

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010658.D
 Acq On : 23 Sep 2022 18:53
 Operator : KP/MD
 Sample : N4724-15
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-07-7.5-8.0

Quant Time: Sep 24 01:24:03 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)

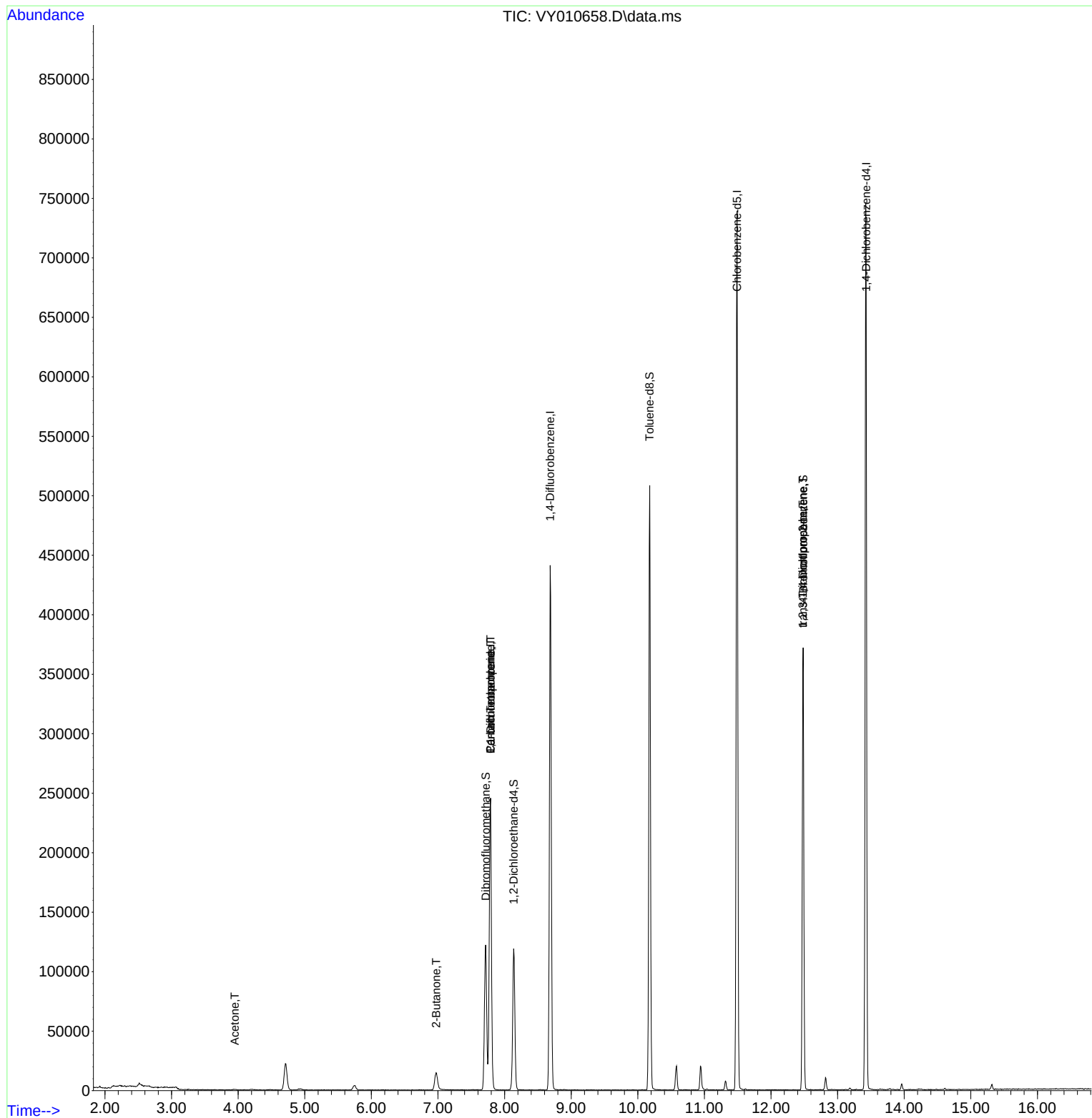
Internal Standards						
1) Pentafluorobenzene	7.789	168	189961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	372377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	394478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	192515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	91289	50.243	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.480%	
35) Dibromofluoromethane	7.716	113	85257	35.875	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 71.740%	
50) Toluene-d8	10.179	98	331794	38.540	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 77.080%	
62) 4-Bromofluorobenzene	12.483	95	107731	32.082	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 64.160%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	45	Below Cal	#	43
3) Chloromethane	2.113	50	319	Below Cal		98
4) Vinyl Chloride	2.509	62	21	Below Cal	#	43
5) Bromomethane	2.668	94	162	Below Cal	#	52
11) Tert butyl alcohol	4.918	59	1311	Below Cal	#	77
16) Acetone	3.948	43	872	2.353 ug/l	#	57
17) Carbon Disulfide	4.180	76	20	Below Cal	#	75
18) Methyl Acetate	4.485	43	689	Below Cal	#	61
20) Methylene Chloride	4.704	84	16792	Below Cal	#	78
25) 2-Butanone	6.972	43	799	1.379 ug/l	#	54
31) Cyclohexane	7.783	56	3846	Below Cal	#	2
36) 1,1-Dichloropropene	7.789	75	14463	5.462 ug/l	#	51
38) Carbon Tetrachloride	7.789	117	18496	6.075 ug/l	#	15
76) 1,2,3-Trichloropropane	12.477	75	55791	30.364 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	55791	67.512 ug/l	#	7

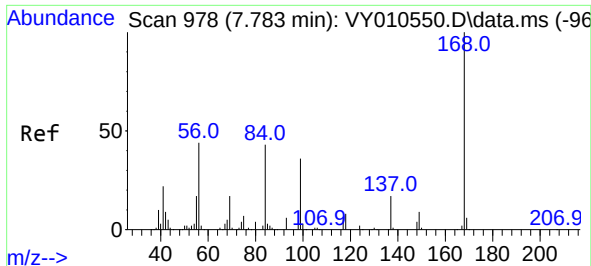
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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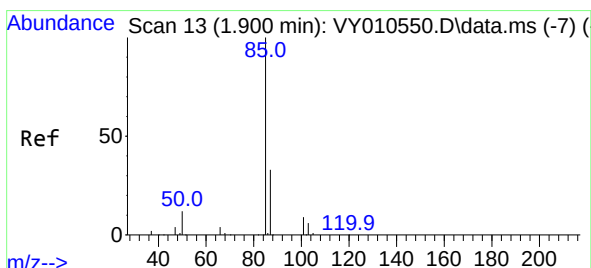
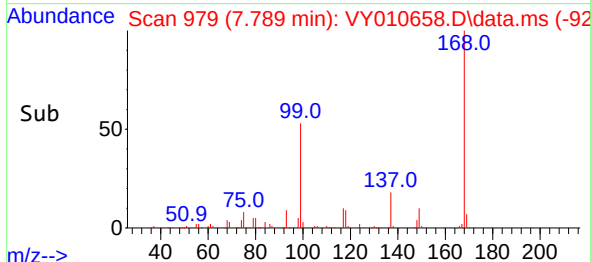
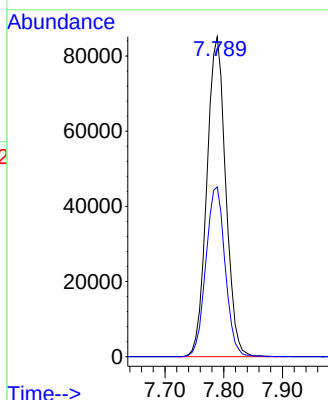
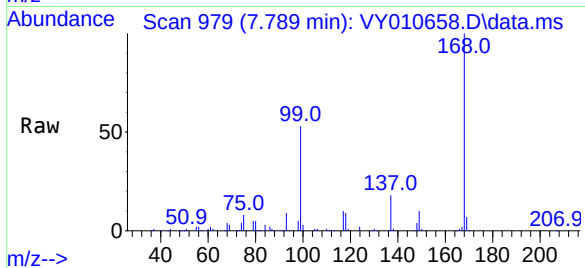




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

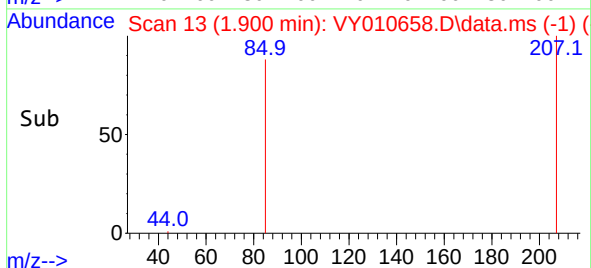
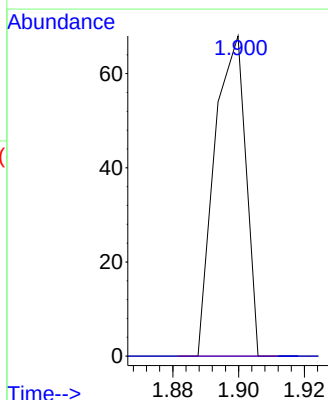
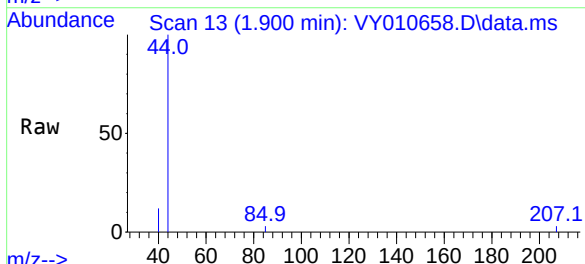
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-7.5-8.0

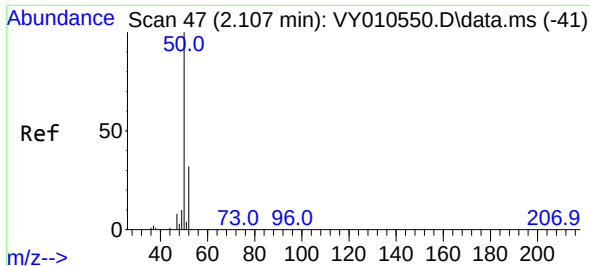
Tgt Ion:168 Resp: 189961
Ion Ratio Lower Upper
168 100
99 53.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

Tgt Ion: 85 Resp: 45
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

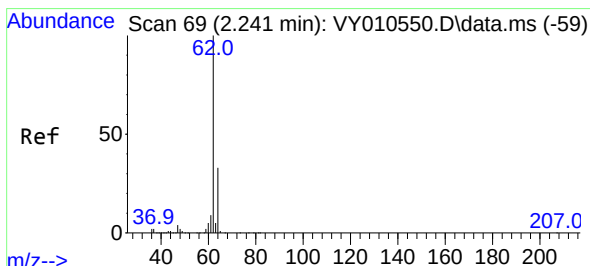
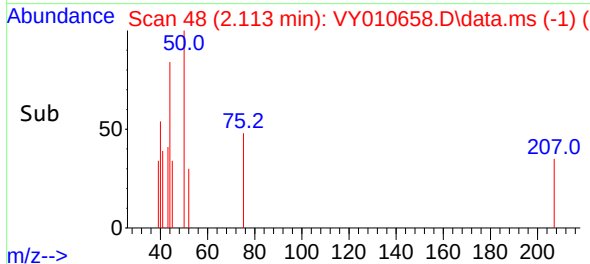
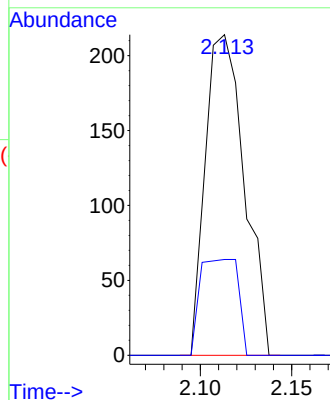
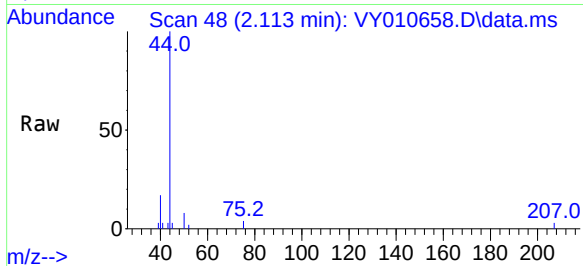




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

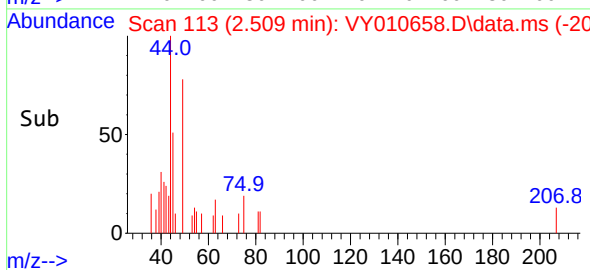
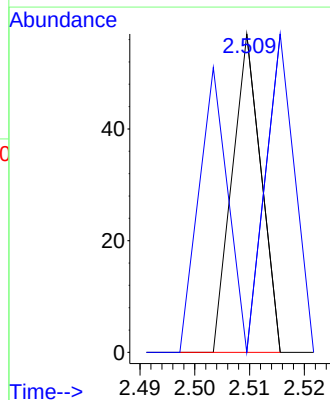
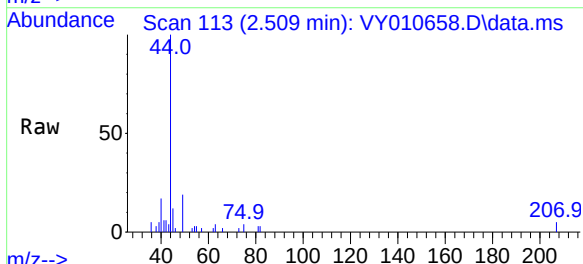
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-7.5-8.0

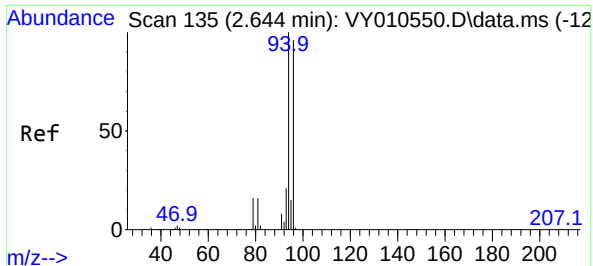
Tgt Ion: 50 Resp: 319
Ion Ratio Lower Upper
50 100
52 29.9 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.509 min Scan# 113
Delta R.T. 0.268 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

Tgt Ion: 62 Resp: 21
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

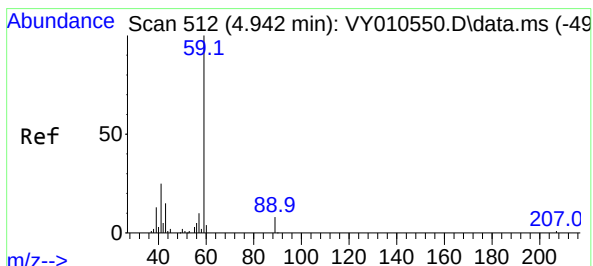
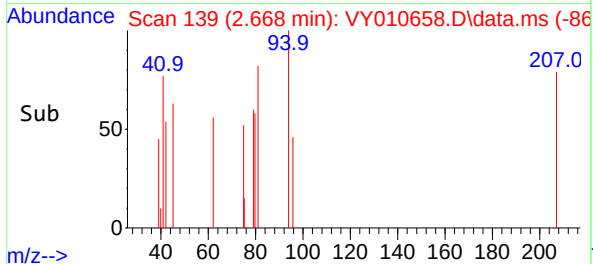
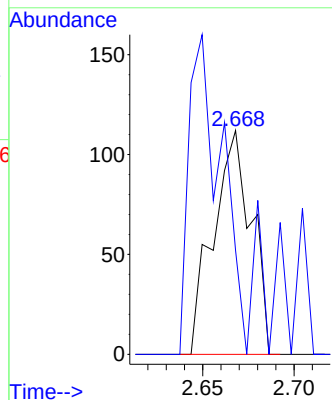
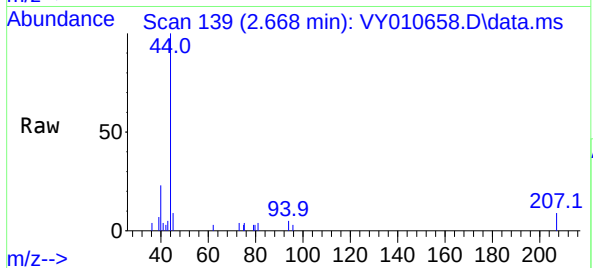




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

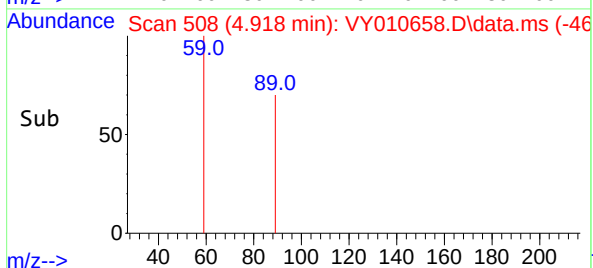
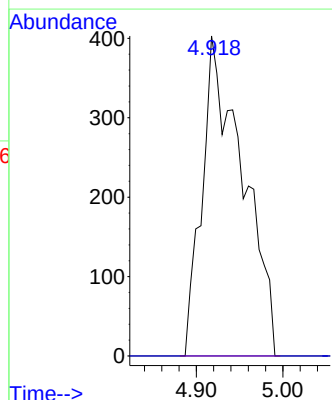
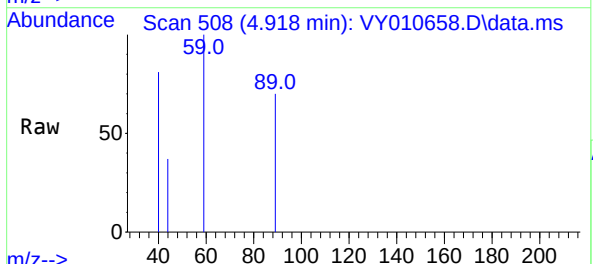
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-7.5-8.0

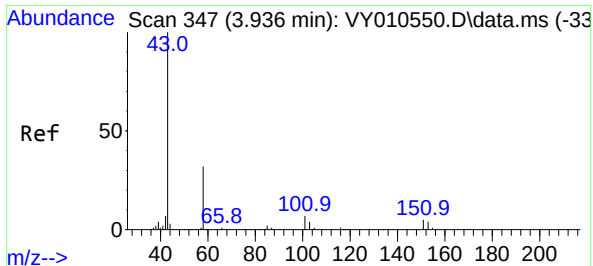
Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 46.4 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.024 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

Tgt Ion: 59 Resp: 1311
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

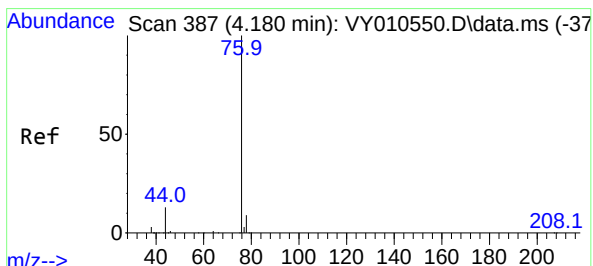
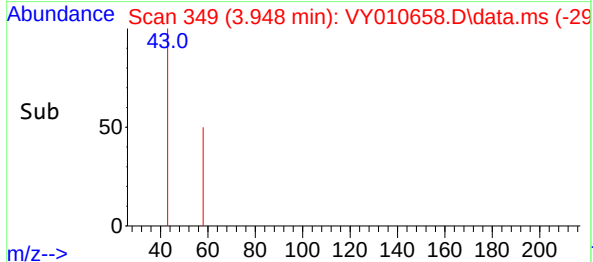
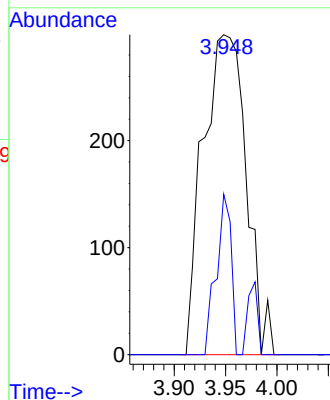
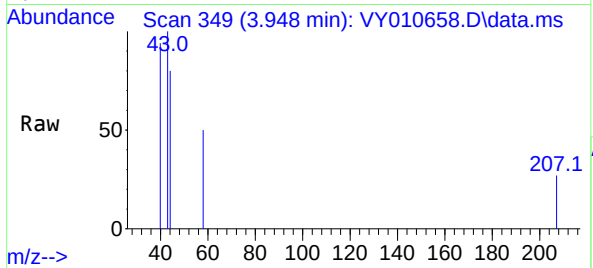




#16
Acetone
Concen: 2.353 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

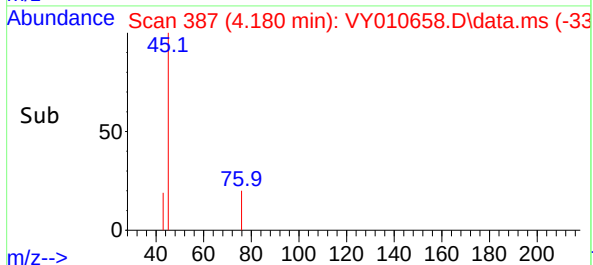
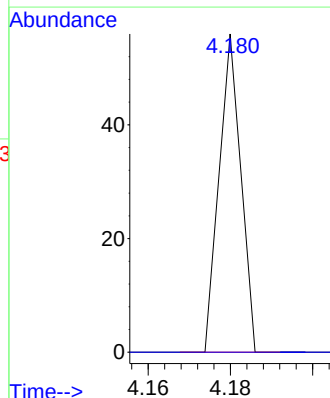
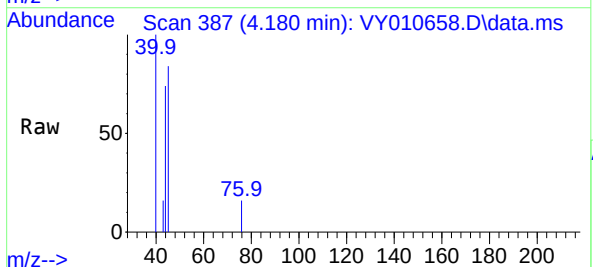
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-7.5-8.0

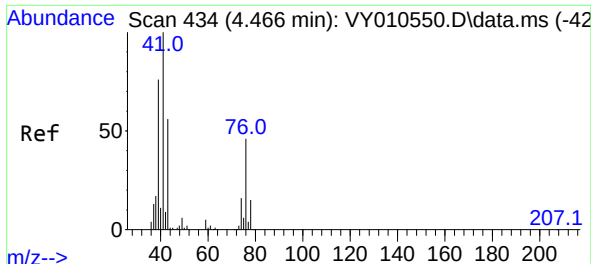
Tgt Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
58 50.2 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 387
Delta R.T. -0.000 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

Tgt Ion: 76 Resp: 20
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY010658.D

Acq: 23 Sep 2022 18:53

Instrument :

MSVOA_Y

ClientSampleId :

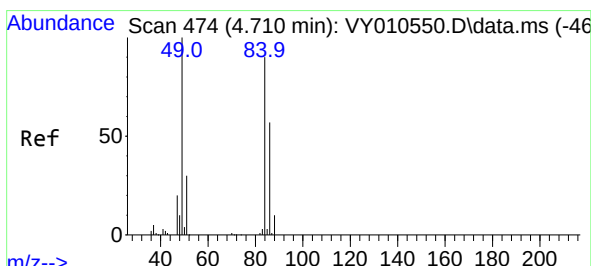
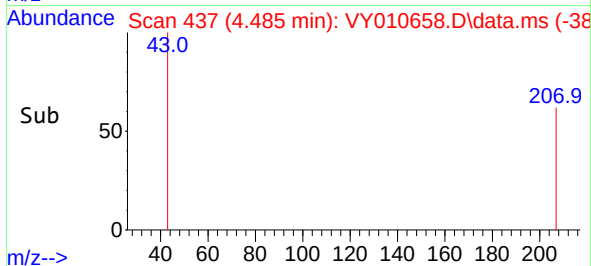
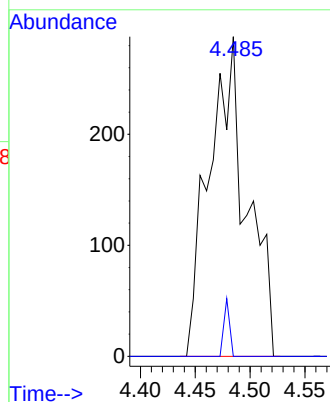
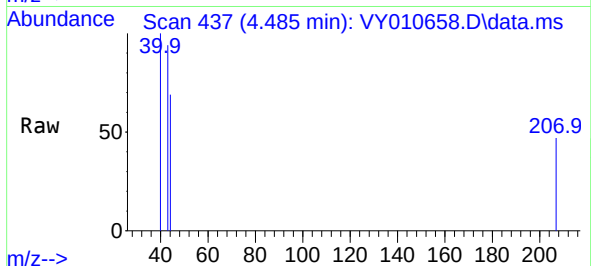
SB-07-7.5-8.0

Tgt Ion: 43 Resp: 689

Ion Ratio Lower Upper

43 100

74 2.8 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY010658.D

Acq: 23 Sep 2022 18:53

Tgt Ion: 84 Resp: 16792

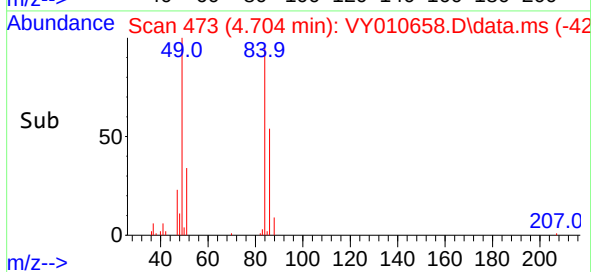
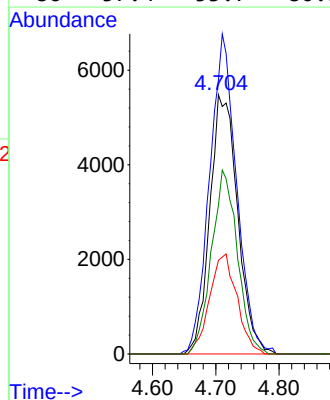
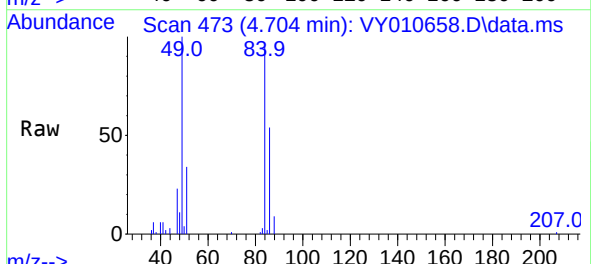
Ion Ratio Lower Upper

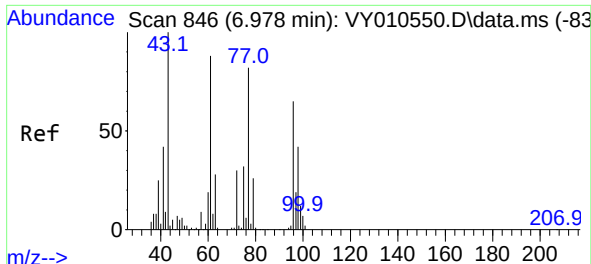
84 100

49 105.7 114.4 171.6#

51 36.1 35.3 52.9

86 57.4 53.7 80.5

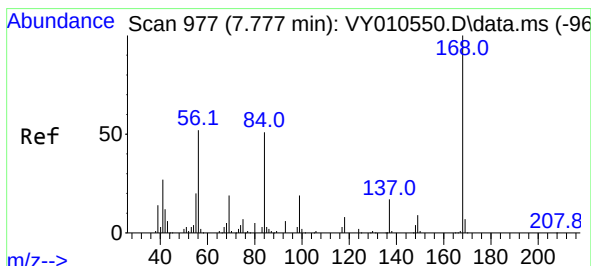
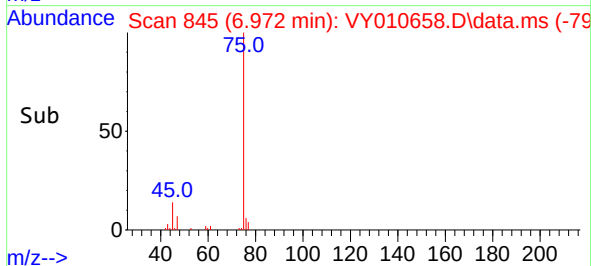
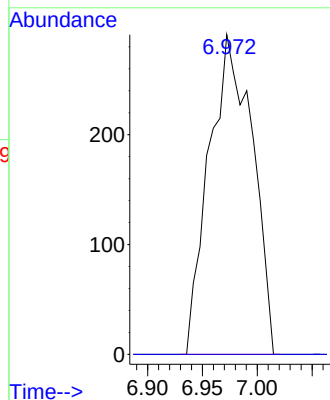
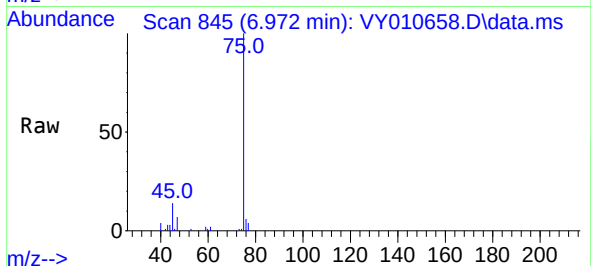




#25
2-Butanone
Concen: 1.379 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

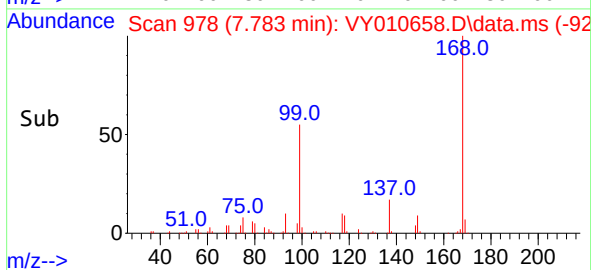
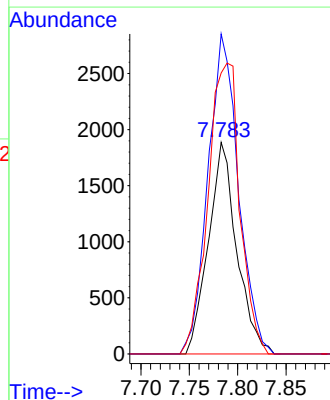
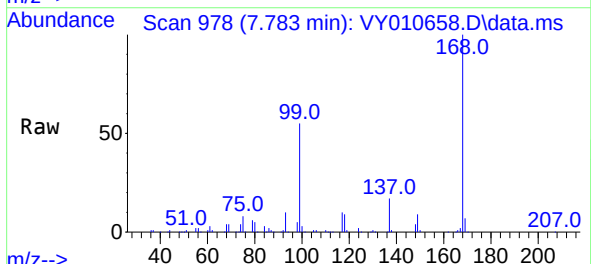
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-7.5-8.0

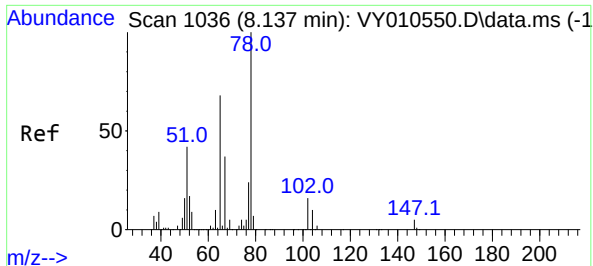
Tgt Ion: 43 Resp: 799
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

Tgt Ion: 56 Resp: 3846
Ion Ratio Lower Upper
56 100
69 151.3 26.7 40.1#
84 132.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.243 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY010658.D

Acq: 23 Sep 2022 18:53

Instrument :

MSVOA_Y

ClientSampleId :

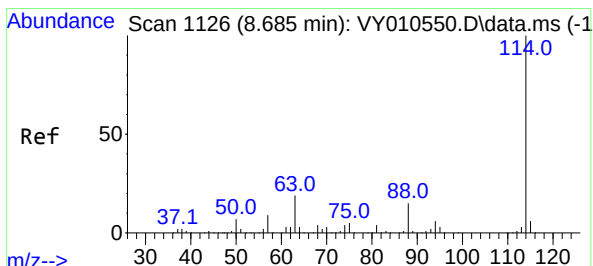
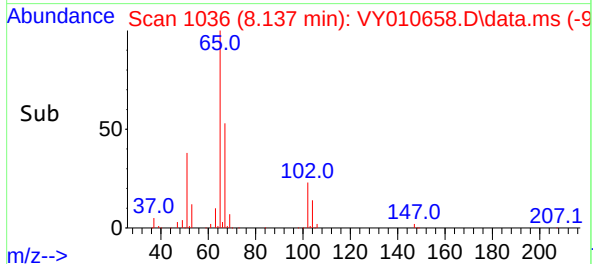
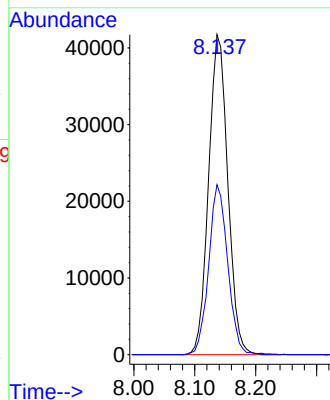
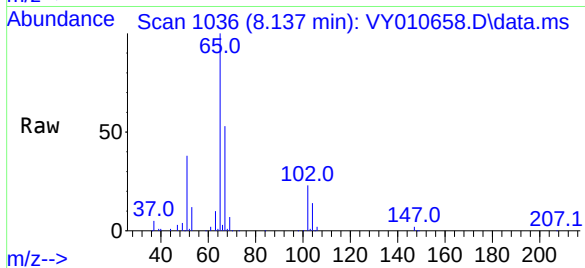
SB-07-7.5-8.0

Tgt Ion: 65 Resp: 91289

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: VY010658.D

Acq: 23 Sep 2022 18:53

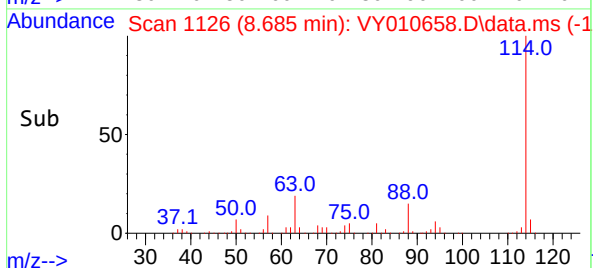
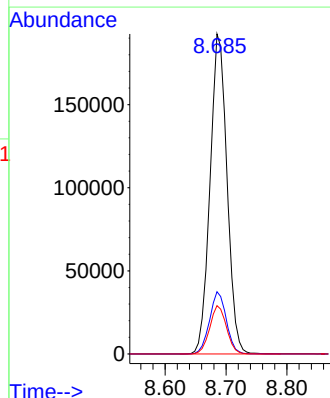
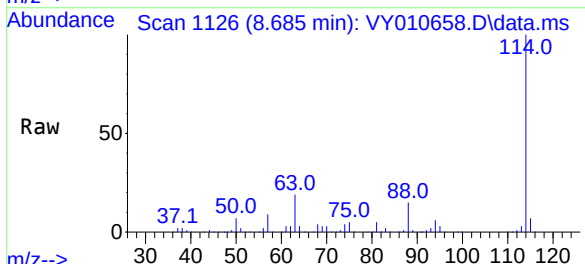
Tgt Ion: 114 Resp: 372377

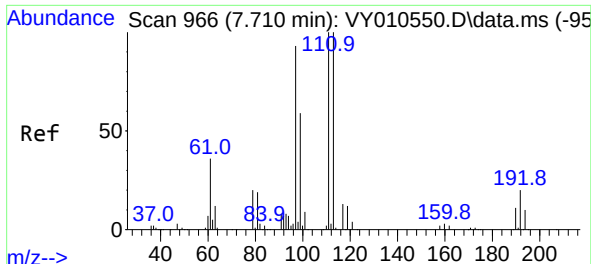
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.1 0.0 31.8

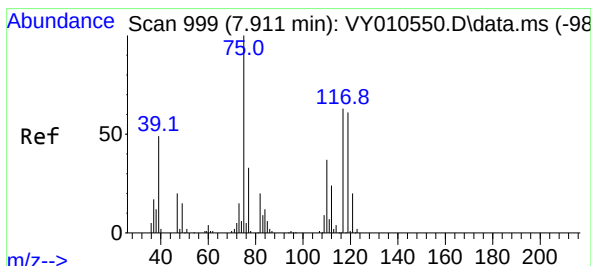
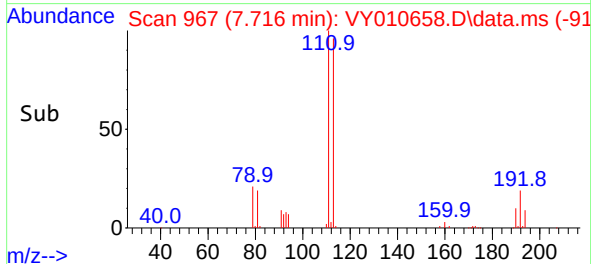
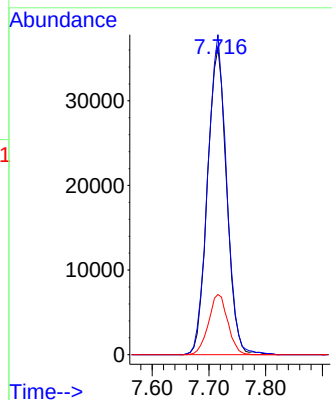
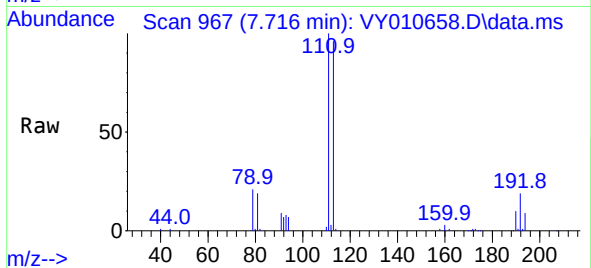




#35
Dibromofluoromethane
Concen: 35.875 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

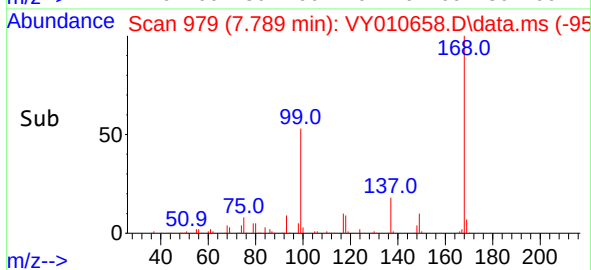
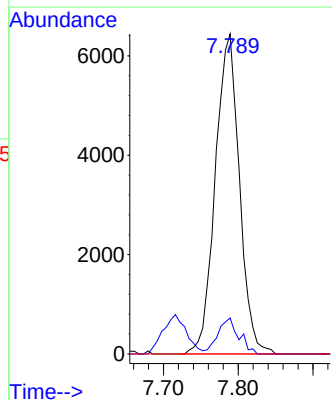
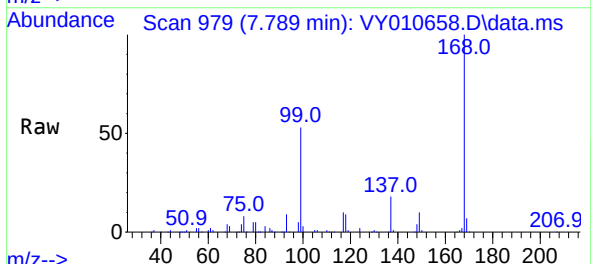
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-7.5-8.0

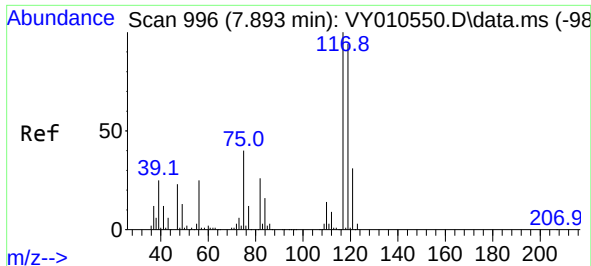
Tgt Ion:113 Resp: 85257
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 19.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.462 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

Tgt Ion: 75 Resp: 14463
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#

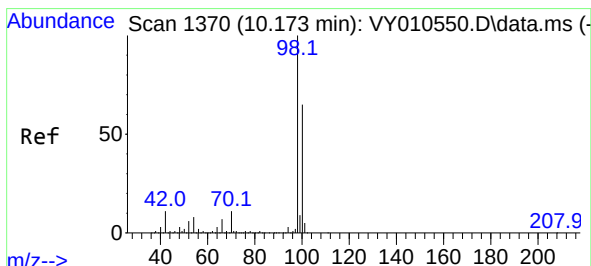
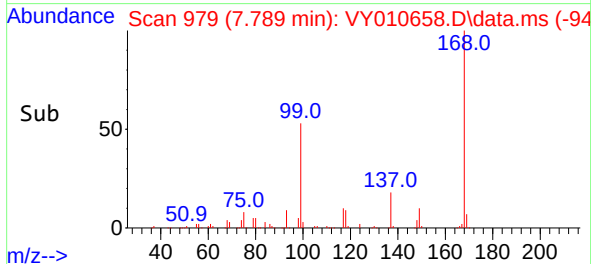
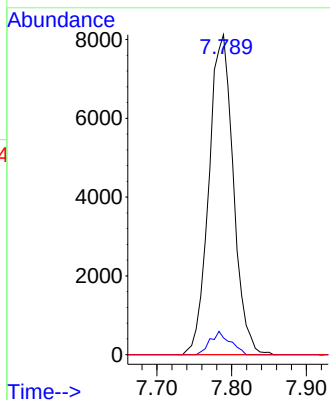
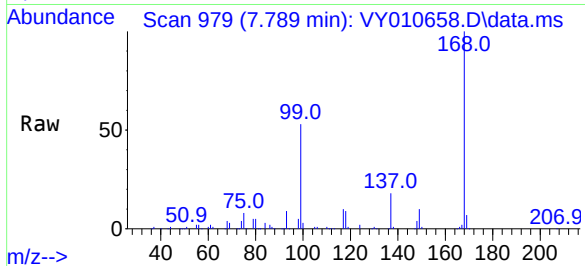




#38
Carbon Tetrachloride
Concen: 6.075 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

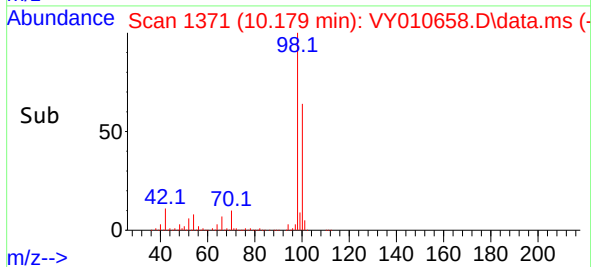
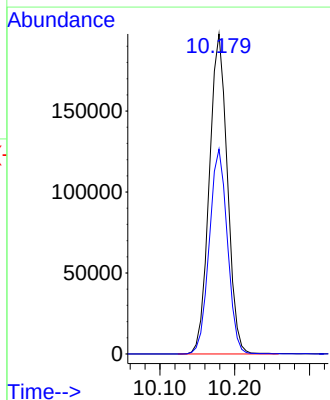
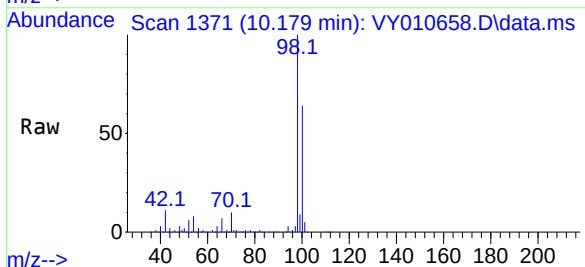
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-7.5-8.0

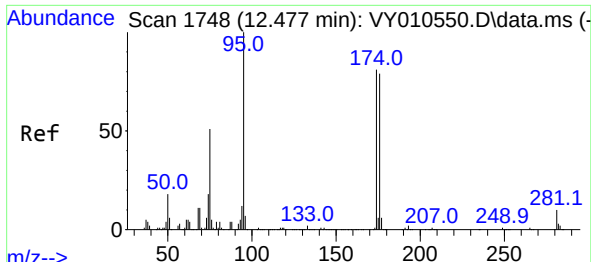
Tgt Ion:117 Resp: 18496
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 38.540 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

Tgt Ion: 98 Resp: 331794
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2

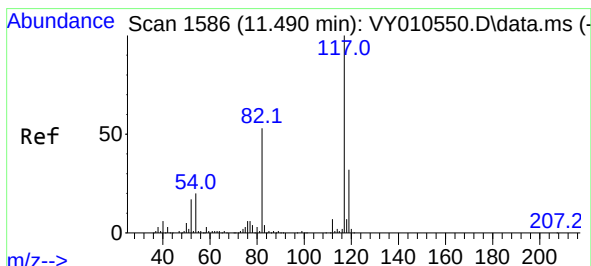
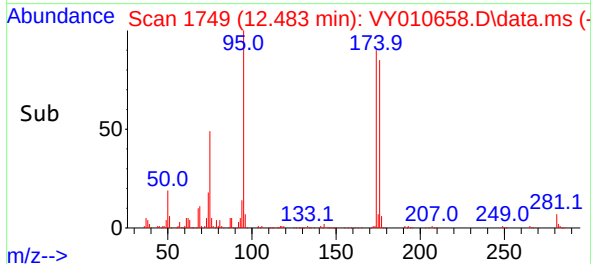
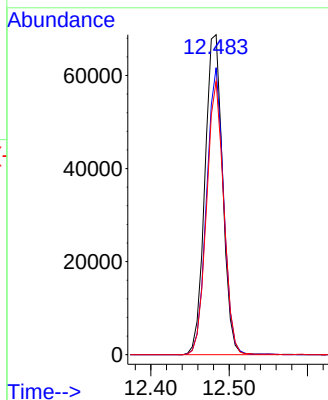
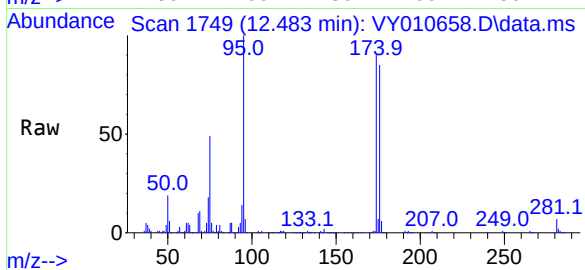




#62
4-Bromofluorobenzene
Concen: 32.082 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

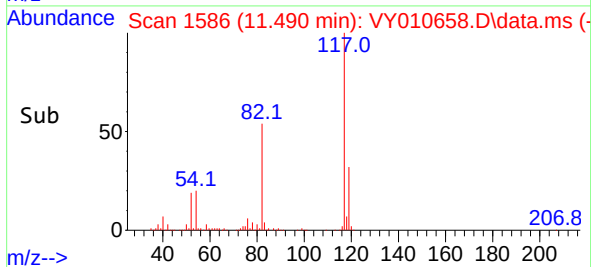
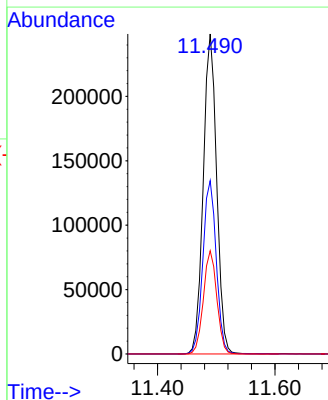
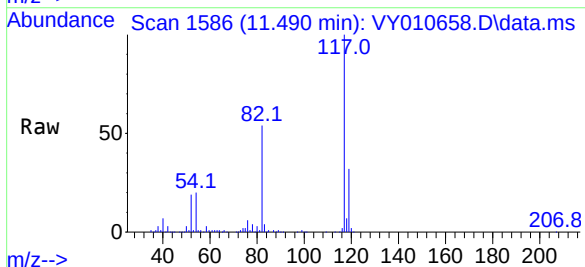
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-7.5-8.0

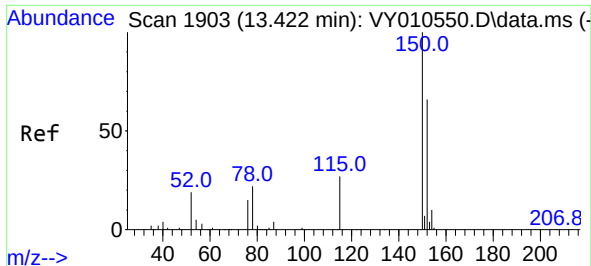
Tgt Ion: 95 Resp: 107731
Ion Ratio Lower Upper
95 100
174 86.1 0.0 177.0
176 82.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

Tgt Ion: 117 Resp: 394478
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 32.3 25.4 38.0

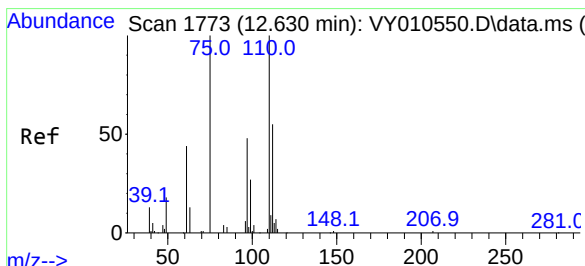
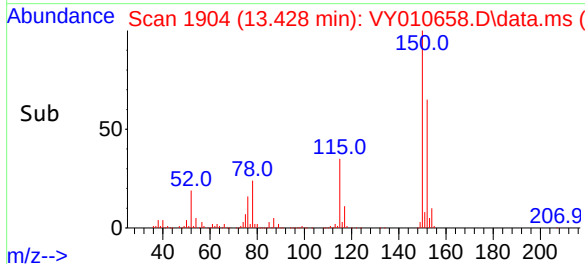
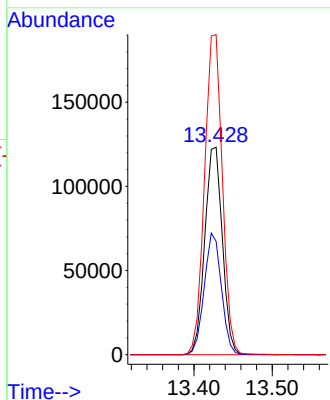
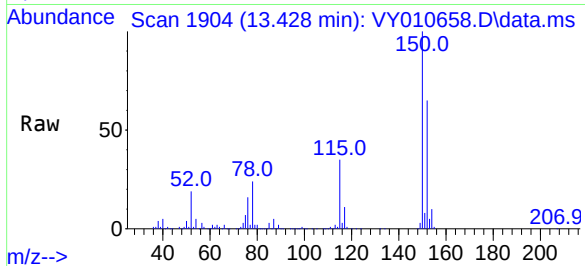




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

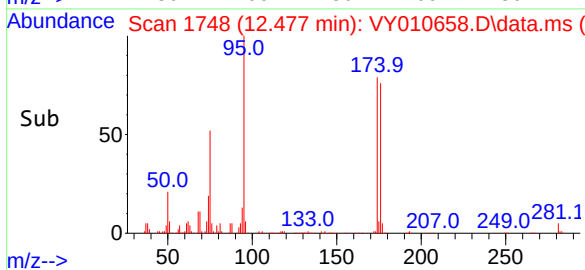
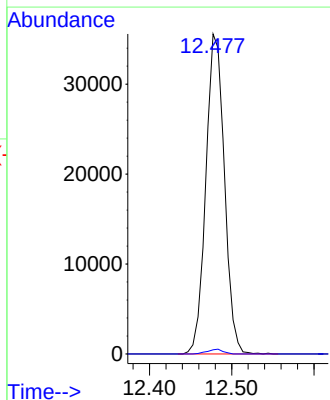
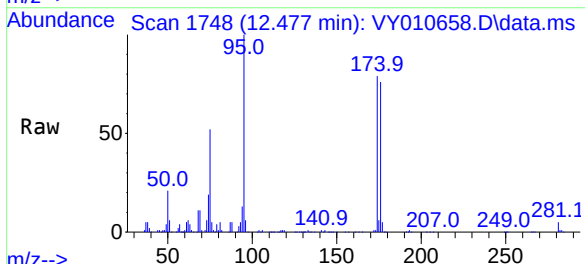
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-7.5-8.0

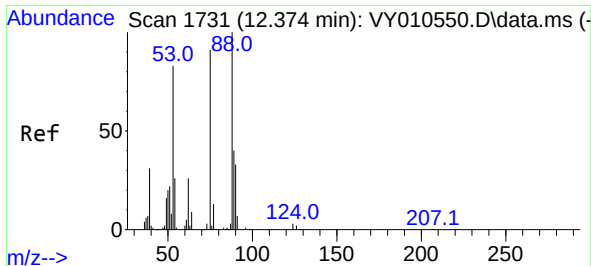
Tgt Ion:152 Resp: 192515
Ion Ratio Lower Upper
152 100
115 57.2 28.2 84.7
150 155.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 30.364 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010658.D
Acq: 23 Sep 2022 18:53

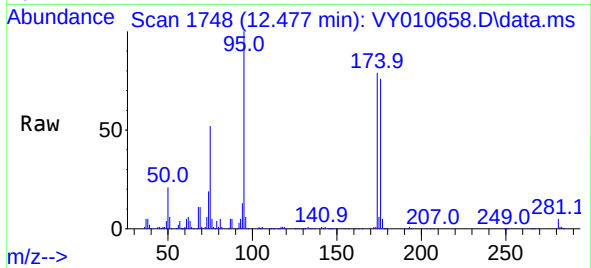
Tgt Ion: 75 Resp: 55791
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.512 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010658.D
 Acq: 23 Sep 2022 18:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-07-7.5-8.0



Tgt Ion: 75 Resp: 55791
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

