

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010718.D
 Acq On : 28 Sep 2022 15:51
 Operator : KP/MD
 Sample : N4850-01
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14B-SP-2

Quant Time: Sep 29 01:13:45 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)

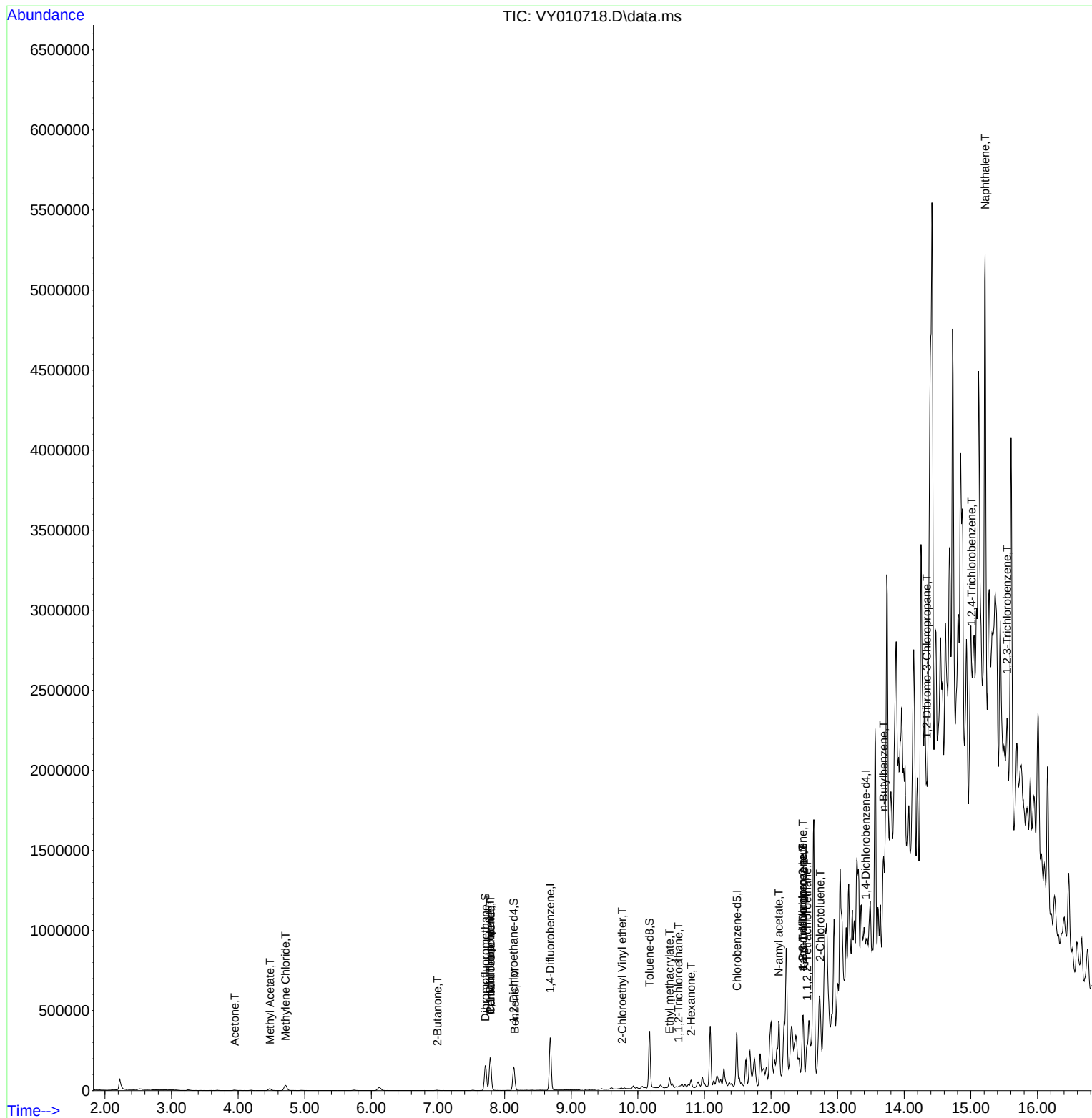
Internal Standards						
1) Pentafluorobenzene	7.789	168	157564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	282024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	163734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	66930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111079	73.706	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.420%	
35) Dibromofluoromethane	7.710	113	111956	62.202	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.400%	
50) Toluene-d8	10.179	98	233356	36.012	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 72.020%	
62) 4-Bromofluorobenzene	12.477	95	72295	28.101	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 56.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	94	Below Cal	#	43
3) Chloromethane	2.113	50	591	Below Cal		96
4) Vinyl Chloride	2.247	62	80	Below Cal	#	43
5) Bromomethane	2.650	94	420	Below Cal	#	53
11) Tert butyl alcohol	4.948	59	1415	Below Cal		100
16) Acetone	3.948	43	5301	17.249	ug/l	90
17) Carbon Disulfide	4.198	76	3463	Below Cal		95
18) Methyl Acetate	4.479	43	23050	25.501	ug/l	93
20) Methylene Chloride	4.710	84	25356	4.772	ug/l	86
25) 2-Butanone	6.990	43	1971	4.100	ug/l	92
31) Cyclohexane	7.783	56	3518	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	12264	6.115	ug/l	# 52
38) Carbon Tetrachloride	7.789	117	15532	6.736	ug/l	# 15
40) Benzene	8.155	78	9373	1.568	ug/l	98
55) 1,1,2-Trichloroethane	10.612	97	2766	2.070	ug/l	# 20
56) Ethyl methacrylate	10.477	69	17777	10.272	ug/l	# 64
58) 2-Chloroethyl Vinyl ether	9.764	63	90	20.561	ug/l	# 1
59) 2-Hexanone	10.801	43	17288	21.277	ug/l	# 36
74) N-amyl acetate	12.117	43	92063	91.782	ug/l	# 47
75) 1,1,2,2-Tetrachloroethane	12.544	83	30108	35.720	ug/l	# 26
76) 1,2,3-Trichloropropane	12.477	75	32671	51.144	ug/l	# 100
79) 2-Chlorotoluene	12.739	91	5807	2.068	ug/l	# 66
81) trans-1,4-Dichloro-2-b...	12.477	75	32671	113.716	ug/l	# 18
89) n-Butylbenzene	13.690	91	4632	1.319	ug/l	# 43
92) 1,2-Dibromo-3-Chloropr...	14.336	75	921	6.548	ug/l	# 13
93) 1,2,4-Trichlorobenzene	15.013	180	8629	7.949	ug/l	# 1
95) Naphthalene	15.214	128	7002	3.201	ug/l	# 1
96) 1,2,3-Trichlorobenzene	15.544	180	8886	9.401	ug/l	64

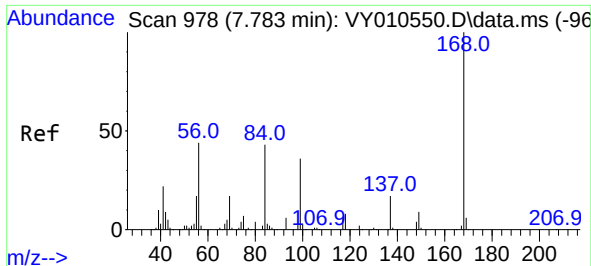
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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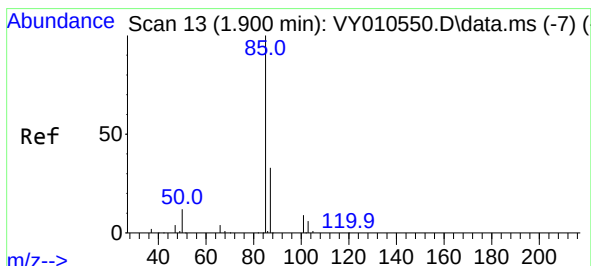
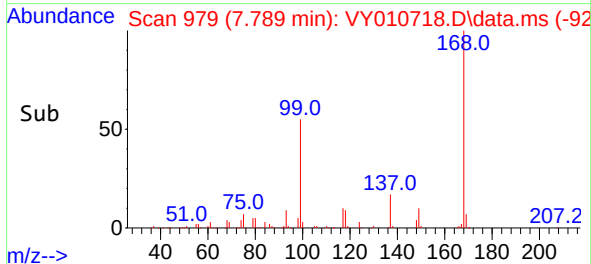
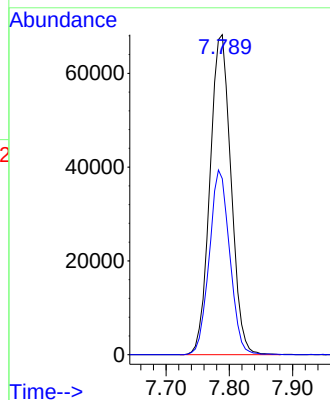
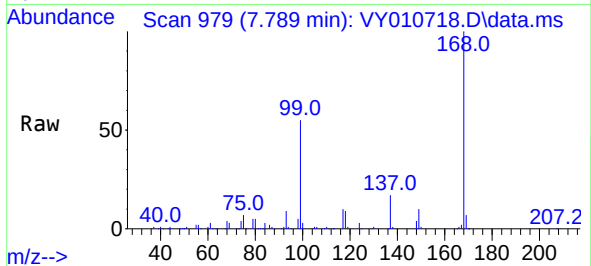




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

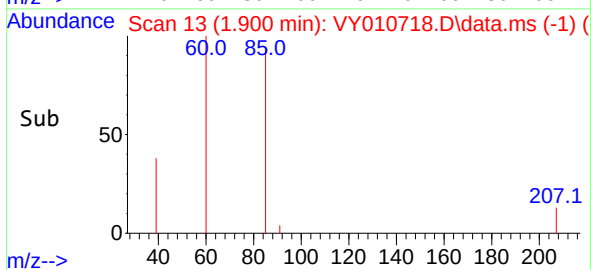
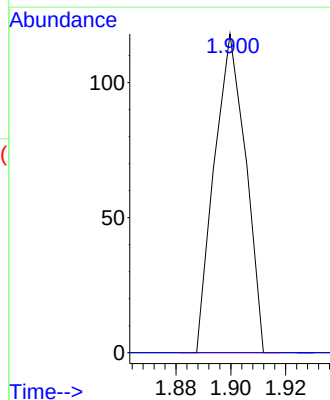
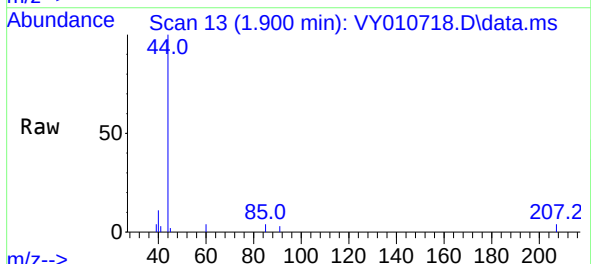
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

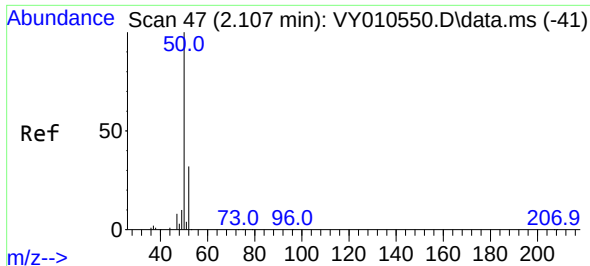
Tgt Ion:168 Resp: 157564
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 85 Resp: 94
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

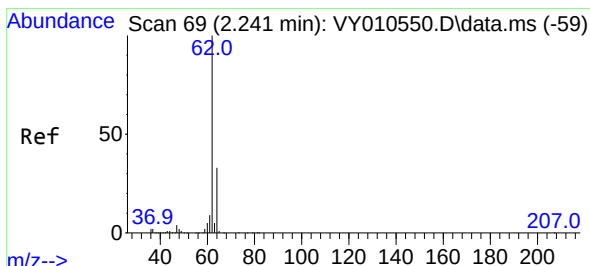
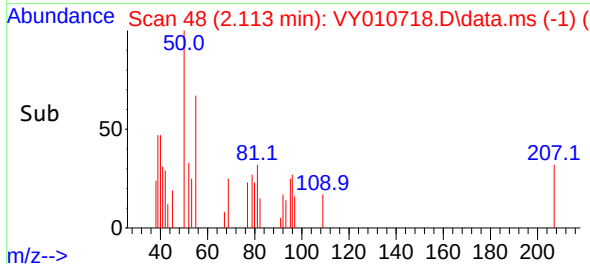
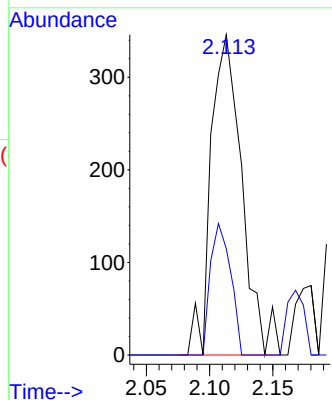
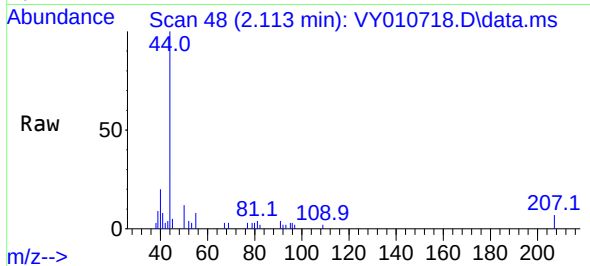




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

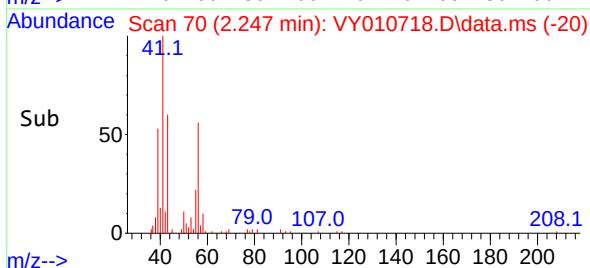
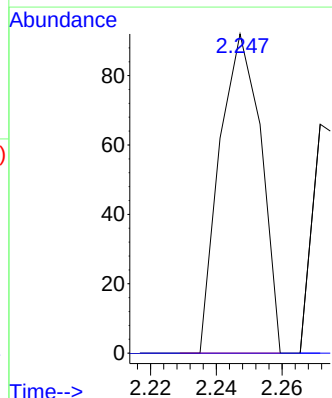
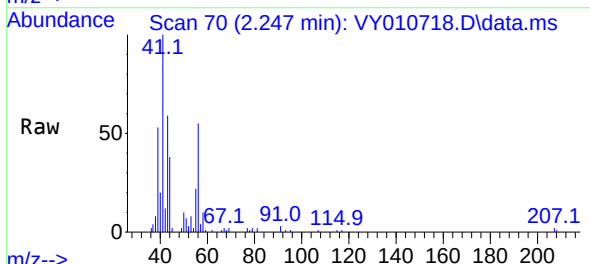
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

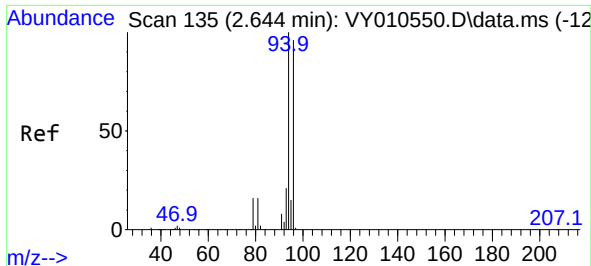
Tgt Ion: 50 Resp: 591
Ion Ratio Lower Upper
50 100
52 33.2 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. 0.006 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 62 Resp: 80
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

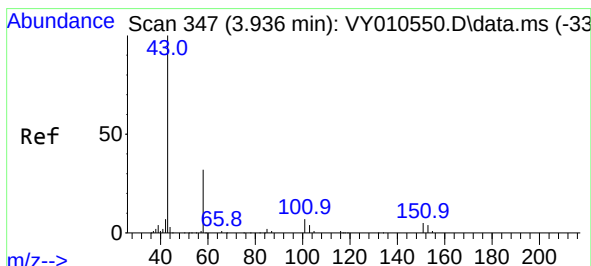
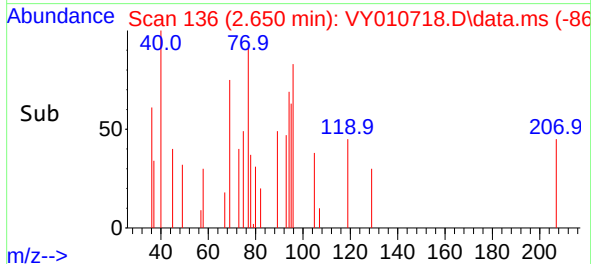
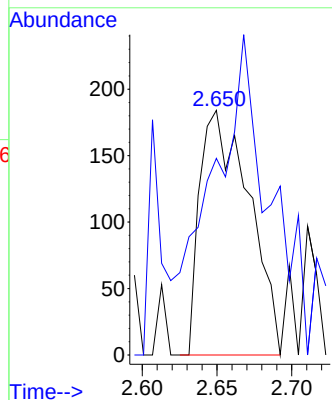
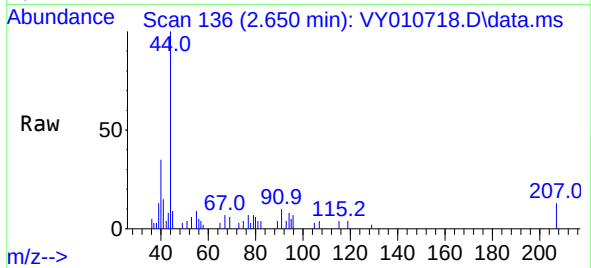




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

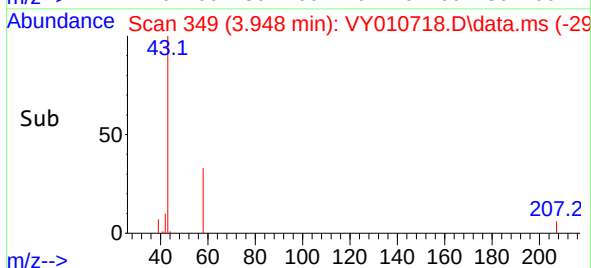
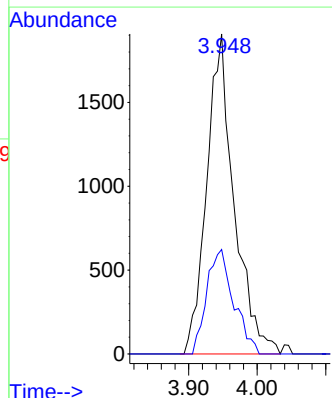
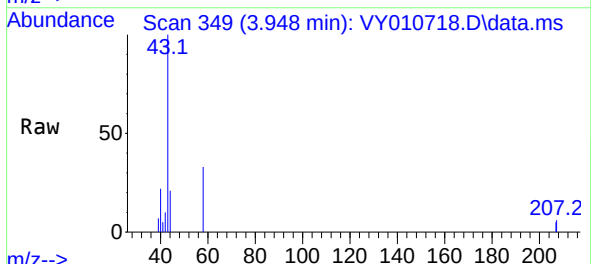
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

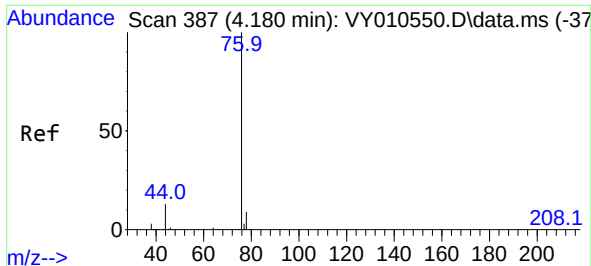
Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 46.7 73.5 110.3#



#16
Acetone
Concen: 17.249 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 43 Resp: 5301
Ion Ratio Lower Upper
43 100
58 32.7 22.0 33.0

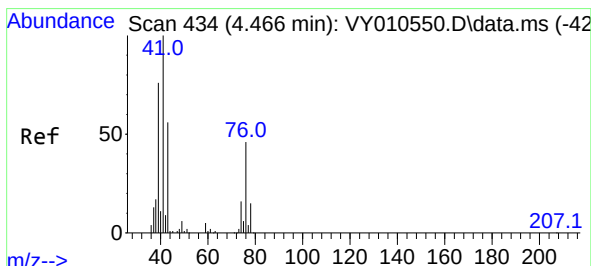
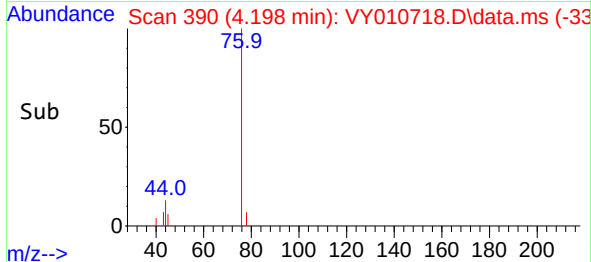
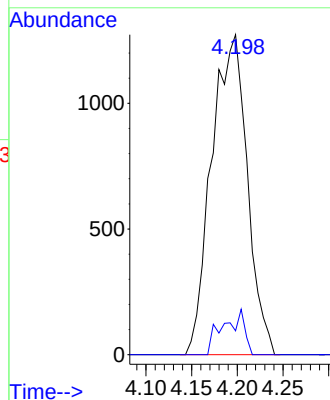
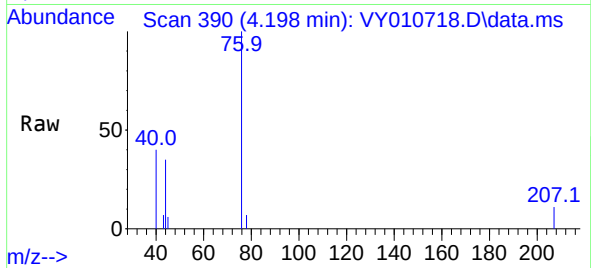




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.018 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

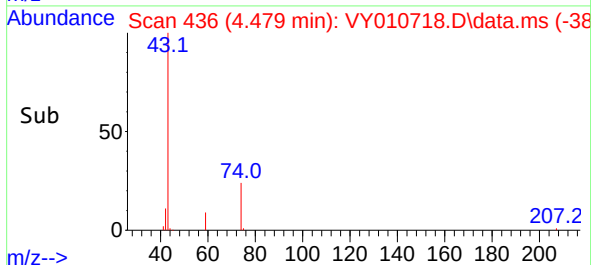
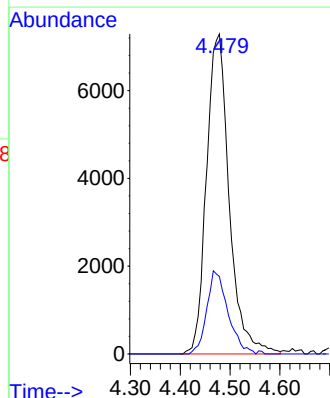
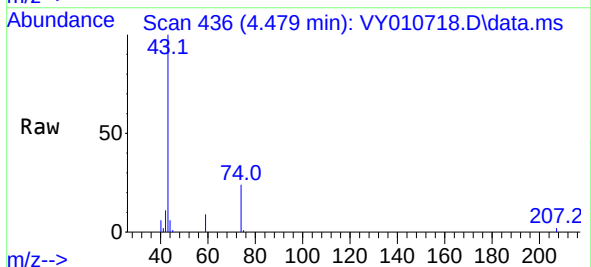
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

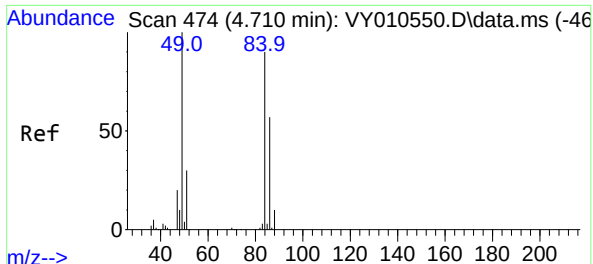
Tgt Ion: 76 Resp: 3463
Ion Ratio Lower Upper
76 100
78 7.5 7.4 11.0



#18
Methyl Acetate
Concen: 25.501 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.013 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 43 Resp: 23050
Ion Ratio Lower Upper
43 100
74 24.1 16.6 24.8



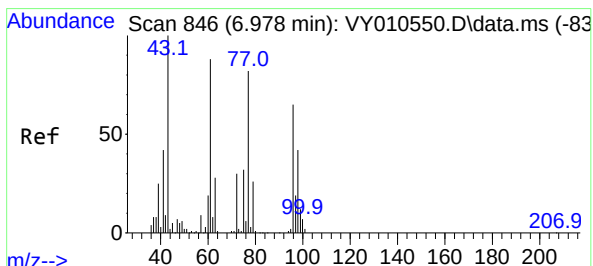
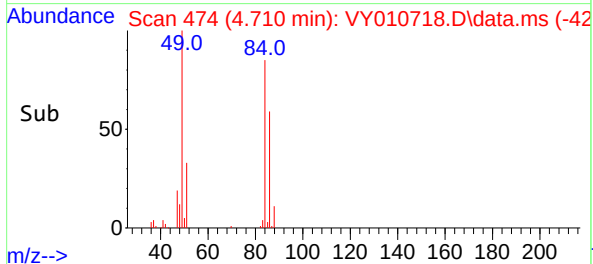
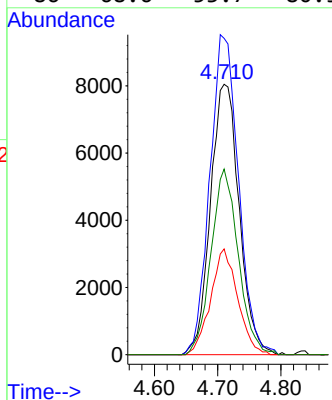
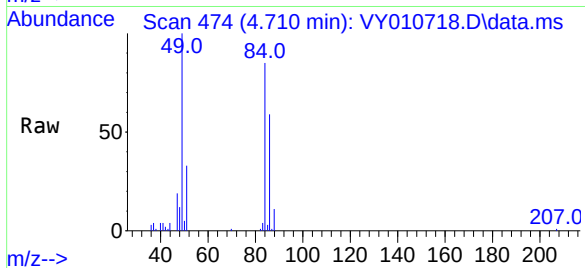


#20
Methylene Chloride
Concen: 4.772 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

Tgt Ion: 84 Resp: 25356

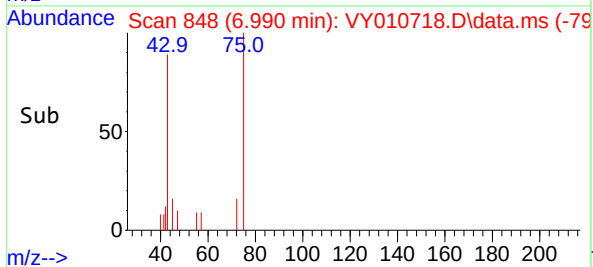
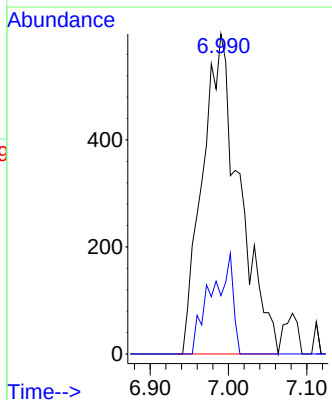
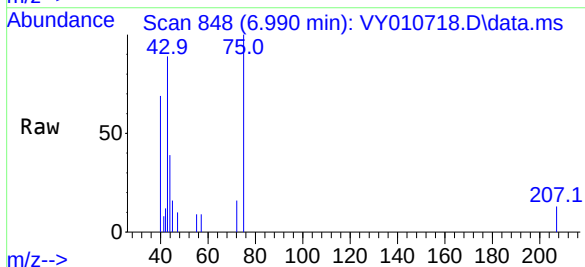
Ion	Ratio	Lower	Upper
84	100		
49	117.0	114.4	171.6
51	39.1	35.3	52.9
86	68.6	53.7	80.5

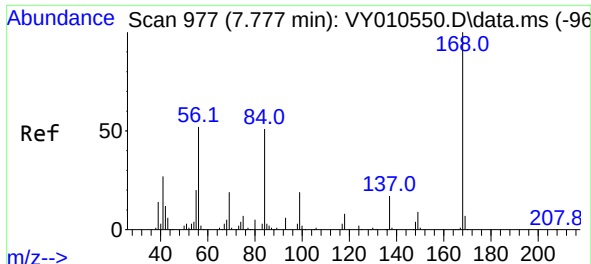


#25
2-Butanone
Concen: 4.100 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 43 Resp: 1971

Ion	Ratio	Lower	Upper
43	100		
72	18.2	17.7	26.5

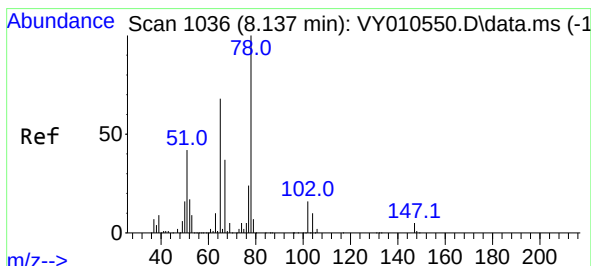
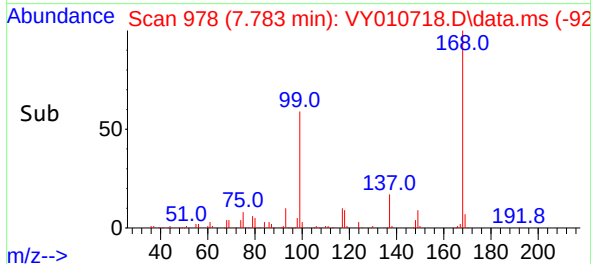
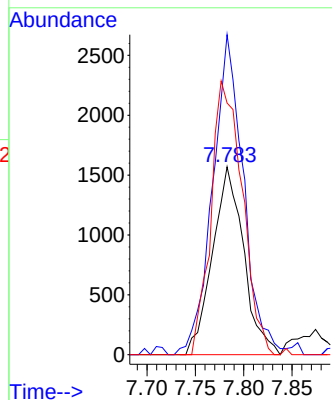
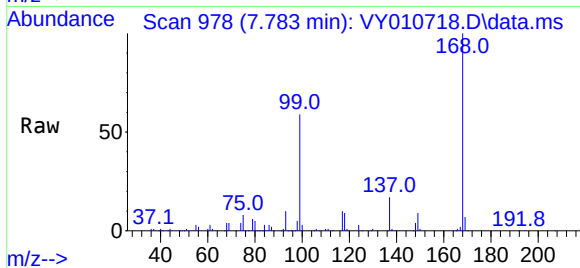




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

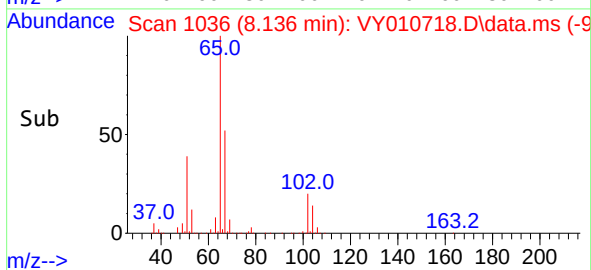
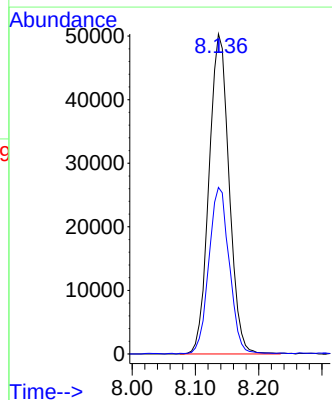
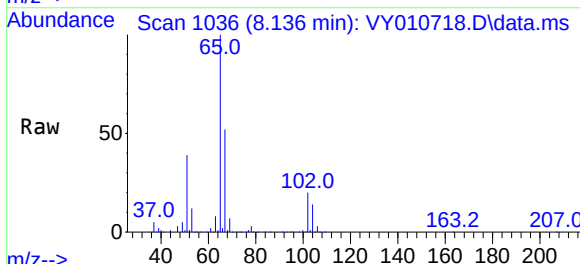
Instrument :
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WC-14B-SP-2

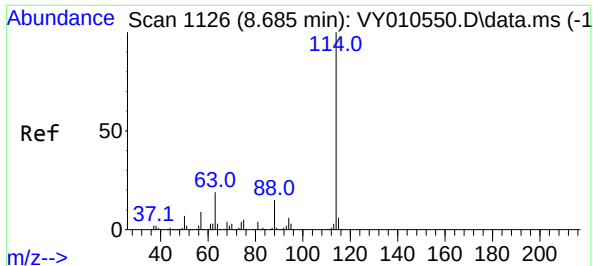
Tgt Ion: 56 Resp: 3518
Ion Ratio Lower Upper
56 100
69 167.1 26.7 40.1#
84 134.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 73.706 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 65 Resp: 111079
Ion Ratio Lower Upper
65 100
67 53.0 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: VY010718.D

Acq: 28 Sep 2022 15:51

Instrument :

MSVOA_Y

ClientSampleId :

WC-14B-SP-2

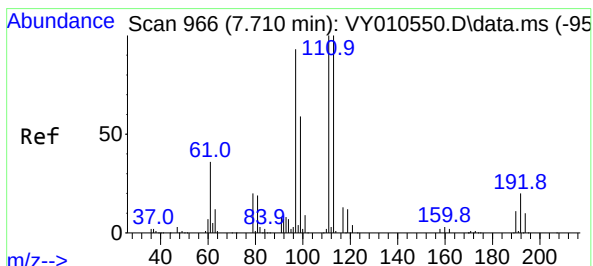
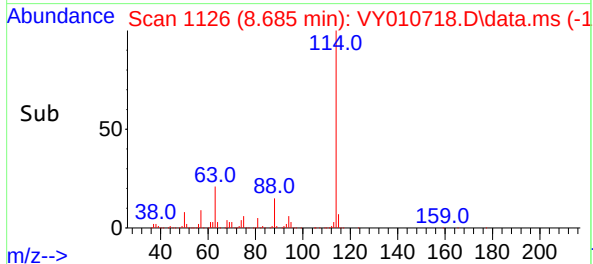
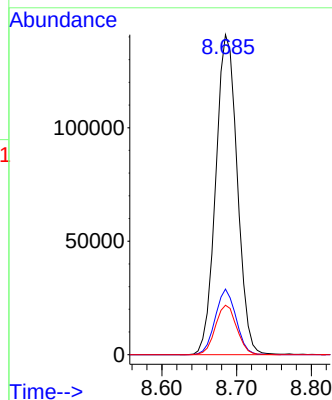
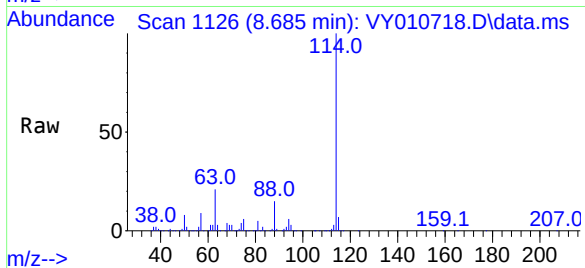
Tgt Ion:114 Resp: 282024

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 62.202 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010718.D

Acq: 28 Sep 2022 15:51

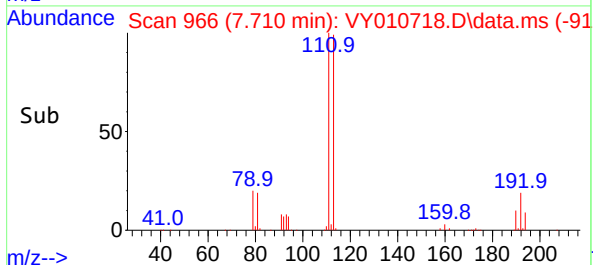
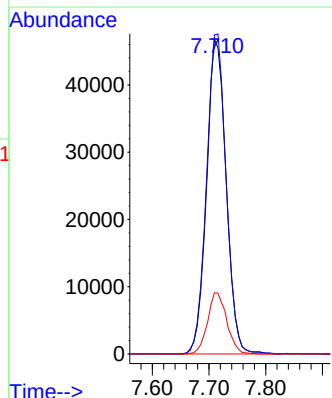
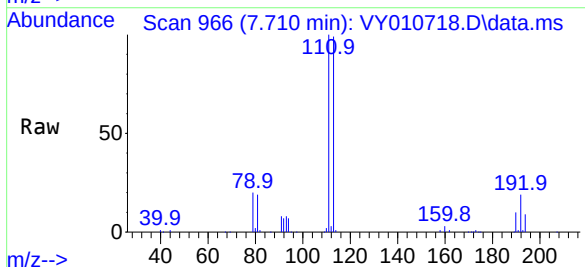
Tgt Ion:113 Resp: 111956

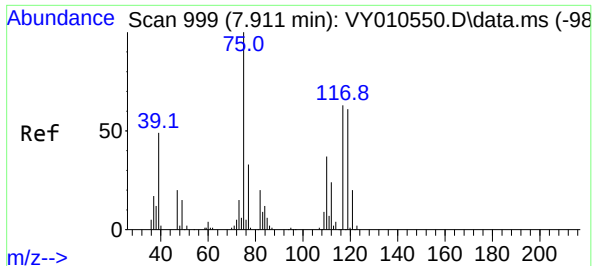
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 19.1 17.6 26.4

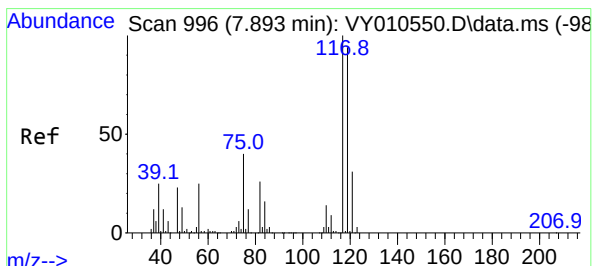
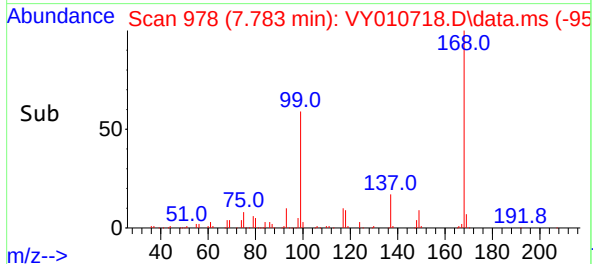
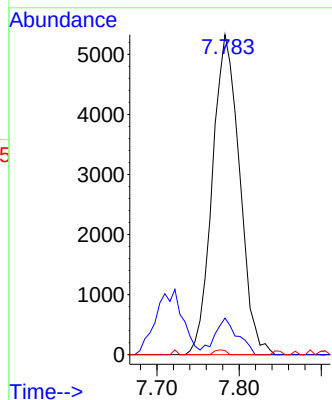
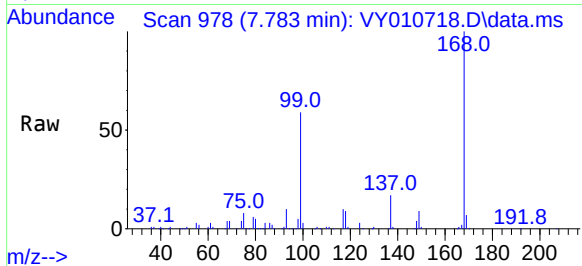




#36
1,1-Dichloropropene
Concen: 6.115 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

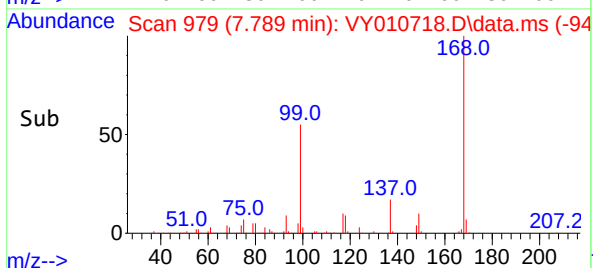
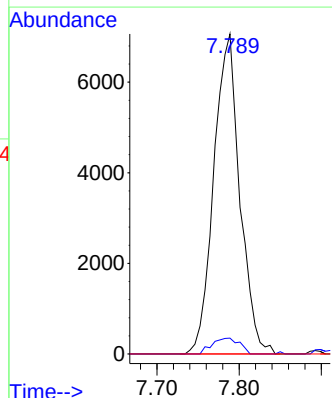
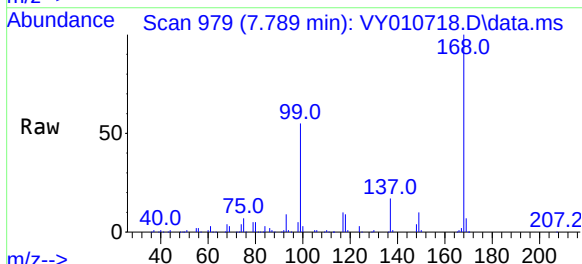
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

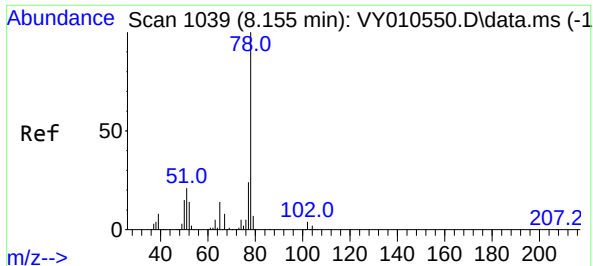
Tgt Ion: 75 Resp: 12264
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.6 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.736 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 117 Resp: 15532
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#

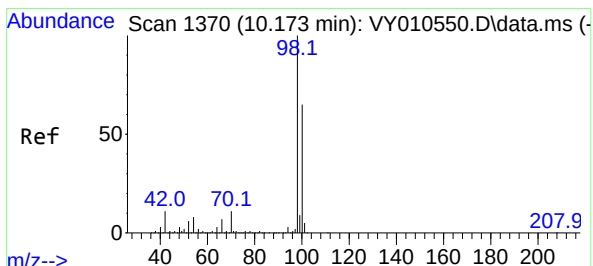
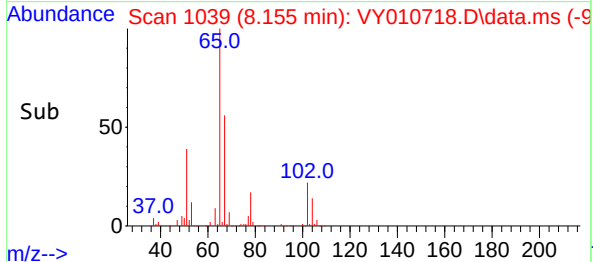
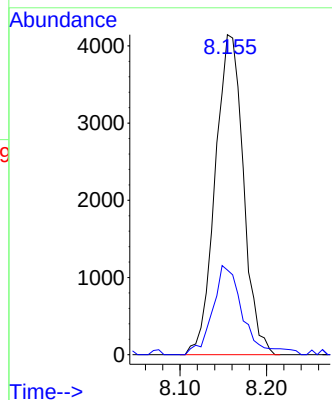
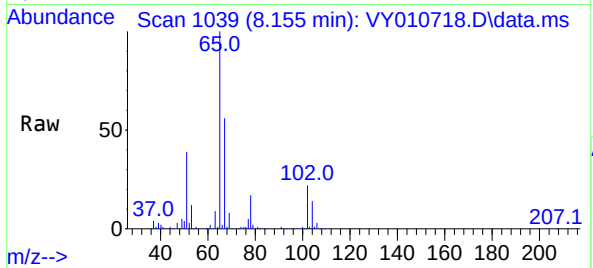




#40
Benzene
Concen: 1.568 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

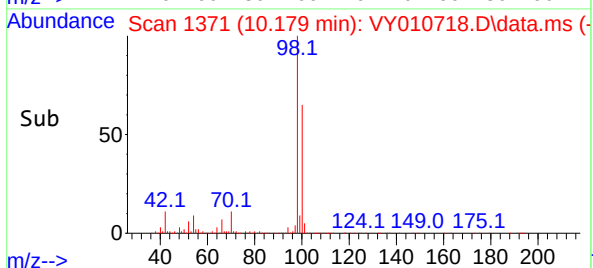
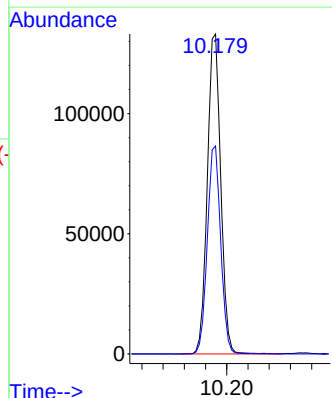
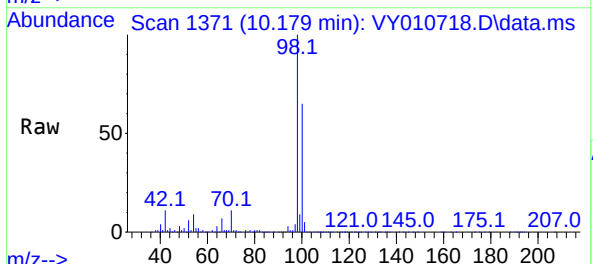
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

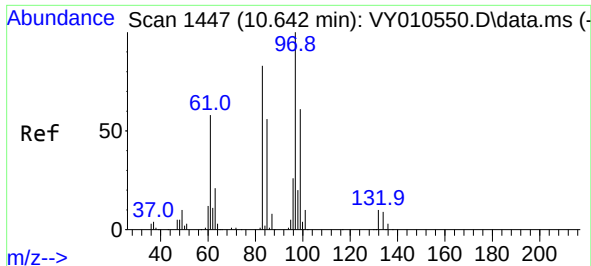
Tgt Ion: 78 Resp: 9373
Ion Ratio Lower Upper
78 100
77 26.5 20.4 30.6



#50
Toluene-d8
Concen: 36.012 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 98 Resp: 233356
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

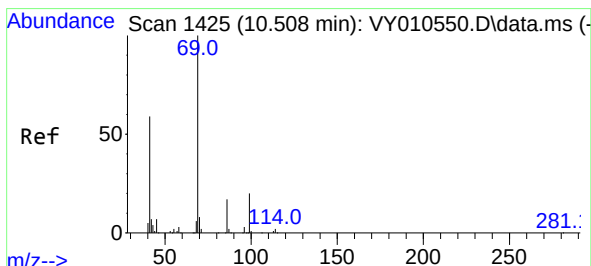
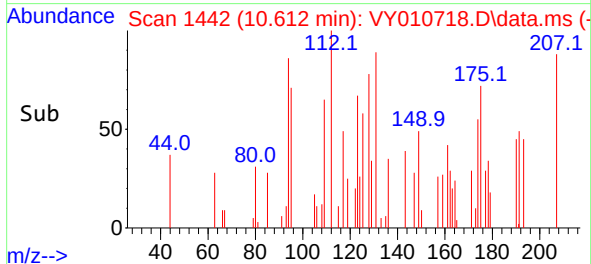
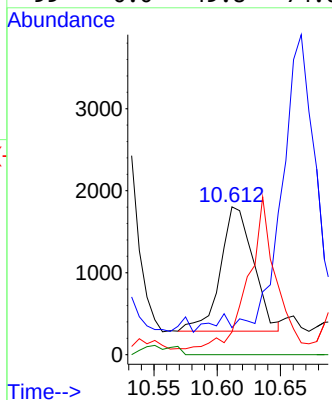
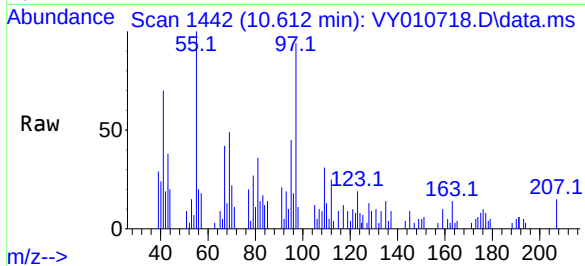




#55
1,1,2-Trichloroethane
Concen: 2.070 ug/l
RT: 10.612 min Scan# 1447
Delta R.T. -0.030 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

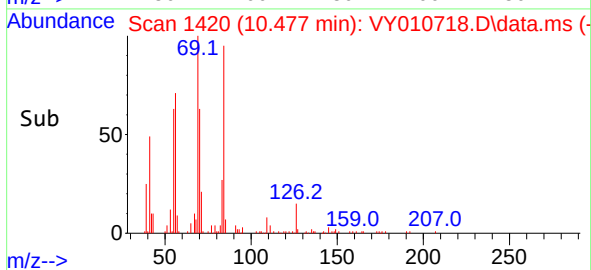
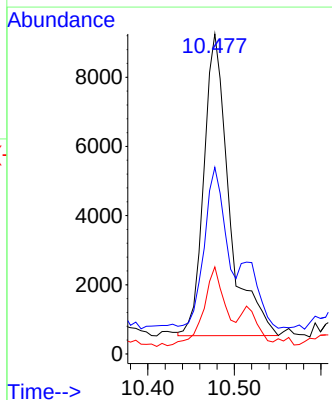
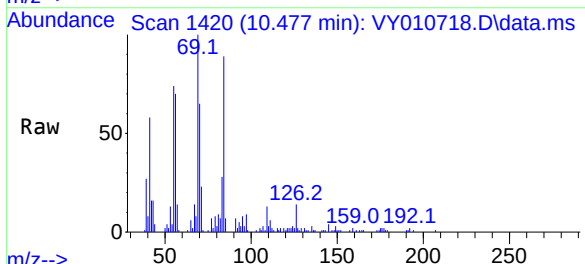
Instrument : MSVOA_Y
ClientSampleId : WC-14B-SP-2

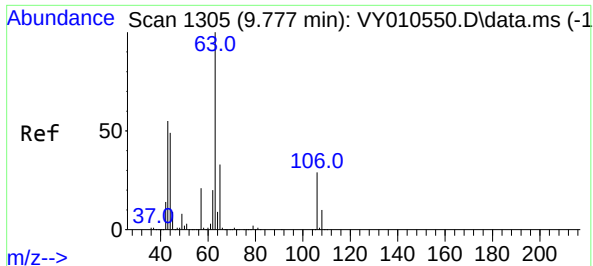
Tgt Ion:	97	Resp:	2766
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.8	104.8#
85	13.4	44.3	66.5#
99	0.0	49.8	74.6#



#56
Ethyl methacrylate
Concen: 10.272 ug/l
RT: 10.477 min Scan# 1420
Delta R.T. -0.031 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion:	69	Resp:	17777
Ion	Ratio	Lower	Upper
69	100		
41	45.6	63.4	95.0#
39	23.3	35.8	53.8#

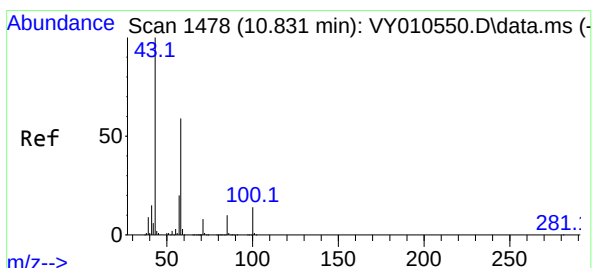
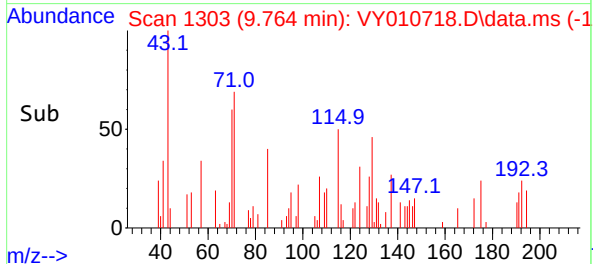
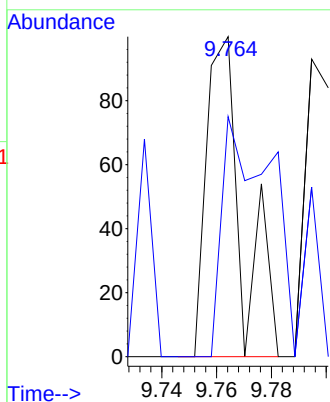
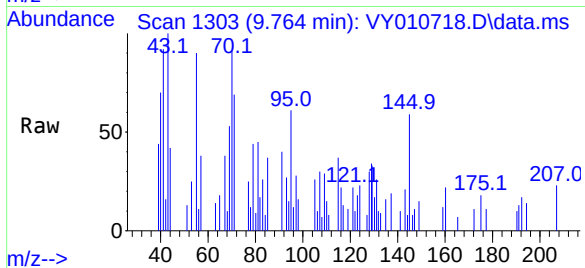




#58
2-Chloroethyl Vinyl ether
Concen: 20.561 ug/l
RT: 9.764 min Scan# 11
Delta R.T. -0.013 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

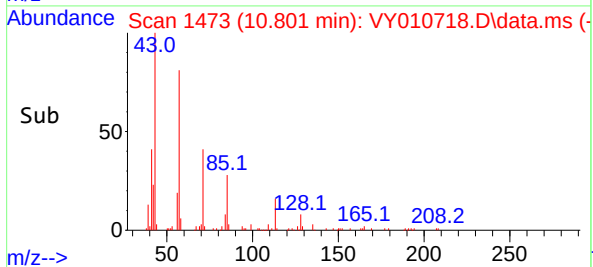
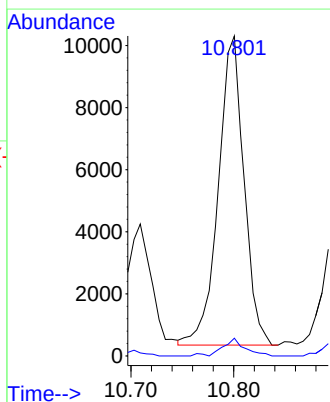
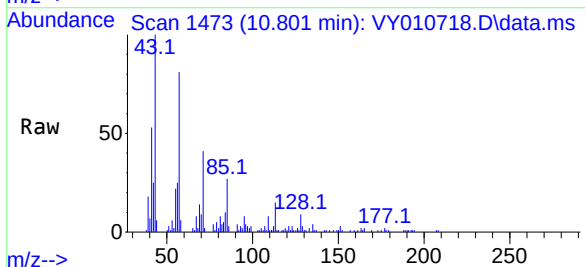
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

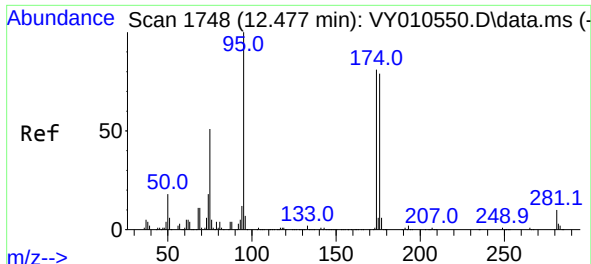
Tgt Ion: 63 Resp: 90
Ion Ratio Lower Upper
63 100
106 123.3 21.5 32.3#



#59
2-Hexanone
Concen: 21.277 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 43 Resp: 17288
Ion Ratio Lower Upper
43 100
58 5.0 24.4 73.4#

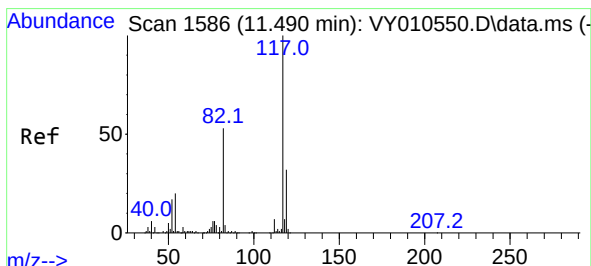
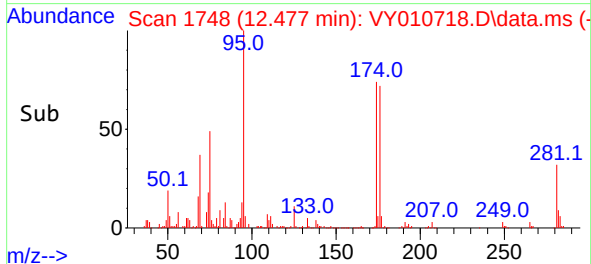
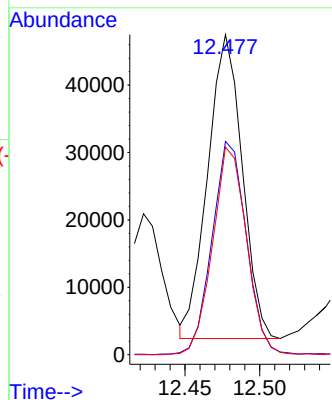
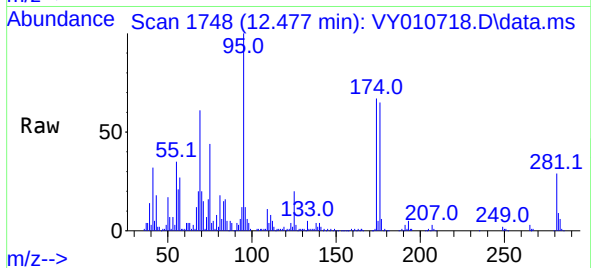




#62
4-Bromofluorobenzene
Concen: 28.101 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

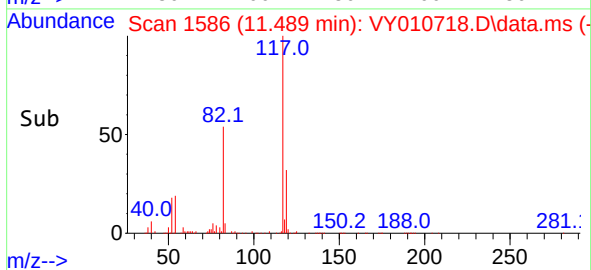
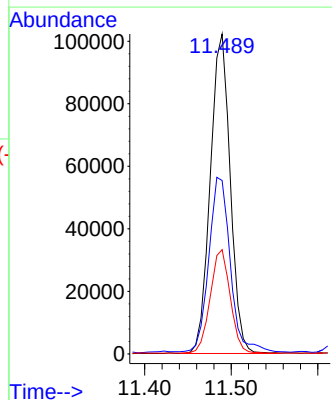
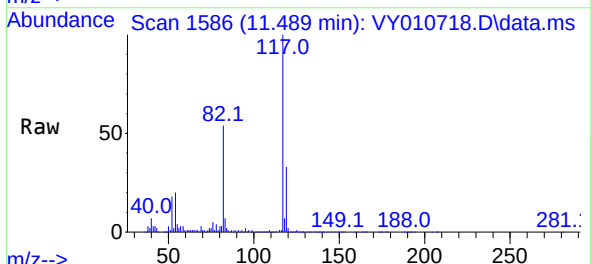
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

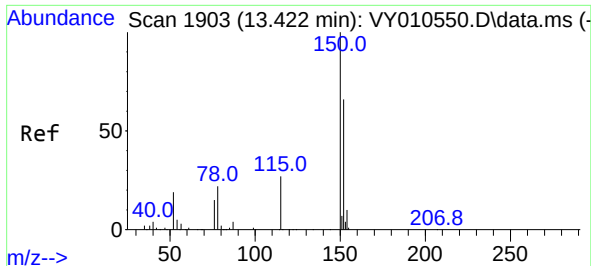
Tgt Ion: 95 Resp: 72295
Ion Ratio Lower Upper
95 100
174 70.4 0.0 177.0
176 67.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 117 Resp: 163734
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 32.4 25.4 38.0

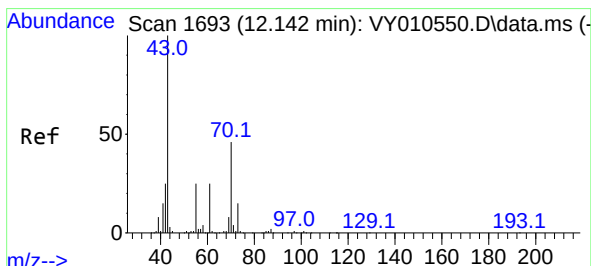
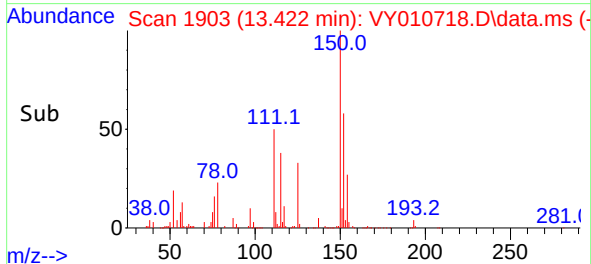
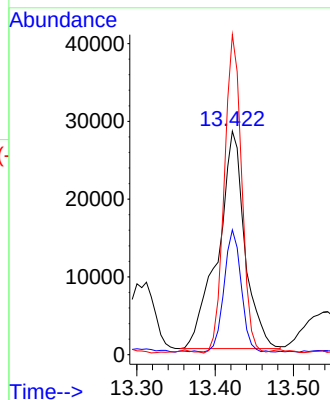
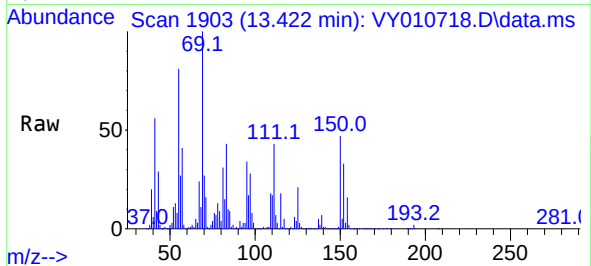




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

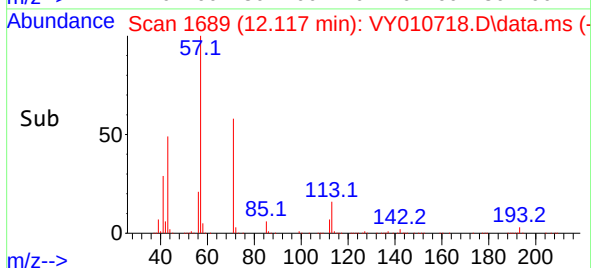
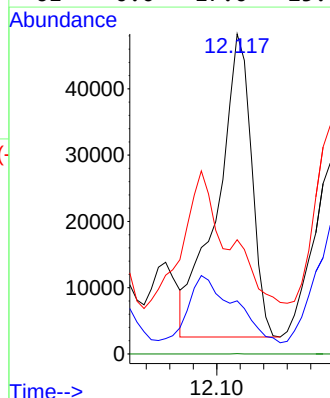
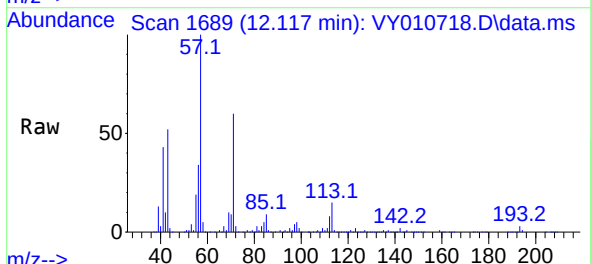
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

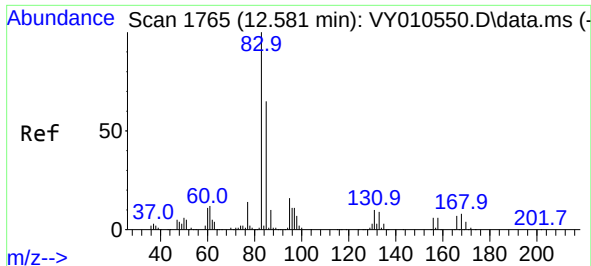
Tgt Ion:152 Resp: 66930
Ion Ratio Lower Upper
152 100
115 35.7 28.2 84.7
150 94.2 0.0 347.6



#74
N-ethyl acetate
Concen: 91.782 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.025 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 43 Resp: 92063
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#

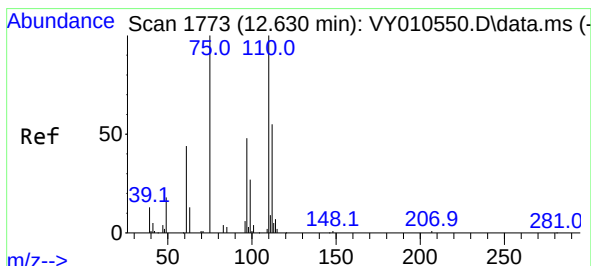
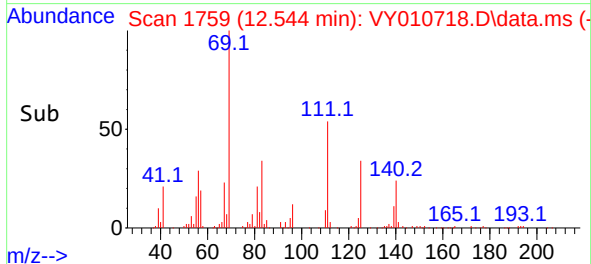
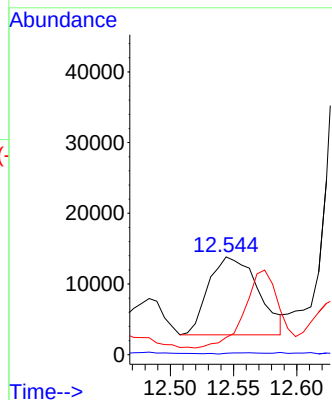
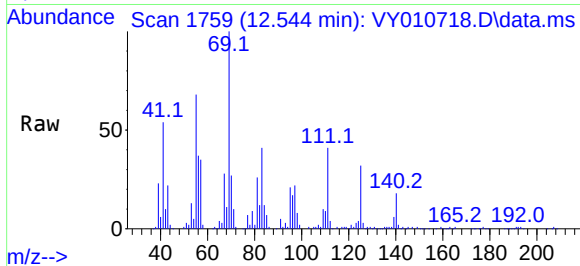




#75
1,1,2,2-Tetrachloroethane
Concen: 35.720 ug/l
RT: 12.544 min Scan# 1759
Delta R.T. -0.037 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

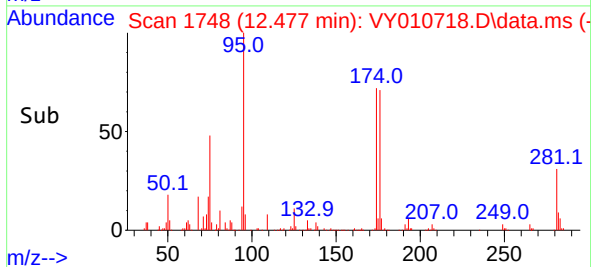
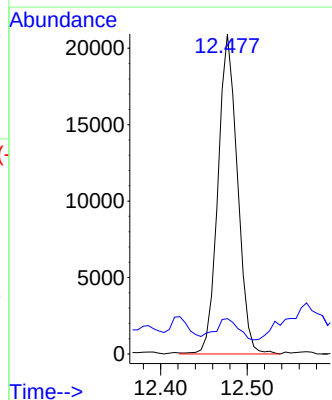
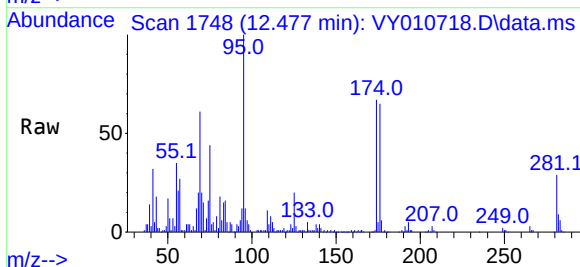
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

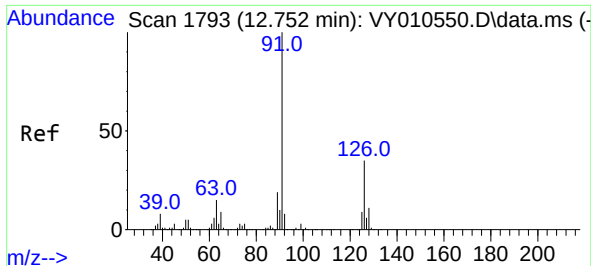
Tgt Ion: 83 Resp: 30108
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 51.144 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 75 Resp: 32671
Ion Ratio Lower Upper
75 100
77 7.6 0.0 0.0#

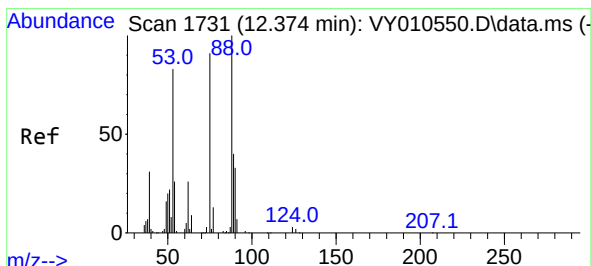
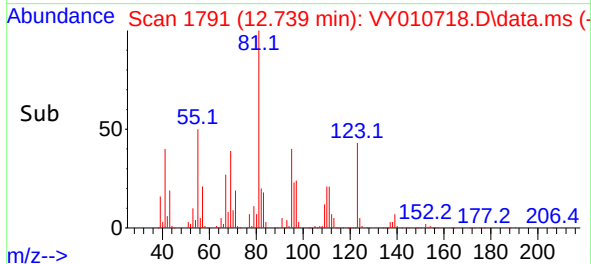
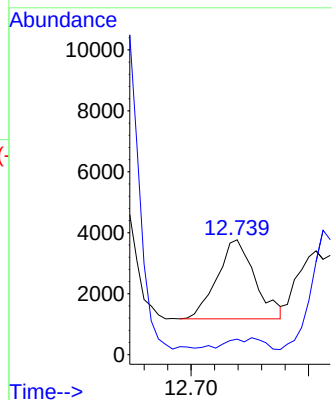
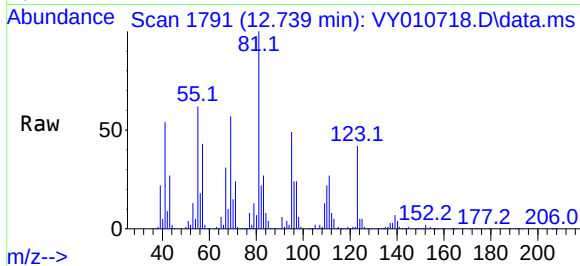




#79
2-Chlorotoluene
Concen: 2.068 ug/l
RT: 12.739 min Scan# 1748
Delta R.T. -0.013 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

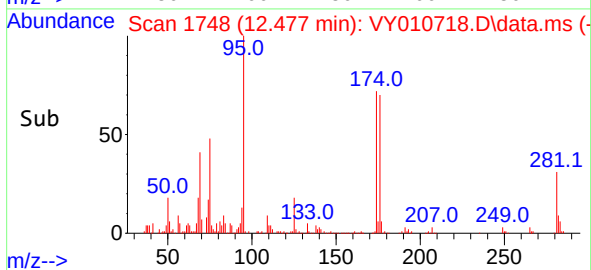
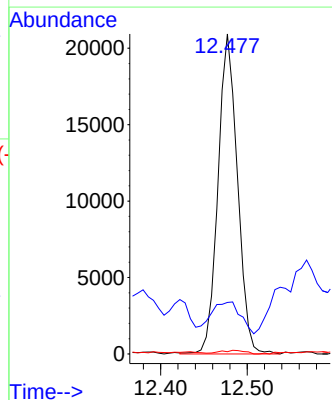
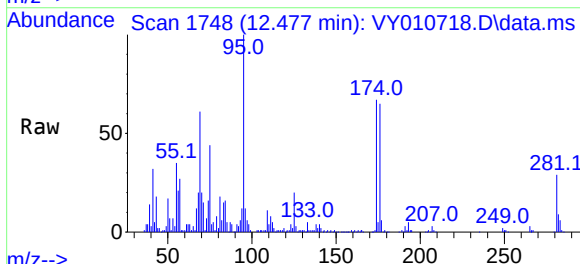
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

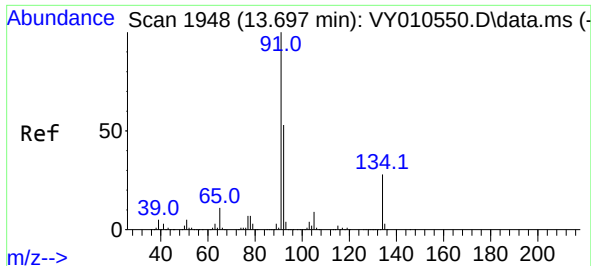
Tgt Ion: 91 Resp: 5807
Ion Ratio Lower Upper
91 100
126 14.2 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.716 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 75 Resp: 32671
Ion Ratio Lower Upper
75 100
53 15.1 85.3 127.9#
89 1.5 37.0 55.4#

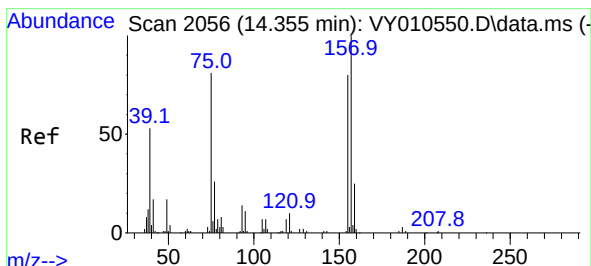
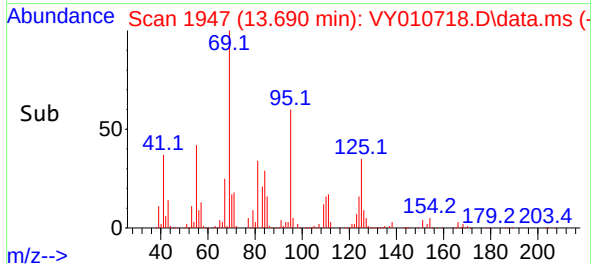
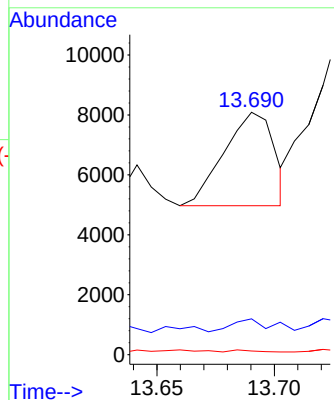
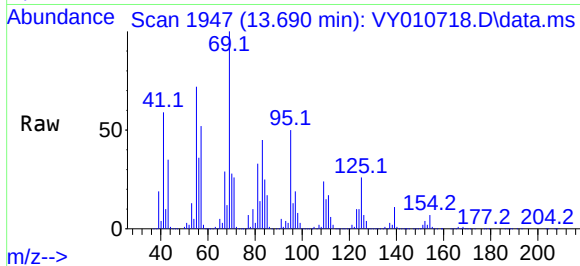




#89
n-Butylbenzene
Concen: 1.319 ug/l
RT: 13.690 min Scan# 1948
Delta R.T. -0.007 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

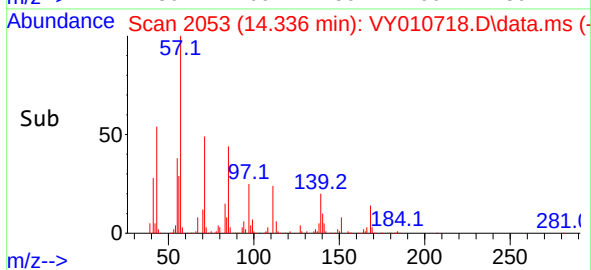
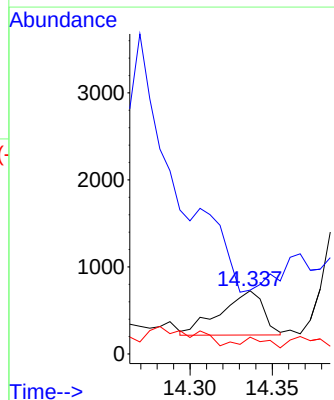
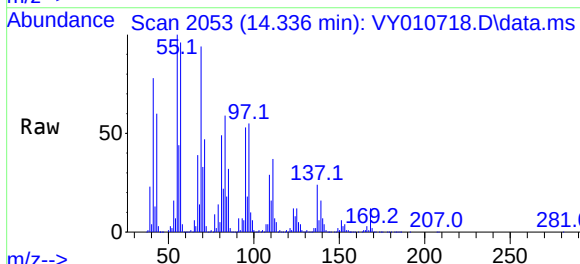
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

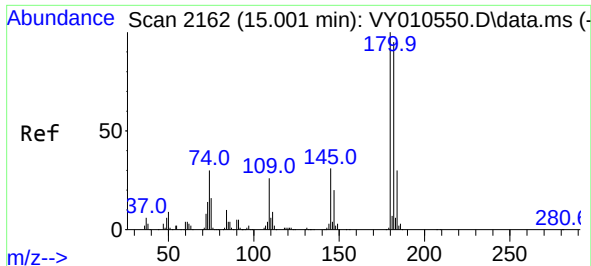
Tgt Ion: 91 Resp: 4632
Ion Ratio Lower Upper
91 100
92 10.5 26.3 78.9#
134 0.0 13.0 38.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 6.548 ug/l
RT: 14.336 min Scan# 2053
Delta R.T. -0.019 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Tgt Ion: 75 Resp: 921
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 11.1 47.8 143.3#

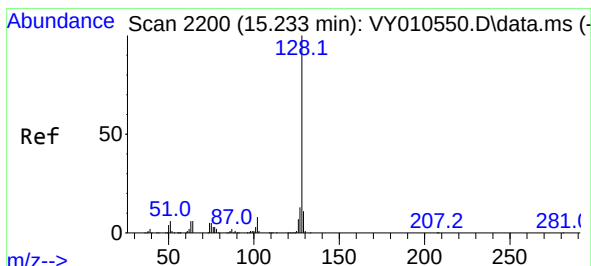
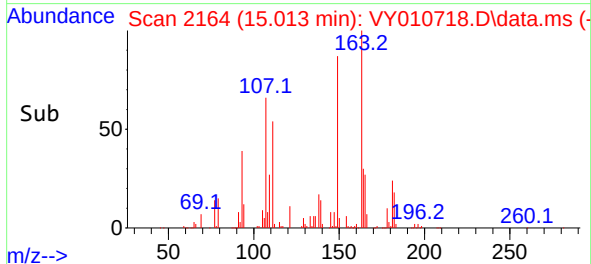
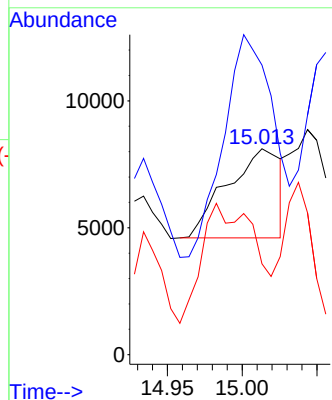
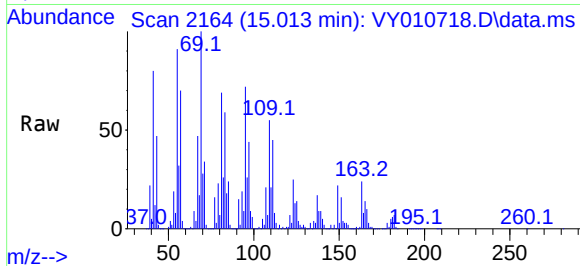




#93
1,2,4-Trichlorobenzene
Concen: 7.949 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.012 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

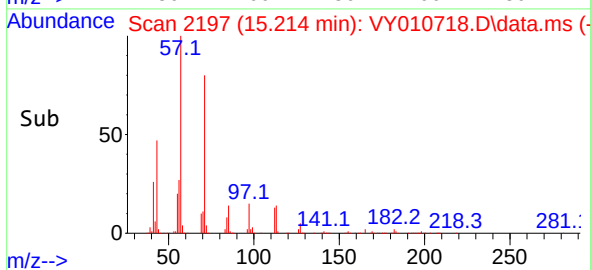
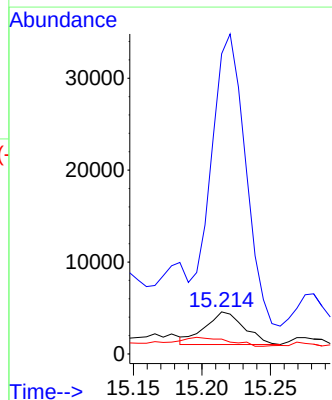
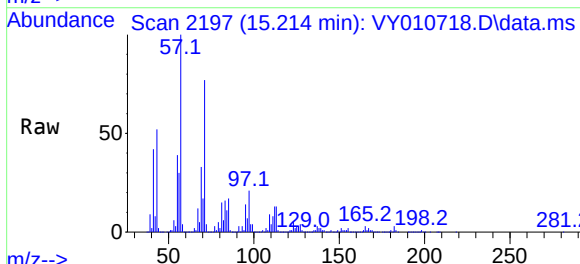
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2

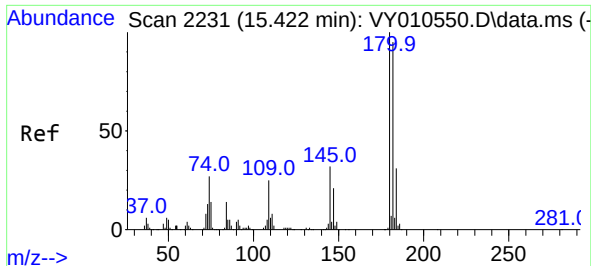
Tgt Ion:180 Resp: 8629
Ion Ratio Lower Upper
180 100
182 239.1 47.3 141.9#
145 0.0 14.6 43.8#



#95
Naphthalene
Concen: 3.201 ug/l
RT: 15.214 min Scan# 2197
Delta R.T. -0.019 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

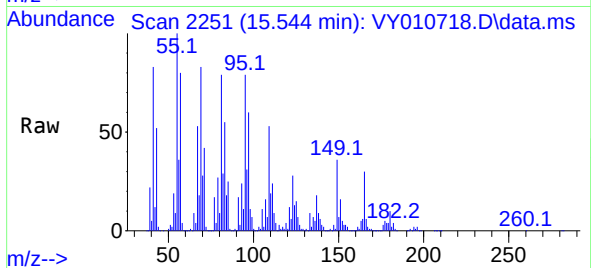
Tgt Ion:128 Resp: 7002
Ion Ratio Lower Upper
128 100
127 795.5 11.0 16.4#
129 0.0 8.4 12.6#





#96
1,2,3-Trichlorobenzene
Concen: 9.401 ug/l
RT: 15.544 min Scan# 21
Delta R.T. 0.122 min
Lab File: VY010718.D
Acq: 28 Sep 2022 15:51

Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2



Tgt Ion:180 Resp: 8886
Ion Ratio Lower Upper
180 100
182 56.3 47.3 141.9
145 43.5 15.3 45.9

