

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010987.D
 Acq On : 18 Oct 2022 11:51
 Operator : KP/MD
 Sample : N5105-01
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-7

Quant Time: Oct 18 15:23:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

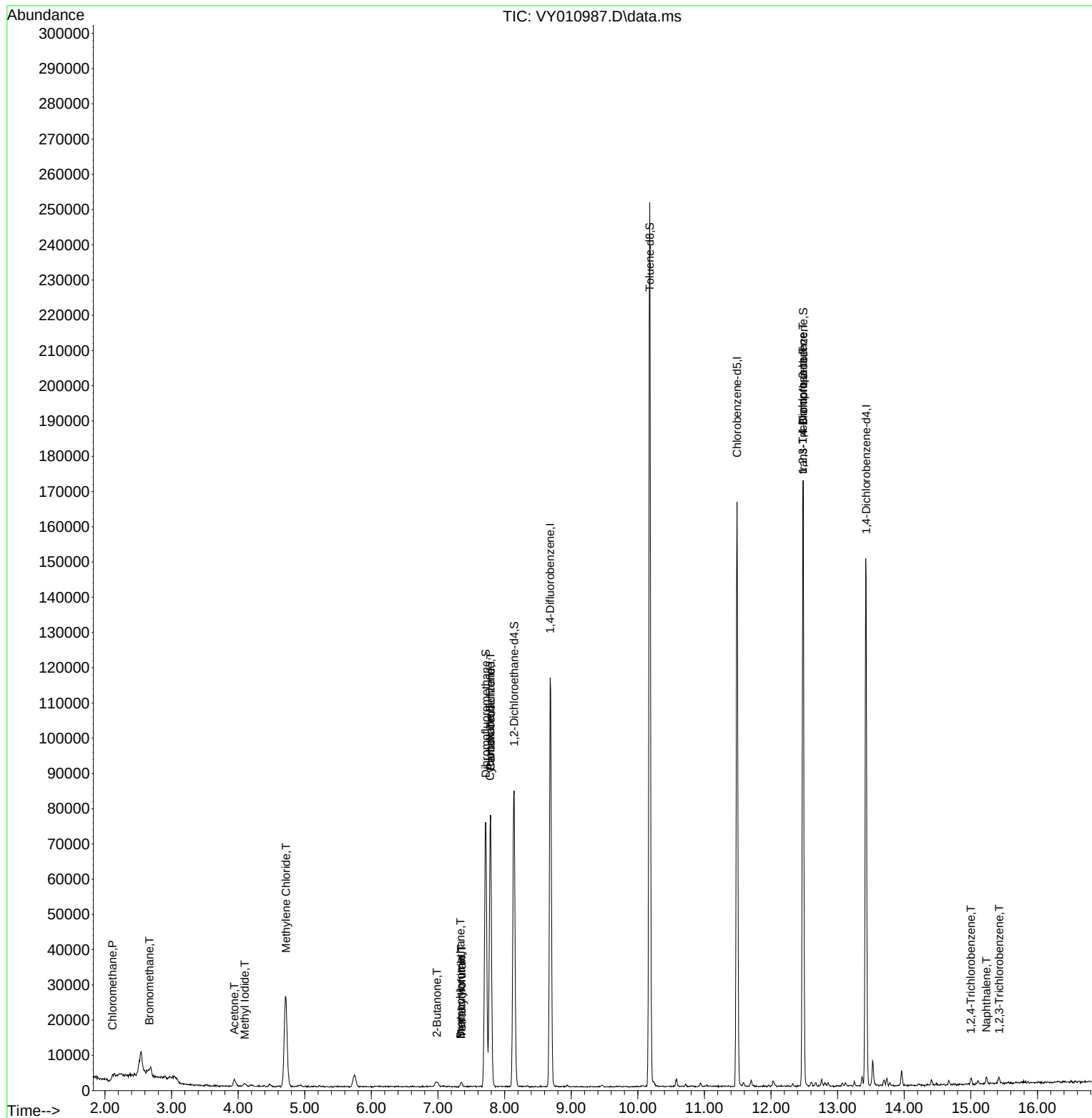
Internal Standards						
1) Pentafluorobenzene	7.789	168	60177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	103185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	93043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	41506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	65436	118.048	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 236.100%#	
35) Dibromofluoromethane	7.716	113	54840	97.386	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 194.780%#	
50) Toluene-d8	10.179	98	166098	77.093	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 154.180%#	
62) 4-Bromofluorobenzene	12.483	95	53267	71.091	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 142.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	708	1.236	ug/l #	76
5) Bromomethane	2.668	94	754	1.680	ug/l	95
10) Methyl Iodide	4.101	142	1459	2.001	ug/l #	85
11) Tert butyl alcohol	4.942	59	279	Below Cal	#	77
16) Acetone	3.942	43	3630	22.550	ug/l #	80
18) Methyl Acetate	4.473	43	1159	Below Cal	#	74
20) Methylene Chloride	4.716	84	20553	26.304	ug/l #	84
25) 2-Butanone	6.984	43	1209	4.953	ug/l #	88
28) Bromochloromethane	7.338	49	26	3.579	ug/l #	16
29) Tetrahydrofuran	7.356	42	956	6.365	ug/l #	87
31) Cyclohexane	7.783	56	1414	1.333	ug/l #	22
38) Carbon Tetrachloride	7.789	117	5909	5.959	ug/l #	14
41) Methacrylonitrile	7.350	41	515	1.787	ug/l #	24
76) 1,2,3-Trichloropropane	12.477	75	26655	56.565	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	26655	121.656	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.001	180	783	1.041	ug/l	82
95) Naphthalene	15.233	128	1924	1.256	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	689	1.050	ug/l	89

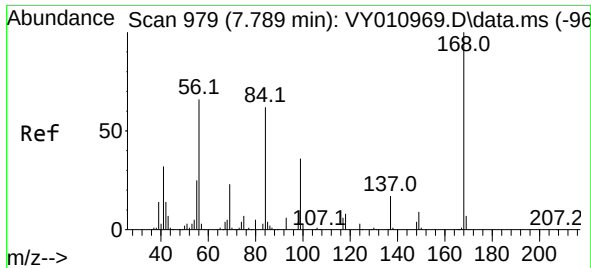
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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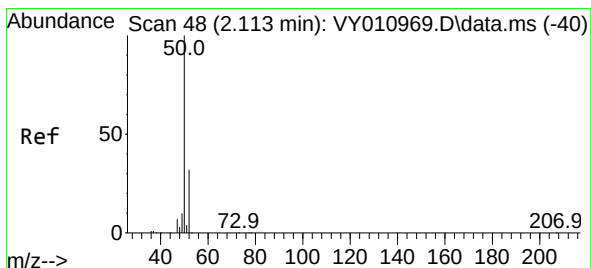
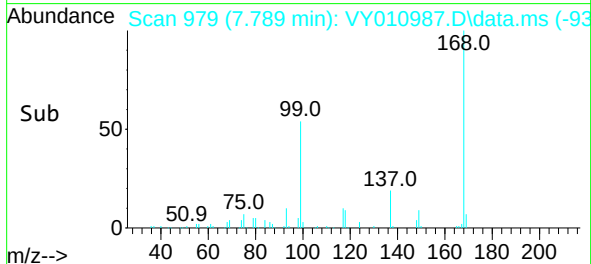
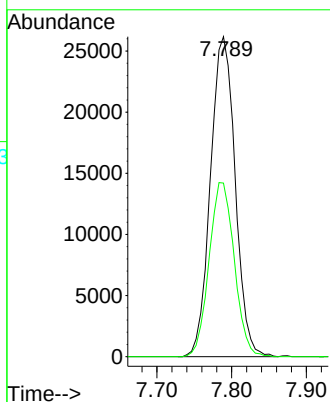
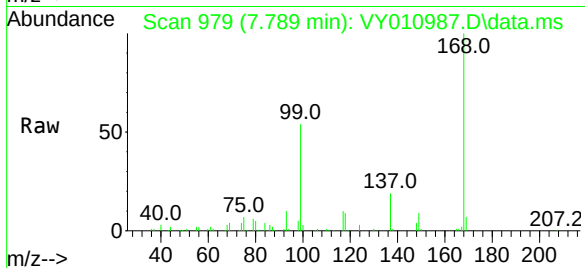




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

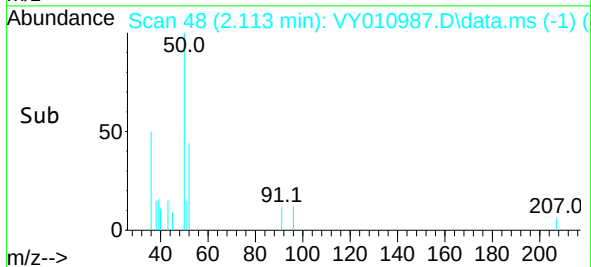
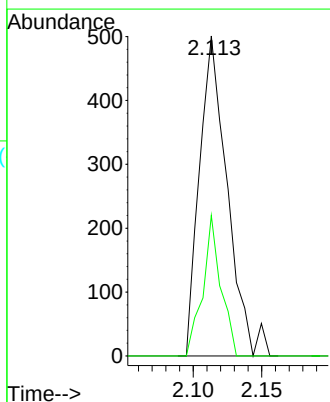
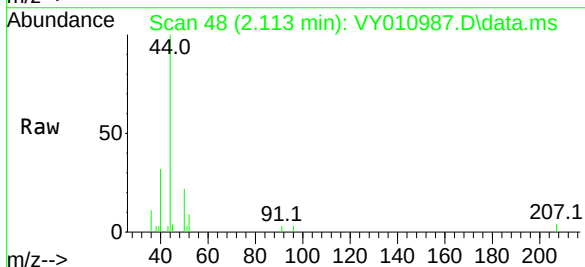
Instrument :
MSVOA_Y
ClientSampleId :
WC-7

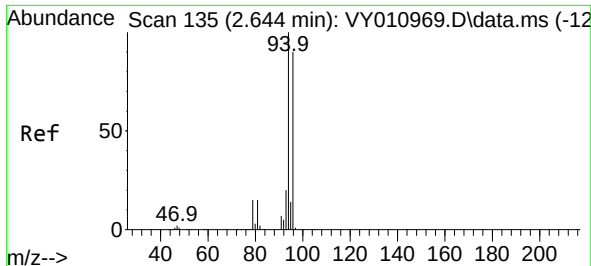
Tgt Ion:168 Resp: 60177
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#3
Chloromethane
Concen: 1.236 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

Tgt Ion: 50 Resp: 708
Ion Ratio Lower Upper
50 100
52 43.9 24.6 37.0#

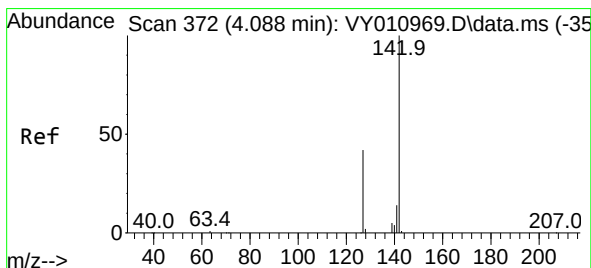
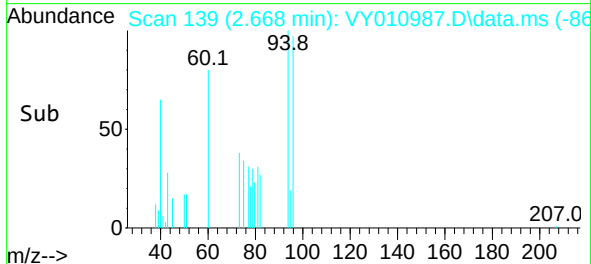
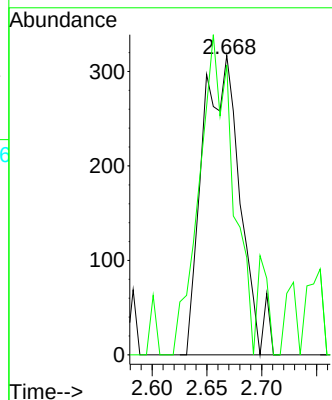
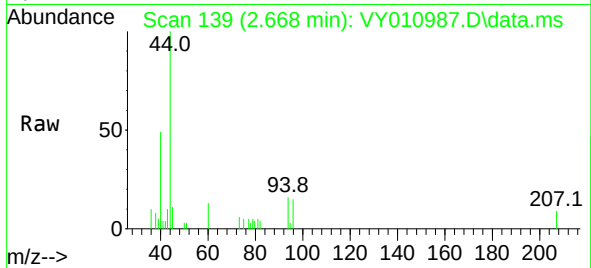




#5
Bromomethane
Concen: 1.680 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

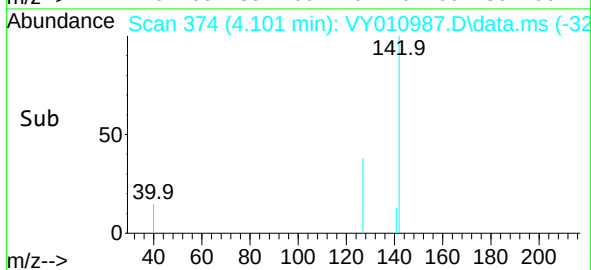
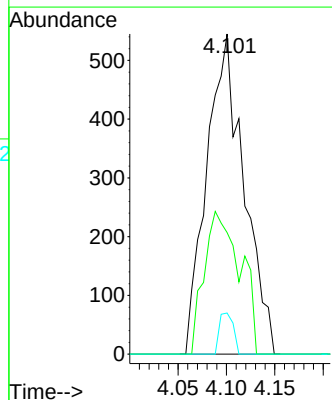
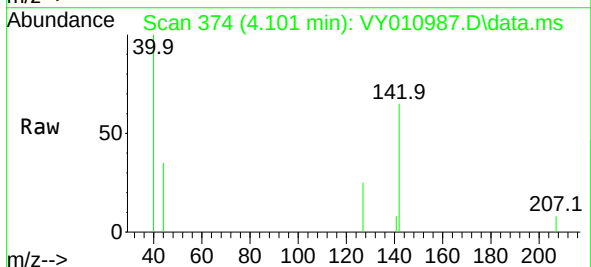
Instrument :
MSVOA_Y
ClientSampleId :
WC-7

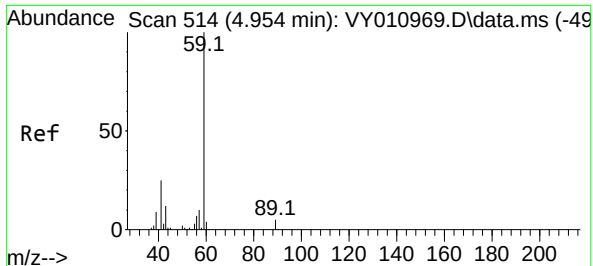
Tgt Ion: 94 Resp: 754
Ion Ratio Lower Upper
94 100
96 96.8 73.5 110.3



#10
Methyl Iodide
Concen: 2.001 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

Tgt Ion:142 Resp: 1459
Ion Ratio Lower Upper
142 100
127 43.2 41.5 62.3
141 4.8 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 514

Delta R.T. -0.012 min

Lab File: VY010987.D

Acq: 18 Oct 2022 11:51

Instrument :

MSVOA_Y

ClientSampleId :

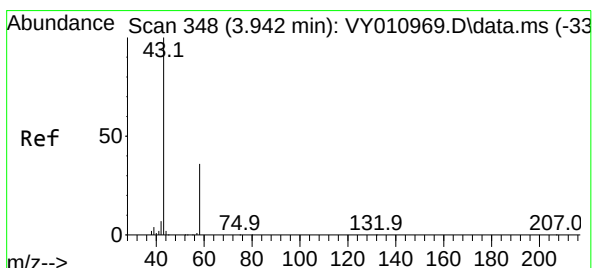
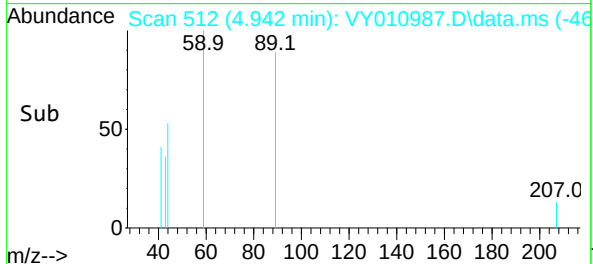
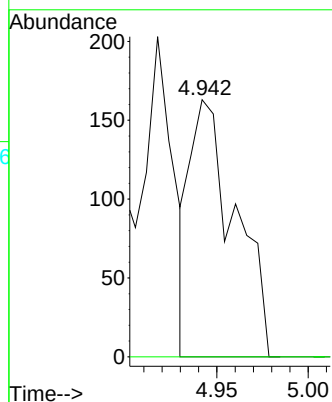
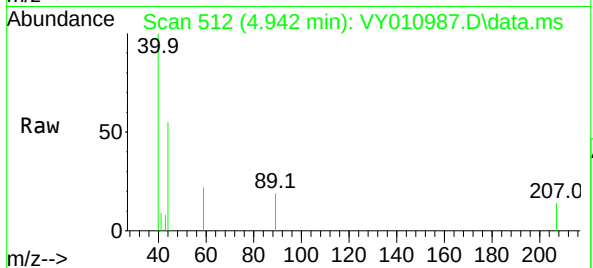
WC-7

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 22.550 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010987.D

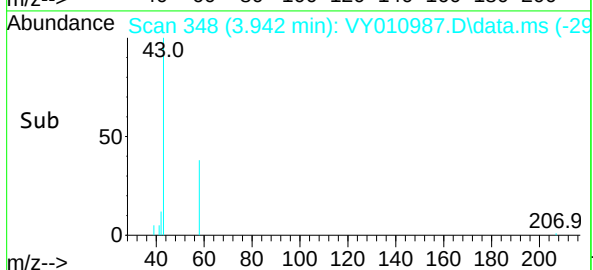
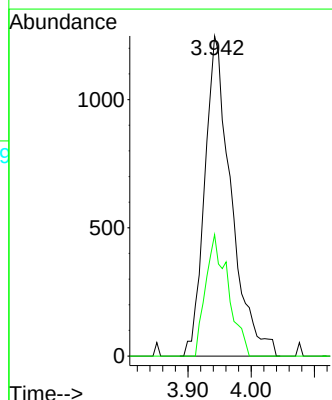
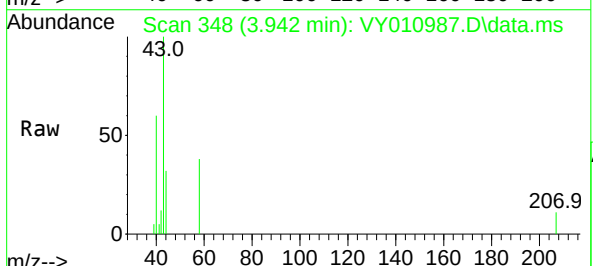
Acq: 18 Oct 2022 11:51

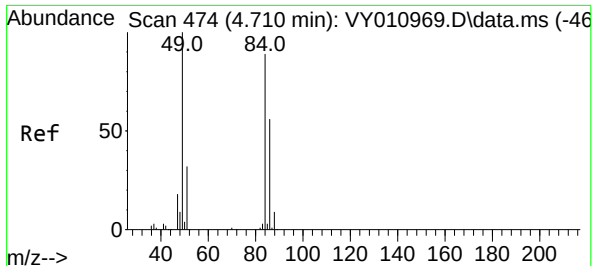
Tgt Ion: 43 Resp: 3630

Ion Ratio Lower Upper

43 100

58 37.9 22.0 33.0#

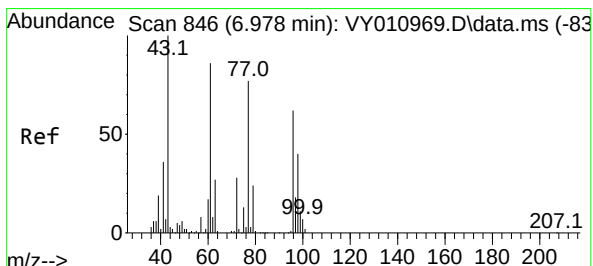
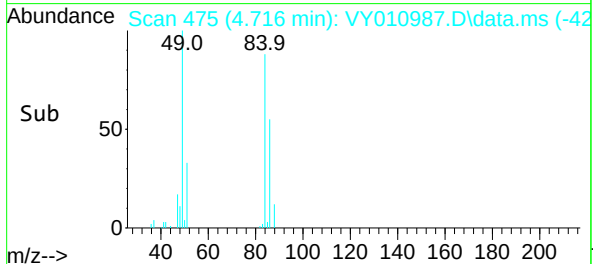
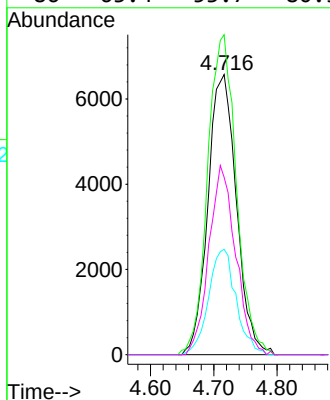
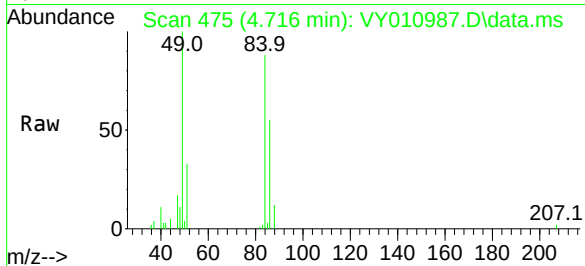




#20
Methylene Chloride
Concen: 26.304 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

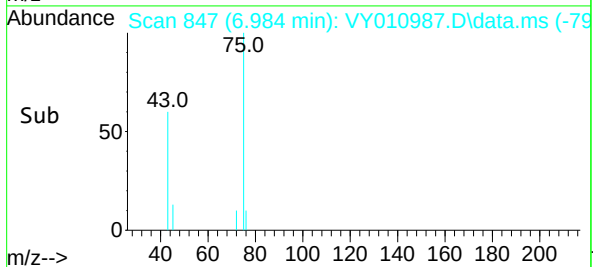
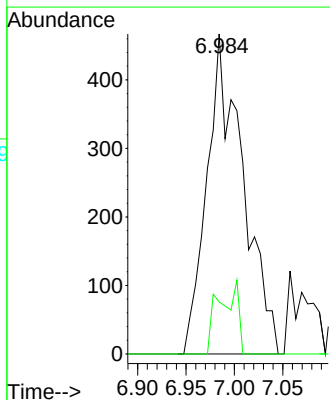
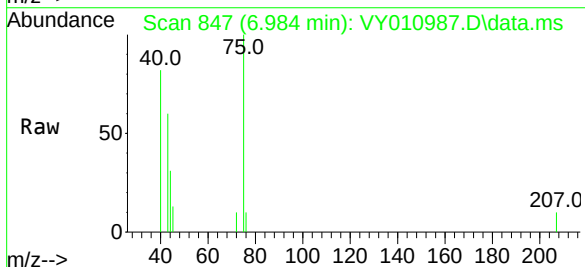
Instrument :
MSVOA_Y
ClientSampleId :
WC-7

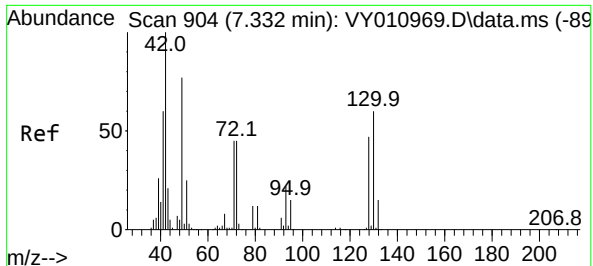
Tgt Ion: 84 Resp: 20553
Ion Ratio Lower Upper
84 100
49 114.2 114.4 171.6#
51 37.7 35.3 52.9
86 63.4 53.7 80.5



#25
2-Butanone
Concen: 4.953 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
72 16.3 17.7 26.5#





#28

Bromochloromethane

Concen: 3.579 ug/l

RT: 7.338 min Scan# 904

Delta R.T. 0.006 min

Lab File: VY010987.D

Acq: 18 Oct 2022 11:51

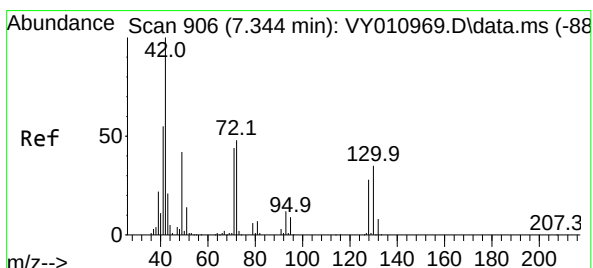
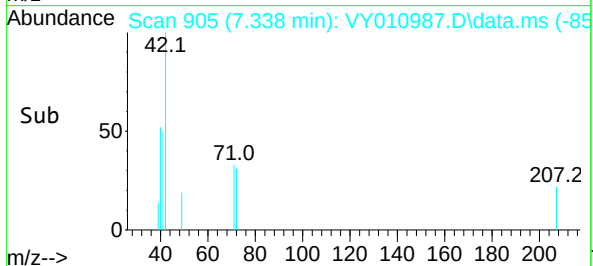
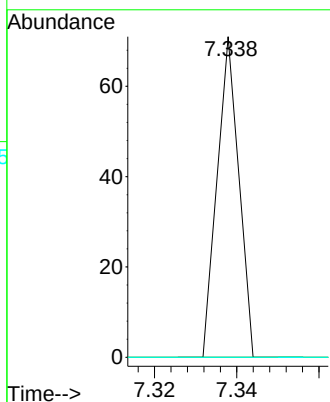
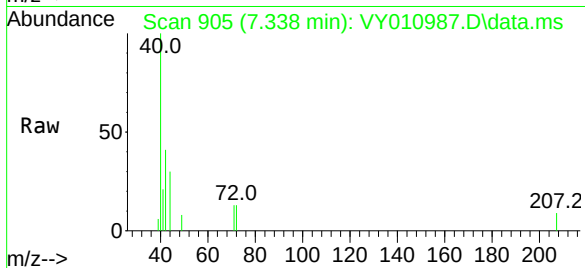
Instrument :

MSVOA_Y

ClientSampleId :

WC-7

Tgt Ion: 49	Resp:	26
Ion Ratio	Lower	Upper
49	100	
129	0.0	0.0 2.2
130	0.0	55.4 83.0#



#29

Tetrahydrofuran

Concen: 6.365 ug/l

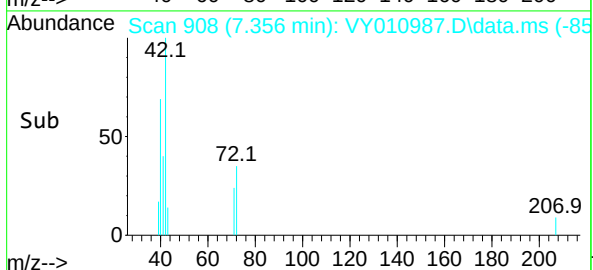
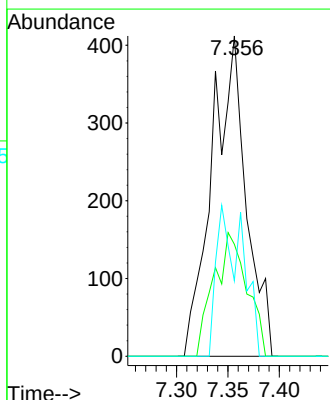
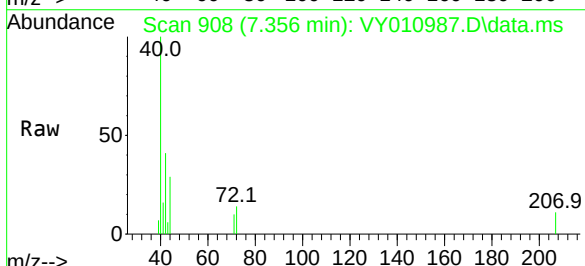
RT: 7.356 min Scan# 908

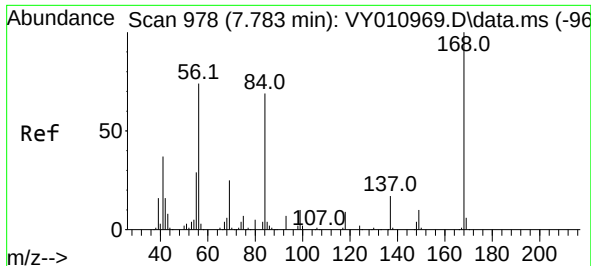
Delta R.T. 0.012 min

Lab File: VY010987.D

Acq: 18 Oct 2022 11:51

Tgt Ion: 42	Resp:	956
Ion Ratio	Lower	Upper
42	100	
72	37.3	30.3 45.5
71	21.2	29.0 43.4#

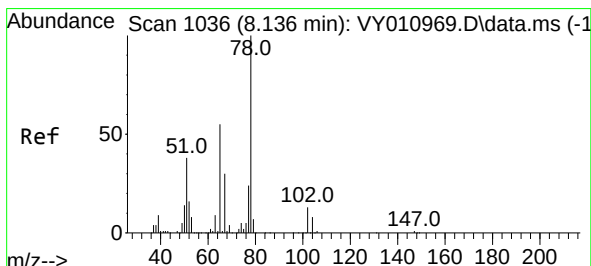
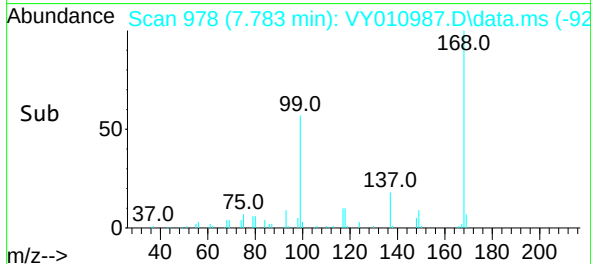
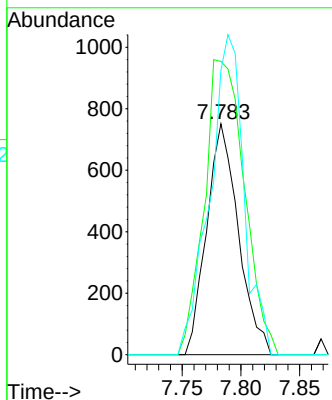
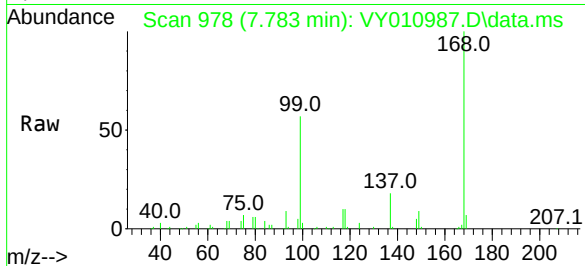




#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

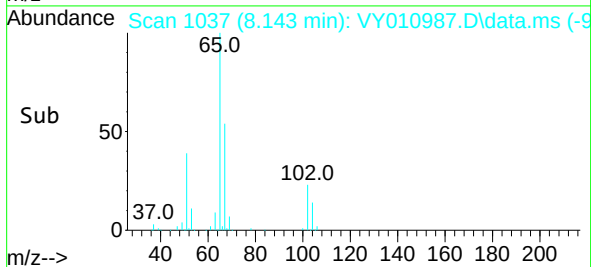
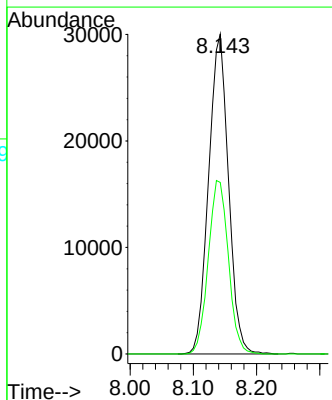
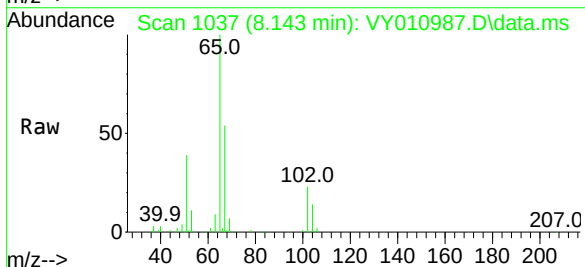
Instrument :
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WC-7

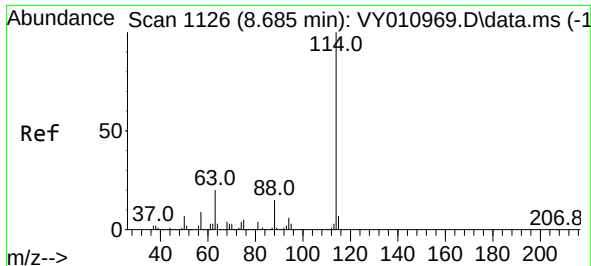
Tgt Ion: 56 Resp: 1414
Ion Ratio Lower Upper
56 100
69 127.0 26.7 40.1#
84 123.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 118.048 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

Tgt Ion: 65 Resp: 65436
Ion Ratio Lower Upper
65 100
67 55.0 0.0 99.4

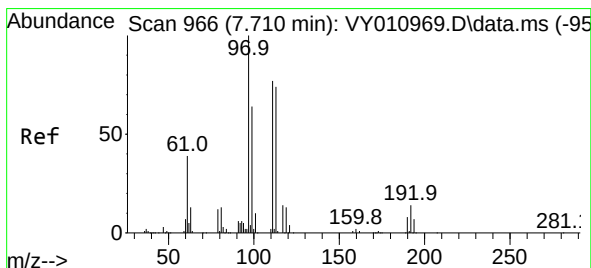
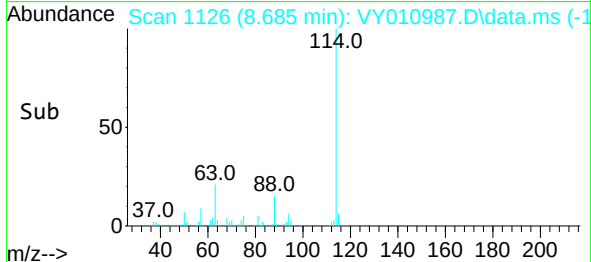
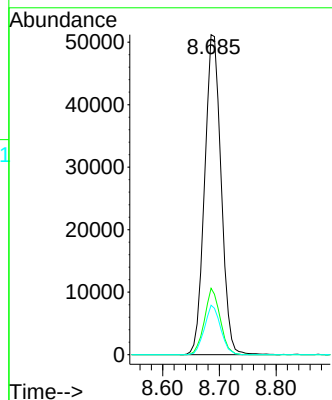
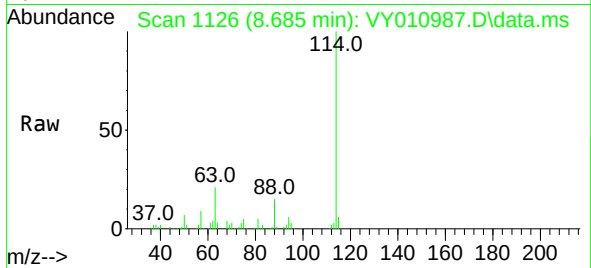




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

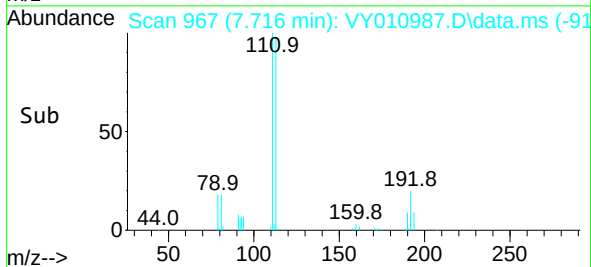
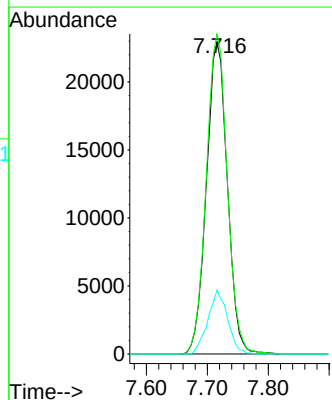
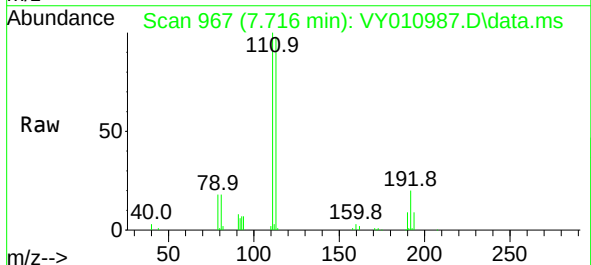
Instrument :
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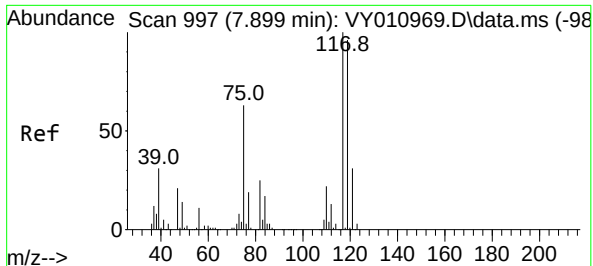
Tgt Ion:114 Resp: 103185
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.2
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 97.386 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

Tgt Ion:113 Resp: 54840
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 19.2 17.6 26.4

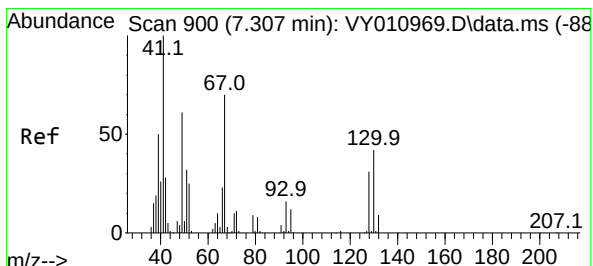
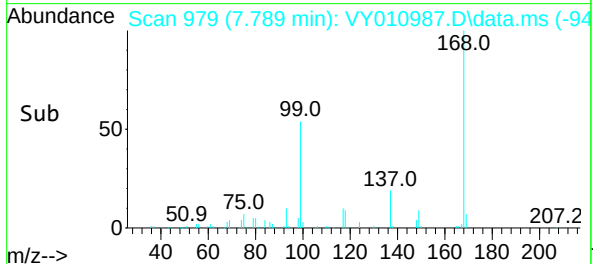
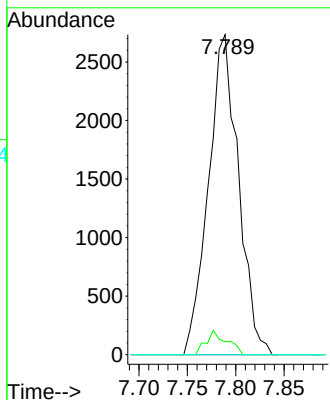
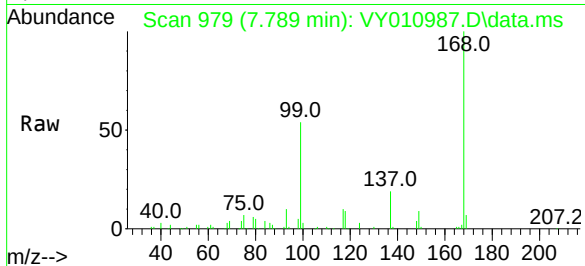




#38
Carbon Tetrachloride
Concen: 5.959 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

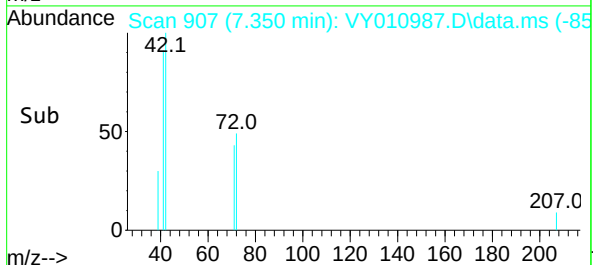
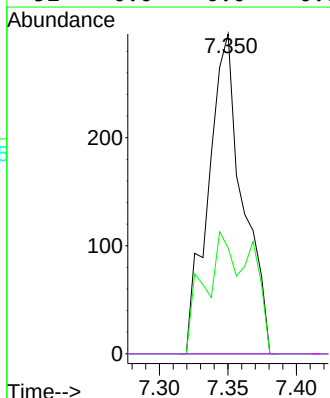
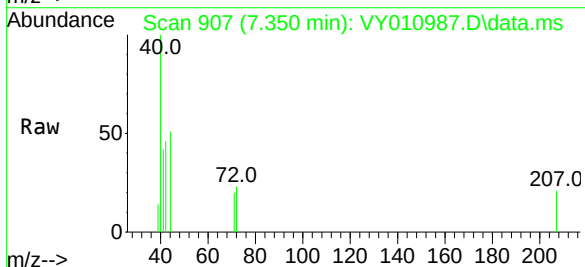
Instrument :
MSVOA_Y
ClientSampleId :
WC-7

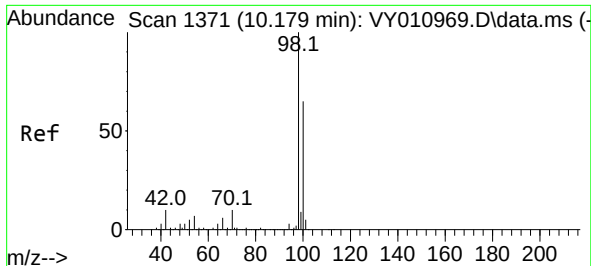
Tgt Ion:117 Resp: 5909
Ion Ratio Lower Upper
117 100
119 4.0 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 1.787 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

Tgt Ion: 41 Resp: 515
Ion Ratio Lower Upper
41 100
39 33.6 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

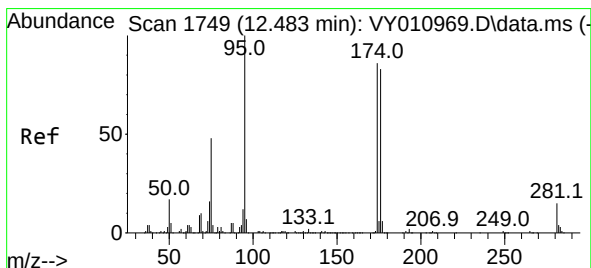
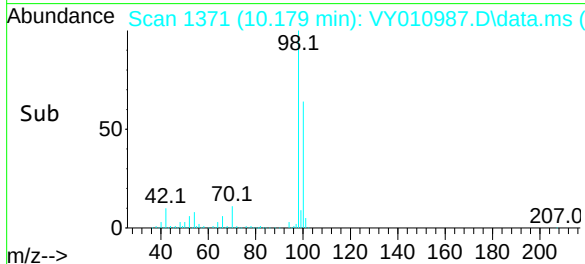
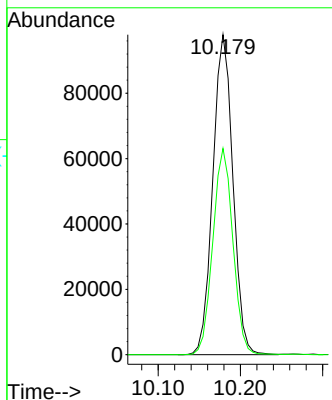
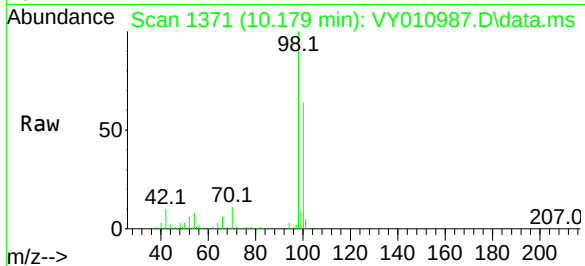




#50
Toluene-d8
Concen: 77.093 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

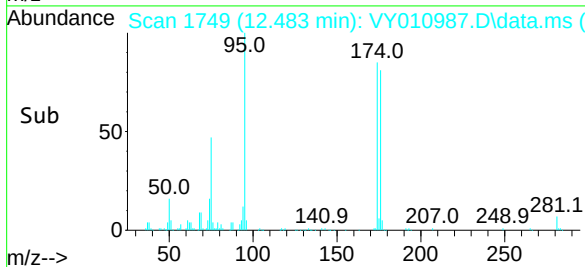
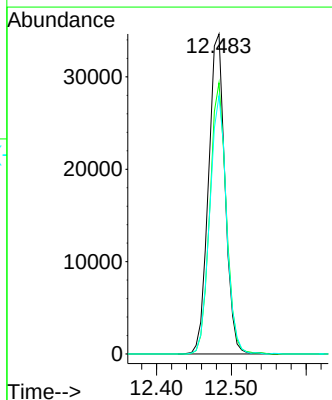
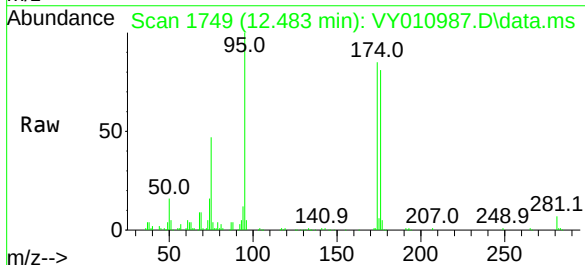
Instrument :
MSVOA_Y
ClientSampleId :
WC-7

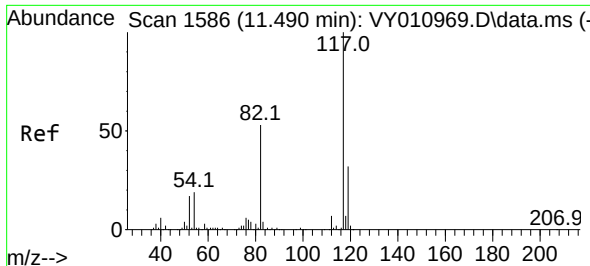
Tgt Ion: 98 Resp: 166098
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 71.091 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

Tgt Ion: 95 Resp: 53267
Ion Ratio Lower Upper
95 100
174 84.1 0.0 177.0
176 81.9 0.0 175.8

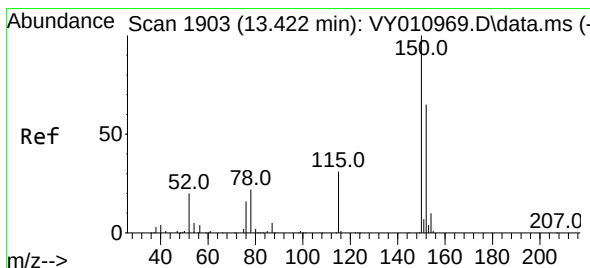
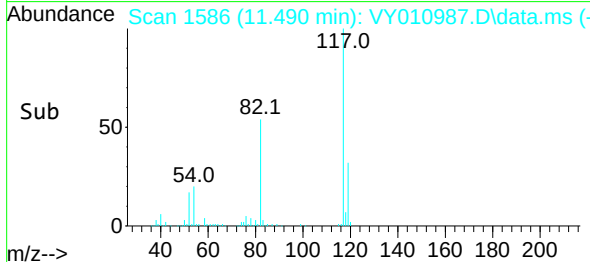
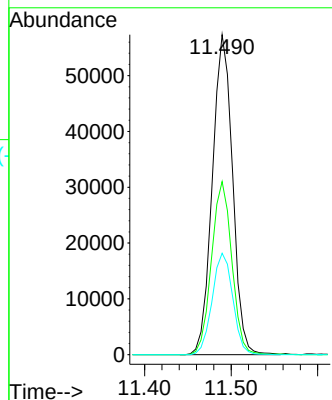
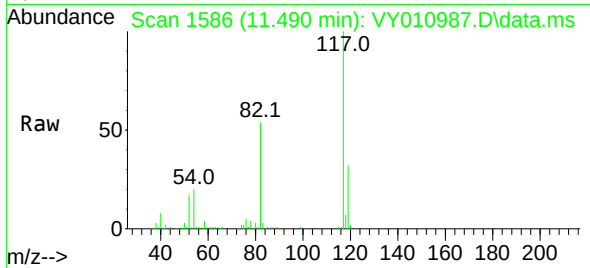




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

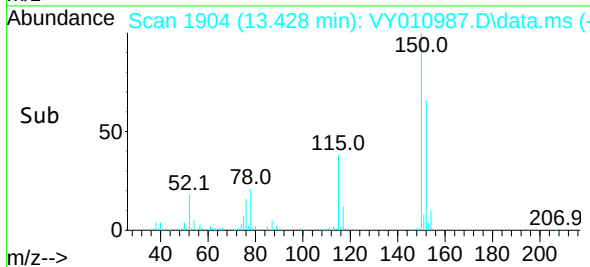
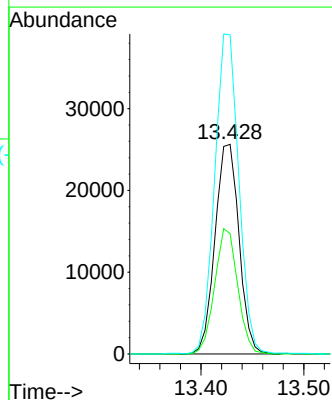
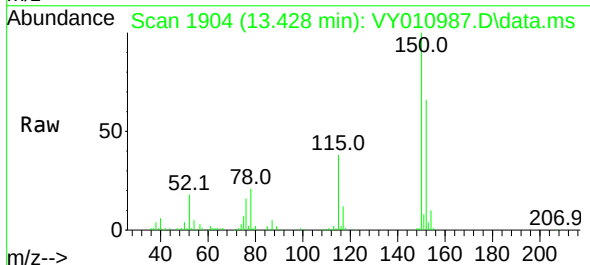
Instrument :
MSVOA_Y
ClientSampleId :
WC-7

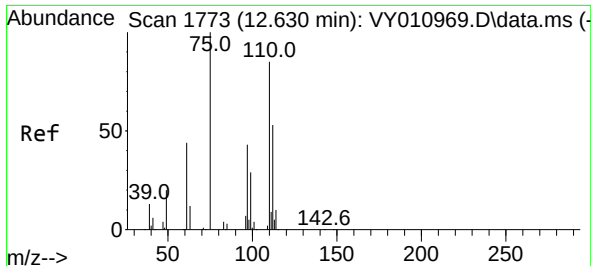
Tgt Ion:117 Resp: 93043
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

Tgt Ion:152 Resp: 41506
Ion Ratio Lower Upper
152 100
115 57.4 28.2 84.7
150 153.9 0.0 347.6

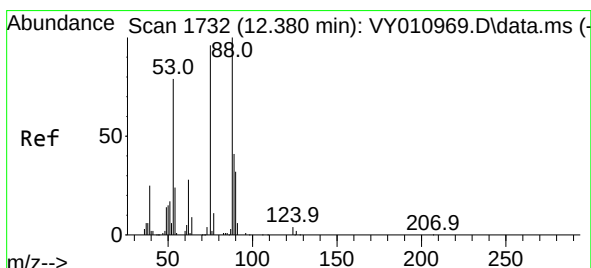
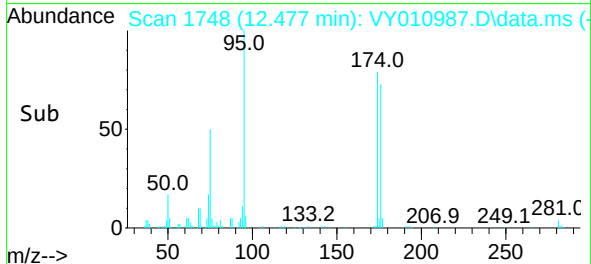
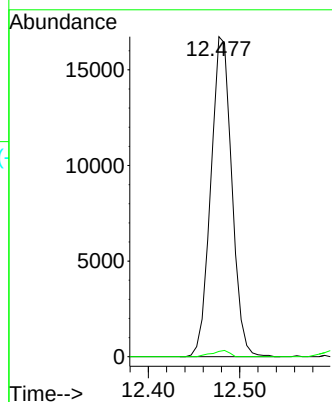
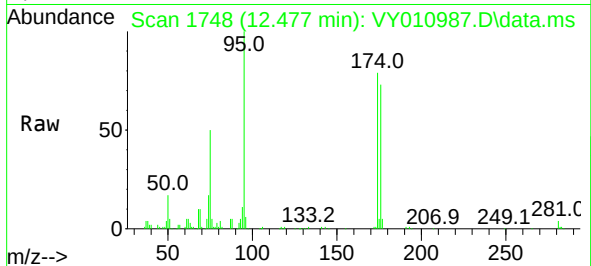




#76
1,2,3-Trichloropropane
Concen: 56.565 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

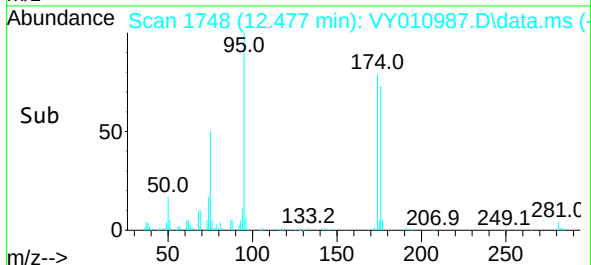
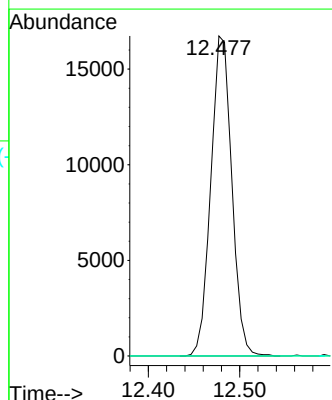
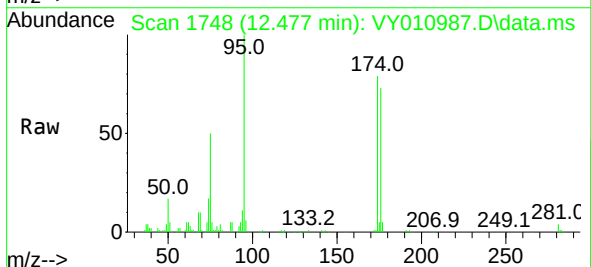
Instrument :
MSVOA_Y
ClientSampleId :
WC-7

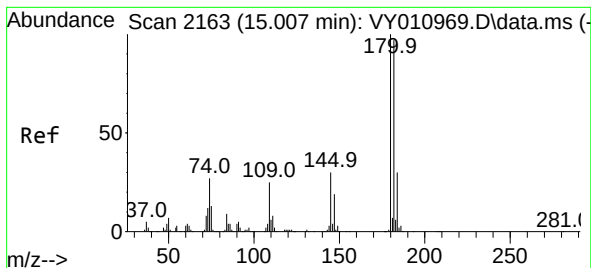
Tgt Ion: 75 Resp: 26655
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.656 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010987.D
Acq: 18 Oct 2022 11:51

Tgt Ion: 75 Resp: 26655
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#93

1,2,4-Trichlorobenzene

Concen: 1.041 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY010987.D

Acq: 18 Oct 2022 11:51

Instrument :

MSVOA_Y

ClientSampleId :

WC-7

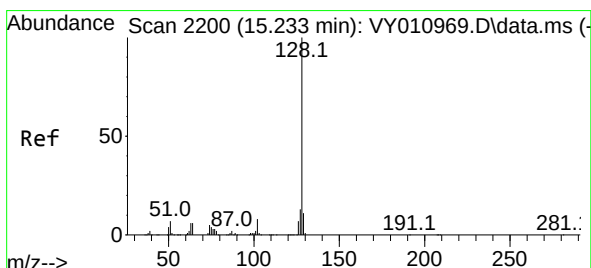
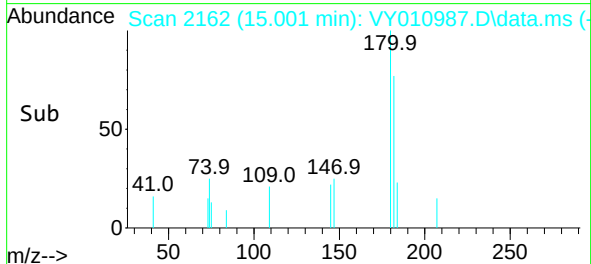
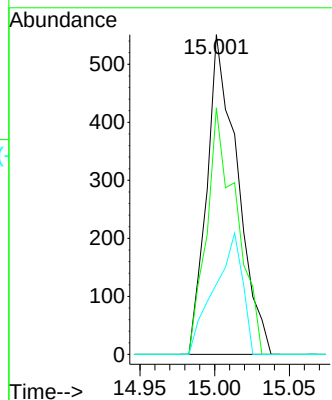
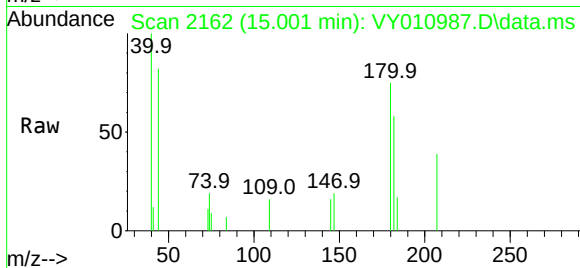
Tgt Ion:180 Resp: 783

Ion Ratio Lower Upper

180 100

182 75.1 47.3 141.9

145 35.0 14.6 43.8



#95

Naphthalene

Concen: 1.256 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY010987.D

Acq: 18 Oct 2022 11:51

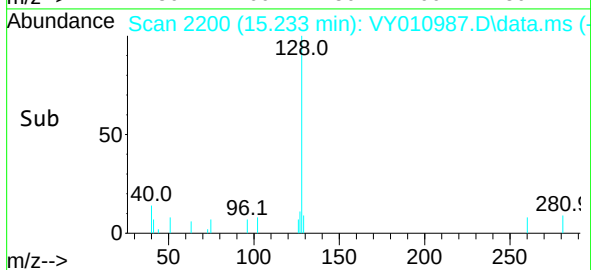
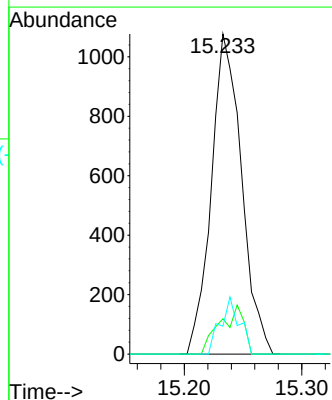
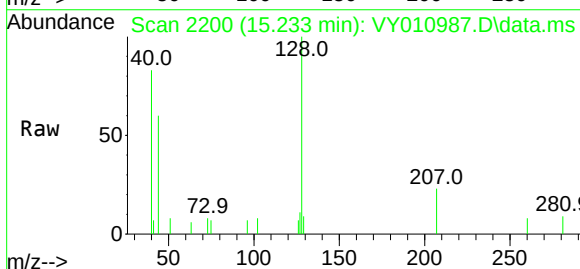
Tgt Ion:128 Resp: 1924

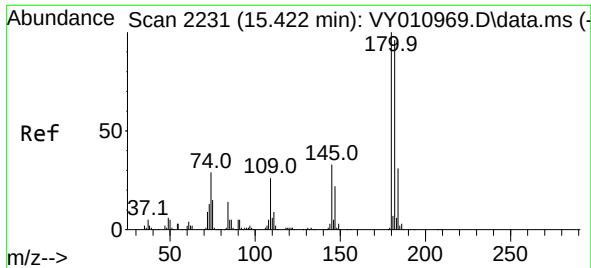
Ion Ratio Lower Upper

128 100

127 12.1 11.0 16.4

129 11.2 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 1.050 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY010987.D
 Acq: 18 Oct 2022 11:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-7

Tgt Ion:180 Resp: 689

Ion	Ratio	Lower	Upper
180	100		
182	89.7	47.3	141.9
145	45.9	15.3	45.9

