

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010642.D
 Acq On : 23 Sep 2022 12:39
 Operator : KP/MD
 Sample : N4723-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-29-6.5-7.0

Quant Time: Sep 24 01:20:37 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)

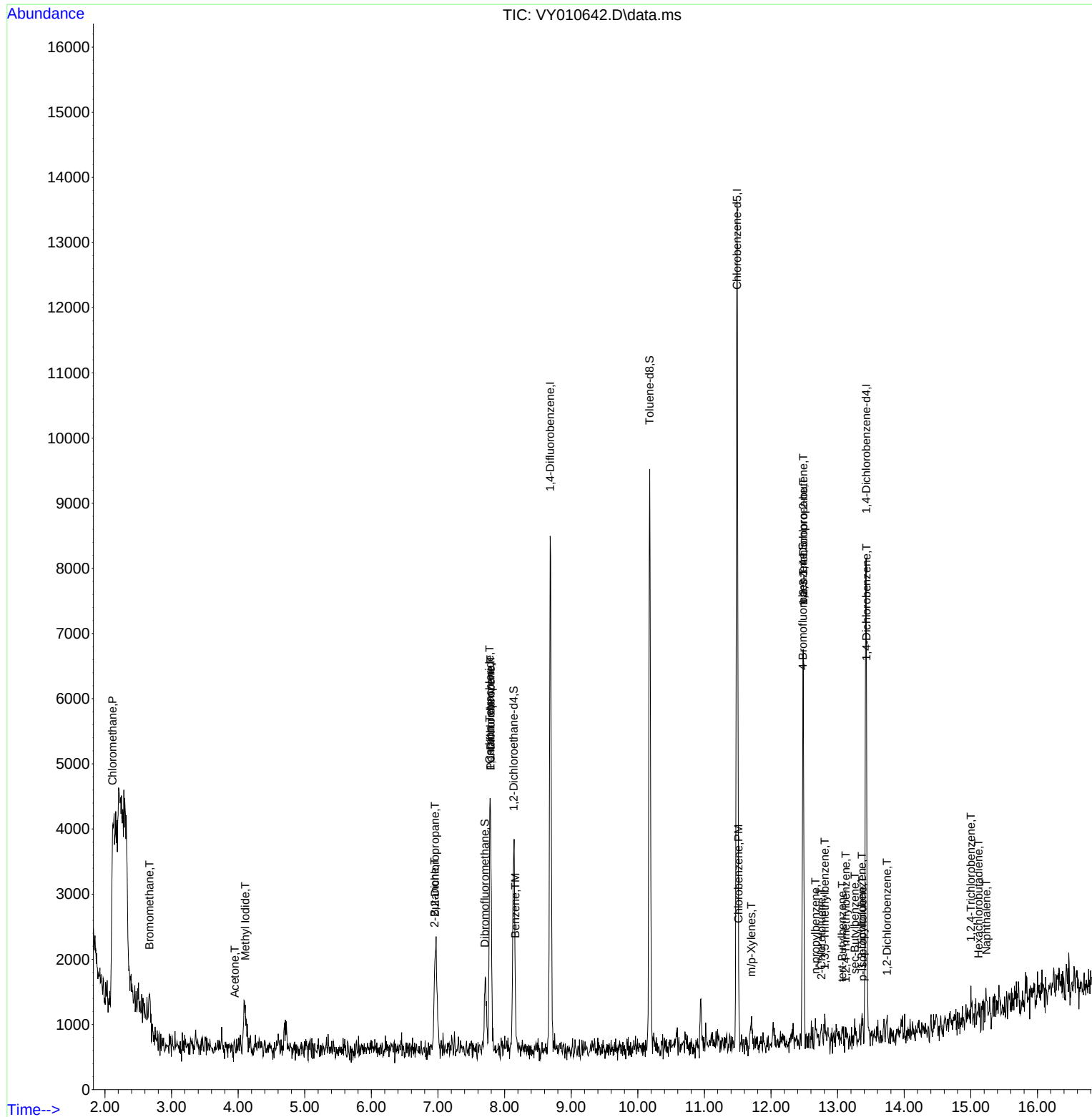
Internal Standards						
1) Pentafluorobenzene	7.789	168	3506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	6707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	7333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2542	75.804	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	151.600%		
35) Dibromofluoromethane	7.704	113	931	21.750	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	43.500%#		
50) Toluene-d8	10.179	98	6227	40.027	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	80.060%		
62) 4-Bromofluorobenzene	12.477	95	1831	30.113	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	60.220%		
Target Compounds						Qvalue
3) Chloromethane	2.113	50	388	12.905	ug/l #	74
4) Vinyl Chloride	2.290	62	39	Below Cal	#	43
5) Bromomethane	2.668	94	452	18.443	ug/l #	76
10) Methyl Iodide	4.107	142	1316	41.087	ug/l #	85
16) Acetone	3.948	43	158	23.105	ug/l #	47
20) Methylene Chloride	4.698	84	135	Below Cal	#	46
25) 2-Butanone	6.948	43	20	1.870	ug/l #	54
26) 2,2-Dichloropropane	6.954	77	79	1.554	ug/l #	55
36) 1,1-Dichloropropene	7.789	75	249	5.221	ug/l #	42
38) Carbon Tetrachloride	7.777	117	245	4.468	ug/l #	11
40) Benzene	8.161	78	283	1.990	ug/l #	50
65) Chlorobenzene	11.514	112	157	1.238	ug/l #	42
68) m/p-Xylenes	11.703	106	105	1.217	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	1057	51.969	ug/l #	100
78) n-propylbenzene	12.666	91	285	1.817	ug/l	81
79) 2-Chlorotoluene	12.758	91	189	2.114	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.806	105	145	1.303	ug/l #	56
81) trans-1,4-Dichloro-2-b...	12.483	75	1057	115.550	ug/l #	7
83) tert-Butylbenzene	13.069	119	192	1.929	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.123	105	148	1.339	ug/l #	31
85) sec-Butylbenzene	13.258	105	303	2.079	ug/l #	56
86) p-Isopropyltoluene	13.373	119	206	1.691	ug/l #	50
87) 1,3-Dichlorobenzene	13.367	146	217	3.412	ug/l #	62
88) 1,4-Dichlorobenzene	13.434	146	215	3.415	ug/l #	66
91) 1,2-Dichlorobenzene	13.739	146	93	1.641	ug/l #	55
93) 1,2,4-Trichlorobenzene	15.001	180	78	2.257	ug/l #	38
94) Hexachlorobutadiene	15.117	225	26	1.238	ug/l #	19
95) Naphthalene	15.233	128	268	3.848	ug/l #	69

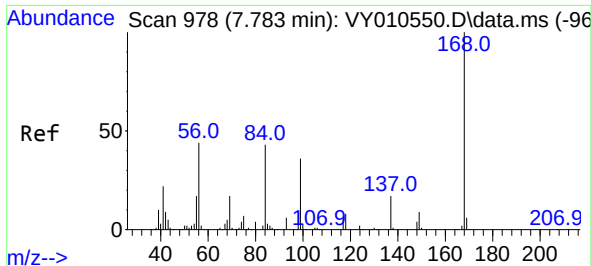
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
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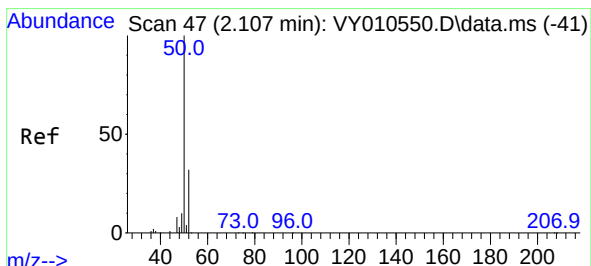
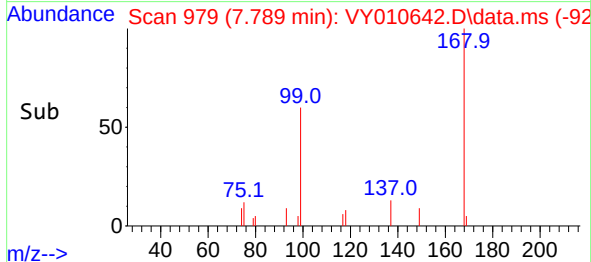
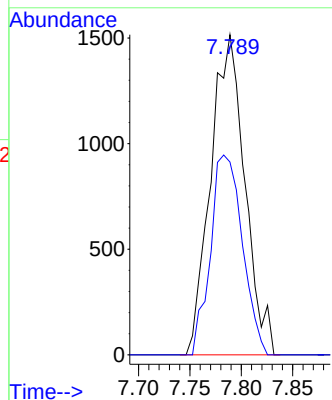
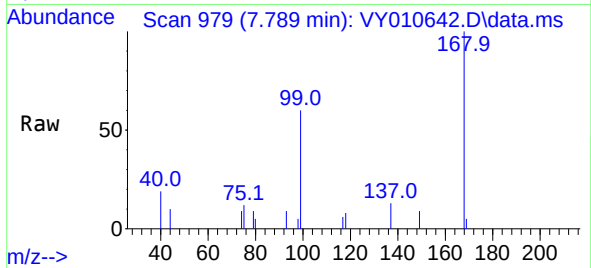




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

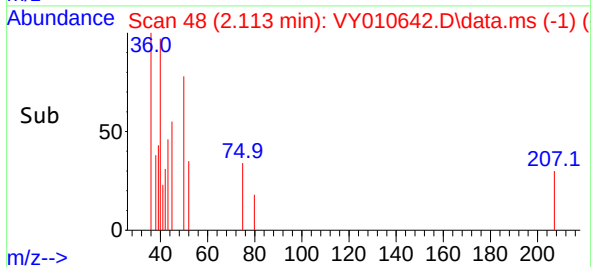
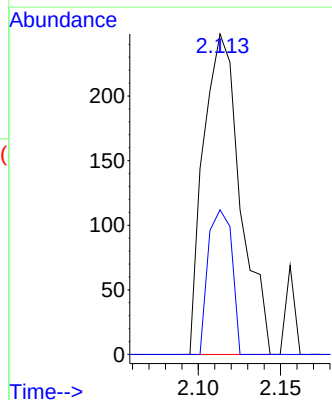
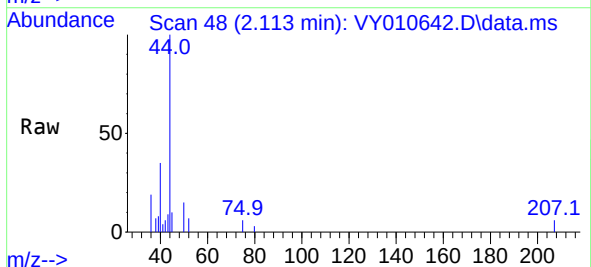
Instrument :
MSVOA_Y
ClientSampleId :
SB-29-6.5-7.0

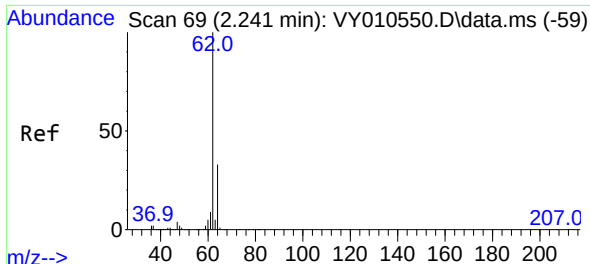
Tgt Ion:168 Resp: 3506
Ion Ratio Lower Upper
168 100
99 60.2 46.9 70.3



#3
Chloromethane
Concen: 12.905 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Tgt Ion: 50 Resp: 388
Ion Ratio Lower Upper
50 100
52 45.2 24.6 37.0#

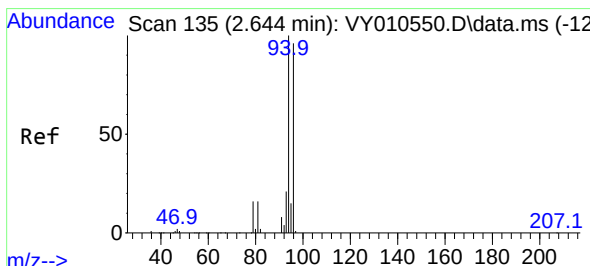
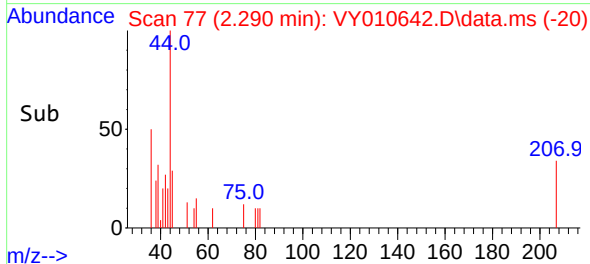
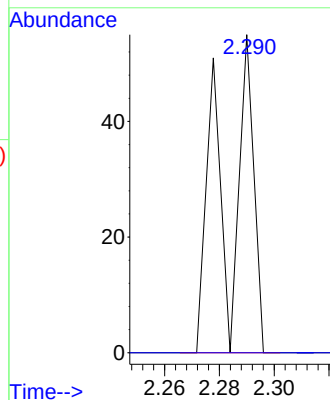
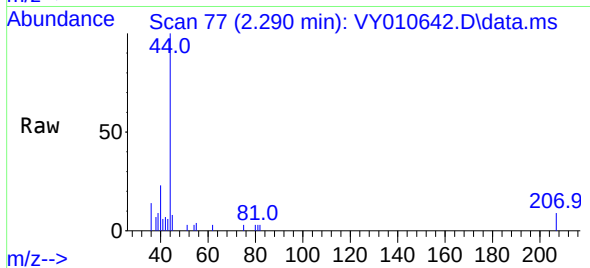




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.290 min Scan# 71
 Delta R.T. 0.049 min
 Lab File: VY010642.D
 Acq: 23 Sep 2022 12:39

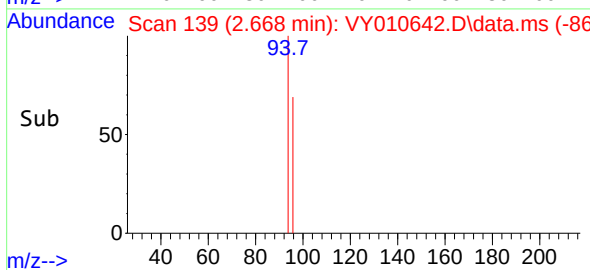
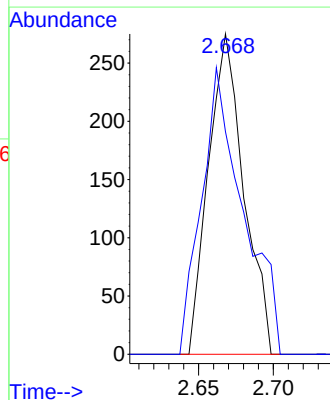
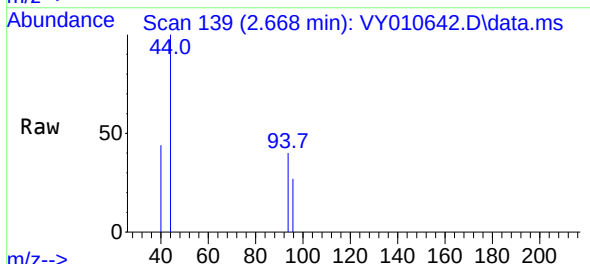
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-29-6.5-7.0

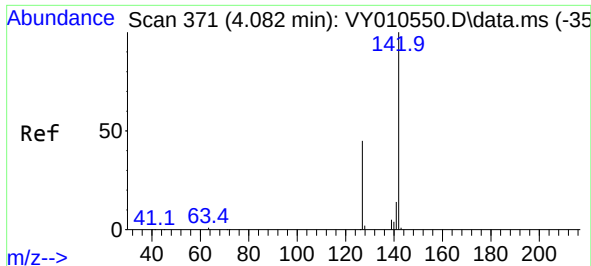
Tgt Ion: 62 Resp: 39
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: 18.443 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.024 min
 Lab File: VY010642.D
 Acq: 23 Sep 2022 12:39

Tgt Ion: 94 Resp: 452
 Ion Ratio Lower Upper
 94 100
 96 69.5 73.5 110.3#

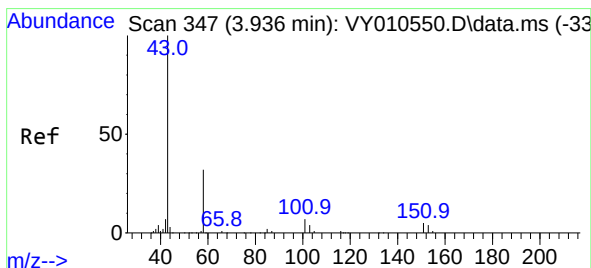
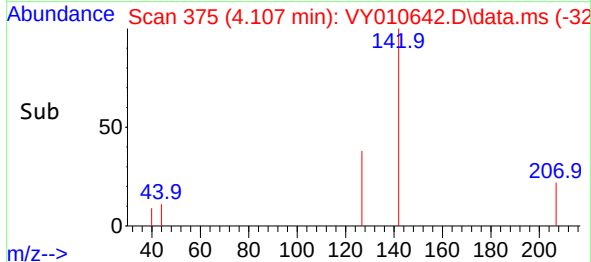
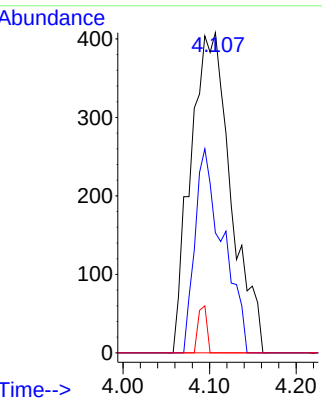
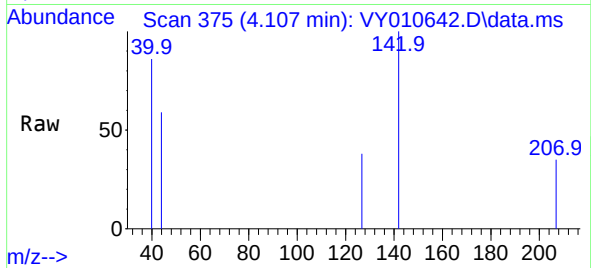




#10
Methyl Iodide
Concen: 41.087 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

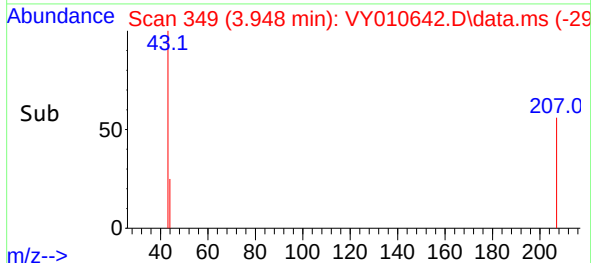
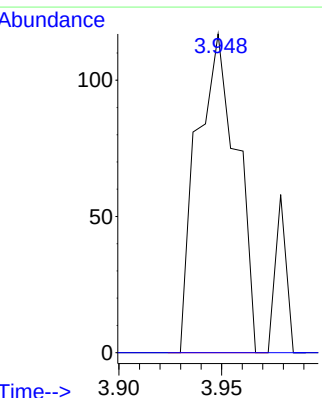
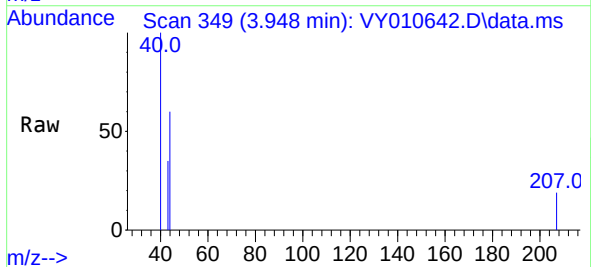
Instrument :
MSVOA_Y
ClientSampleId :
SB-29-6.5-7.0

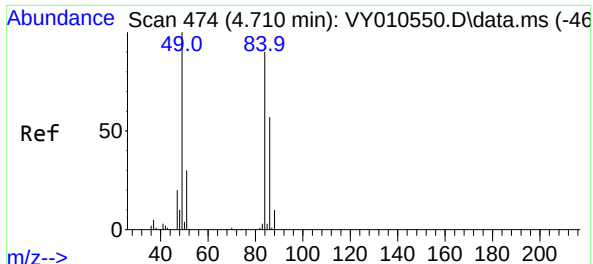
Tgt Ion:142 Resp: 1316
Ion Ratio Lower Upper
142 100
127 44.3 41.5 62.3
141 3.2 11.9 17.9#



#16
Acetone
Concen: 23.105 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

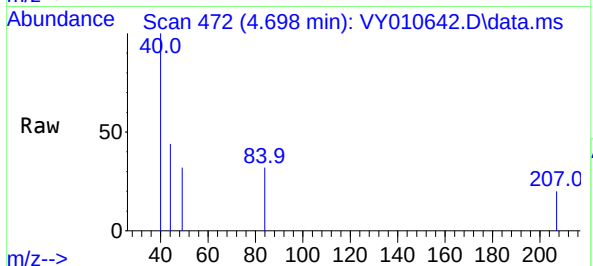
Tgt Ion: 43 Resp: 158
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



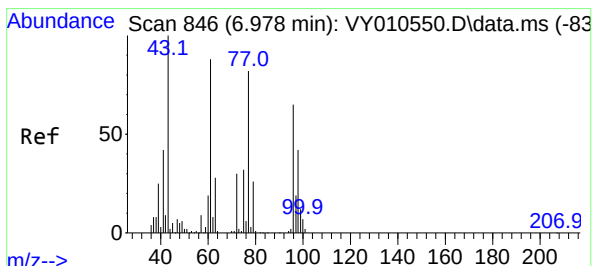
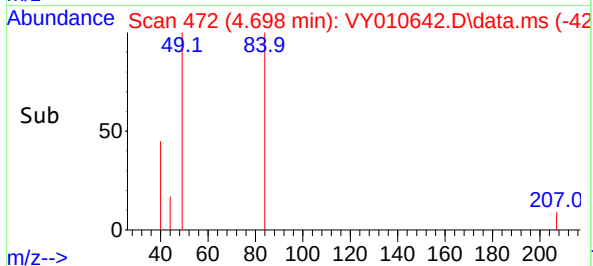
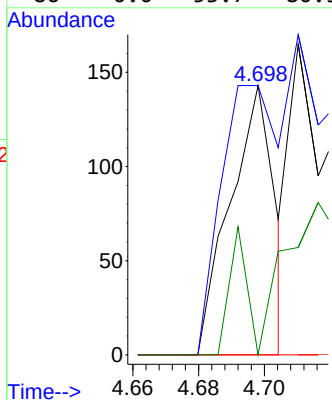


#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Instrument :
MSVOA_Y
ClientSampleId :
SB-29-6.5-7.0

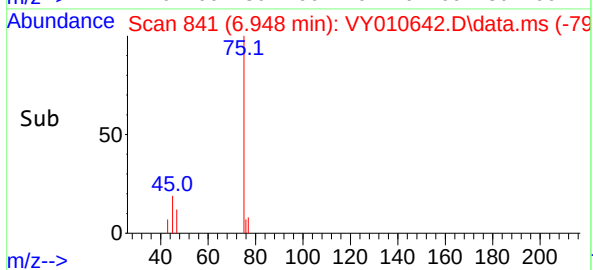
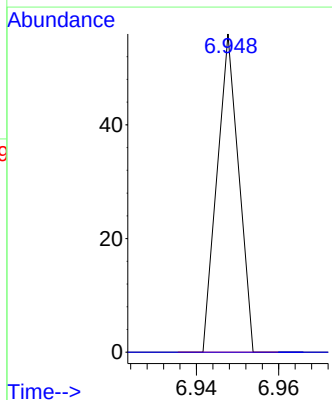
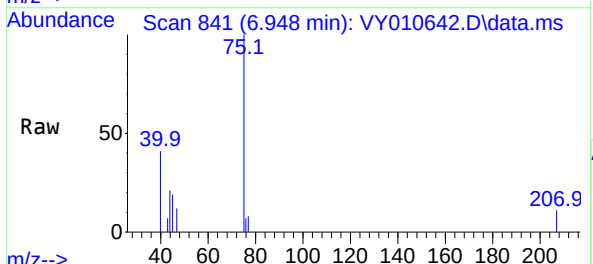


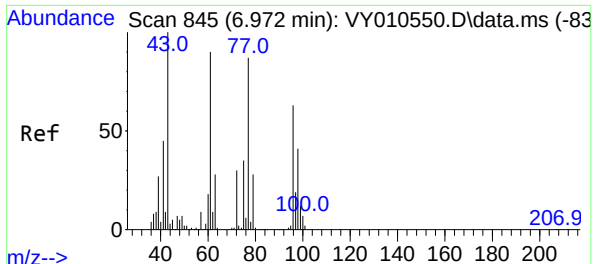
Tgt Ion: 84 Resp: 135
Ion Ratio Lower Upper
84 100
49 100.0 114.4 171.6#
51 0.0 35.3 52.9#
86 0.0 53.7 80.5#



#25
2-Butanone
Concen: 1.870 ug/l
RT: 6.948 min Scan# 841
Delta R.T. -0.030 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

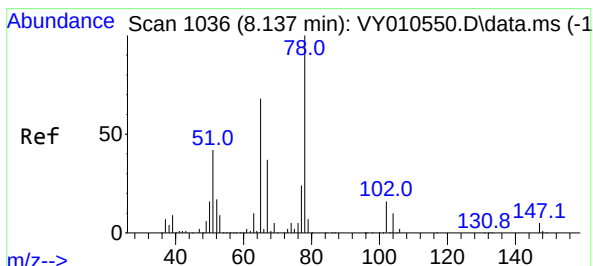
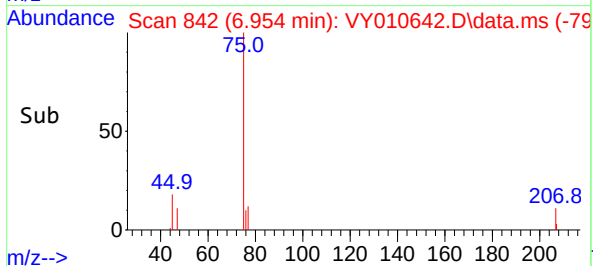
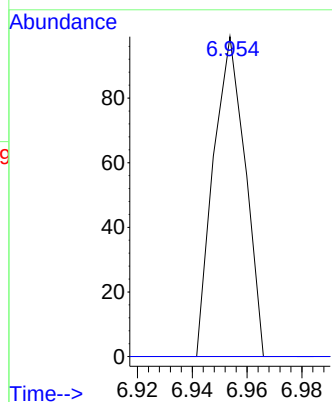
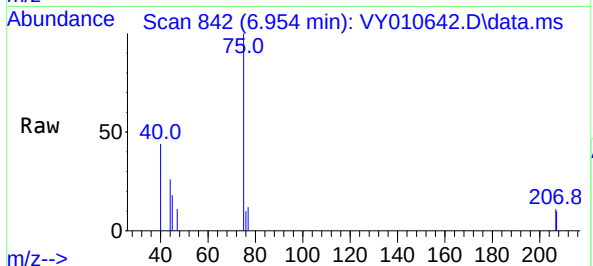




#26
2,2-Dichloropropane
Concen: 1.554 ug/l
RT: 6.954 min Scan# 84
Delta R.T. -0.018 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

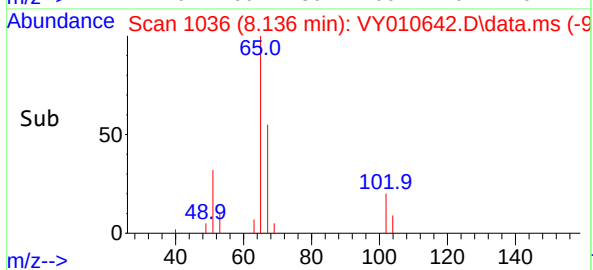
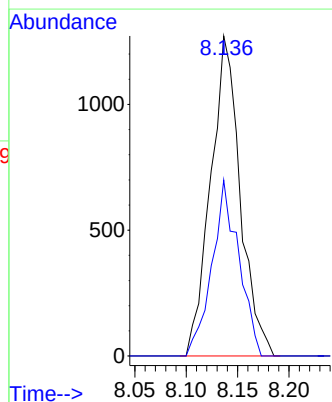
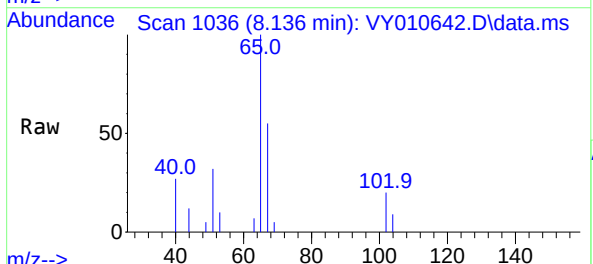
Instrument :
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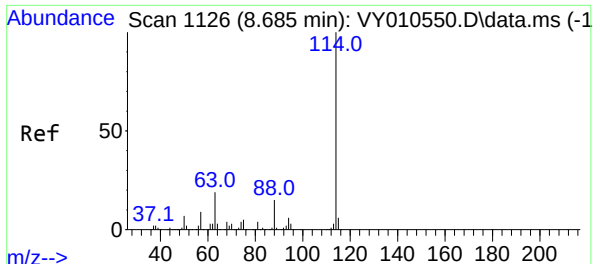
Tgt Ion: 77 Resp: 79
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#33
1,2-Dichloroethane-d4
Concen: 75.804 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Tgt Ion: 65 Resp: 2542
Ion Ratio Lower Upper
65 100
67 49.8 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: VY010642.D

Acq: 23 Sep 2022 12:39

Instrument :

MSVOA_Y

ClientSampleId :

SB-29-6.5-7.0

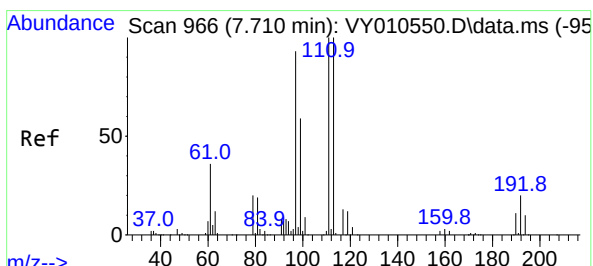
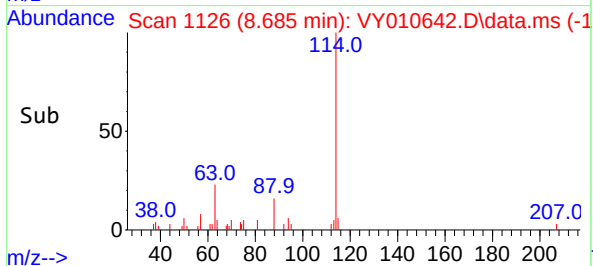
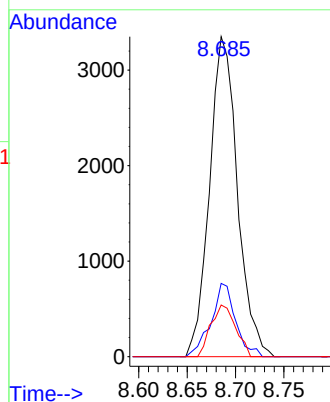
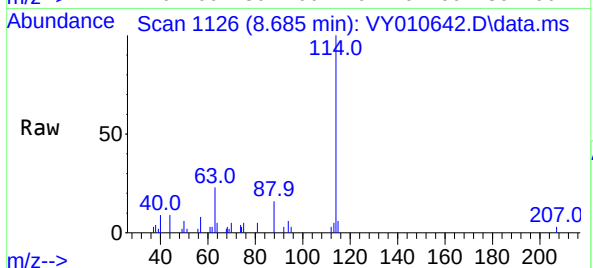
Tgt Ion:114 Resp: 6707

Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.2

88 16.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 21.750 ug/l

RT: 7.704 min Scan# 965

Delta R.T. -0.006 min

Lab File: VY010642.D

Acq: 23 Sep 2022 12:39

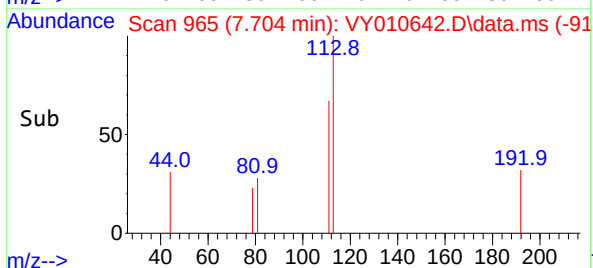
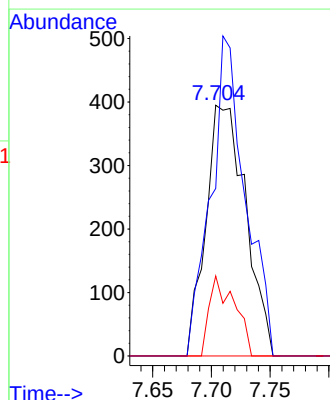
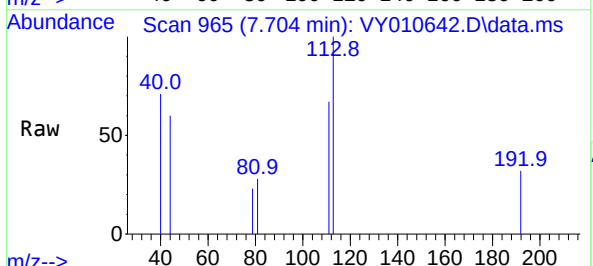
Tgt Ion:113 Resp: 931

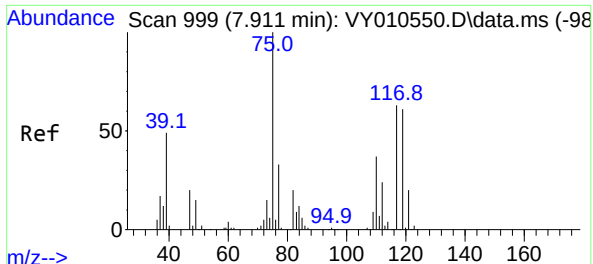
Ion Ratio Lower Upper

113 100

111 110.5 82.6 124.0

192 20.3 17.6 26.4

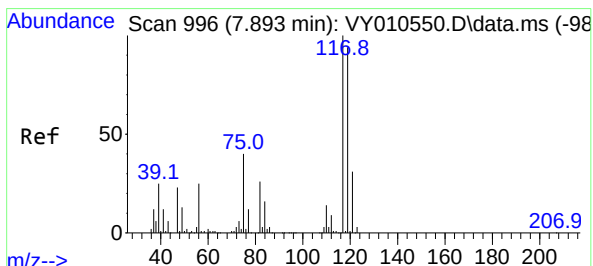
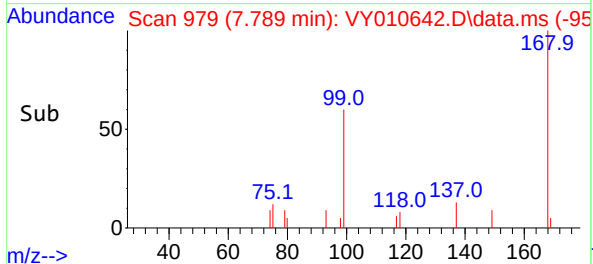
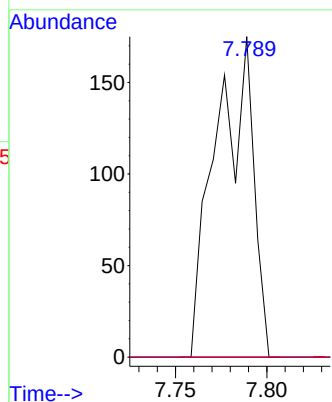
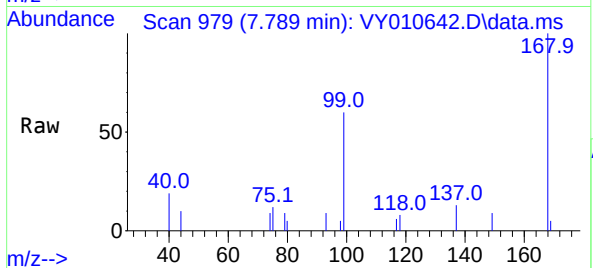




#36
1,1-Dichloropropene
Concen: 5.221 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

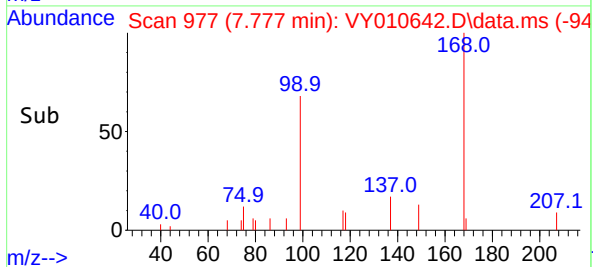
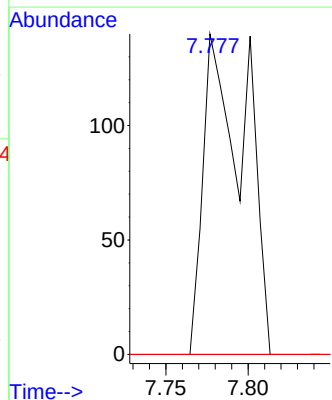
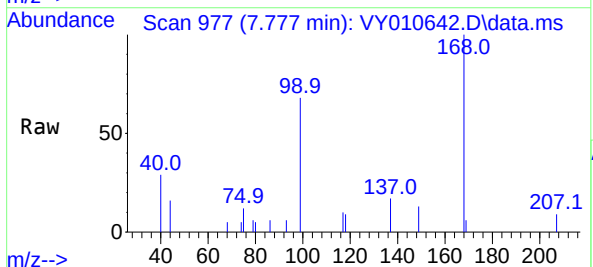
Instrument :
MSVOA_Y
ClientSampleId :
SB-29-6.5-7.0

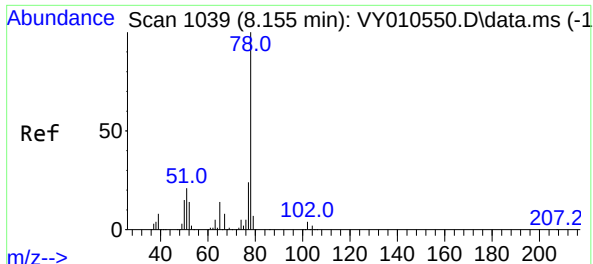
Tgt Ion: 75 Resp: 249
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.468 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.116 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Tgt Ion: 117 Resp: 245
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#





#40

Benzene

Concen: 1.990 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY010642.D

Acq: 23 Sep 2022 12:39

Instrument :

MSVOA_Y

ClientSampleId :

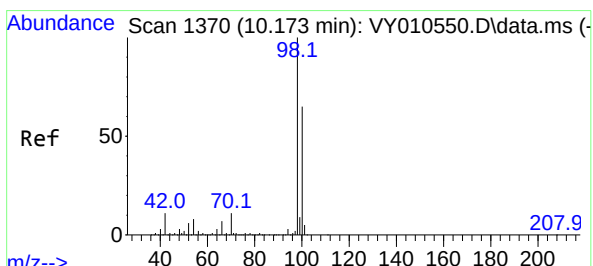
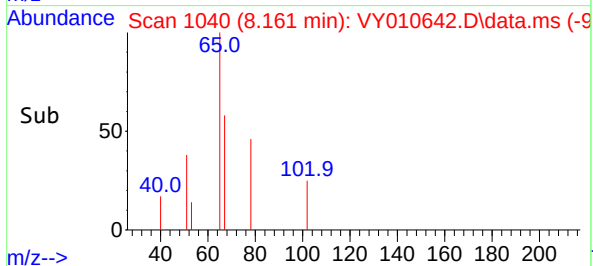
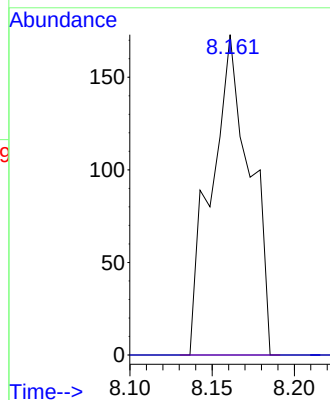
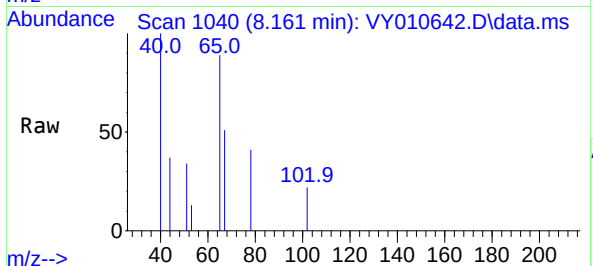
SB-29-6.5-7.0

Tgt Ion: 78 Resp: 283

Ion Ratio Lower Upper

78 100

77 0.0 20.4 30.6#



#50

Toluene-d8

Concen: 40.027 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.006 min

Lab File: VY010642.D

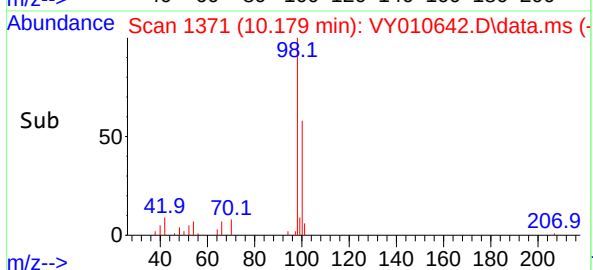
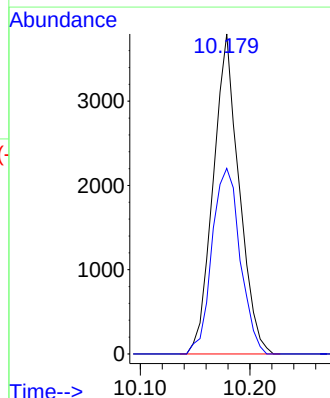
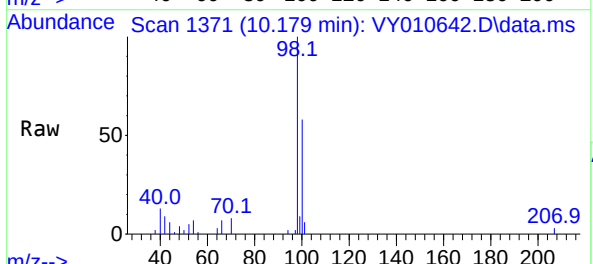
Acq: 23 Sep 2022 12:39

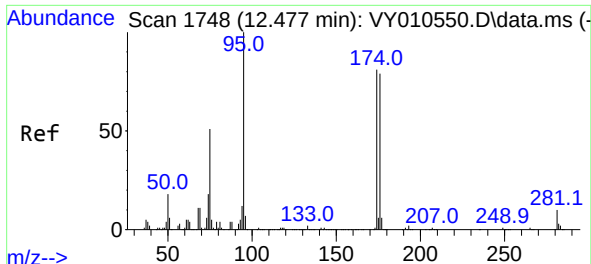
Tgt Ion: 98 Resp: 6227

Ion Ratio Lower Upper

98 100

100 63.1 50.2 75.2

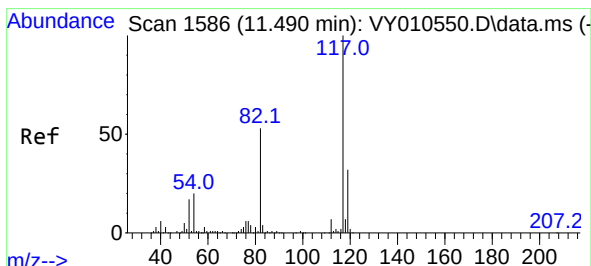
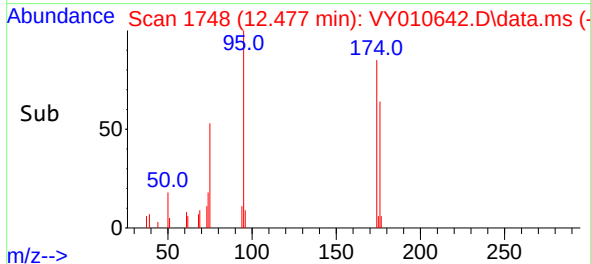
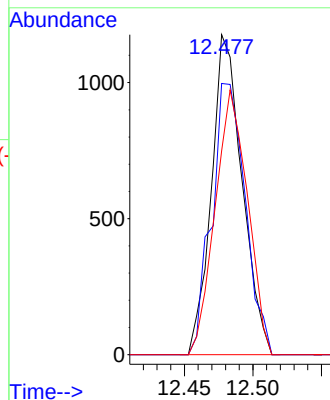
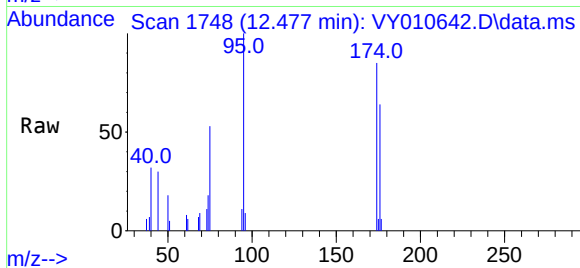




#62
4-Bromofluorobenzene
Concen: 30.113 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

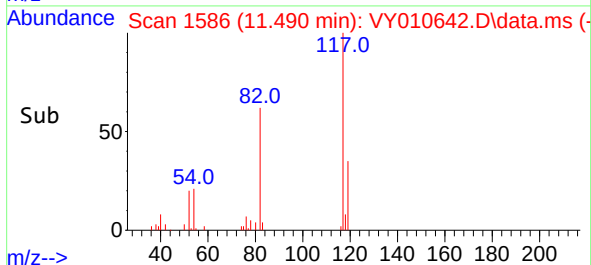
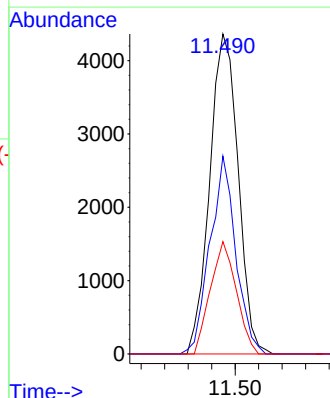
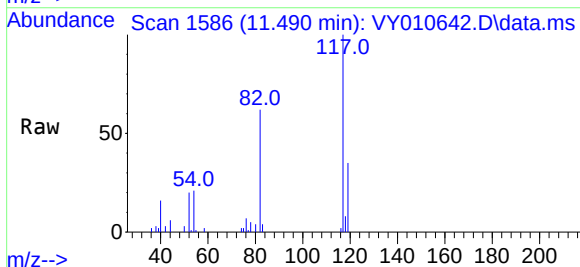
Instrument :
MSVOA_Y
ClientSampleId :
SB-29-6.5-7.0

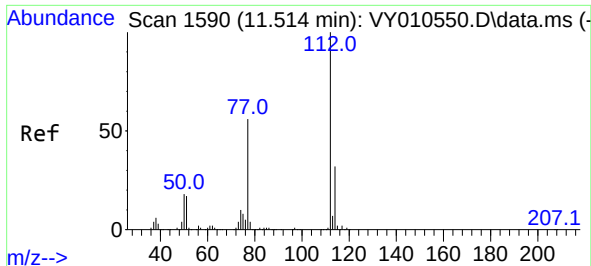
Tgt Ion:	95	Resp:	1831
Ion	Ratio	Lower	Upper
95	100		
174	92.7	0.0	177.0
176	87.5	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Tgt Ion:	117	Resp:	7333
Ion	Ratio	Lower	Upper
117	100		
82	61.8	43.0	64.4
119	35.1	25.4	38.0

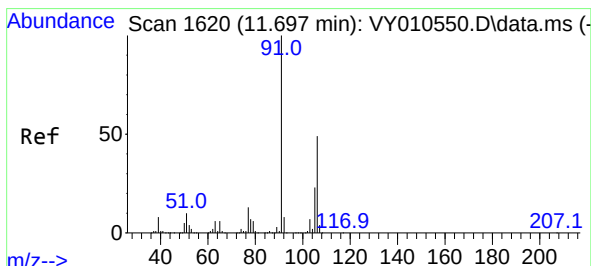
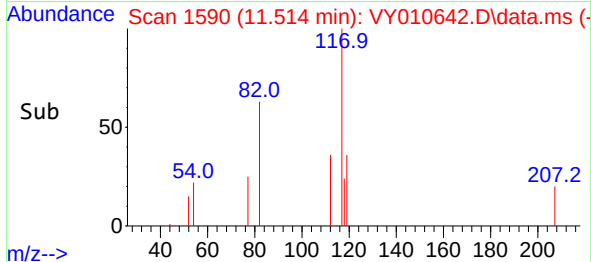
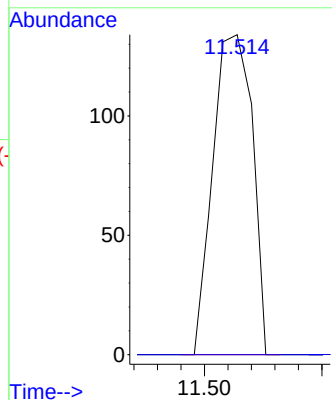
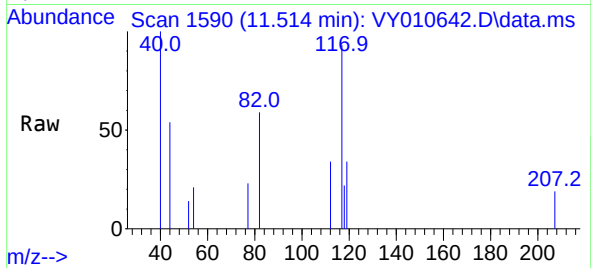




#65
Chlorobenzene
Concen: 1.238 ug/l
RT: 11.514 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

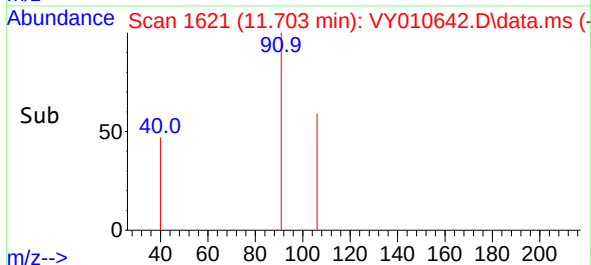
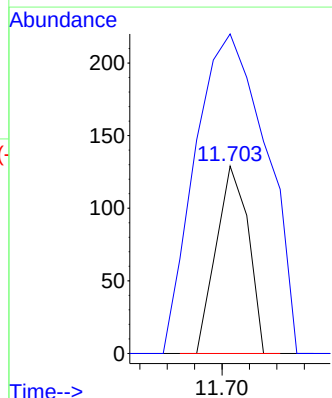
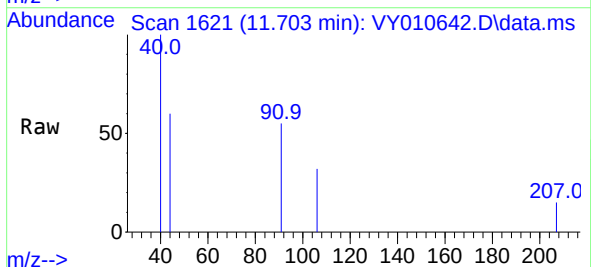
Instrument :
MSVOA_Y
ClientSampleId :
SB-29-6.5-7.0

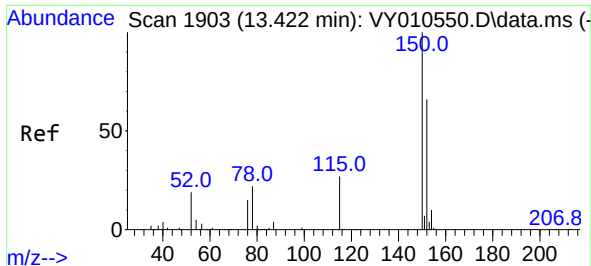
Tgt Ion:112 Resp: 157
Ion Ratio Lower Upper
112 100
114 0.0 25.8 38.6#



#68
m/p-Xylenes
Concen: 1.217 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Tgt Ion:106 Resp: 105
Ion Ratio Lower Upper
106 100
91 377.1 166.6 249.8#

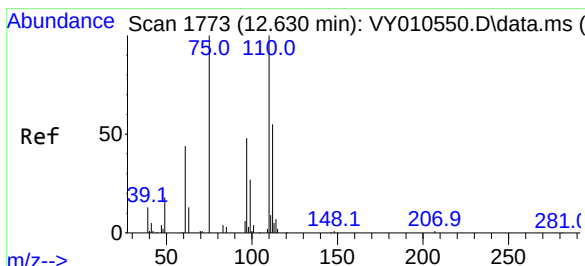
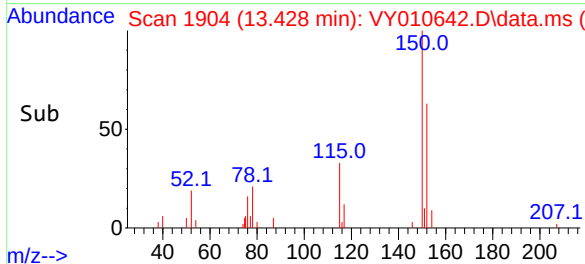
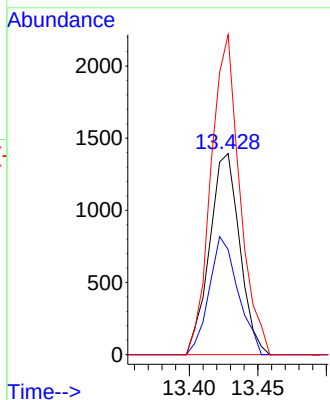
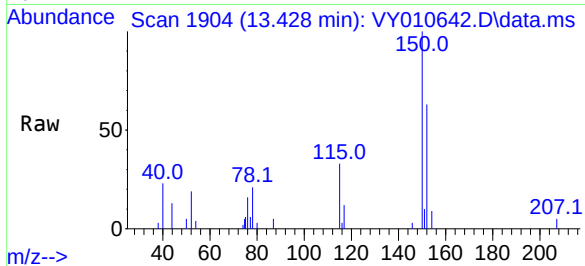




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

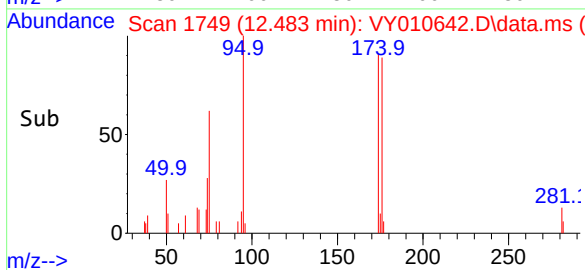
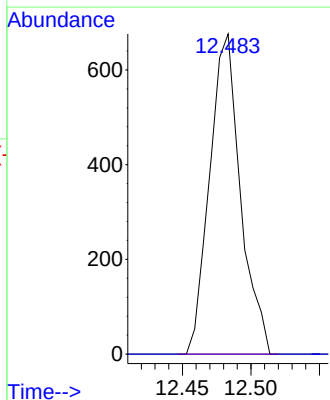
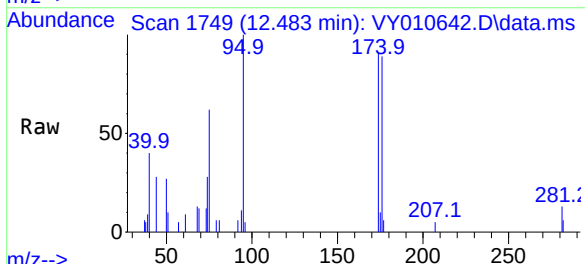
Instrument :
MSVOA_Y
ClientSampleId :
SB-29-6.5-7.0

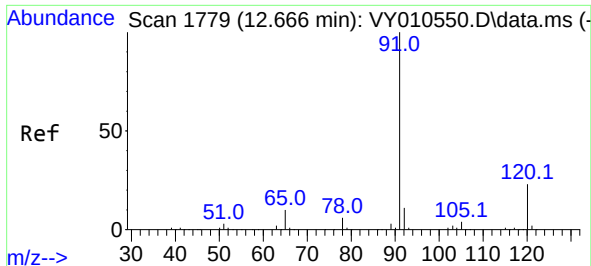
Tgt Ion:152 Resp: 2131
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.7
150 152.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 51.969 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Tgt Ion: 75 Resp: 1057
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

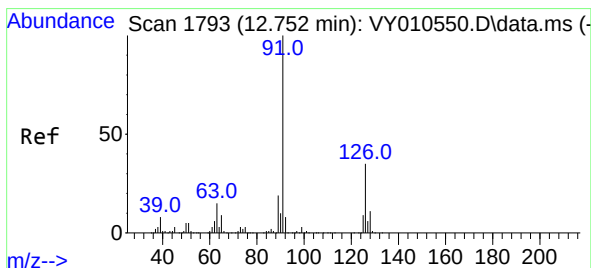
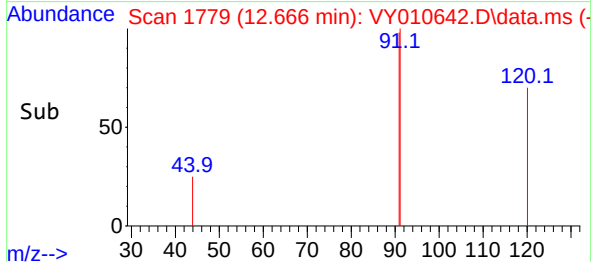
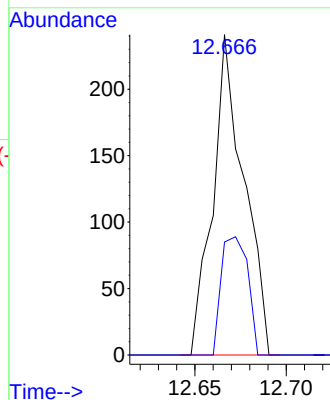
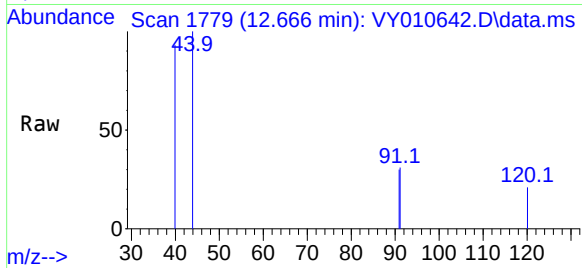




#78
n-propylbenzene
Concen: 1.817 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

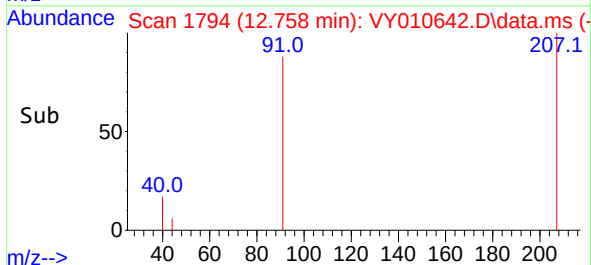
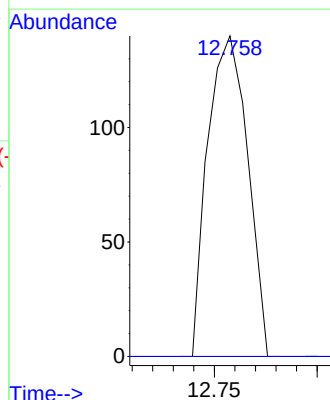
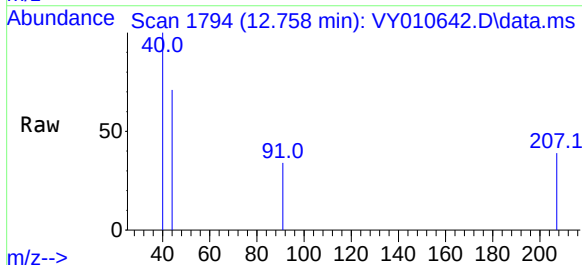
Instrument :
MSVOA_Y
ClientSampleId :
SB-29-6.5-7.0

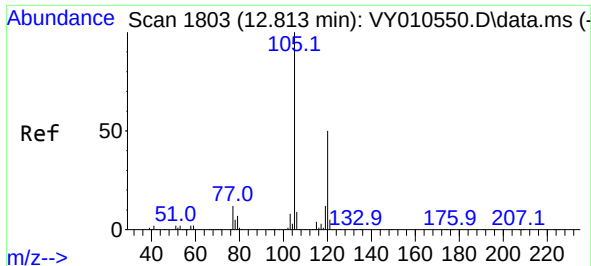
Tgt Ion: 91 Resp: 285
Ion Ratio Lower Upper
91 100
120 31.6 11.3 33.9



#79
2-Chlorotoluene
Concen: 2.114 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Tgt Ion: 91 Resp: 189
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

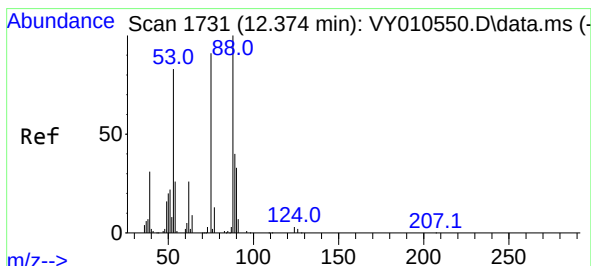
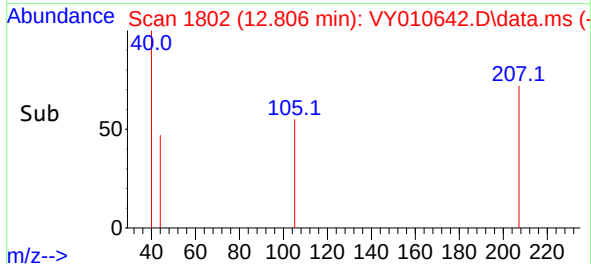
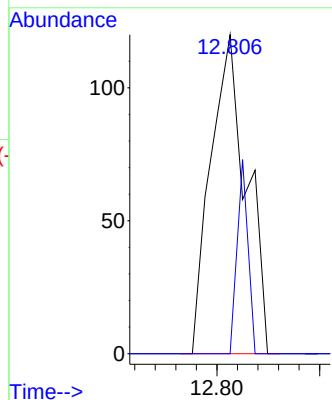
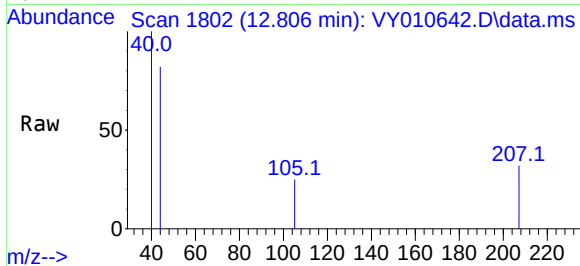




#80
1,3,5-Trimethylbenzene
Concen: 1.303 ug/l
RT: 12.806 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

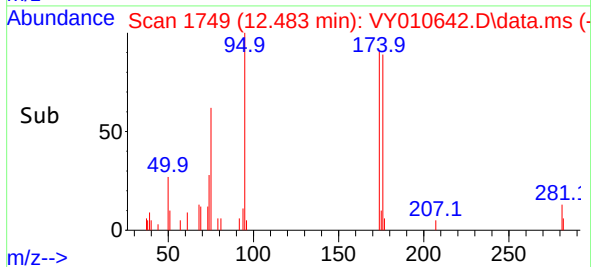
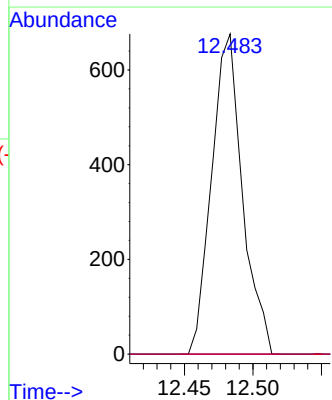
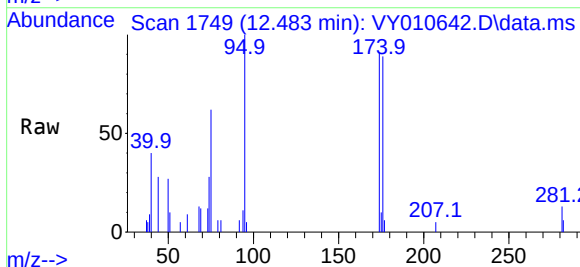
Instrument :
MSVOA_Y
ClientSampleId :
SB-29-6.5-7.0

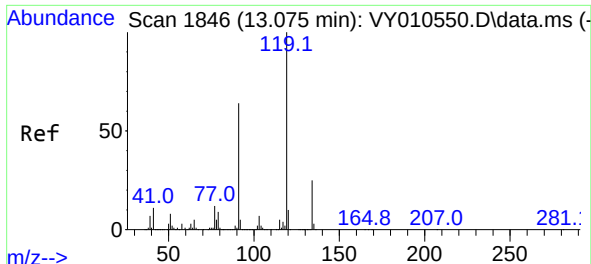
Tgt Ion:105 Resp: 145
Ion Ratio Lower Upper
105 100
120 18.6 24.4 73.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.550 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Tgt Ion: 75 Resp: 1057
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

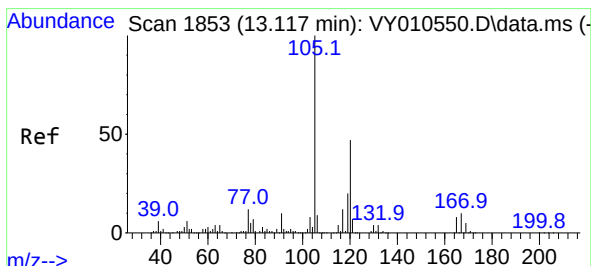
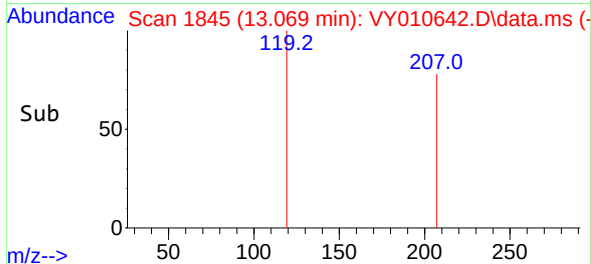
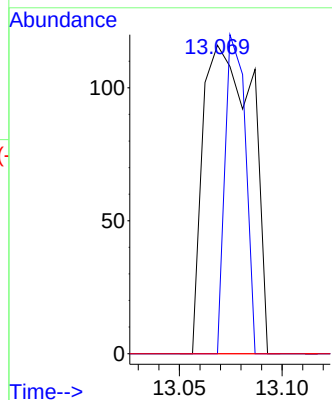
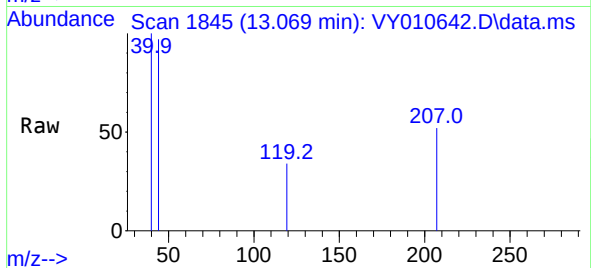




#83
tert-Butylbenzene
Concen: 1.929 ug/l
RT: 13.069 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

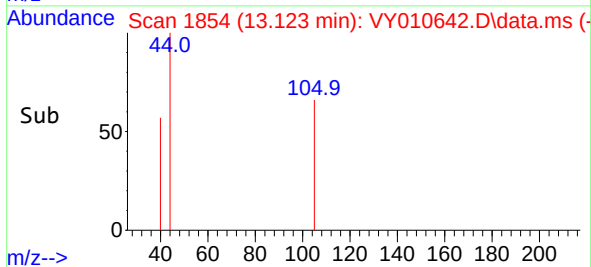
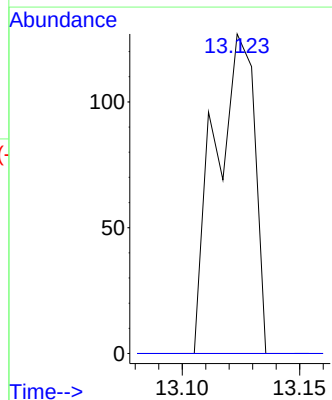
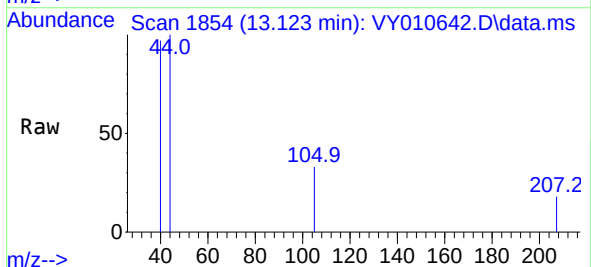
Instrument :
MSVOA_Y
ClientSampleId :
SB-29-6.5-7.0

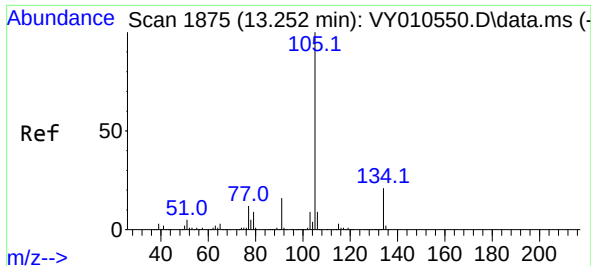
Tgt Ion:	119	Resp:	192
Ion	Ratio	Lower	Upper
119	100		
91	42.7	34.8	104.4
134	0.0	13.3	39.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.339 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Tgt Ion:	105	Resp:	148
Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.3	66.9#

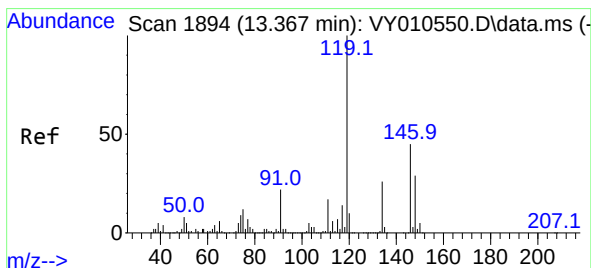
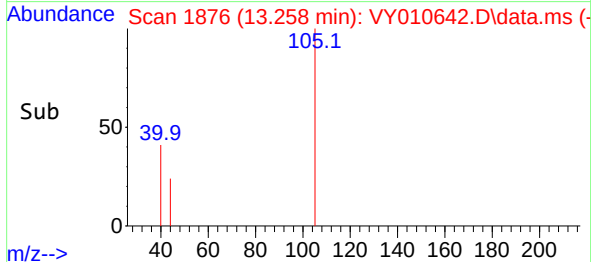
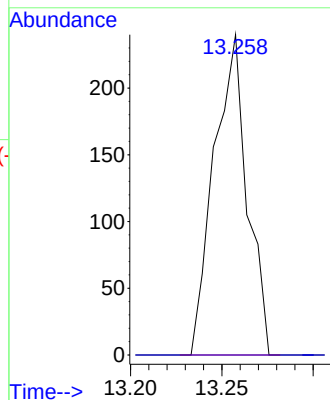
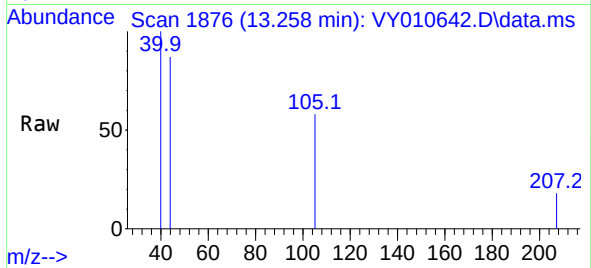




#85
 sec-Butylbenzene
 Concen: 2.079 ug/l
 RT: 13.258 min Scan# 1876
 Delta R.T. 0.006 min
 Lab File: VY010642.D
 Acq: 23 Sep 2022 12:39

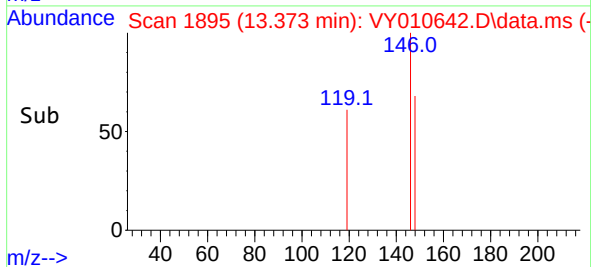
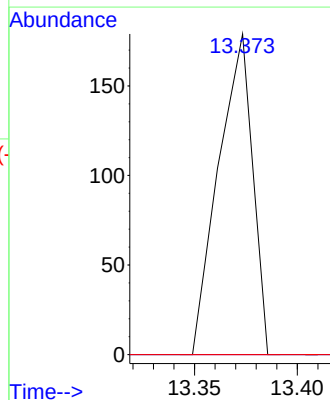
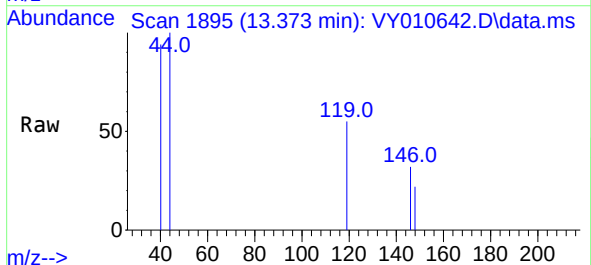
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-29-6.5-7.0

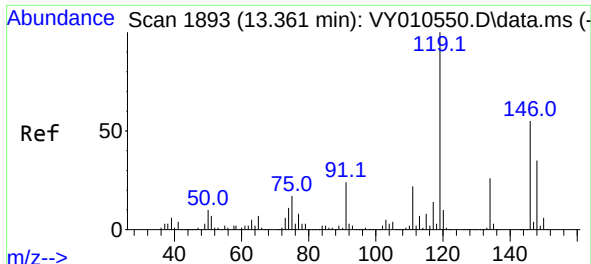
Tgt Ion:105 Resp: 303
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 1.691 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY010642.D
 Acq: 23 Sep 2022 12:39

Tgt Ion:119 Resp: 206
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.2 39.5#
 91 0.0 12.4 37.2#





#87

1,3-Dichlorobenzene

Concen: 3.412 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY010642.D

Acq: 23 Sep 2022 12:39

Instrument :

MSVOA_Y

ClientSampleId :

SB-29-6.5-7.0

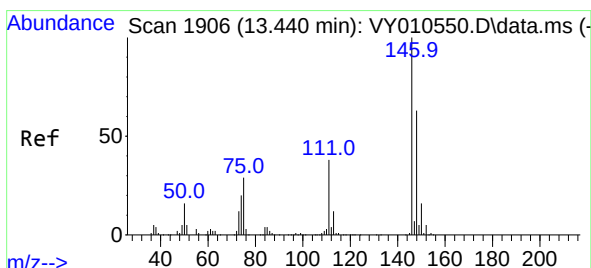
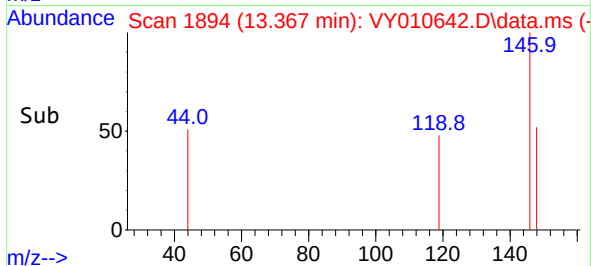
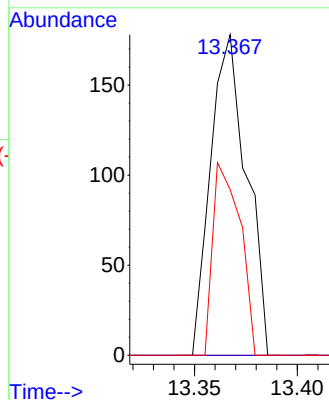
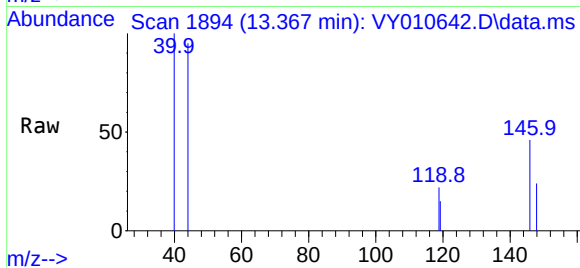
Tgt Ion:146 Resp: 217

Ion Ratio Lower Upper

146 100

111 0.0 19.5 58.5#

148 45.6 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 3.415 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY010642.D

Acq: 23 Sep 2022 12:39

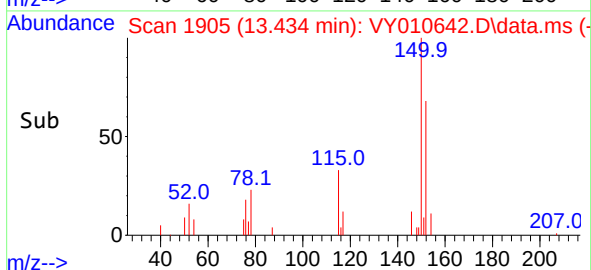
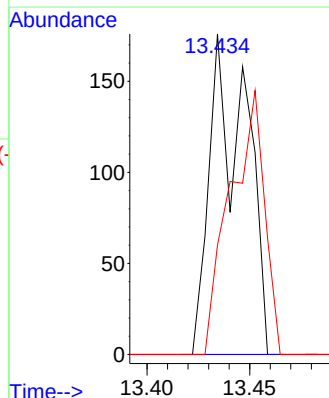
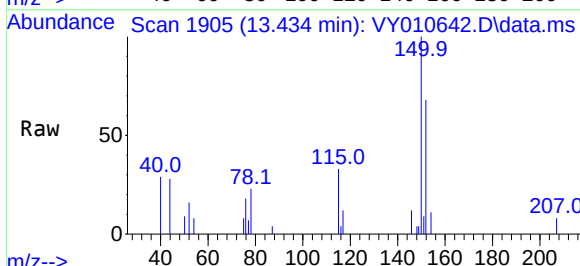
Tgt Ion:146 Resp: 215

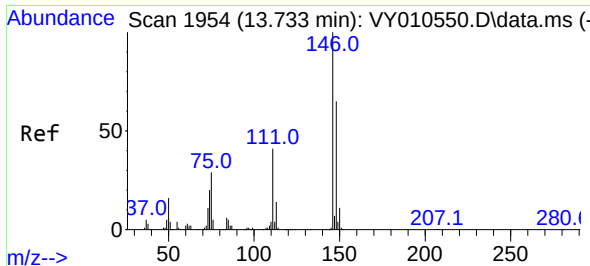
Ion Ratio Lower Upper

146 100

111 0.0 19.3 57.8#

148 78.1 32.6 97.8





#91

1,2-Dichlorobenzene

Concen: 1.641 ug/l

RT: 13.739 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VY010642.D

Acq: 23 Sep 2022 12:39

Instrument :

MSVOA_Y

ClientSampleId :

SB-29-6.5-7.0

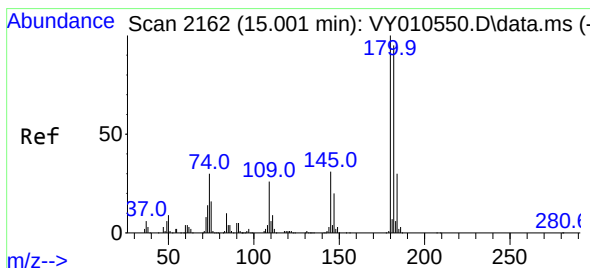
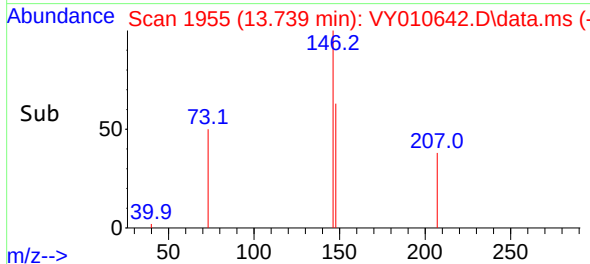
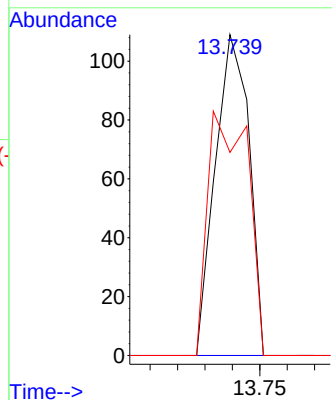
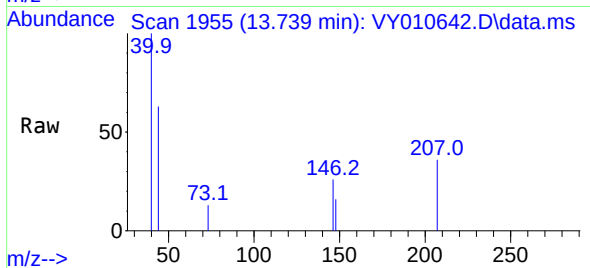
Tgt Ion:146 Resp: 93

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

148 90.3 32.3 96.9



#93

1,2,4-Trichlorobenzene

Concen: 2.257 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. 0.000 min

Lab File: VY010642.D

Acq: 23 Sep 2022 12:39

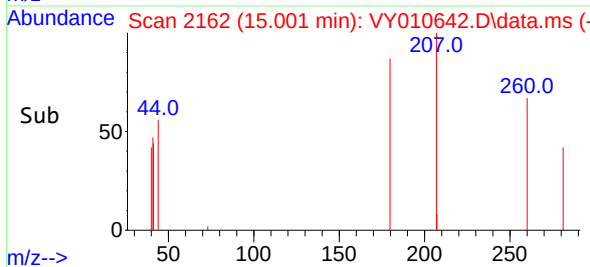
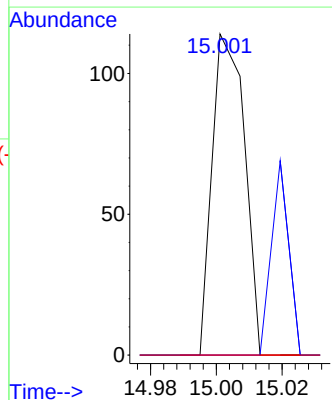
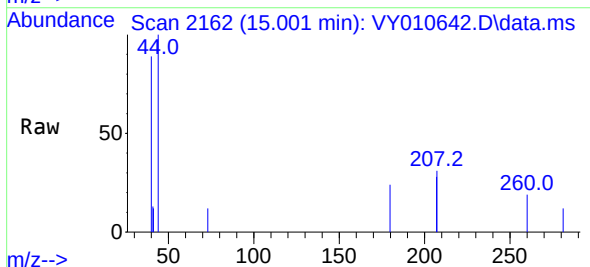
Tgt Ion:180 Resp: 78

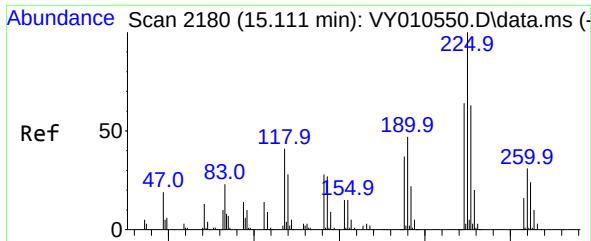
Ion Ratio Lower Upper

180 100

182 32.1 47.3 141.9#

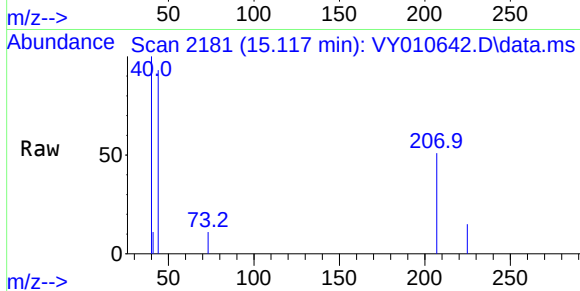
145 0.0 14.6 43.8#



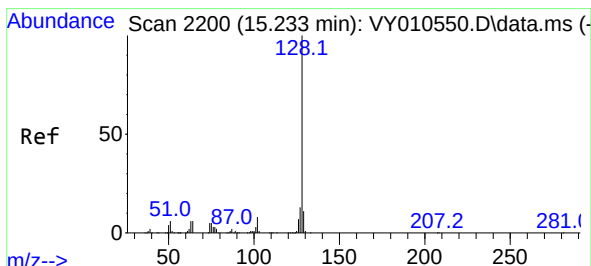
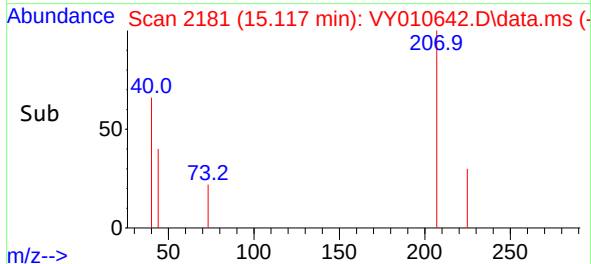
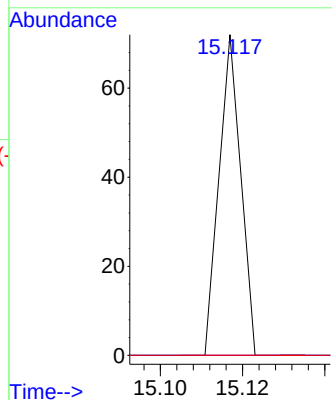


#94
Hexachlorobutadiene
Concen: 1.238 ug/l
RT: 15.117 min Scan# 2180
Delta R.T. 0.006 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Instrument :
MSVOA_Y
ClientSampleId :
SB-29-6.5-7.0



Tgt Ion:225 Resp: 26
Ion Ratio Lower Upper
225 100
223 0.0 30.8 92.3#
227 0.0 31.6 94.7#



#95
Naphthalene
Concen: 3.848 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010642.D
Acq: 23 Sep 2022 12:39

Tgt Ion:128 Resp: 268
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

