

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103122\
 Data File : VY011204.D
 Acq On : 31 Oct 2022 17:56
 Operator : KP/MD
 Sample : N5371-04
 Misc : 7.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-7-WC

Quant Time: Nov 01 02:45:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

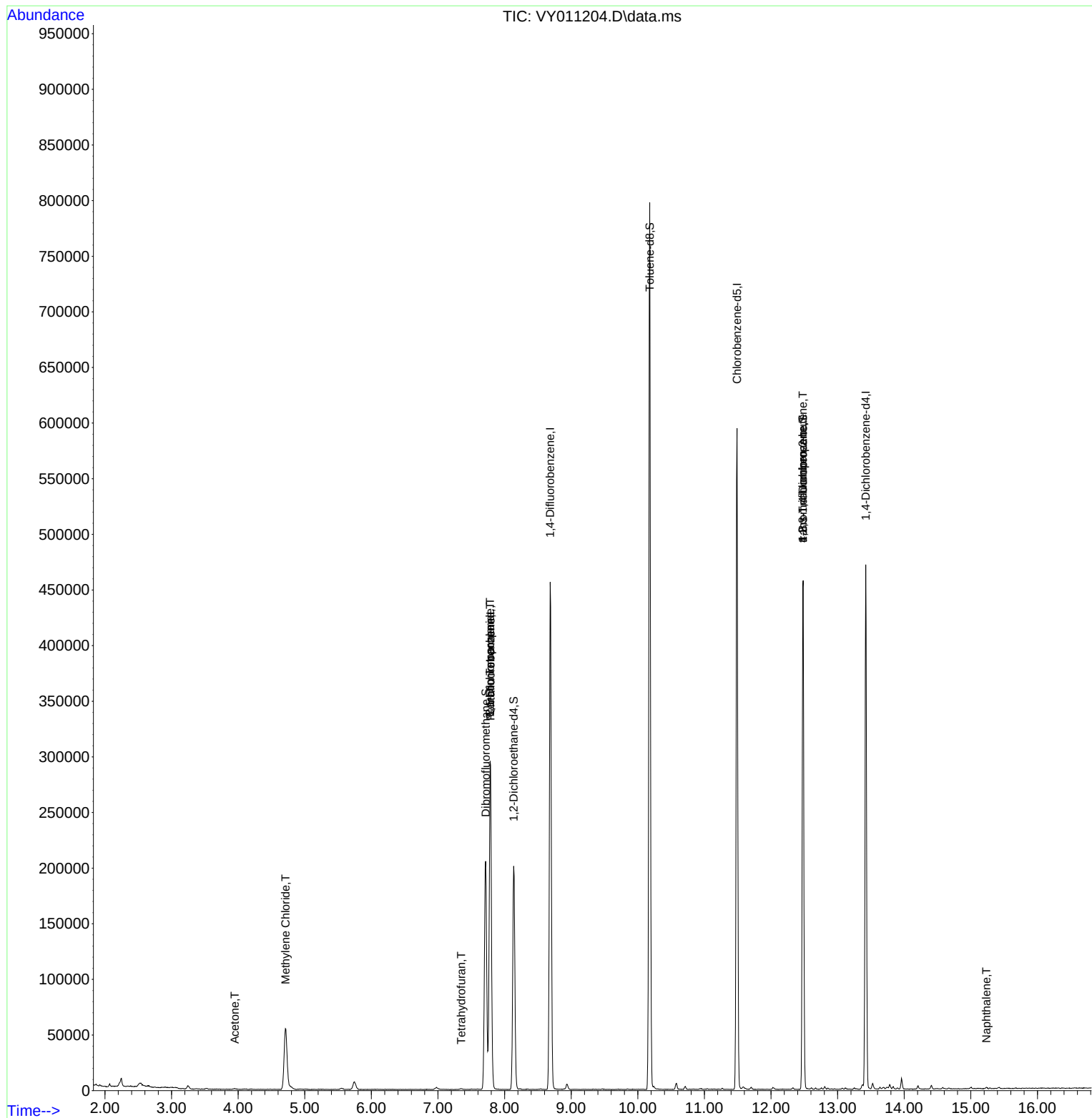
Internal Standards						
1) Pentafluorobenzene	7.789	168	229747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	396948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	329670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	156586	65.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.820%	
35) Dibromofluoromethane	7.716	113	149766	61.352	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.700%	
50) Toluene-d8	10.179	98	515178	53.272	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.540%	
62) 4-Bromofluorobenzene	12.477	95	144827	45.768	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.540%	
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	256	Below Cal		98
4) Vinyl Chloride	2.327	62	25	Below Cal	#	43
5) Bromomethane	2.662	94	335	Below Cal		92
11) Tert butyl alcohol	4.936	59	267	Below Cal	#	77
16) Acetone	3.948	43	1049	1.805	ug/l	99
17) Carbon Disulfide	4.186	76	118	Below Cal	#	75
18) Methyl Acetate	4.485	43	98	Below Cal	#	56
20) Methylene Chloride	4.710	84	43070	12.947	ug/l	85
29) Tetrahydrofuran	7.350	42	590	1.188	ug/l #	84
31) Cyclohexane	7.783	56	4494	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	17779	5.587	ug/l #	51
38) Carbon Tetrachloride	7.783	117	22811	6.581	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	72875	57.106	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	72875	121.275	ug/l #	7
95) Naphthalene	15.233	128	1291	4.622	ug/l #	93

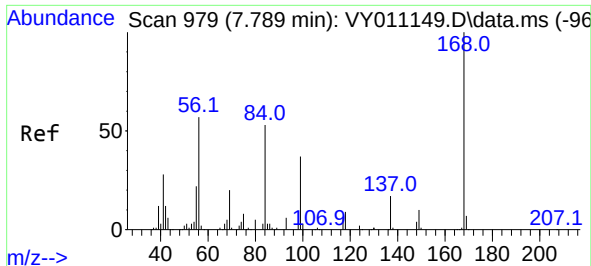
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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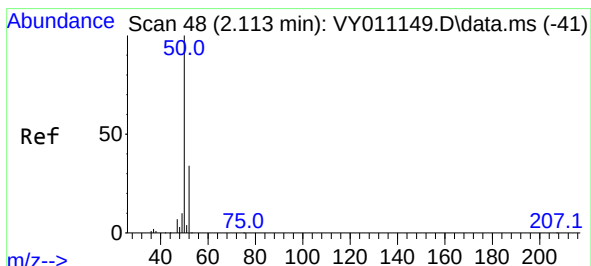
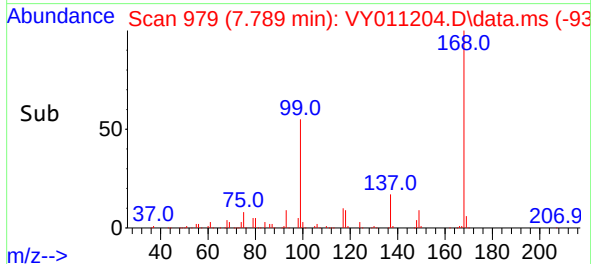
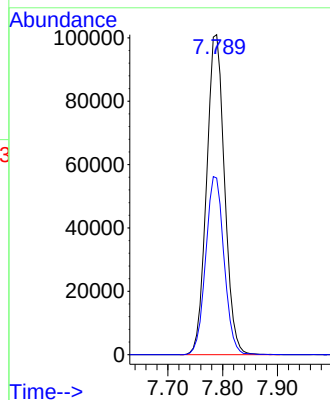
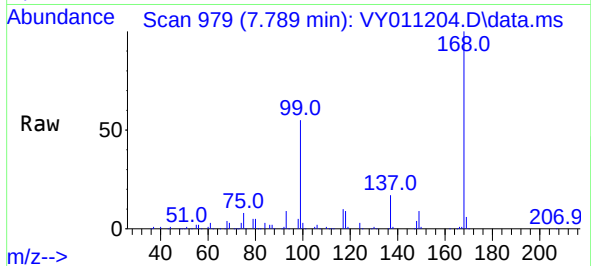




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

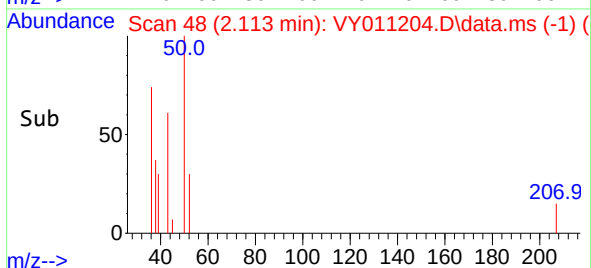
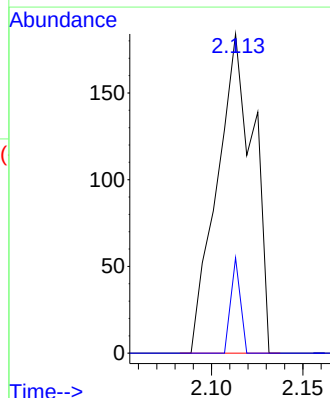
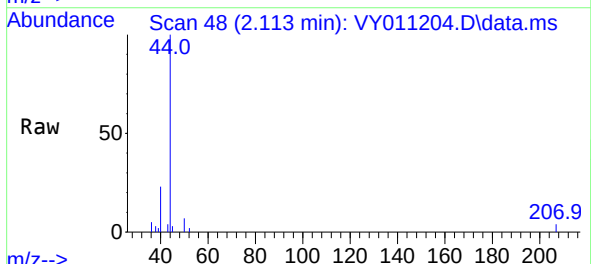
Instrument :
MSVOA_Y
ClientSampleId :
MH-7-WC

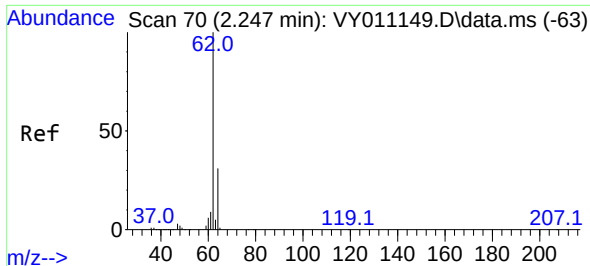
Tgt Ion:168 Resp: 229747
Ion Ratio Lower Upper
168 100
99 55.2 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 29.9 24.6 37.0

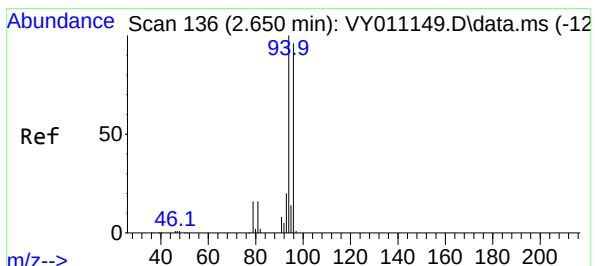
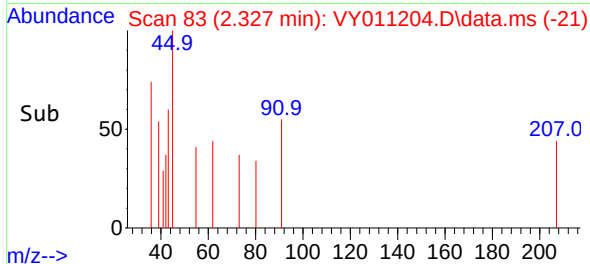
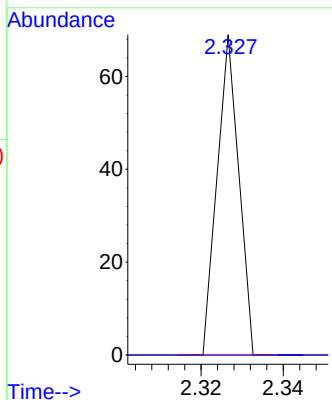
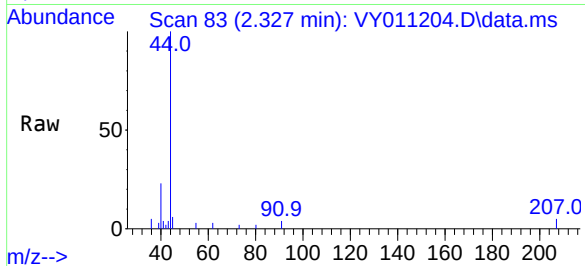




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.327 min Scan# 81
 Delta R.T. 0.080 min
 Lab File: VY011204.D
 Acq: 31 Oct 2022 17:56

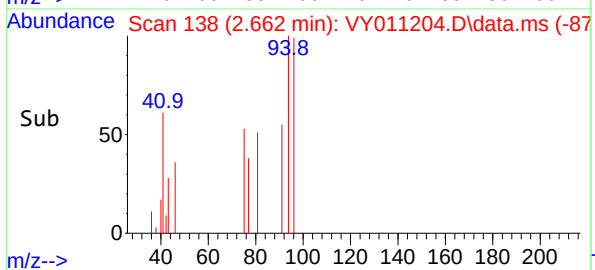
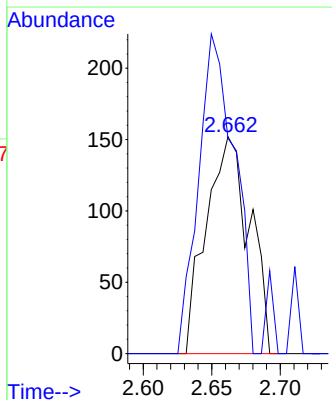
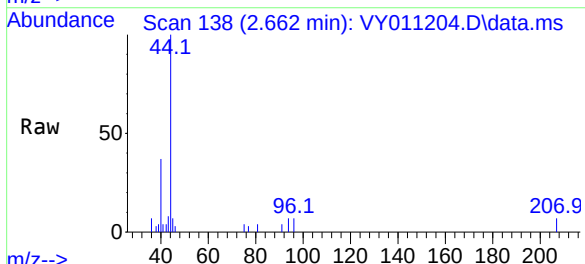
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-7-WC

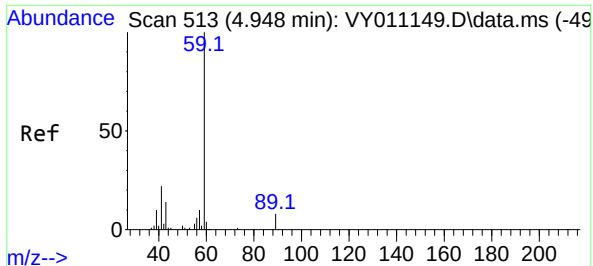
Tgt Ion: 62 Resp: 25
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.012 min
 Lab File: VY011204.D
 Acq: 31 Oct 2022 17:56

Tgt Ion: 94 Resp: 335
 Ion Ratio Lower Upper
 94 100
 96 99.3 73.5 110.3

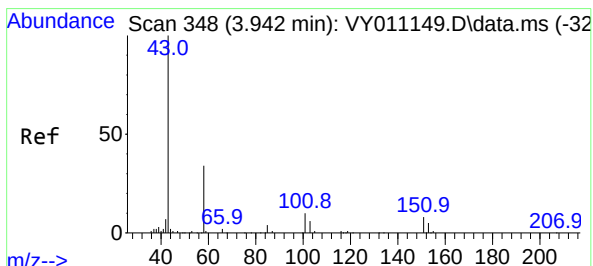
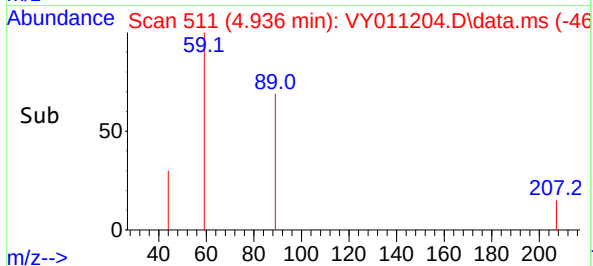
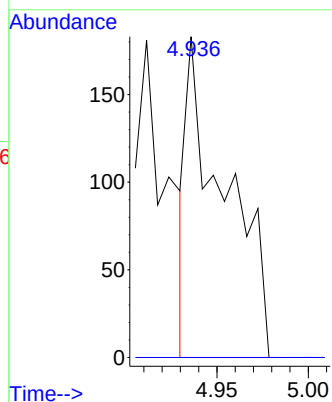
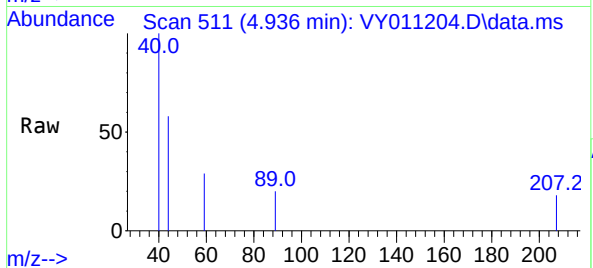




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

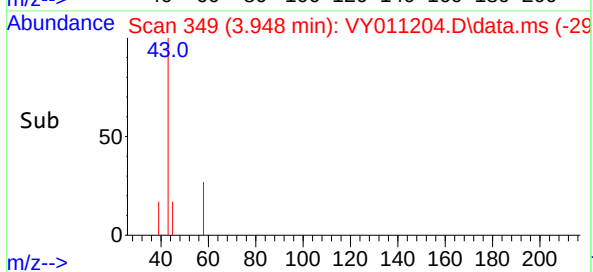
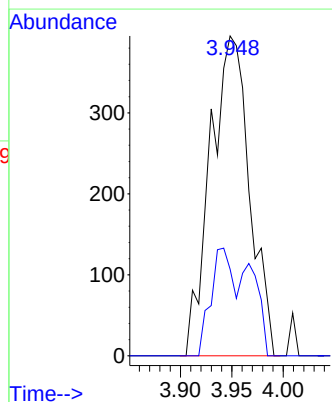
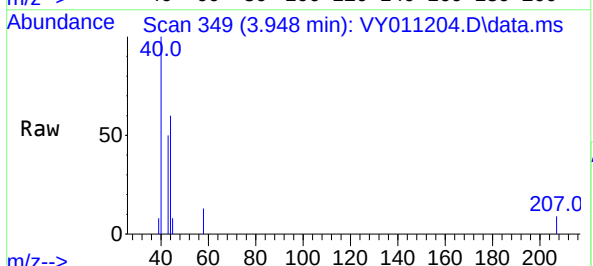
Instrument :
MSVOA_Y
ClientSampleId :
MH-7-WC

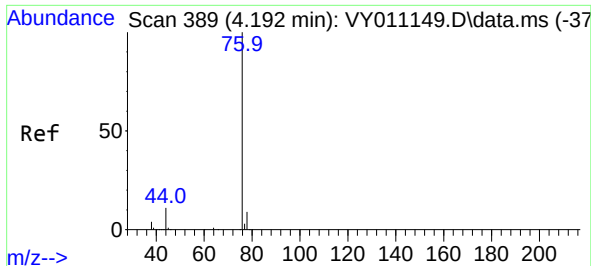
Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.805 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
58 27.1 22.0 33.0

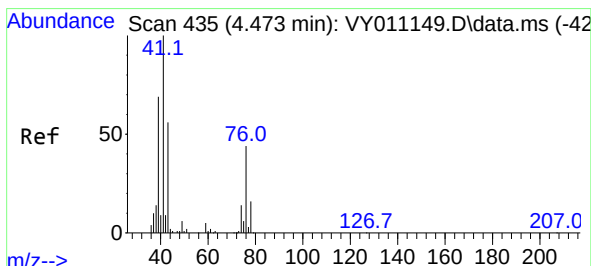
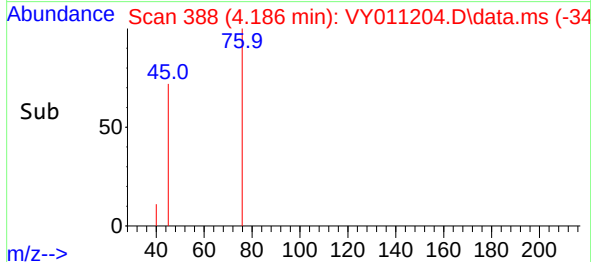
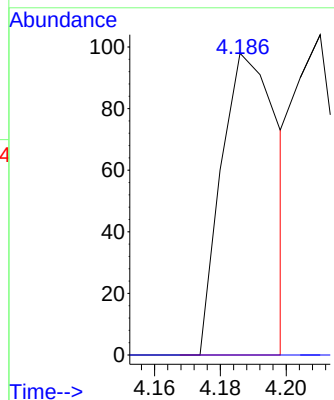
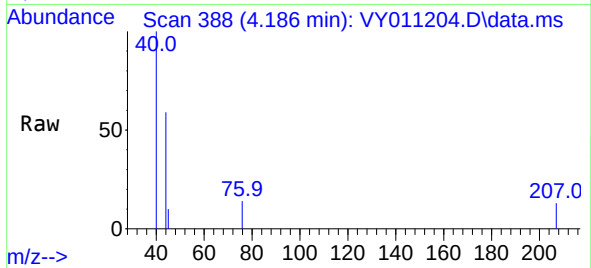




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

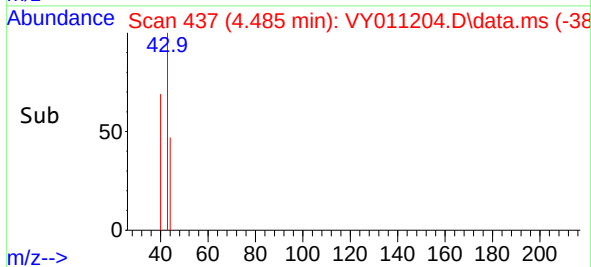
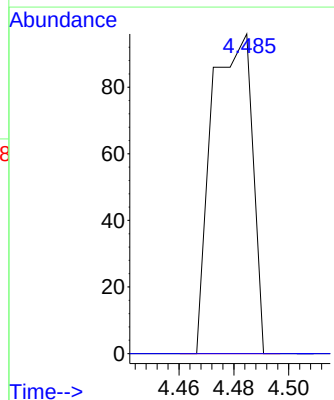
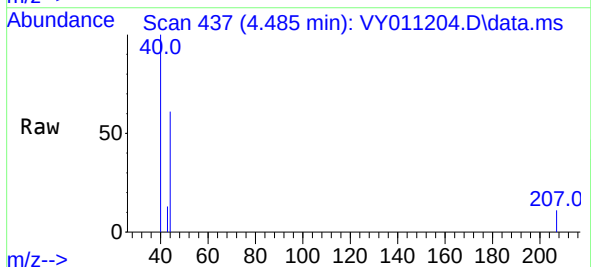
Instrument :
MSVOA_Y
ClientSampleId :
MH-7-WC

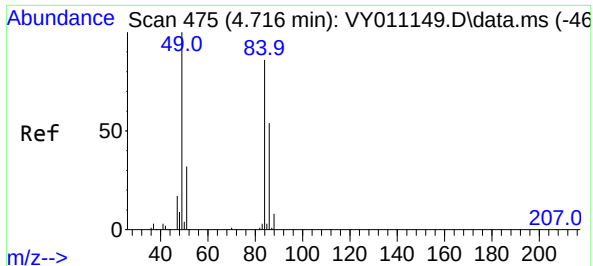
Tgt Ion: 76 Resp: 118
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



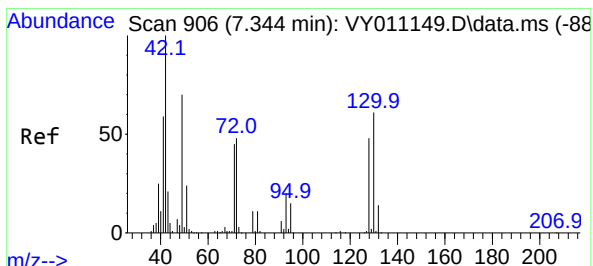
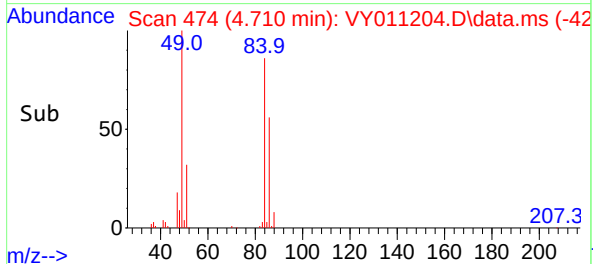
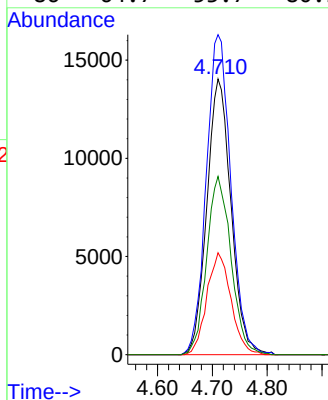
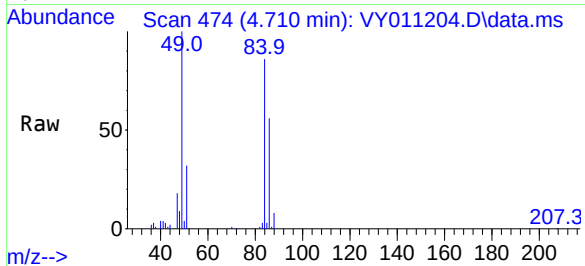


#20
Methylene Chloride
Concen: 12.947 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

Instrument :
MSVOA_Y
ClientSampleId :
MH-7-WC

Tgt Ion: 84 Resp: 43070

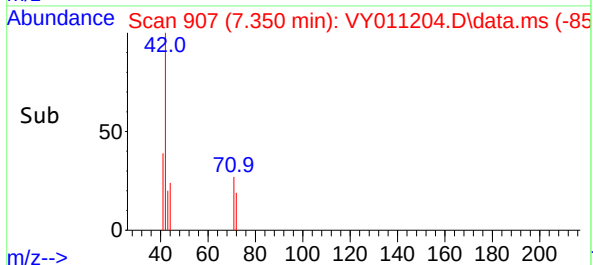
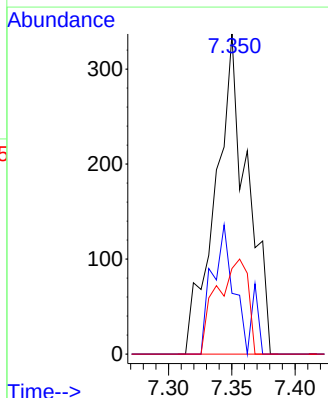
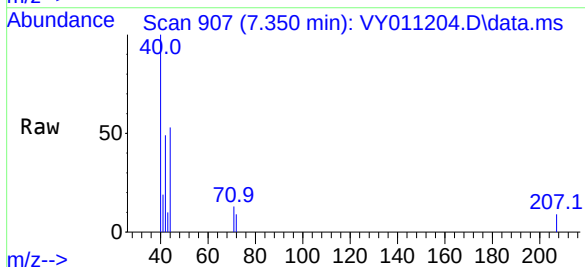
Ion	Ratio	Lower	Upper
84	100		
49	116.1	114.4	171.6
51	37.0	35.3	52.9
86	64.7	53.7	80.5

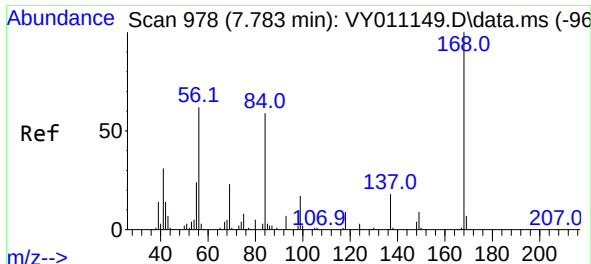


#29
Tetrahydrofuran
Concen: 1.188 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

Tgt Ion: 42 Resp: 590

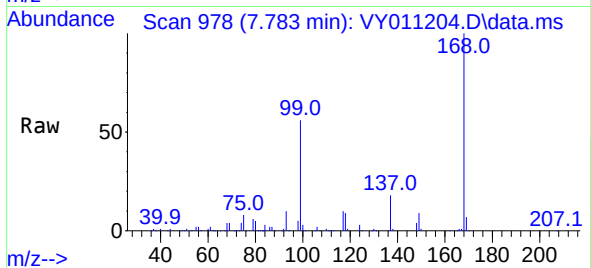
Ion	Ratio	Lower	Upper
42	100		
72	26.6	30.3	45.5#
71	29.0	29.0	43.4



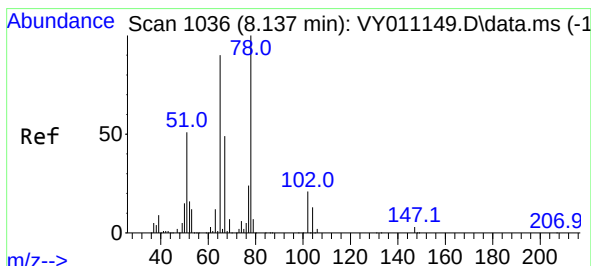
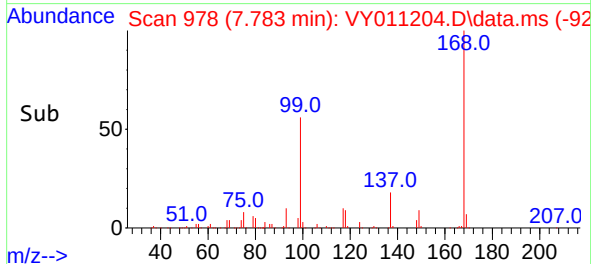
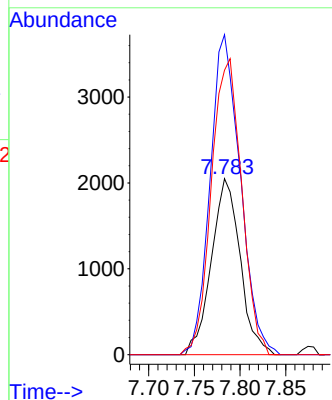


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

Instrument :
MSVOA_Y
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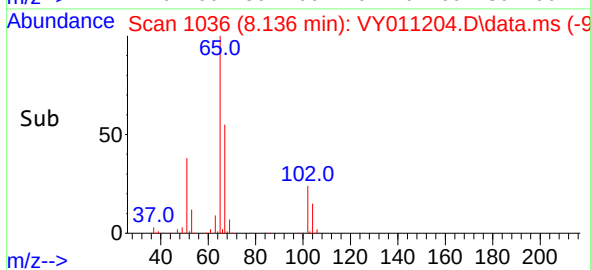
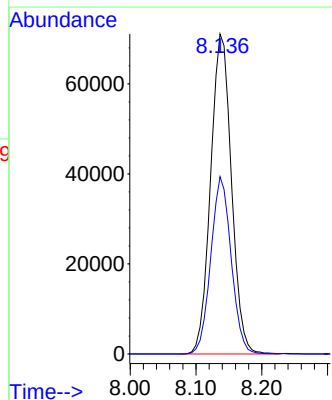
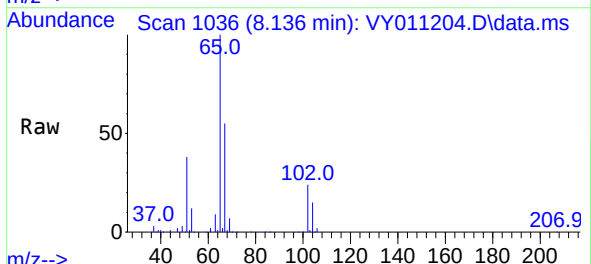


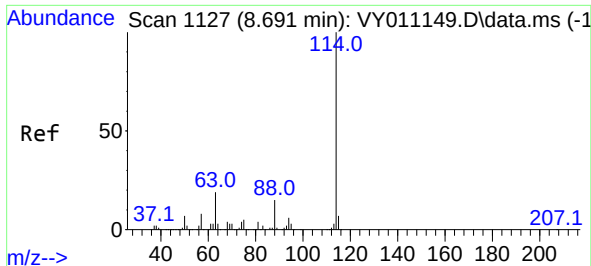
Tgt Ion: 56 Resp: 4494
Ion Ratio Lower Upper
56 100
69 181.8 26.7 40.1#
84 161.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 65.914 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

Tgt Ion: 65 Resp: 156586
Ion Ratio Lower Upper
65 100
67 54.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011204.D

Acq: 31 Oct 2022 17:56

Instrument :

MSVOA_Y

ClientSampleId :

MH-7-WC

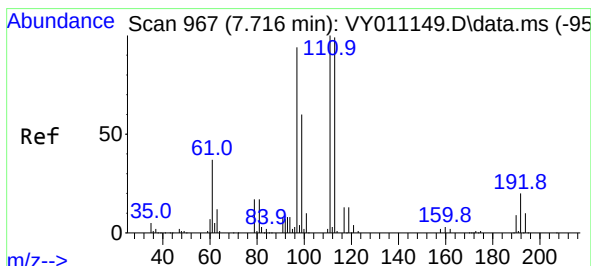
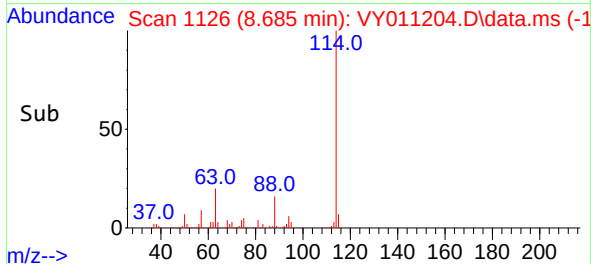
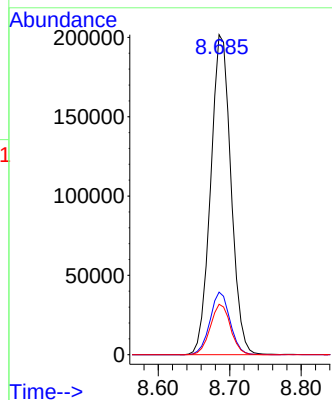
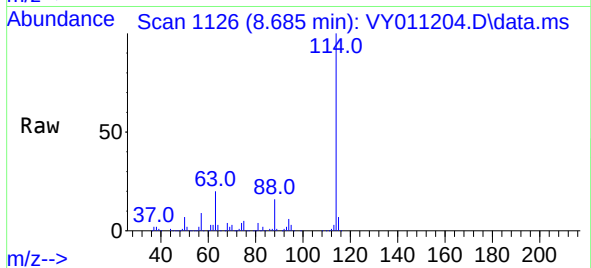
Tgt Ion:114 Resp: 396948

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 61.352 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011204.D

Acq: 31 Oct 2022 17:56

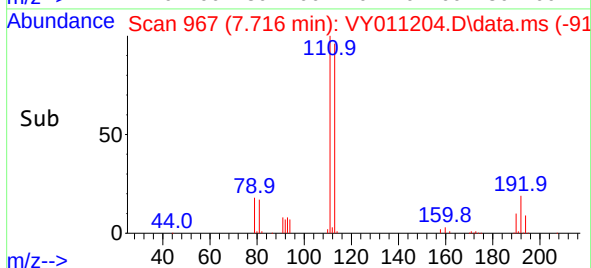
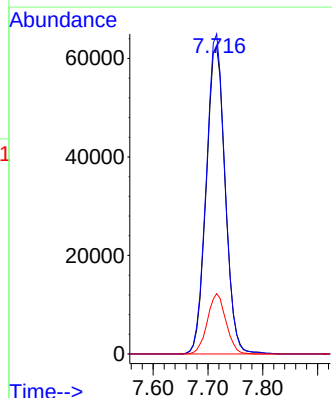
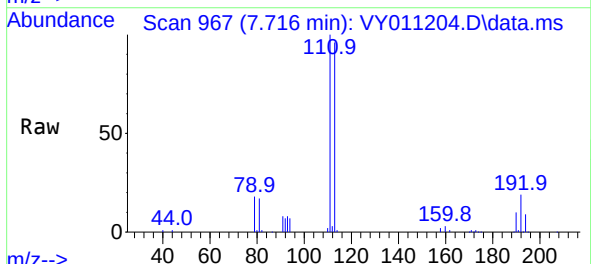
Tgt Ion:113 Resp: 149766

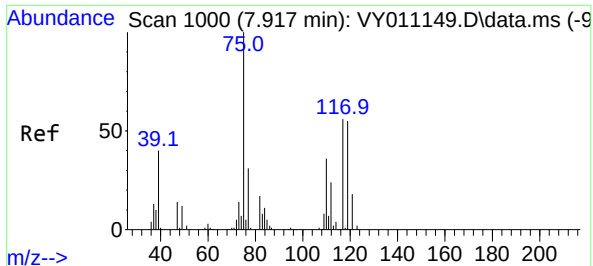
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 19.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.587 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011204.D

Acq: 31 Oct 2022 17:56

Instrument :

MSVOA_Y

ClientSampleId :

MH-7-WC

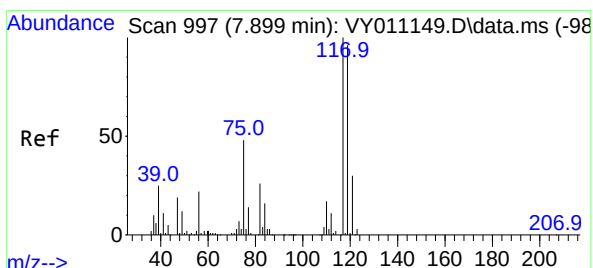
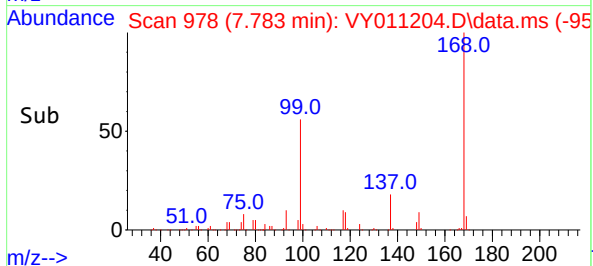
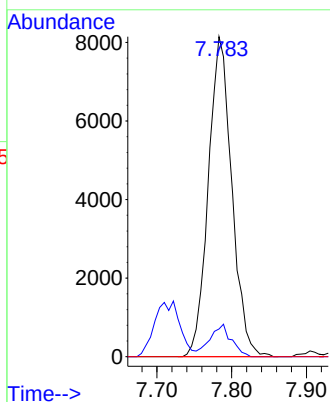
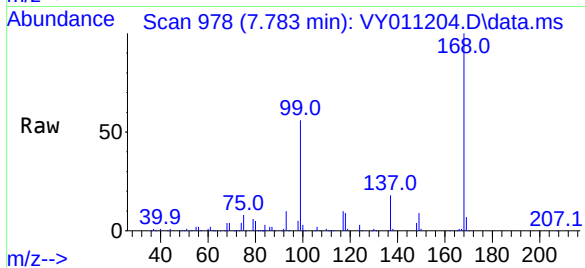
Tgt Ion: 75 Resp: 17779

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.581 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY011204.D

Acq: 31 Oct 2022 17:56

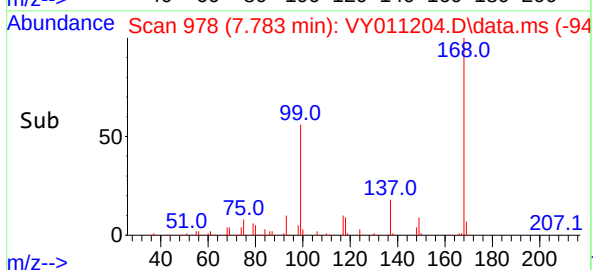
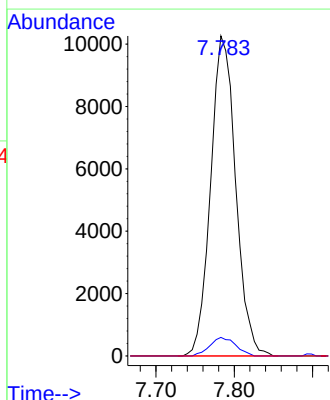
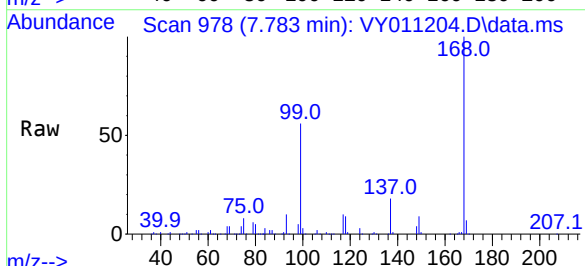
Tgt Ion: 117 Resp: 22811

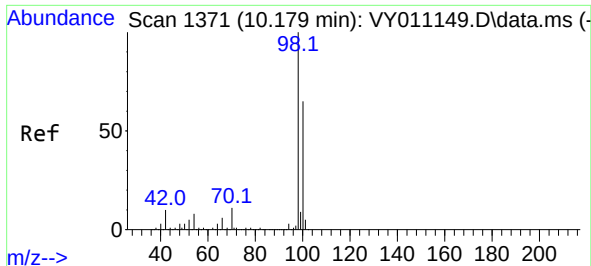
Ion Ratio Lower Upper

117 100

119 5.8 77.9 116.9#

121 0.0 24.8 37.2#

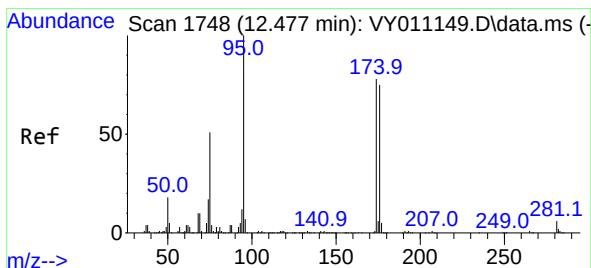
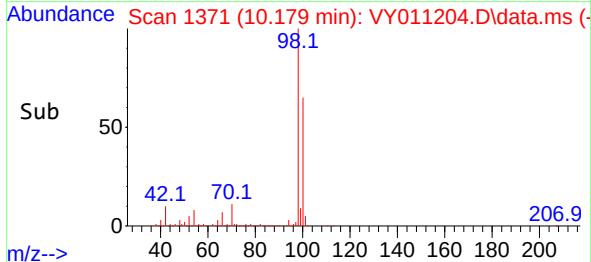
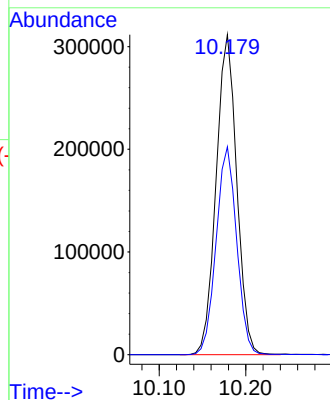
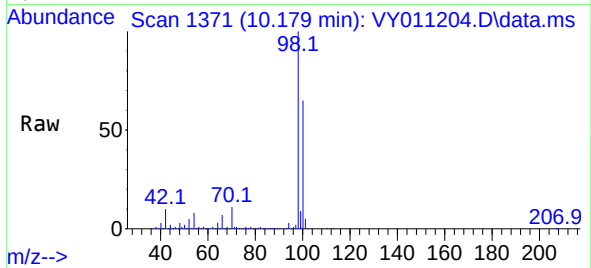




#50
Toluene-d8
Concen: 53.272 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

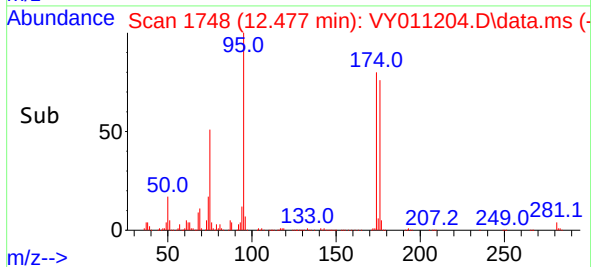
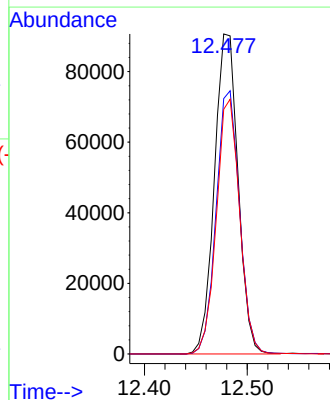
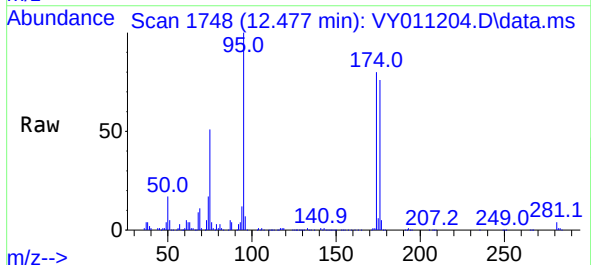
Instrument :
MSVOA_Y
ClientSampleId :
MH-7-WC

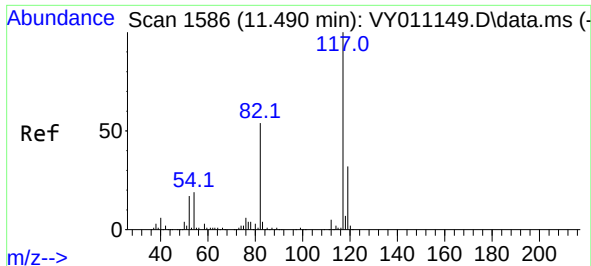
Tgt Ion: 98 Resp: 515178
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 45.768 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

Tgt Ion: 95 Resp: 144827
Ion Ratio Lower Upper
95 100
174 81.1 0.0 177.0
176 78.2 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011204.D

Acq: 31 Oct 2022 17:56

Instrument :

MSVOA_Y

ClientSampleId :

MH-7-WC

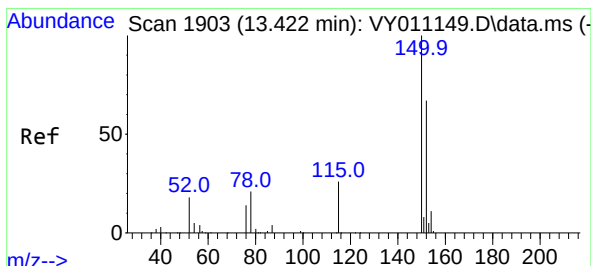
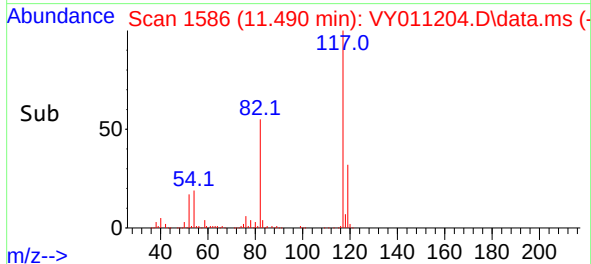
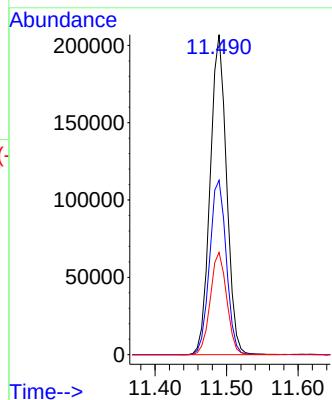
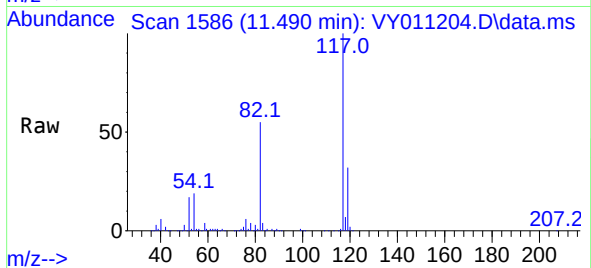
Tgt Ion:117 Resp: 329670

Ion Ratio Lower Upper

117 100

82 54.5 43.0 64.4

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY011204.D

Acq: 31 Oct 2022 17:56

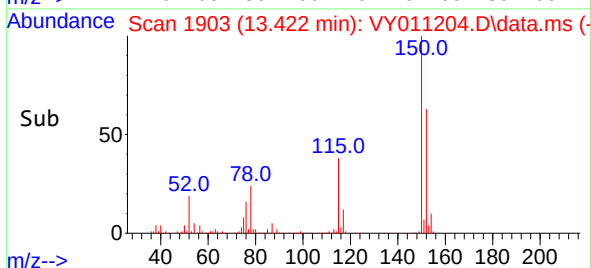
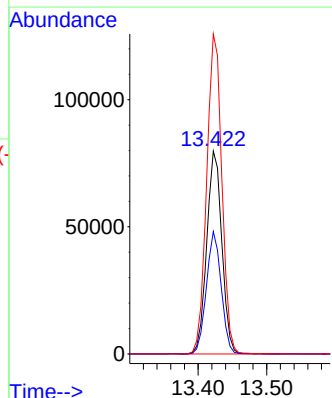
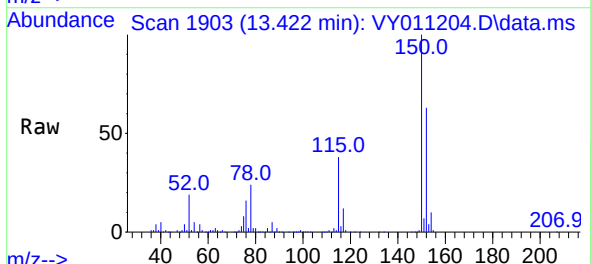
Tgt Ion:152 Resp: 122744

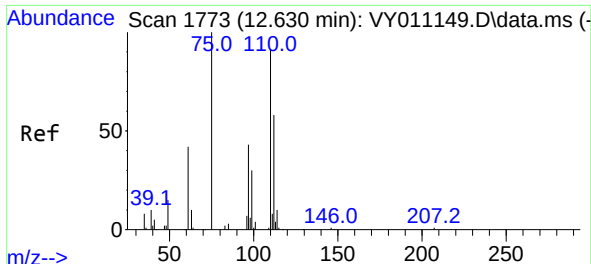
Ion Ratio Lower Upper

152 100

115 59.1 28.2 84.7

150 158.0 0.0 347.6

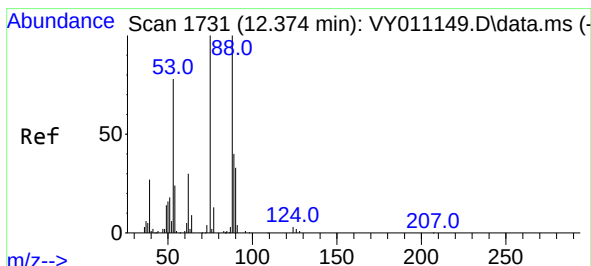
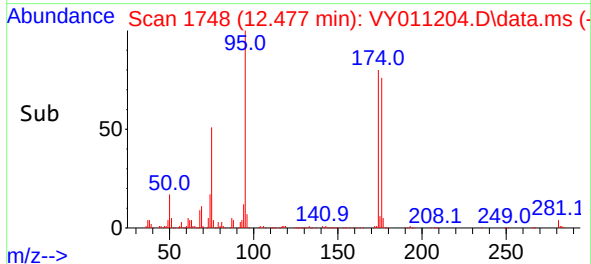
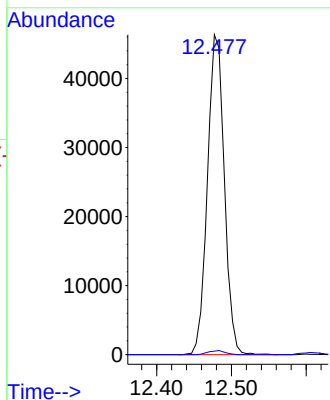
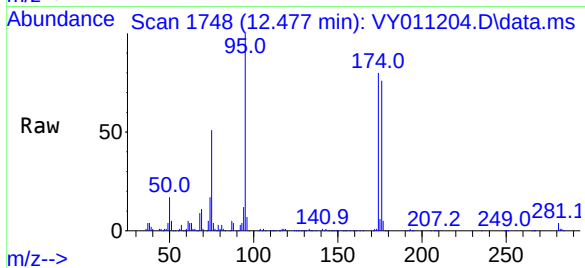




#76
1,2,3-Trichloropropane
Concen: 57.106 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

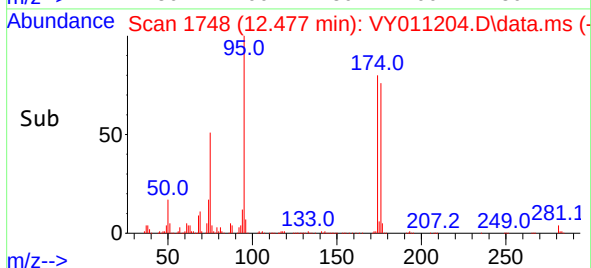
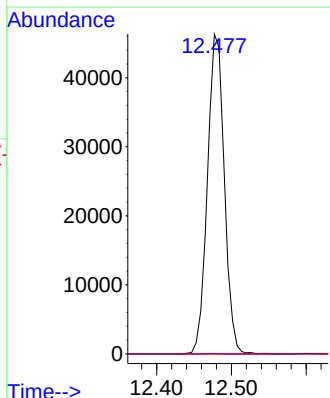
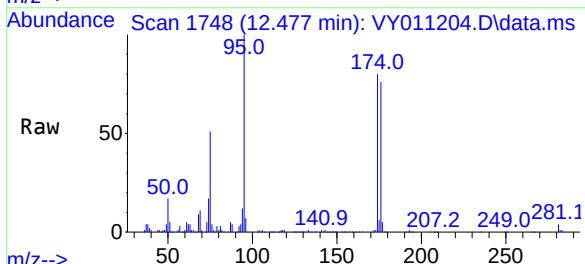
Instrument :
MSVOA_Y
ClientSampleId :
MH-7-WC

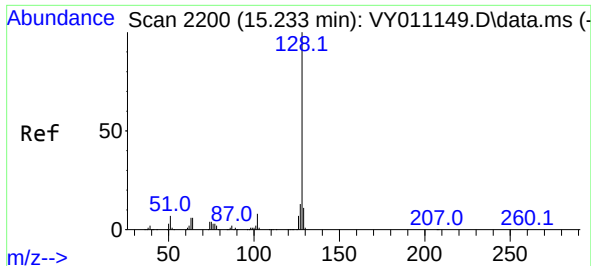
Tgt Ion: 75 Resp: 72875
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.275 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

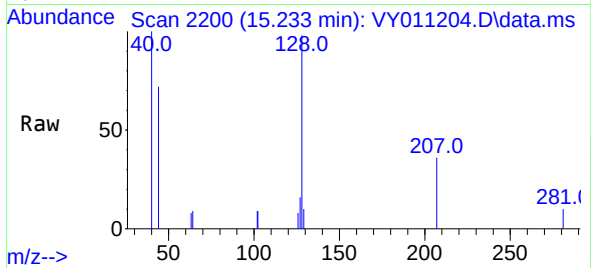
Tgt Ion: 75 Resp: 72875
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.622 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011204.D
Acq: 31 Oct 2022 17:56

Instrument :
MSVOA_Y
ClientSampleId :
MH-7-WC



Tgt Ion:128 Resp: 1291
Ion Ratio Lower Upper
128 100
127 15.3 11.0 16.4
129 6.7 8.4 12.6#

