

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010720.D
 Acq On : 28 Sep 2022 16:36
 Operator : KP/MD
 Sample : N4789-01RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB20515RE

Quant Time: Sep 29 01:14:10 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)

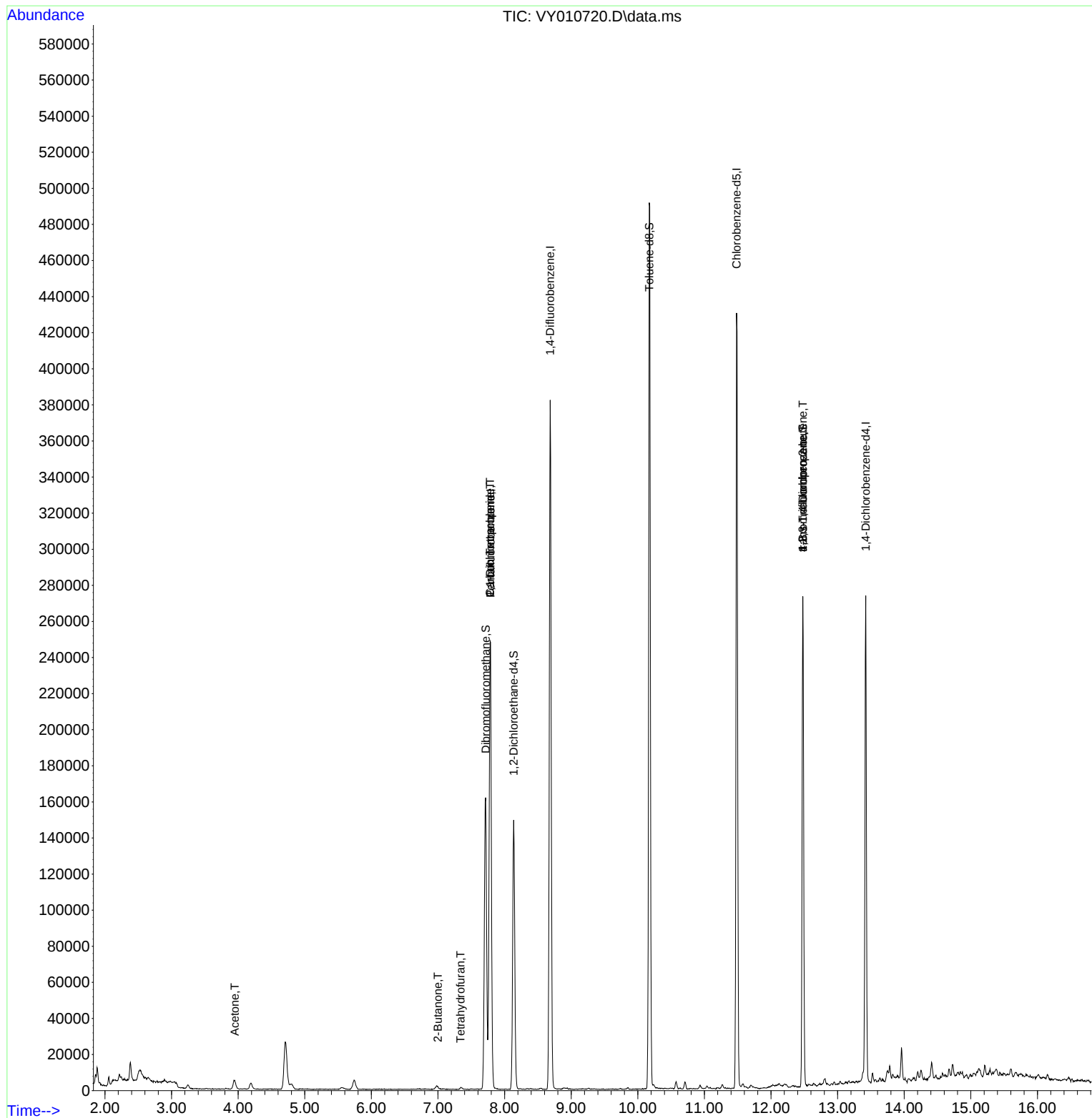
Internal Standards						
1) Pentafluorobenzene	7.789	168	195489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	329618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	238291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	67333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114695	61.341	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.680%	
35) Dibromofluoromethane	7.716	113	115882	55.087	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.180%	
50) Toluene-d8	10.173	98	328128	42.692	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 85.380%	
62) 4-Bromofluorobenzene	12.477	95	78238	25.809	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 51.620%	
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	93	Below Cal	#	Qvalue 43
3) Chloromethane	2.113	50	636	Below Cal		97
4) Vinyl Chloride	2.241	62	109	Below Cal	#	43
5) Bromomethane	2.656	94	461	Below Cal	#	61
11) Tert butyl alcohol	4.930	59	86	Below Cal	#	77
16) Acetone	3.948	43	9003	23.611	ug/l	94
17) Carbon Disulfide	4.186	76	6258	Below Cal		98
18) Methyl Acetate	4.466	43	189	Below Cal	#	56
20) Methylene Chloride	4.716	84	20374	Below Cal	#	77
25) 2-Butanone	6.996	43	2026	3.397	ug/l	94
29) Tetrahydrofuran	7.338	42	811	2.214	ug/l #	87
31) Cyclohexane	7.777	56	4529	Below Cal	#	30
36) 1,1-Dichloropropene	7.783	75	15024	6.410	ug/l #	50
38) Carbon Tetrachloride	7.783	117	19207	7.127	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	40739	63.392	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	40739	140.949	ug/l #	7

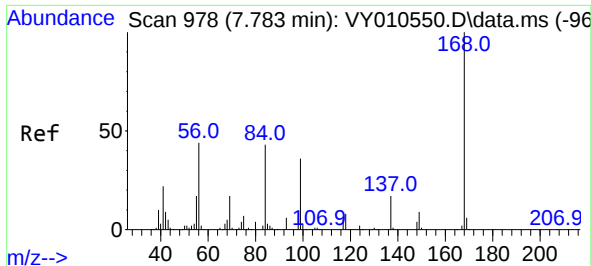
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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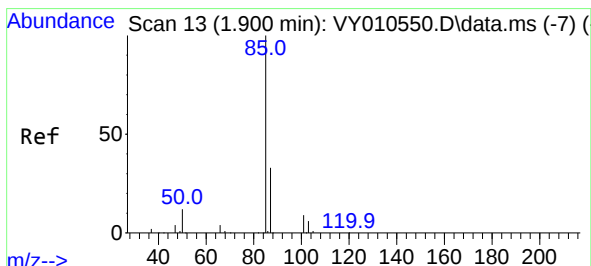
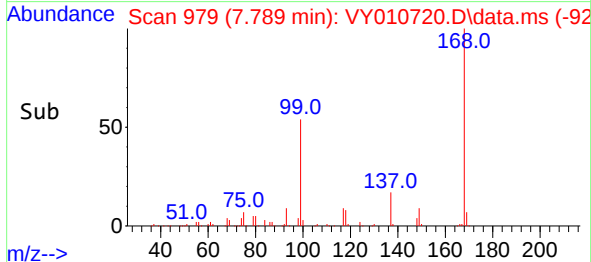
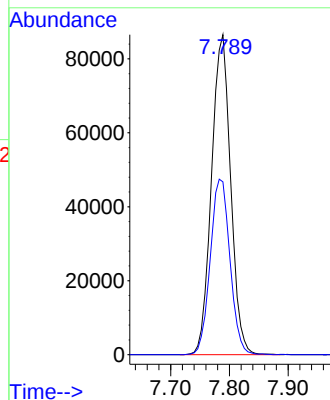
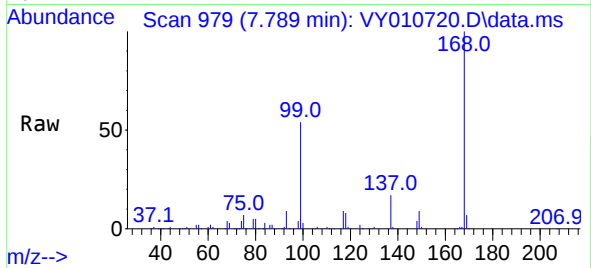




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

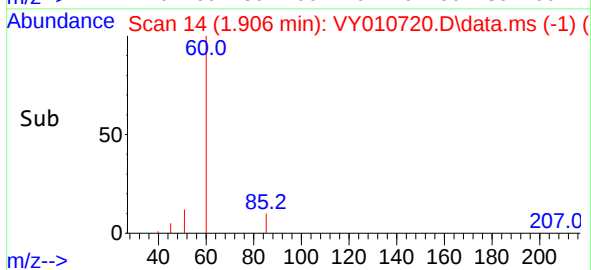
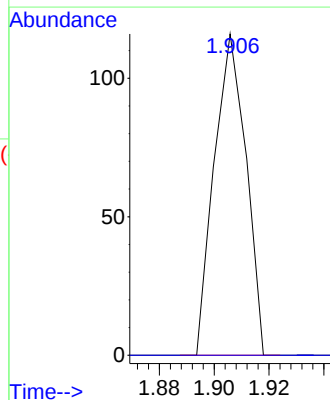
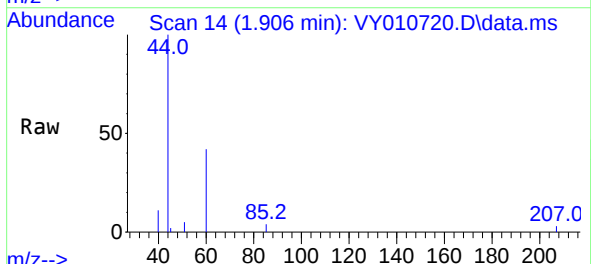
Instrument :
MSVOA_Y
ClientSampleId :
RB20515RE

Tgt Ion:168 Resp: 195489
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

Tgt Ion: 85 Resp: 93
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

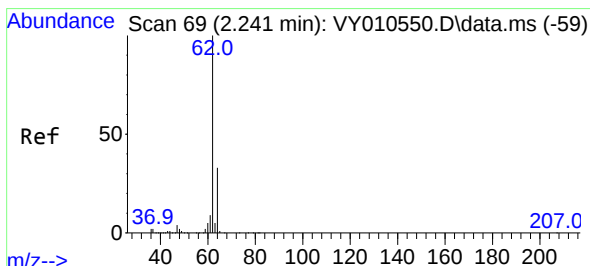
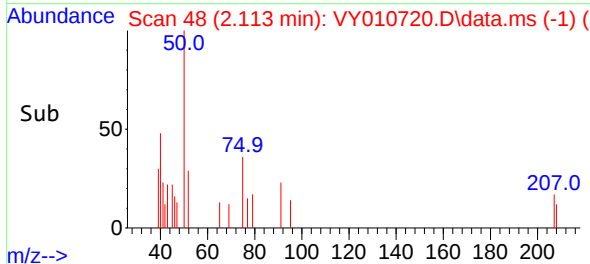
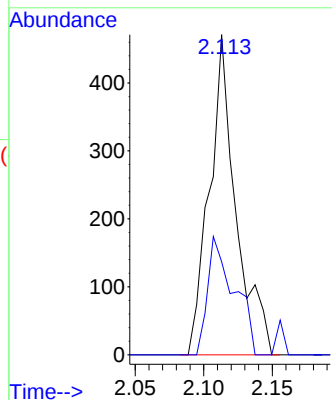
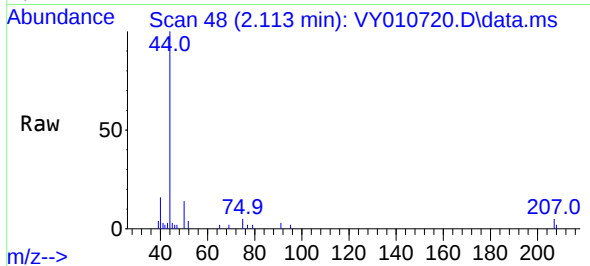




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

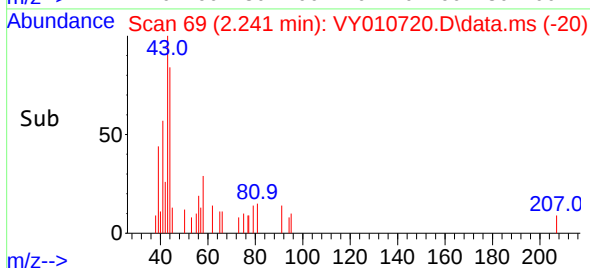
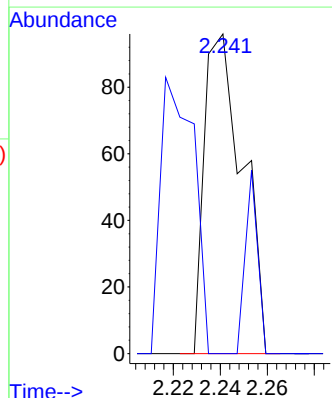
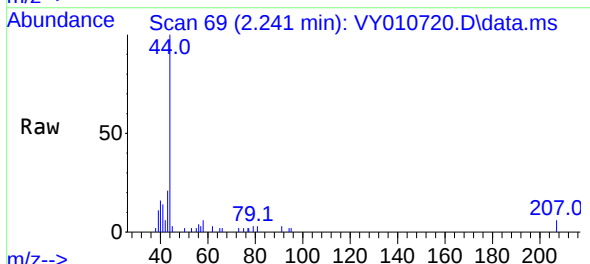
Instrument :
MSVOA_Y
ClientSampleId :
RB20515RE

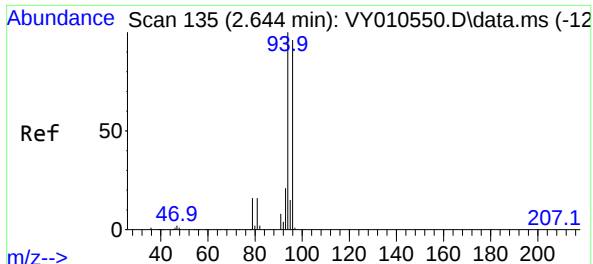
Tgt Ion: 50 Resp: 636
Ion Ratio Lower Upper
50 100
52 29.1 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

Tgt Ion: 62 Resp: 109
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

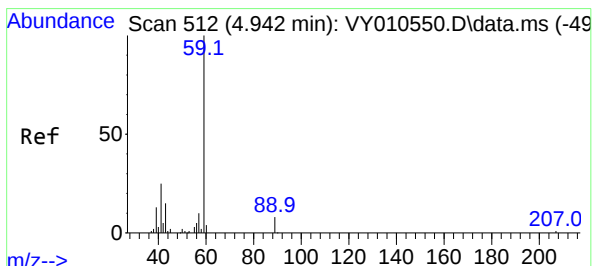
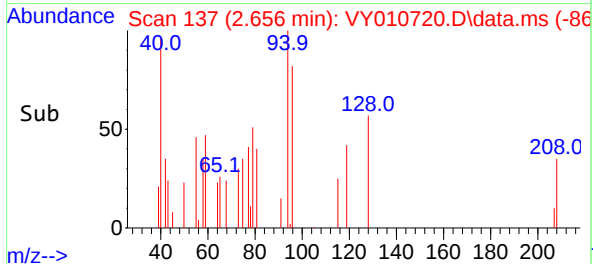
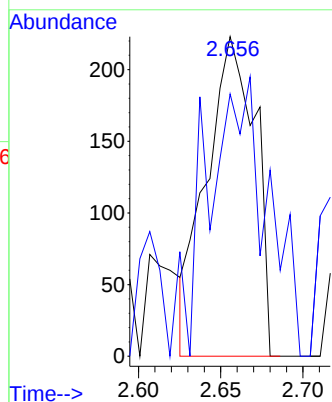
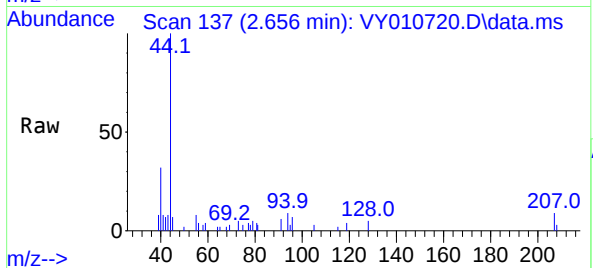




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

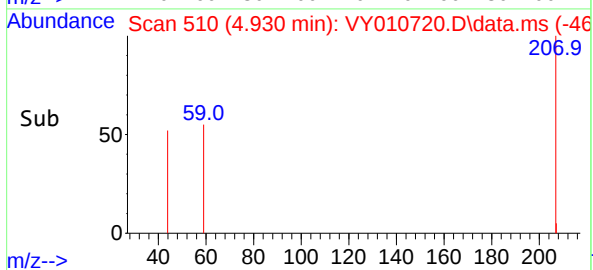
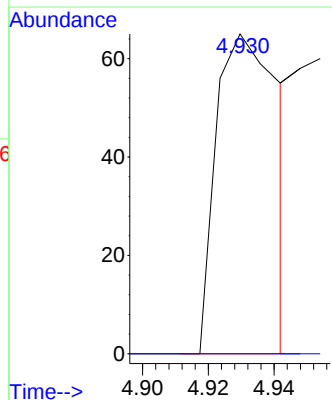
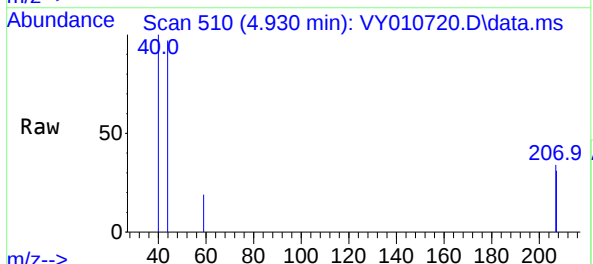
Instrument :
MSVOA_Y
ClientSampleId :
RB20515RE

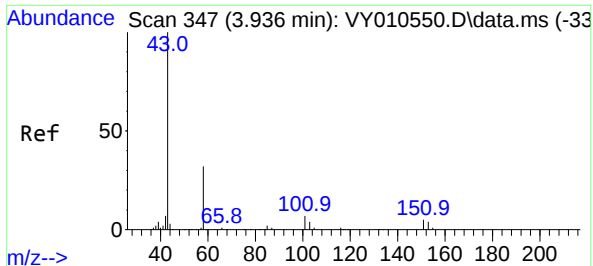
Tgt Ion: 94 Resp: 461
Ion Ratio Lower Upper
94 100
96 55.2 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

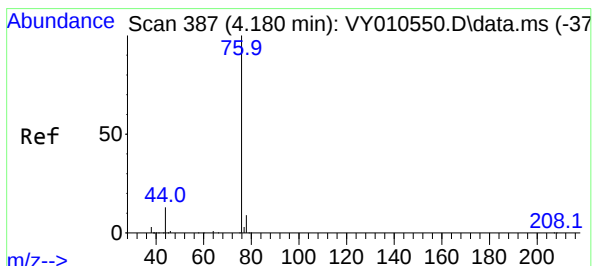
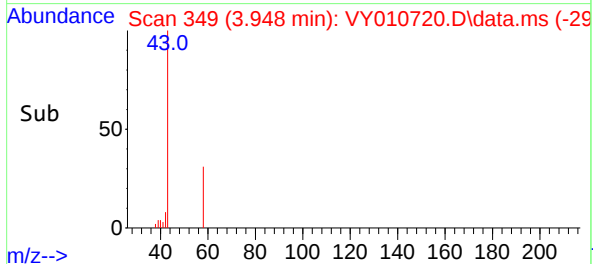
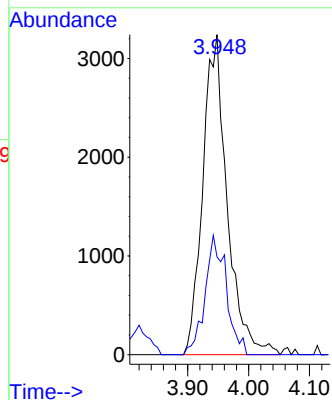
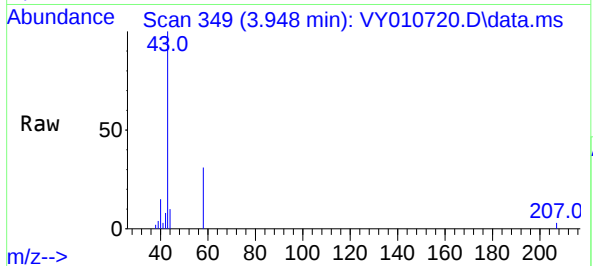




#16
Acetone
Concen: 23.611 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

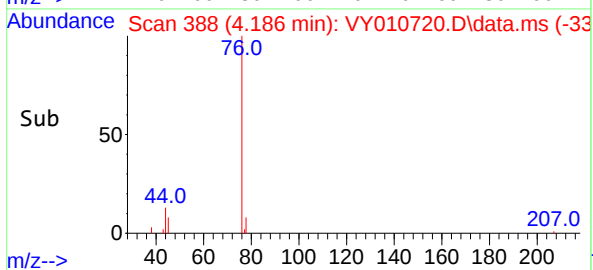
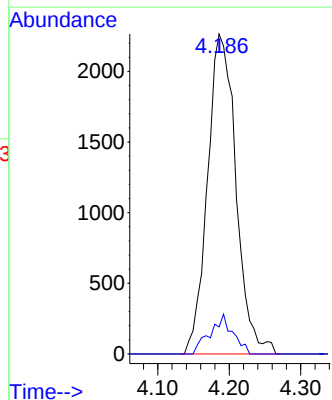
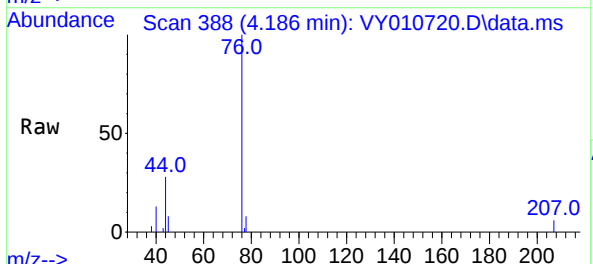
Instrument :
MSVOA_Y
ClientSampleId :
RB20515RE

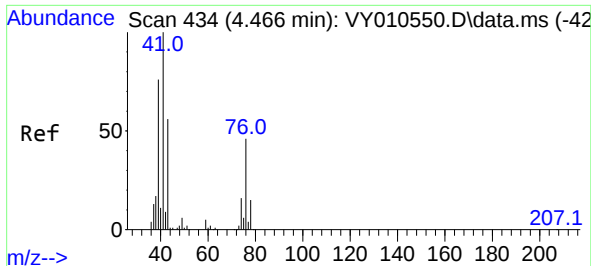
Tgt Ion: 43 Resp: 9003
Ion Ratio Lower Upper
43 100
58 30.6 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

Tgt Ion: 76 Resp: 6258
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0

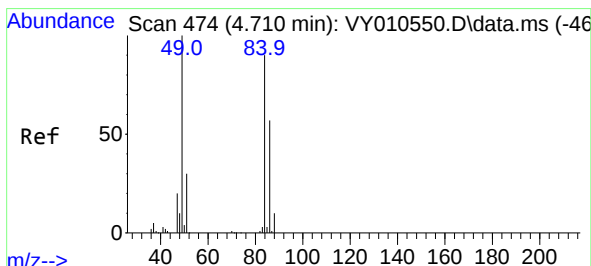
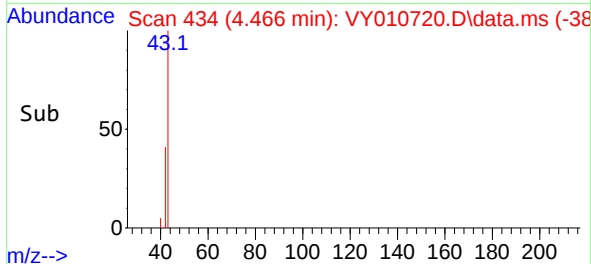
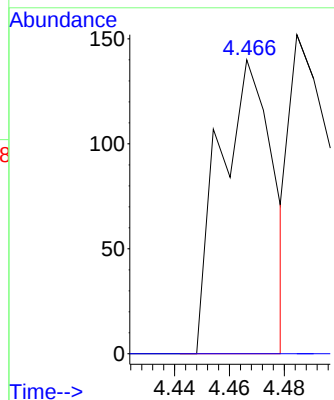
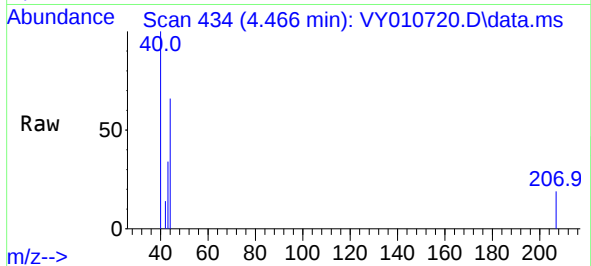




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

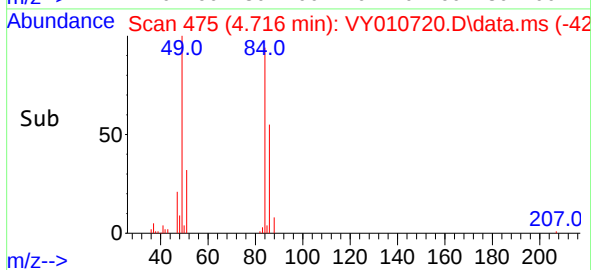
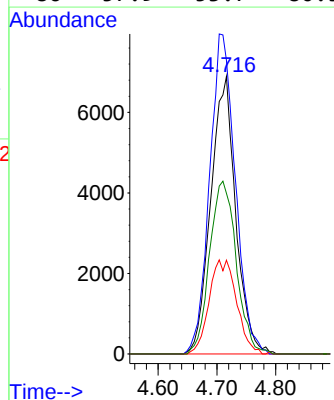
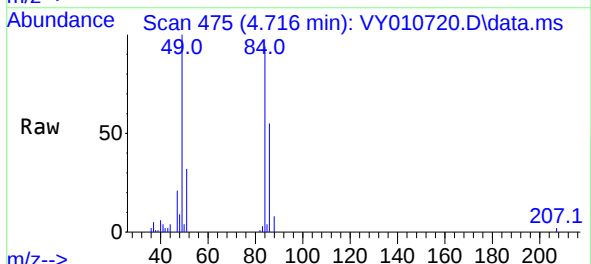
Instrument :
MSVOA_Y
ClientSampleId :
RB20515RE

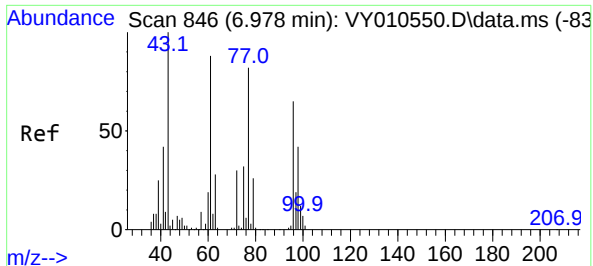
Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

Tgt Ion: 84 Resp: 20374
Ion Ratio Lower Upper
84 100
49 105.8 114.4 171.6#
51 33.8 35.3 52.9#
86 57.9 53.7 80.5





#25

2-Butanone

Concen: 3.397 ug/l

RT: 6.996 min Scan# 846

Delta R.T. 0.018 min

Lab File: VY010720.D

Acq: 28 Sep 2022 16:36

Instrument :

MSVOA_Y

ClientSampleId :

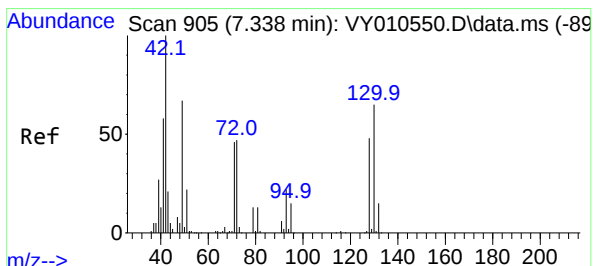
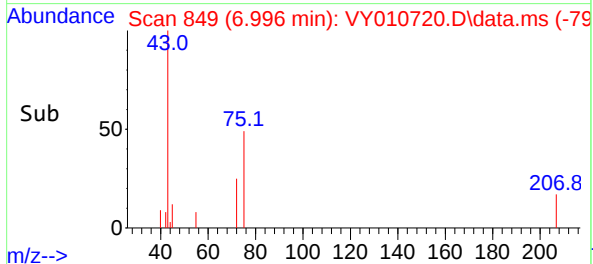
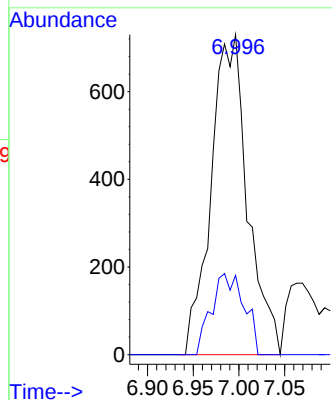
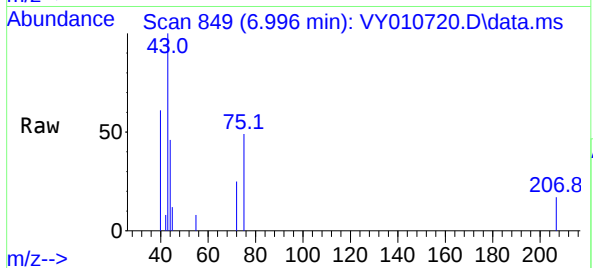
RB20515RE

Tgt Ion: 43 Resp: 2026

Ion Ratio Lower Upper

43 100

72 24.8 17.7 26.5



#29

Tetrahydrofuran

Concen: 2.214 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.000 min

Lab File: VY010720.D

Acq: 28 Sep 2022 16:36

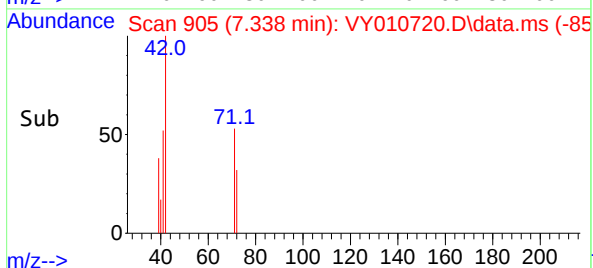
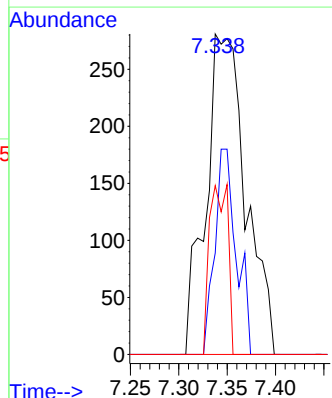
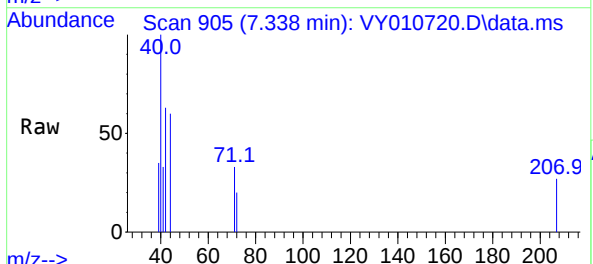
Tgt Ion: 42 Resp: 811

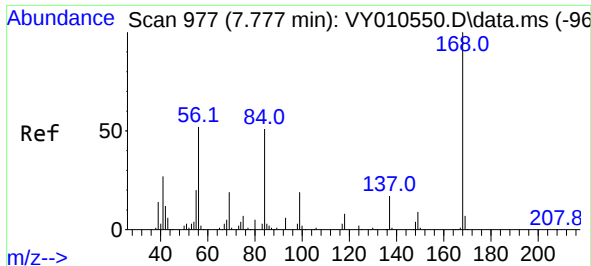
Ion Ratio Lower Upper

42 100

72 34.4 30.3 45.5

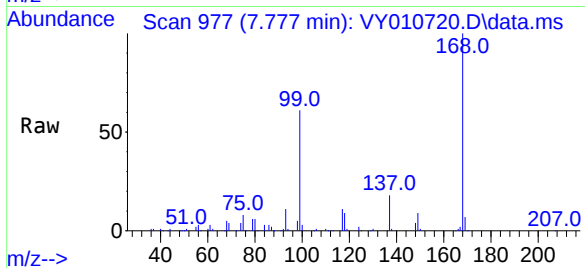
71 24.4 29.0 43.4#



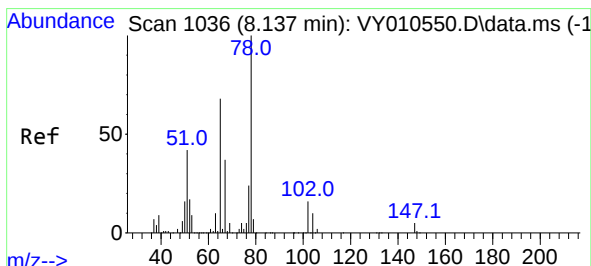
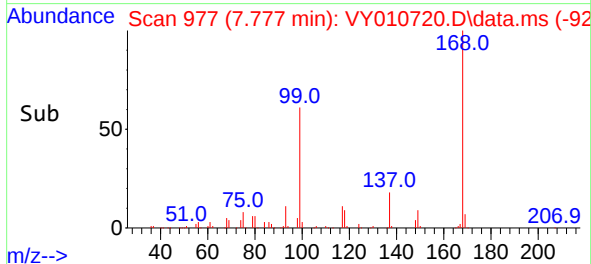
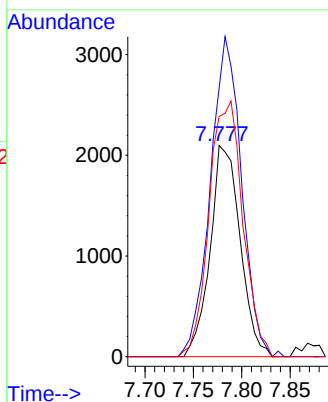


#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

Instrument :
MSVOA_Y
ClientSampleId :
RB20515RE

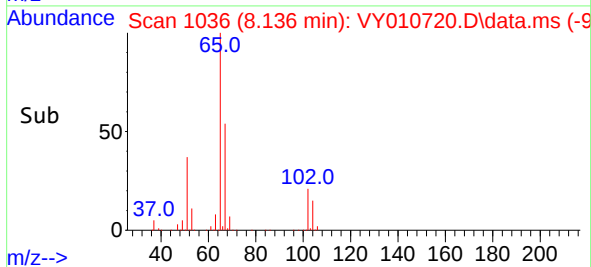
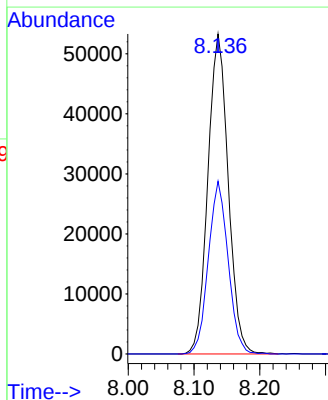
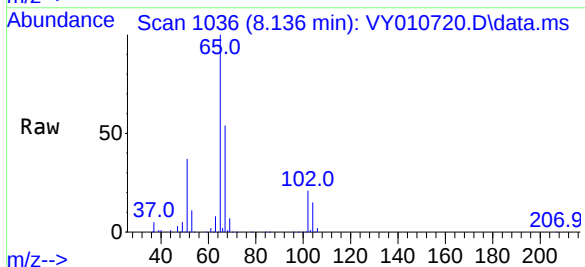


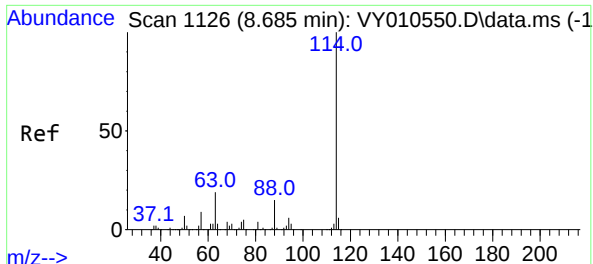
Tgt Ion: 56 Resp: 4529
Ion Ratio Lower Upper
56 100
69 127.2 26.7 40.1#
84 113.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 61.341 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

Tgt Ion: 65 Resp: 114695
Ion Ratio Lower Upper
65 100
67 52.5 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: VY010720.D

Acq: 28 Sep 2022 16:36

Instrument :

MSVOA_Y

ClientSampleId :

RB20515RE

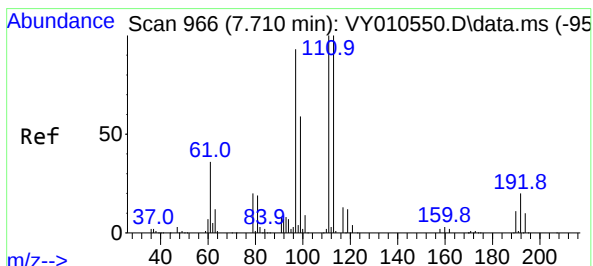
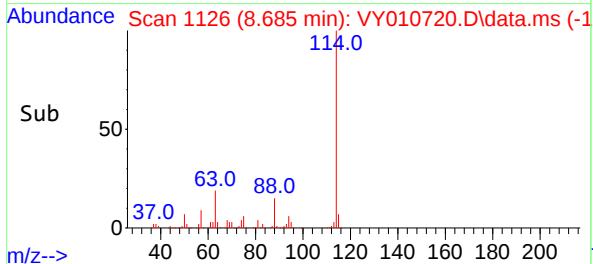
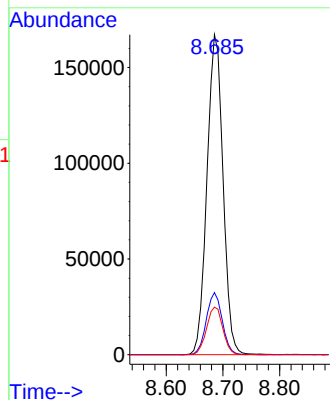
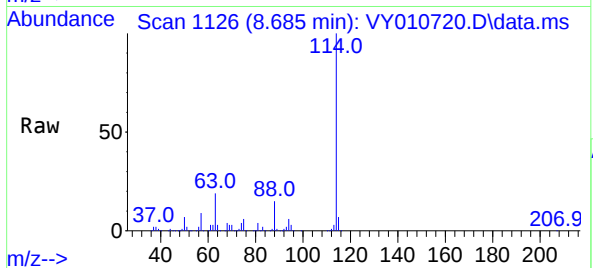
Tgt Ion:114 Resp: 329618

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.087 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010720.D

Acq: 28 Sep 2022 16:36

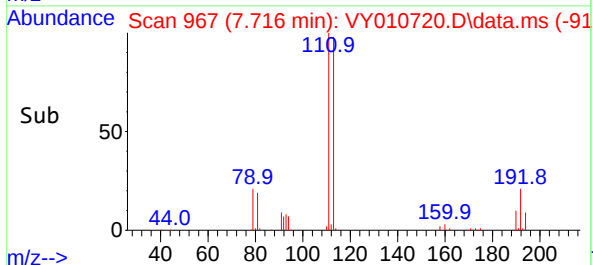
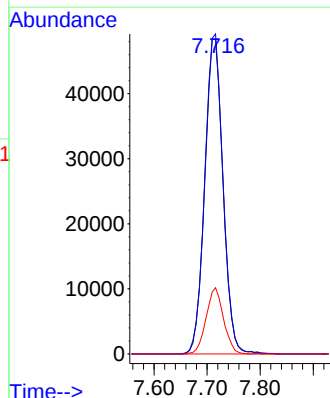
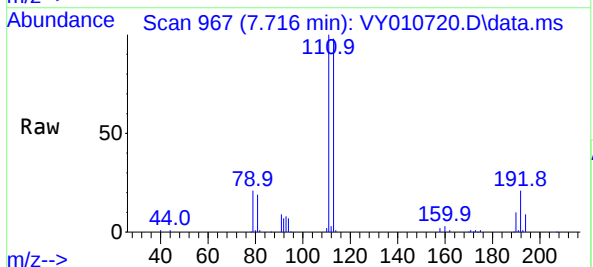
Tgt Ion:113 Resp: 115882

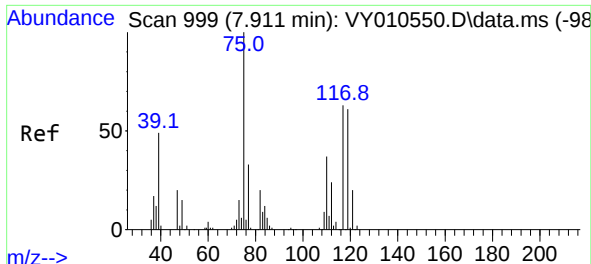
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 20.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.410 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010720.D

Acq: 28 Sep 2022 16:36

Instrument :

MSVOA_Y

ClientSampleId :

RB20515RE

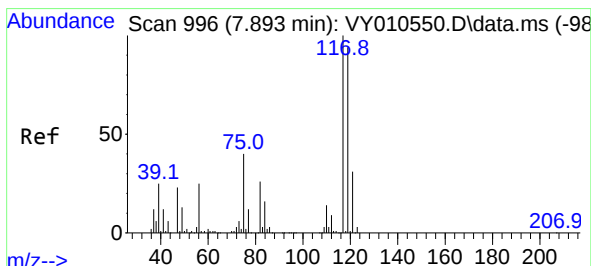
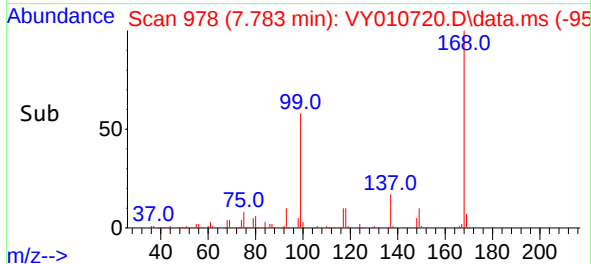
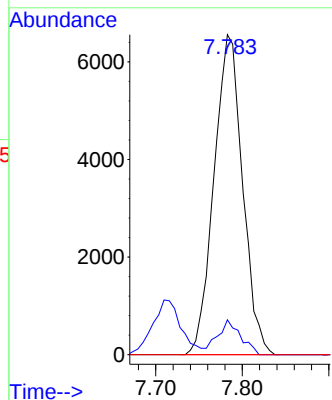
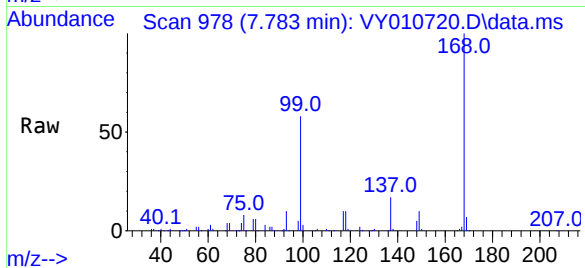
Tgt Ion: 75 Resp: 15024

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.127 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010720.D

Acq: 28 Sep 2022 16:36

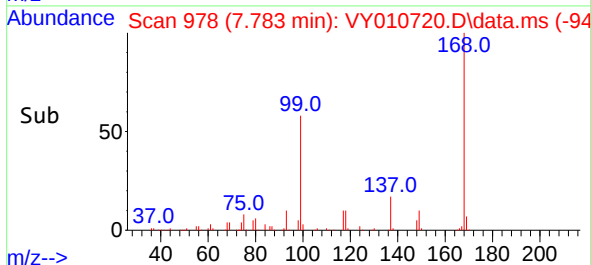
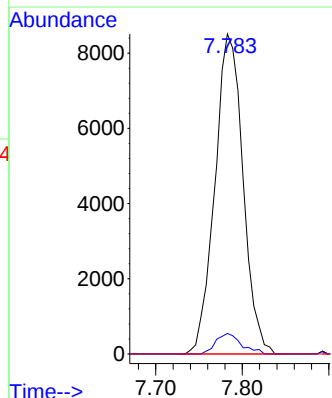
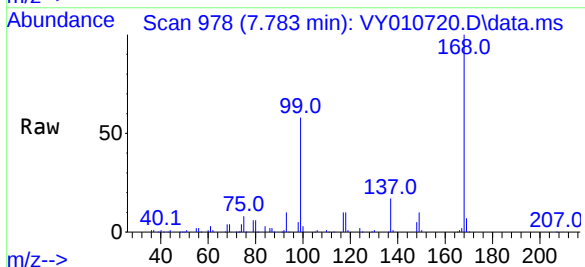
Tgt Ion: 117 Resp: 19207

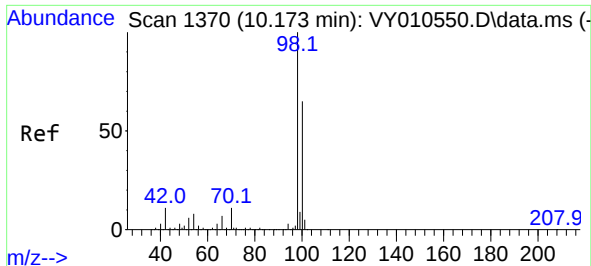
Ion Ratio Lower Upper

117 100

119 6.4 77.9 116.9#

121 0.0 24.8 37.2#

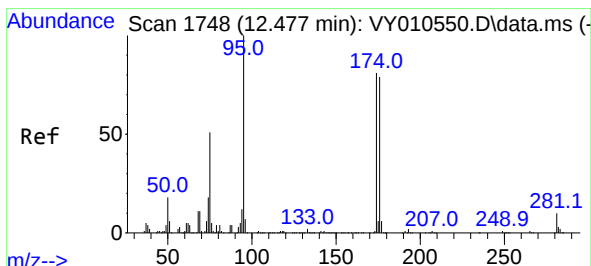
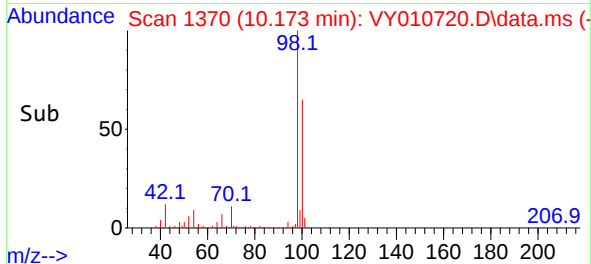
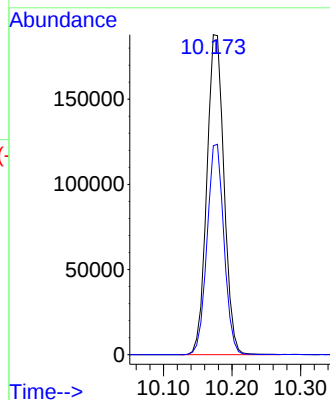
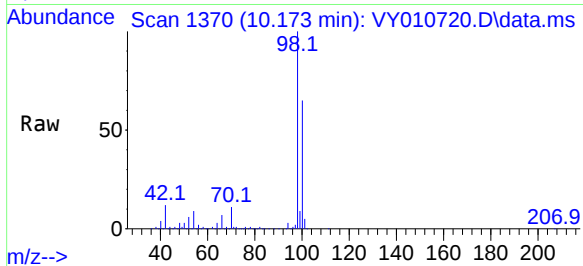




#50
Toluene-d8
Concen: 42.692 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

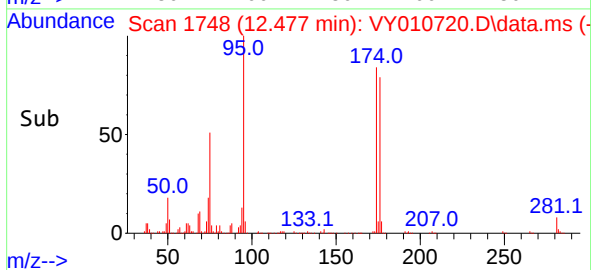
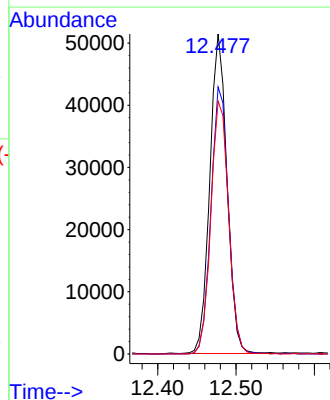
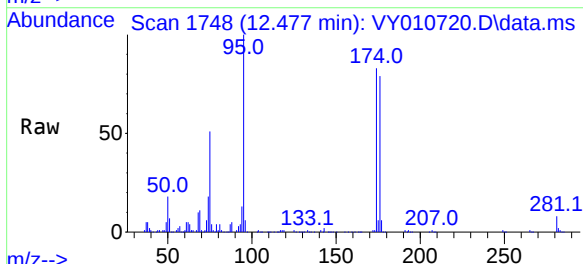
Instrument :
MSVOA_Y
ClientSampleId :
RB20515RE

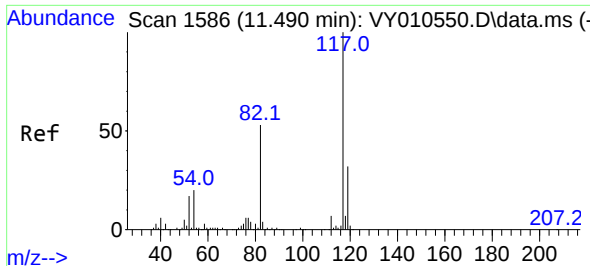
Tgt Ion: 98 Resp: 328128
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 25.809 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

Tgt Ion: 95 Resp: 78238
Ion Ratio Lower Upper
95 100
174 85.0 0.0 177.0
176 81.6 0.0 175.8

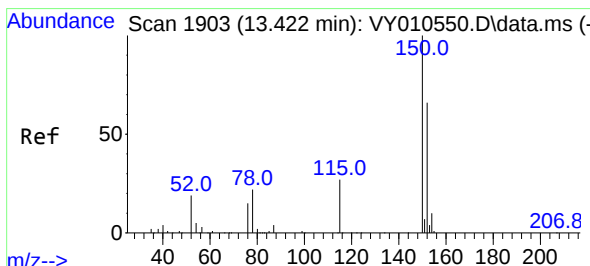
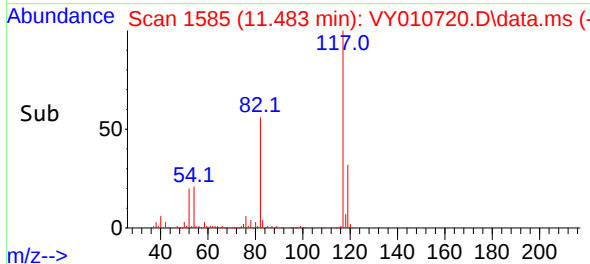
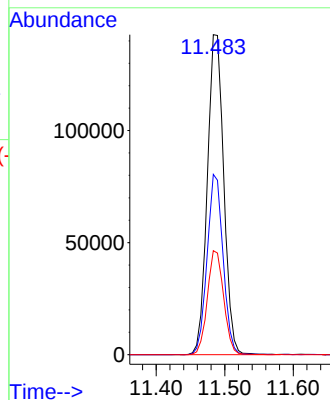
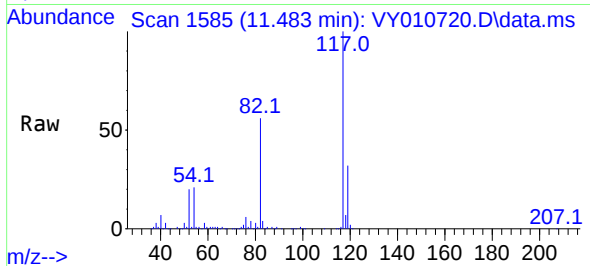




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

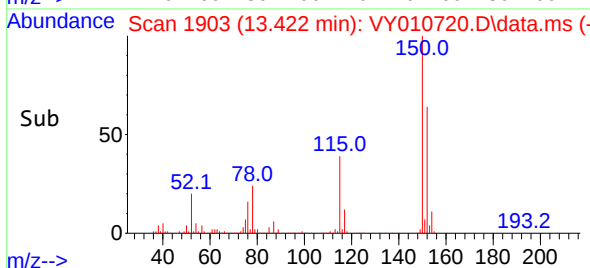
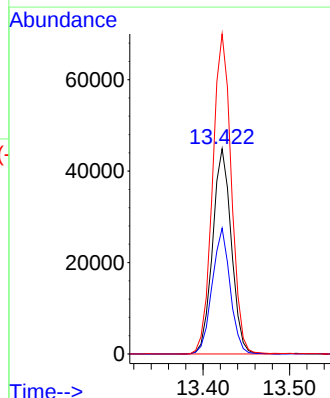
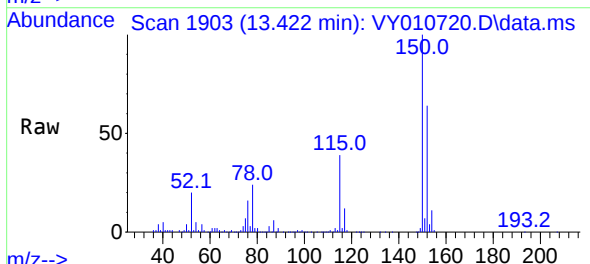
Instrument :
MSVOA_Y
ClientSampleId :
RB20515RE

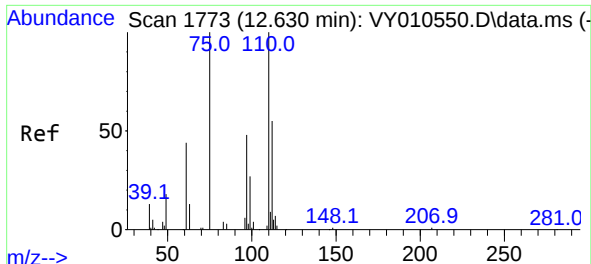
Tgt Ion:117 Resp: 238291
Ion Ratio Lower Upper
117 100
82 56.3 43.0 64.4
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

Tgt Ion:152 Resp: 67333
Ion Ratio Lower Upper
152 100
115 59.0 28.2 84.7
150 156.5 0.0 347.6

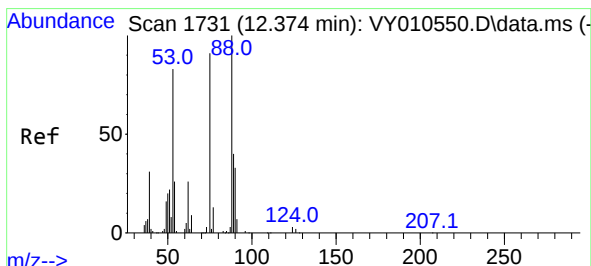
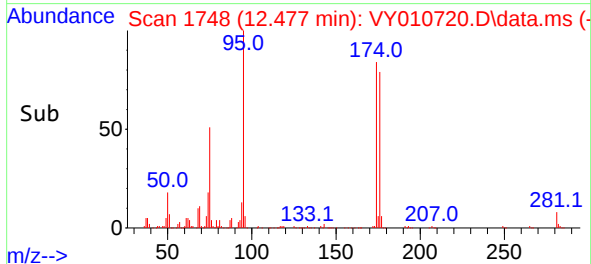
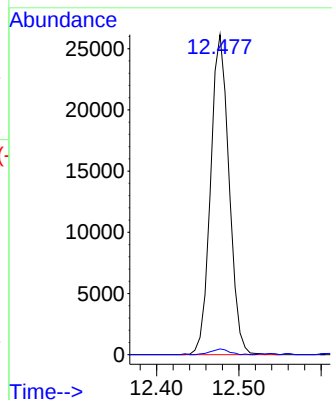
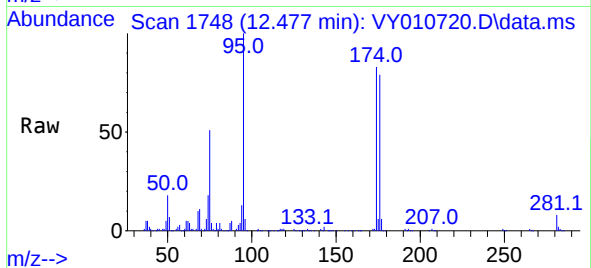




#76
1,2,3-Trichloropropane
Concen: 63.392 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

Instrument :
MSVOA_Y
ClientSampleId :
RB20515RE

Tgt Ion: 75 Resp: 40739
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.949 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010720.D
Acq: 28 Sep 2022 16:36

Tgt Ion: 75 Resp: 40739
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.2 37.0 55.4#

