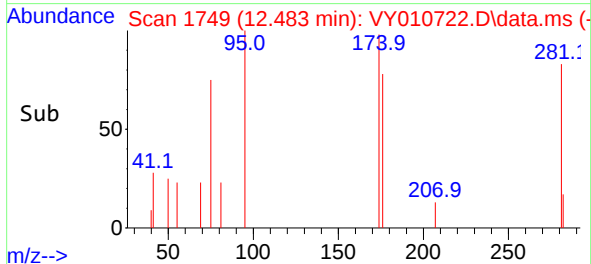
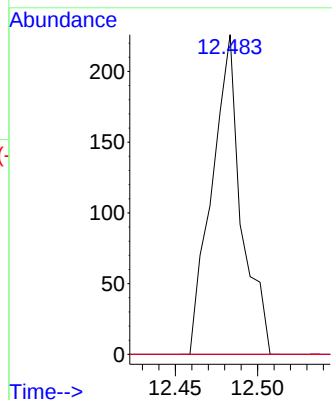
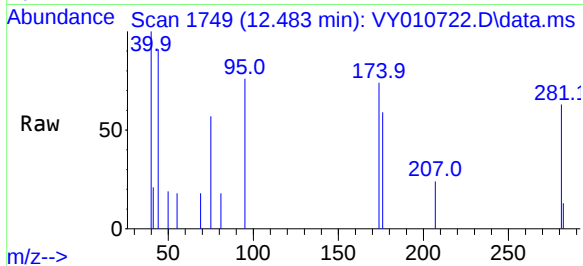




#81
trans-1,4-Dichloro-2-butene
Concen: 154.575 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

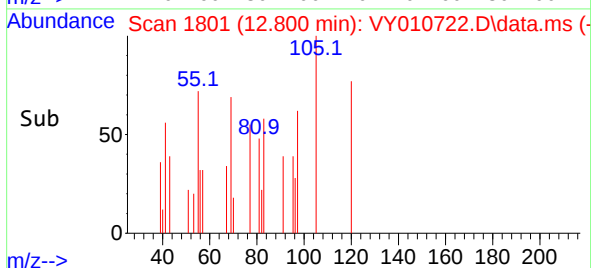
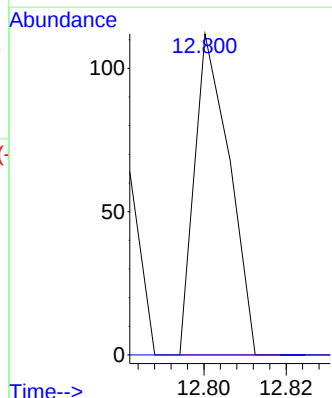
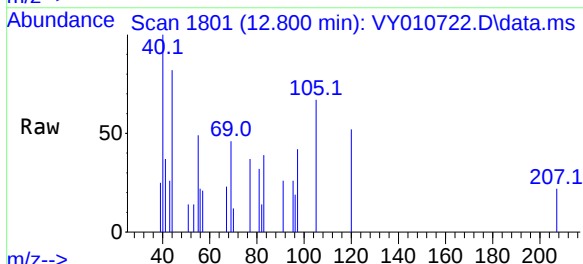
Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

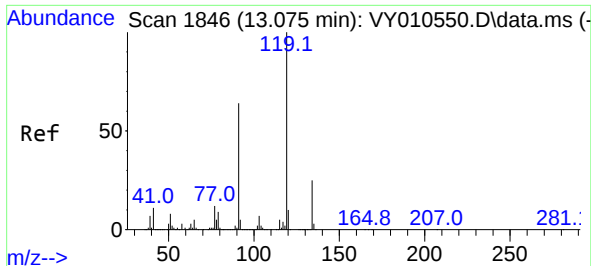
Tgt Ion: 75 Resp: 282
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#82
4-Chlorotoluene
Concen: 3.585 ug/l
RT: 12.800 min Scan# 1801
Delta R.T. -0.049 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion: 91 Resp: 66
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#

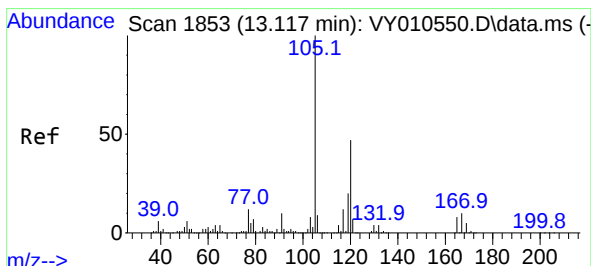
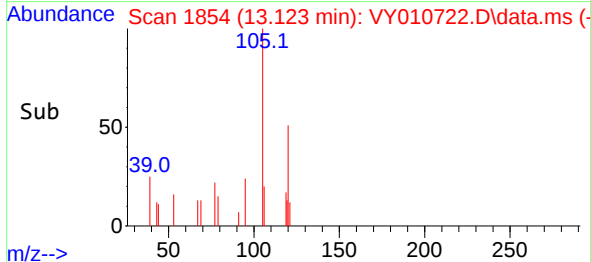
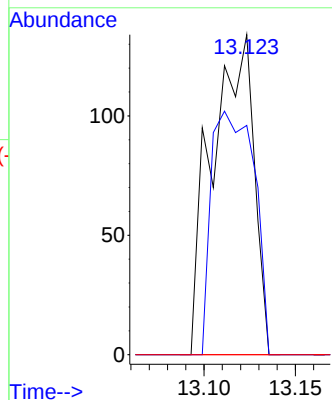
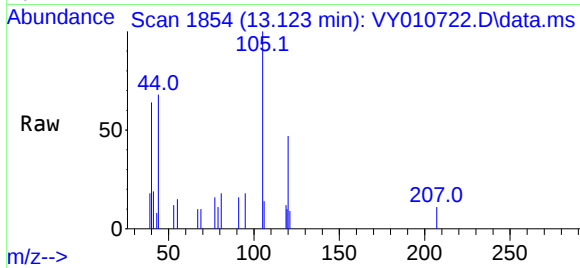




#83
tert-Butylbenzene
Concen: 10.782 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.048 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

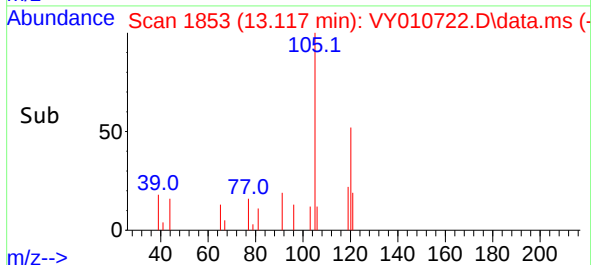
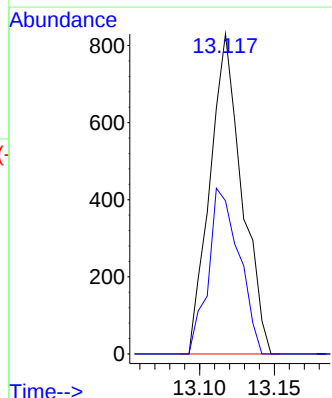
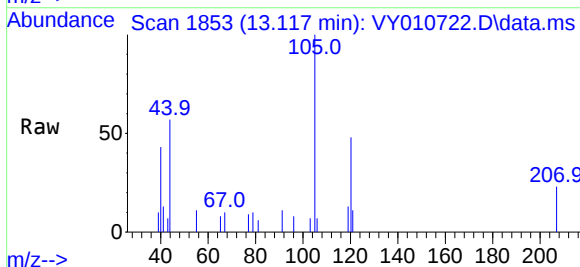
Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

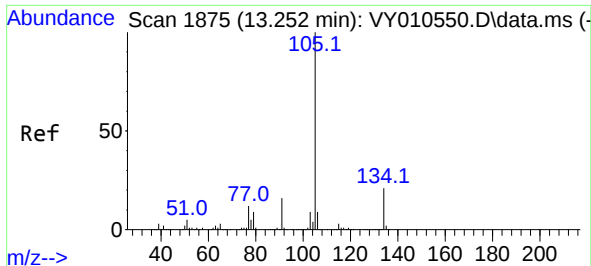
Tgt Ion:	119	Resp:	214
Ion	Ratio	Lower	Upper
119	100		
91	77.6	34.8	104.4
134	0.0	13.3	39.9#



#84
1,2,4-Trimethylbenzene
Concen: 55.878 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion:	105	Resp:	1232
Ion	Ratio	Lower	Upper
105	100		
120	50.0	22.3	66.9

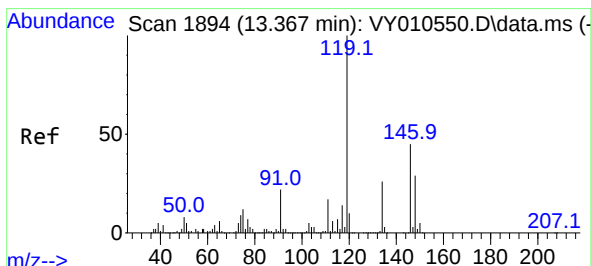
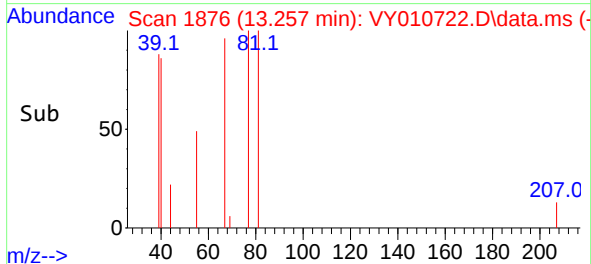
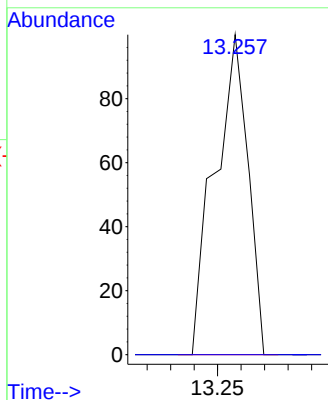
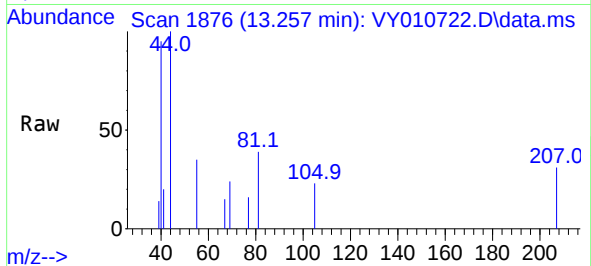




#85
 sec-Butylbenzene
 Concen: 3.371 ug/l
 RT: 13.257 min Scan# 1875
 Delta R.T. 0.005 min
 Lab File: VY010722.D
 Acq: 28 Sep 2022 17:22

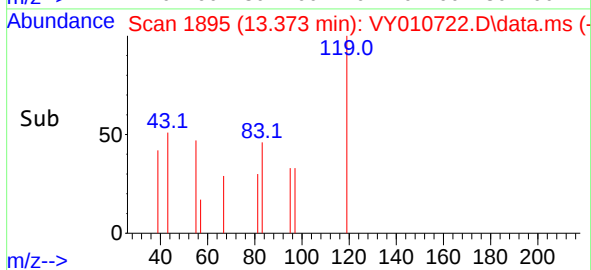
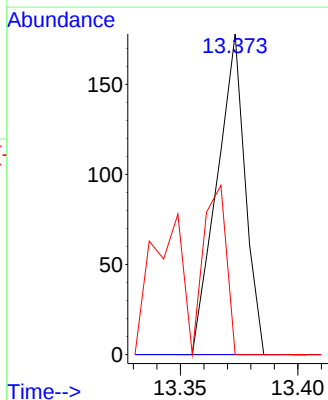
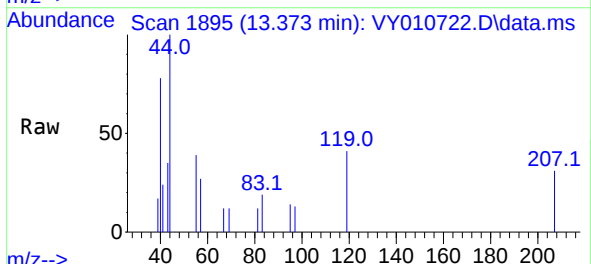
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3RE

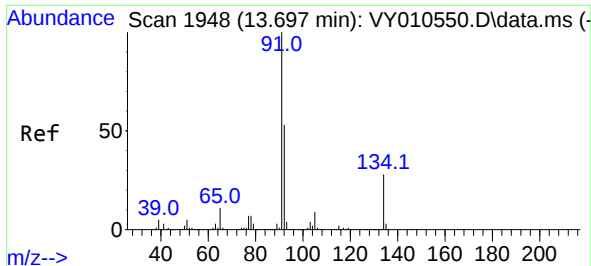
Tgt Ion:105 Resp: 98
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 6.093 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY010722.D
 Acq: 28 Sep 2022 17:22

Tgt Ion:119 Resp: 148
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.2 39.5#
 91 0.0 12.4 37.2#

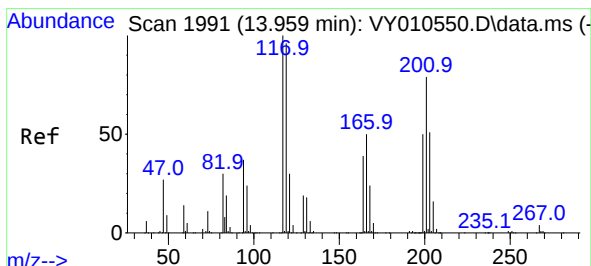
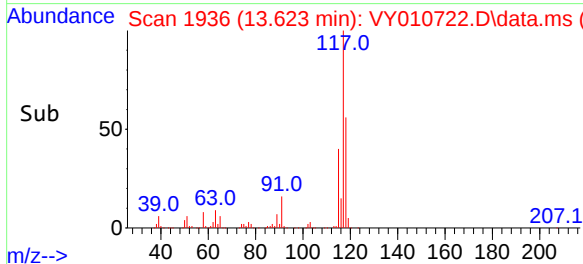
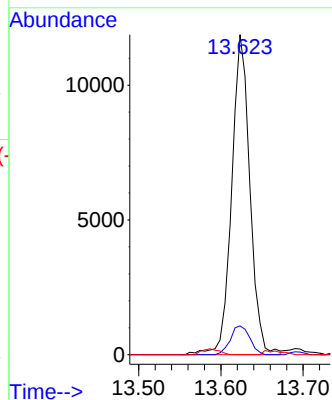
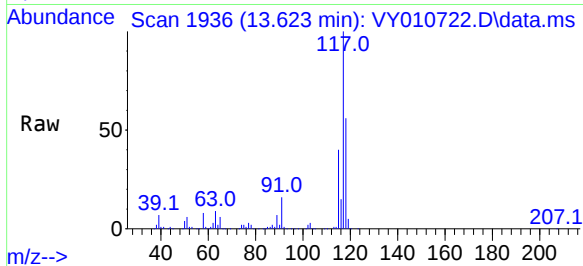




#89
n-Butylbenzene
Concen: 820.993 ug/l
RT: 13.623 min Scan# 1936
Delta R.T. -0.074 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

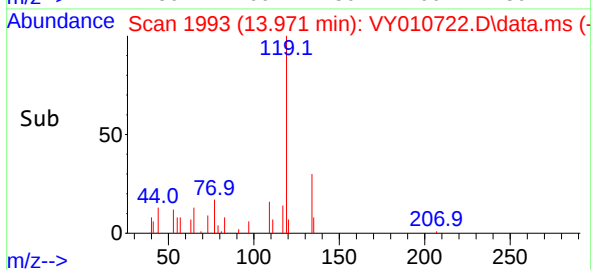
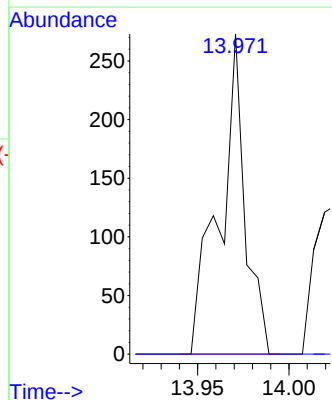
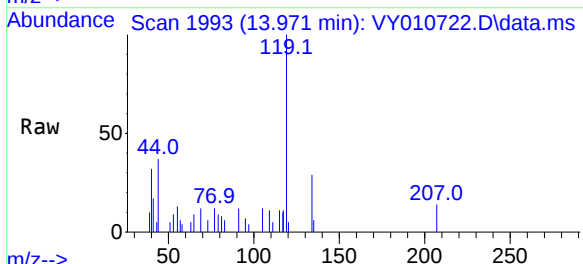
Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

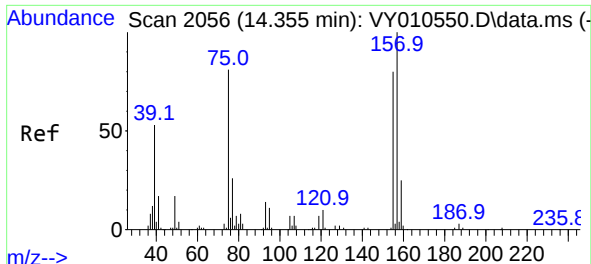
Tgt Ion: 91 Resp: 18308
Ion Ratio Lower Upper
91 100
92 9.5 26.3 78.9#
134 0.0 13.0 38.9#



#90
Hexachloroethane
Concen: 56.818 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion: 117 Resp: 265
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#

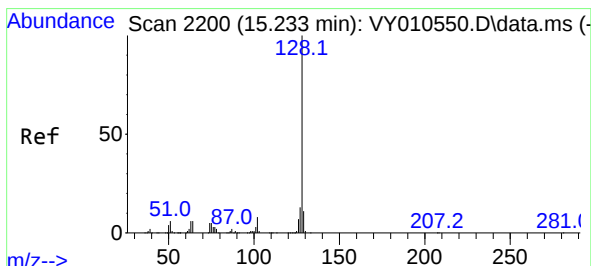
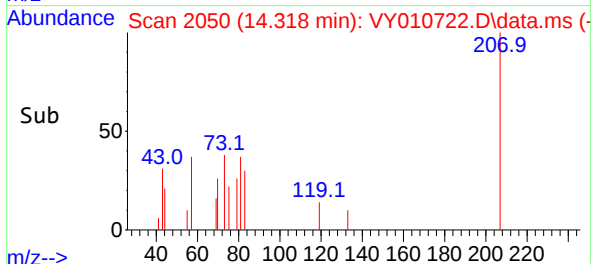
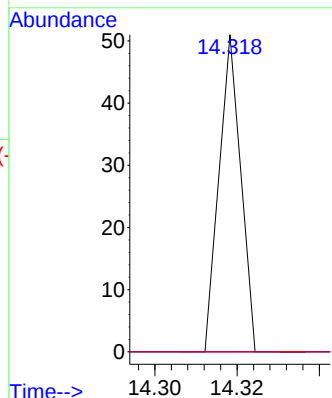
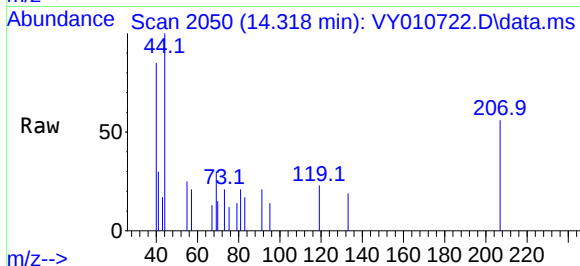




#92
1,2-Dibromo-3-Chloropropane
Concen: 21.273 ug/l
RT: 14.318 min Scan# 2056
Delta R.T. -0.037 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Instrument :
MSVOA_Y
ClientSampleId :
WC-3RE

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#



#95
Naphthalene
Concen: 16.920 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010722.D
Acq: 28 Sep 2022 17:22

Tgt Ion: 128 Resp: 235
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

