

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010634.D
 Acq On : 22 Sep 2022 19:46
 Operator : KP/MD
 Sample : N4723-07RE
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-12-6.5-7.0

Quant Time: Sep 23 09:05:09 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)

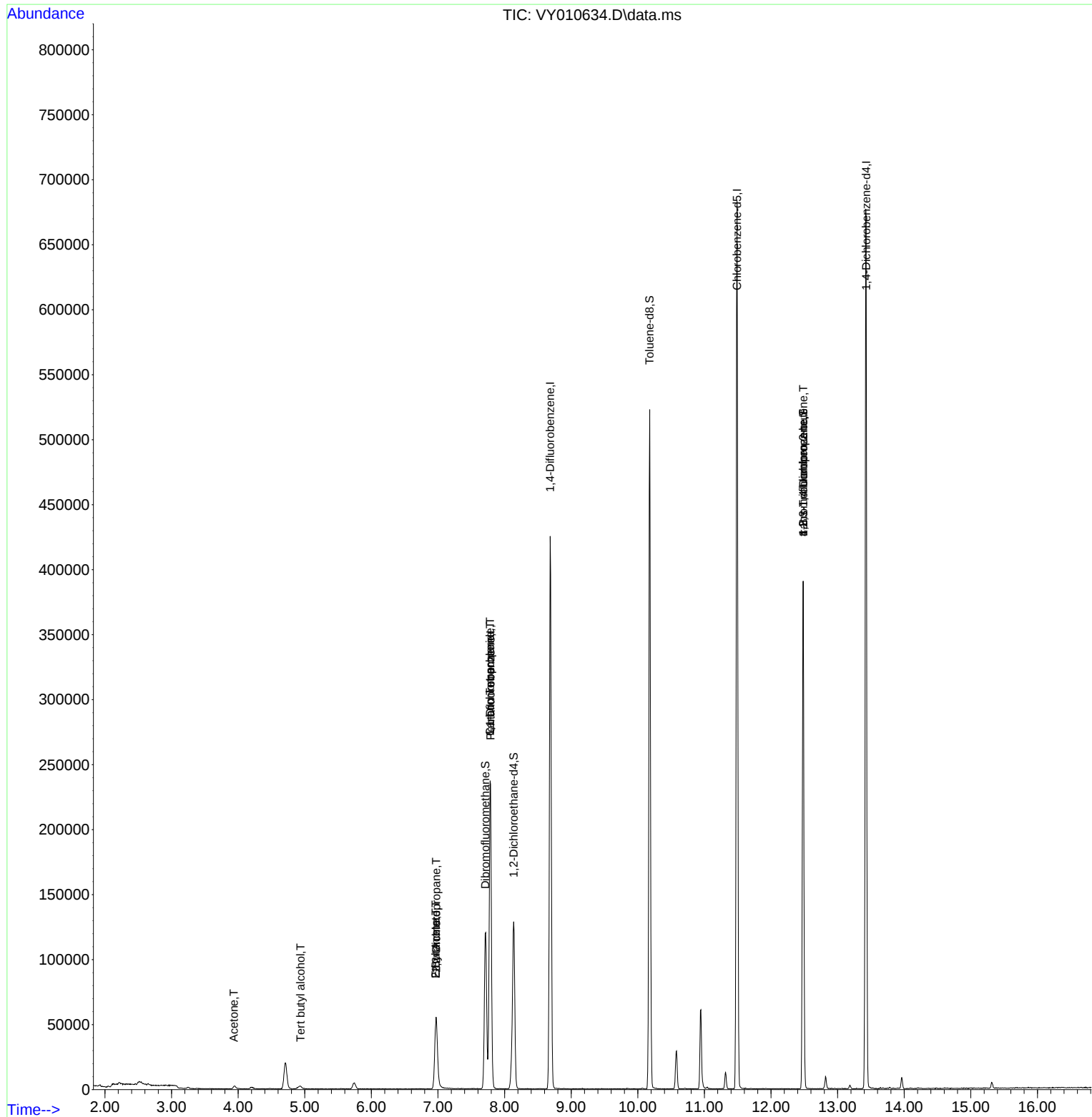
Internal Standards						
1) Pentafluorobenzene	7.789	168	186461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	357798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	368910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	173441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	93265	52.295	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.580%
35) Dibromofluoromethane	7.710	113	86895	38.054	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.100%
50) Toluene-d8	10.179	98	330850	39.878	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	79.760%
62) 4-Bromofluorobenzene	12.483	95	109484	34.097	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	68.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	249	Below Cal	#	43
3) Chloromethane	2.107	50	437	Below Cal		92
4) Vinyl Chloride	2.278	62	20	Below Cal	#	43
5) Bromomethane	2.656	94	163	Below Cal	#	59
11) Tert butyl alcohol	4.936	59	3063	8.404	ug/l #	82
16) Acetone	3.936	43	4238	11.653	ug/l	92
17) Carbon Disulfide	4.192	76	41	Below Cal	#	75
18) Methyl Acetate	4.466	43	288	Below Cal	#	56
20) Methylene Chloride	4.704	84	15620	Below Cal	#	83
25) 2-Butanone	6.966	43	2712	4.767	ug/l #	77
26) 2,2-Dichloropropane	6.972	77	4184	1.547	ug/l #	55
31) Cyclohexane	7.783	56	3753	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	14870	5.844	ug/l #	50
37) Ethyl Acetate	6.966	43	2712	1.845	ug/l #	1
38) Carbon Tetrachloride	7.783	117	18355	6.274	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	57574	34.780	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57574	77.331	ug/l #	7

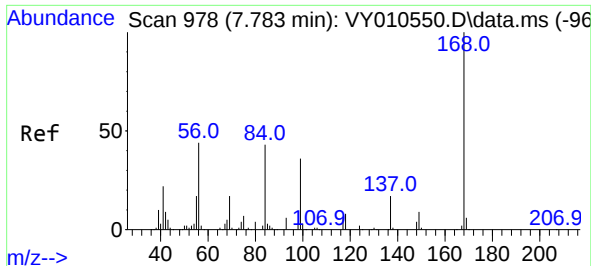
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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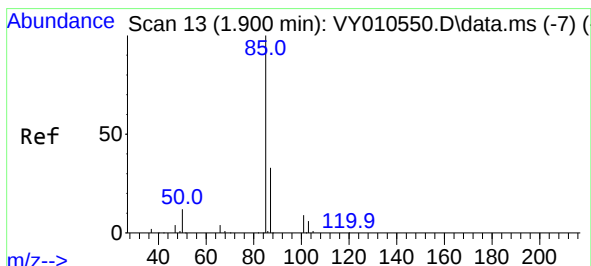
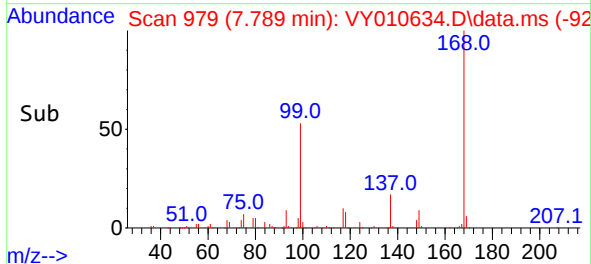
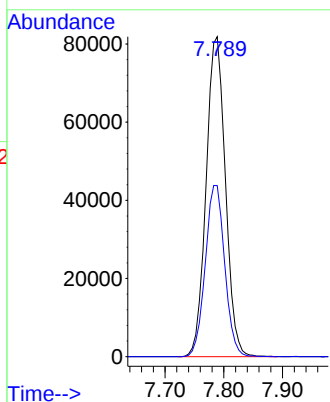
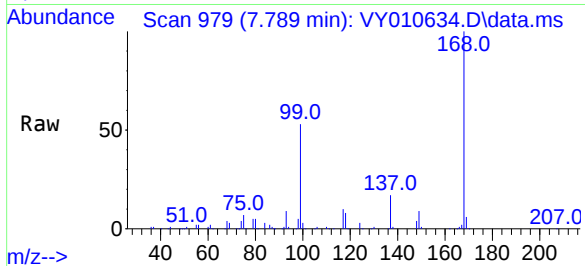




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

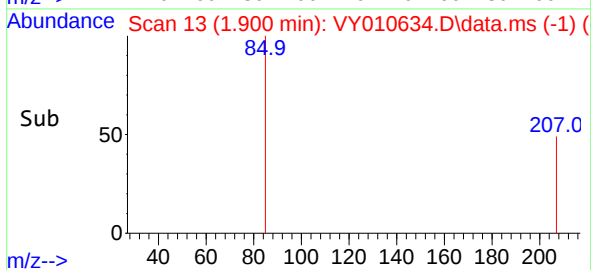
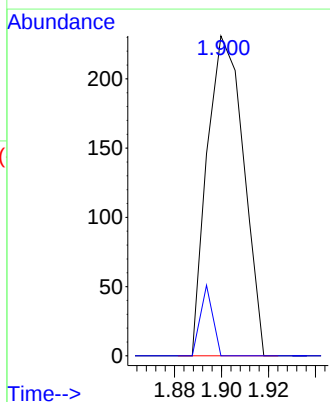
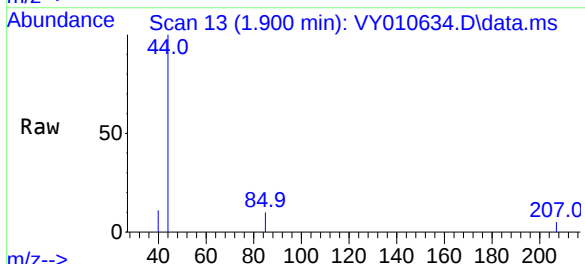
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-6.5-7.0

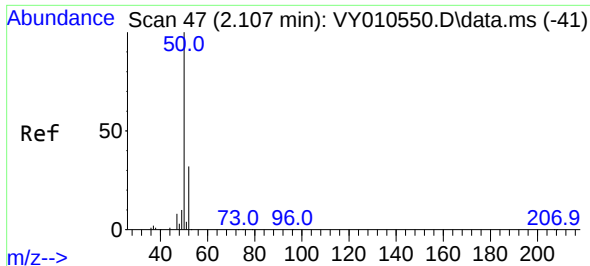
Tgt Ion:168 Resp: 186461
Ion Ratio Lower Upper
168 100
99 53.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

Tgt Ion: 85 Resp: 249
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

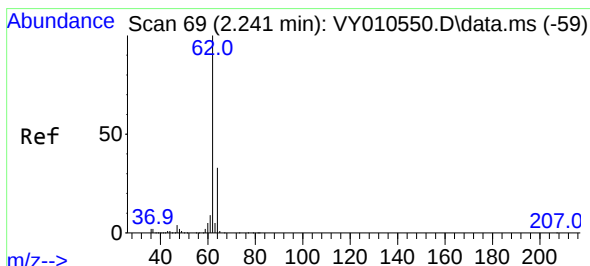
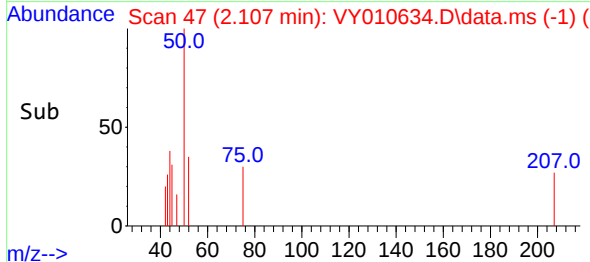
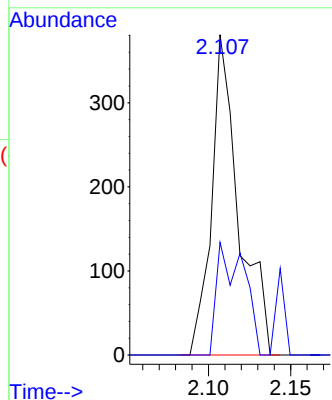
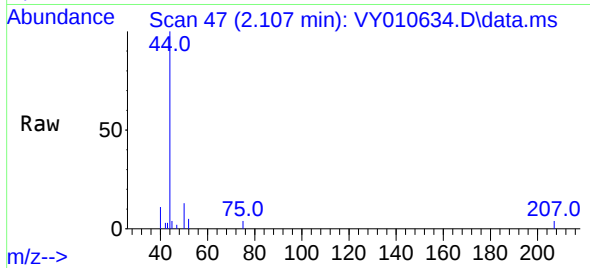




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

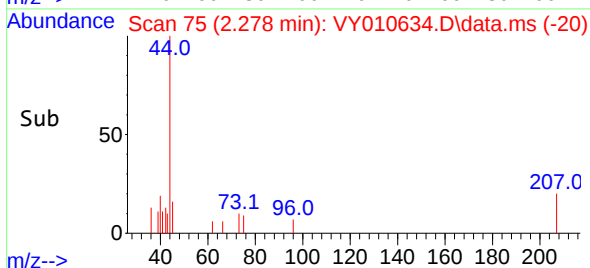
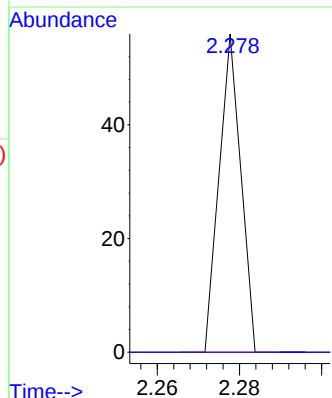
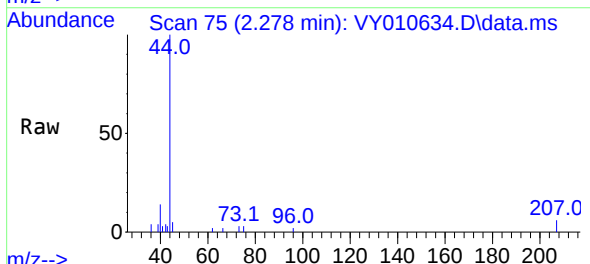
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-6.5-7.0

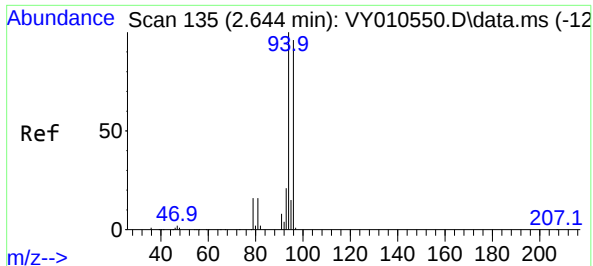
Tgt Ion: 50 Resp: 437
Ion Ratio Lower Upper
50 100
52 35.2 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.278 min Scan# 75
Delta R.T. 0.037 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

Tgt Ion: 62 Resp: 20
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

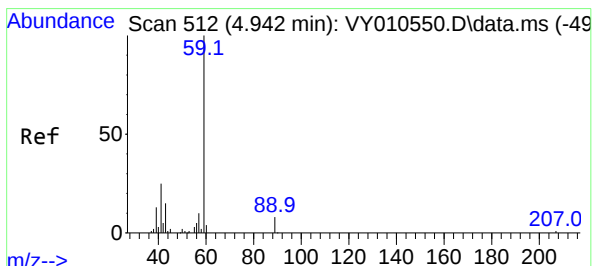
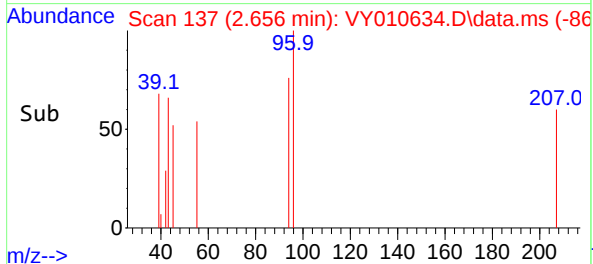
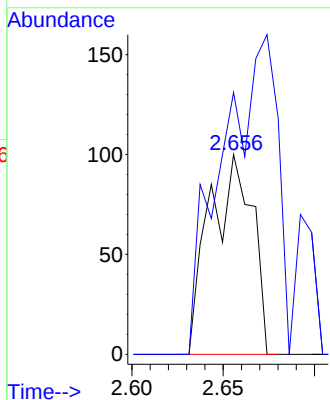
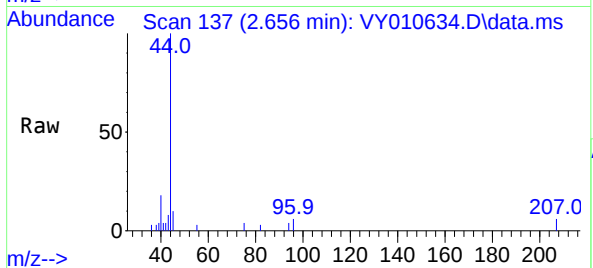




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

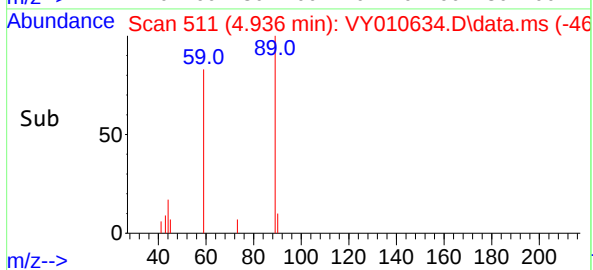
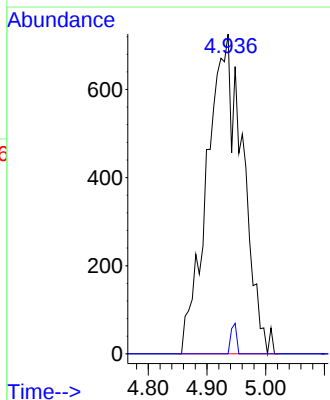
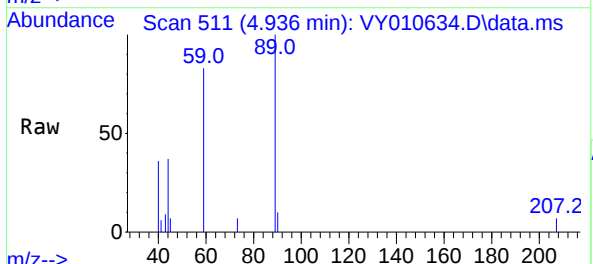
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-6.5-7.0

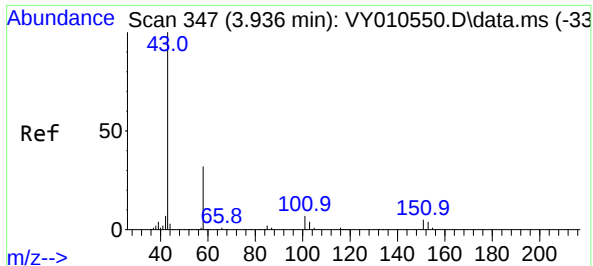
Tgt Ion: 94 Resp: 163
Ion Ratio Lower Upper
94 100
96 131.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: 8.404 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

Tgt Ion: 59 Resp: 3063
Ion Ratio Lower Upper
59 100
57 1.5 6.4 9.6#

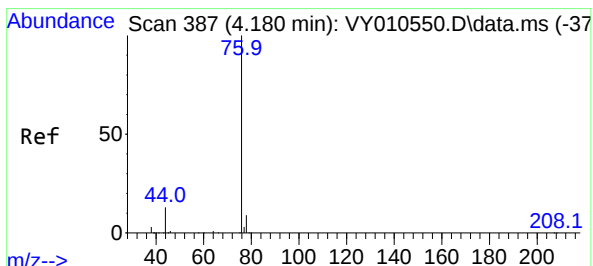
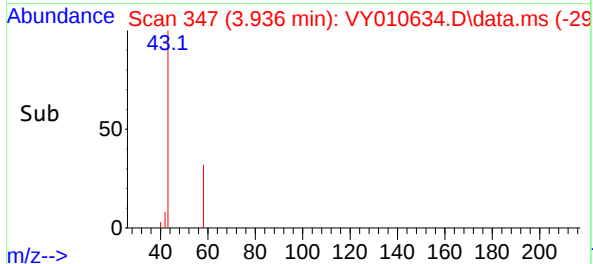
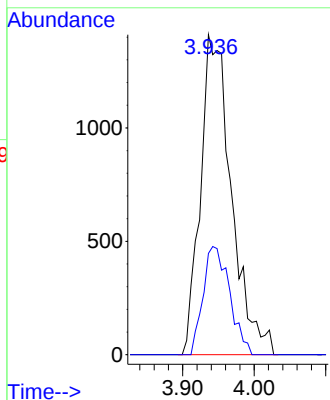
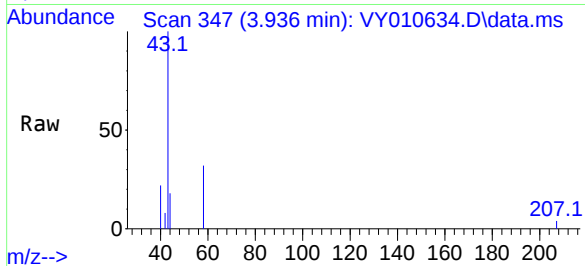




#16
Acetone
Concen: 11.653 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

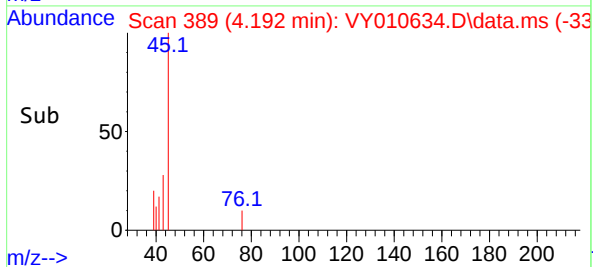
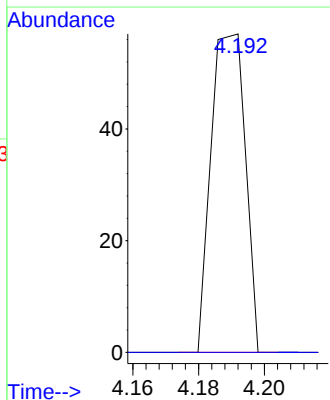
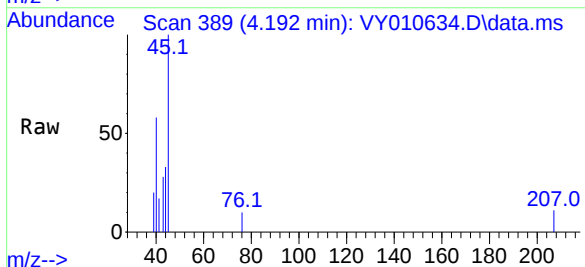
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-6.5-7.0

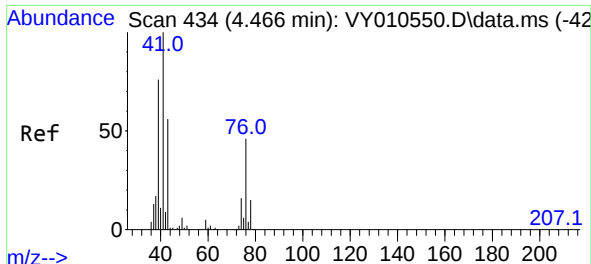
Tgt Ion: 43 Resp: 4238
Ion Ratio Lower Upper
43 100
58 31.7 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

Tgt Ion: 76 Resp: 41
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY010634.D

Acq: 22 Sep 2022 19:46

Instrument :

MSVOA_Y

ClientSampleId :

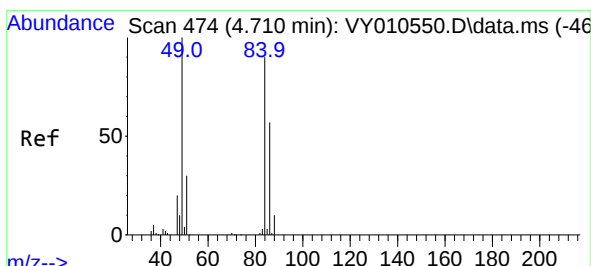
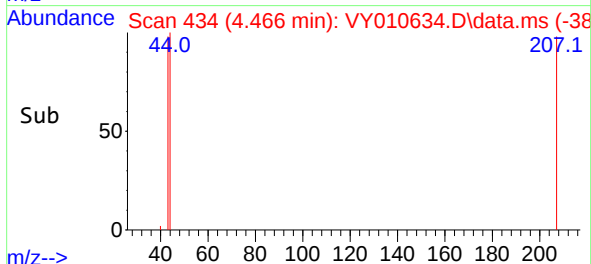
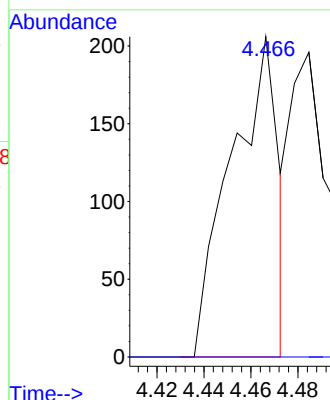
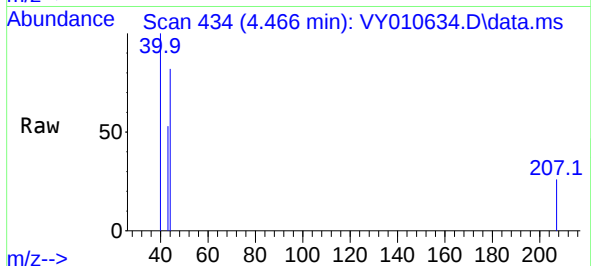
SB-12-6.5-7.0

Tgt Ion: 43 Resp: 288

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY010634.D

Acq: 22 Sep 2022 19:46

Tgt Ion: 84 Resp: 15620

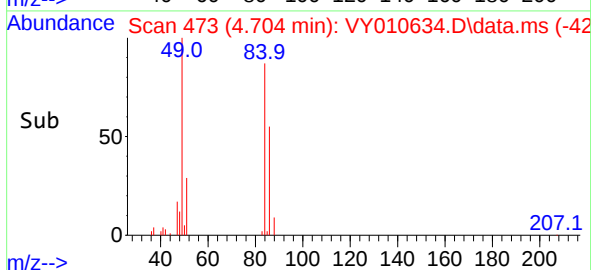
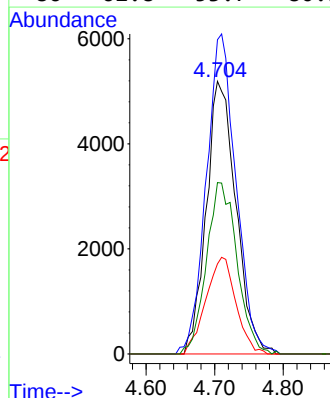
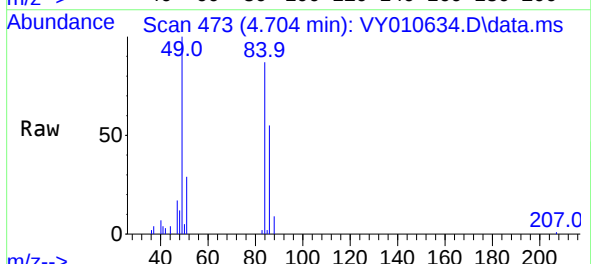
Ion Ratio Lower Upper

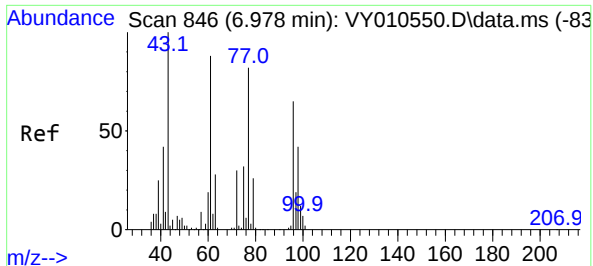
84 100

49 115.2 114.4 171.6

51 33.0 35.3 52.9#

86 62.8 53.7 80.5





#25

2-Butanone

Concen: 4.767 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY010634.D

Acq: 22 Sep 2022 19:46

Instrument :

MSVOA_Y

ClientSampleId :

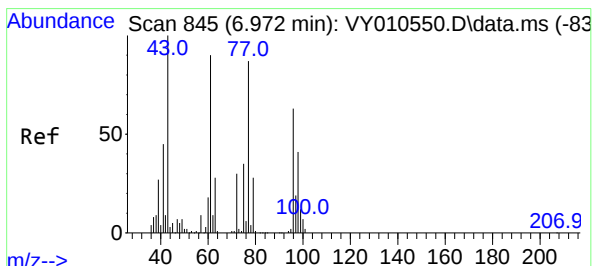
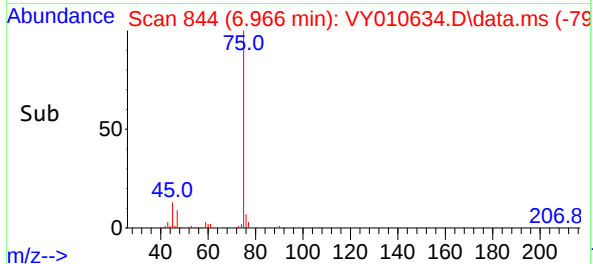
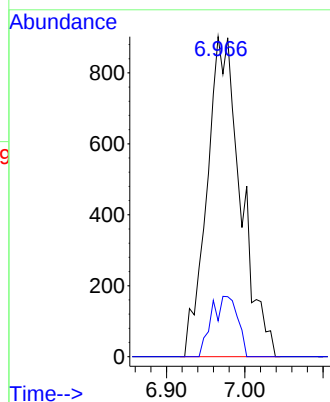
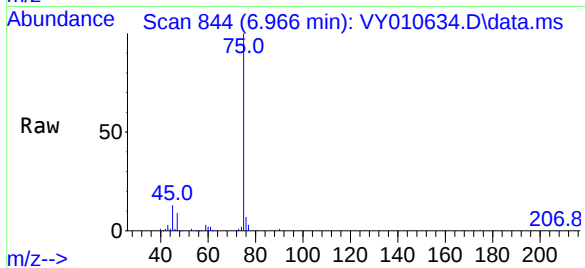
SB-12-6.5-7.0

Tgt Ion: 43 Resp: 2712

Ion Ratio Lower Upper

43 100

72 11.2 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.547 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY010634.D

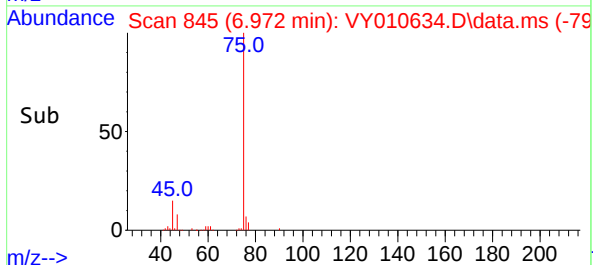
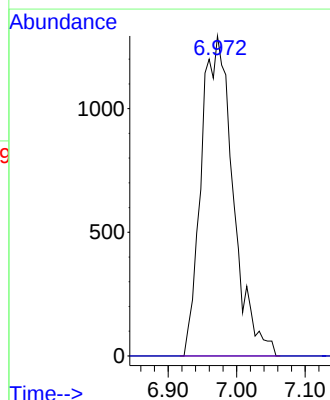
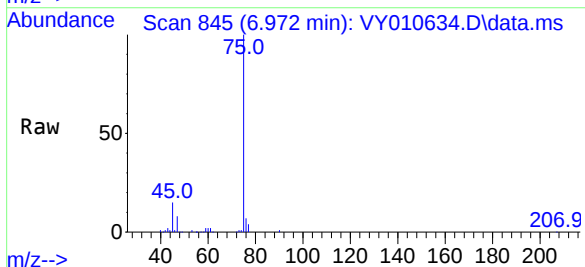
Acq: 22 Sep 2022 19:46

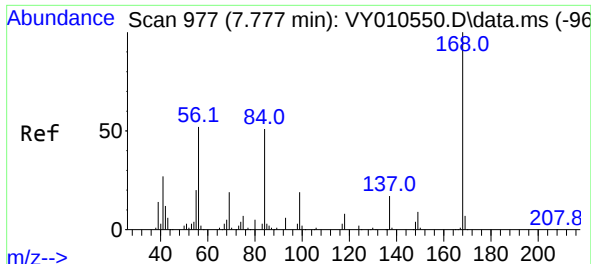
Tgt Ion: 77 Resp: 4184

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

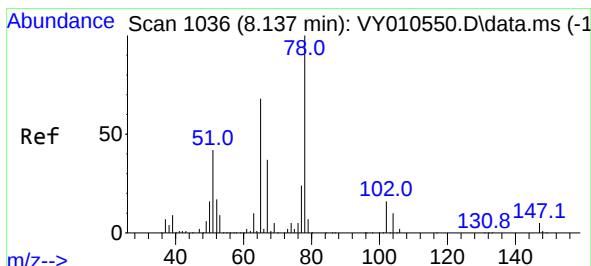
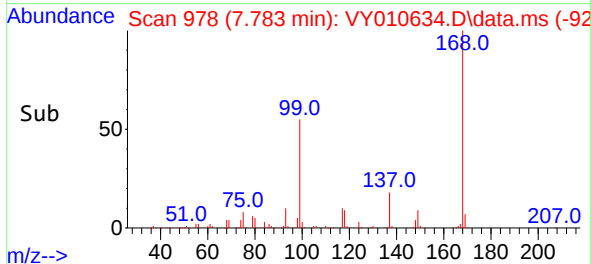
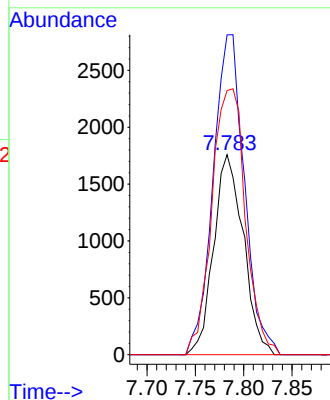
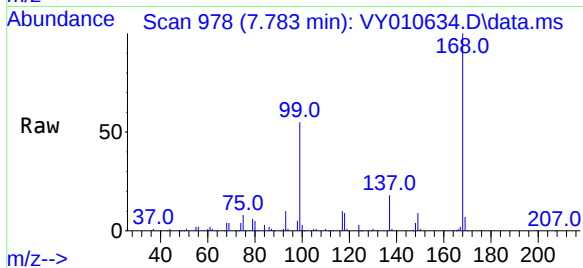




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

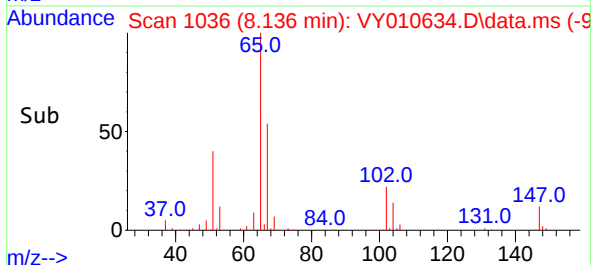
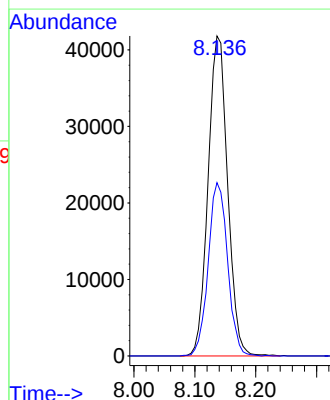
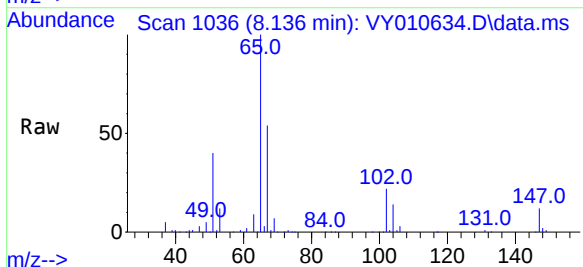
Instrument :
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SB-12-6.5-7.0

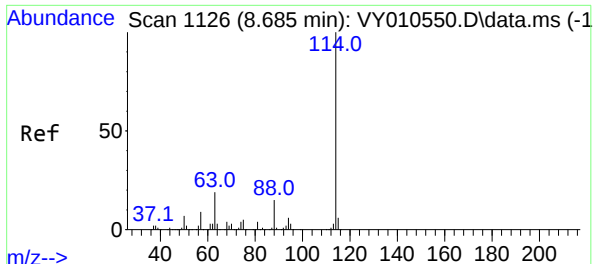
Tgt Ion: 56 Resp: 3753
Ion Ratio Lower Upper
56 100
69 159.9 26.7 40.1#
84 132.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.295 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

Tgt Ion: 65 Resp: 93265
Ion Ratio Lower Upper
65 100
67 53.7 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: VY010634.D

Acq: 22 Sep 2022 19:46

Instrument :

MSVOA_Y

ClientSampleId :

SB-12-6.5-7.0

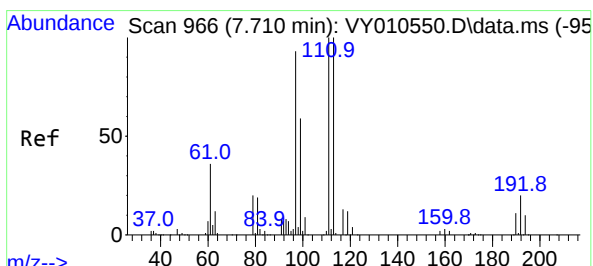
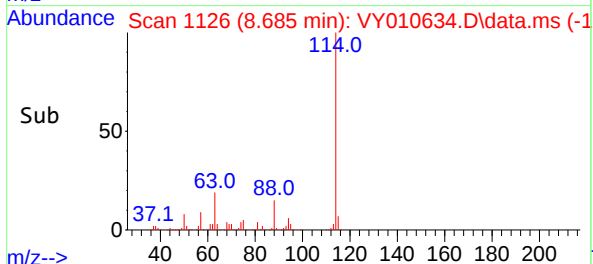
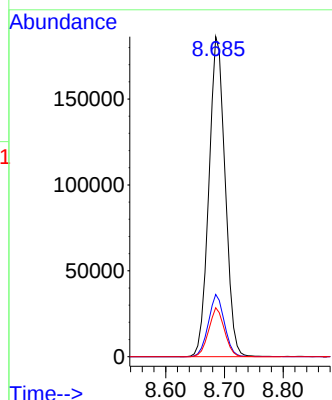
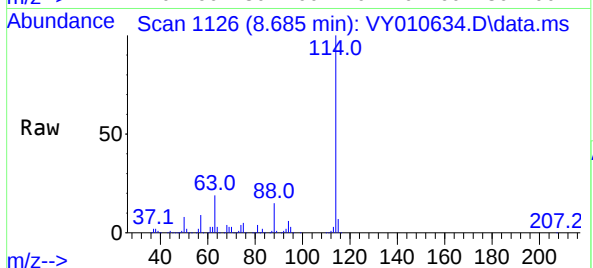
Tgt Ion:114 Resp: 357798

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 38.054 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010634.D

Acq: 22 Sep 2022 19:46

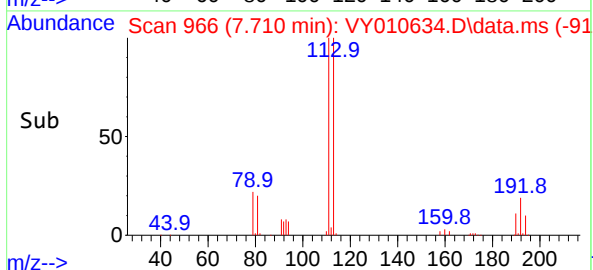
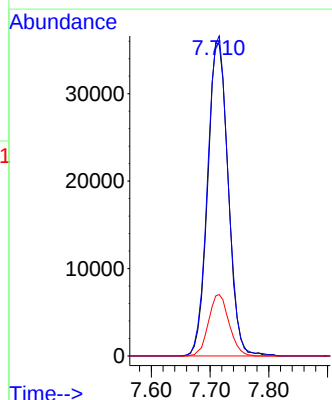
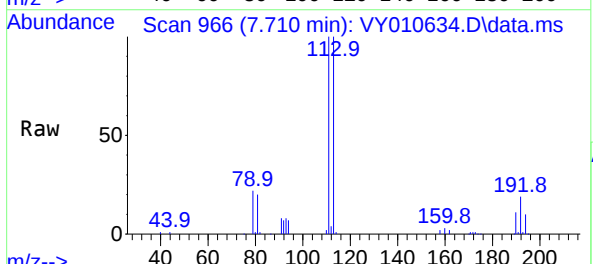
Tgt Ion:113 Resp: 86895

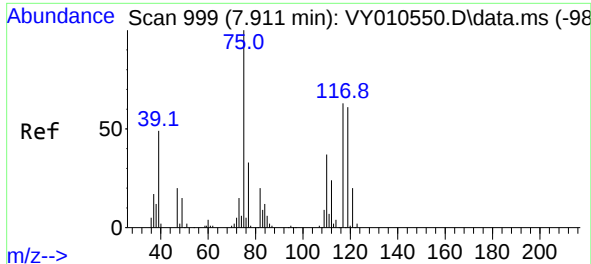
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 19.6 17.6 26.4

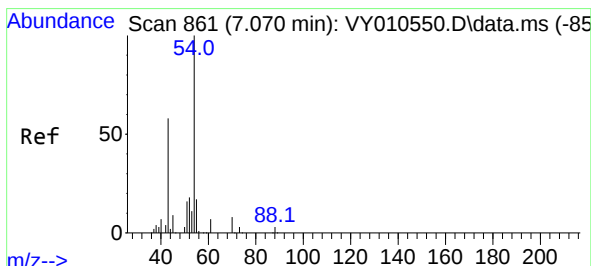
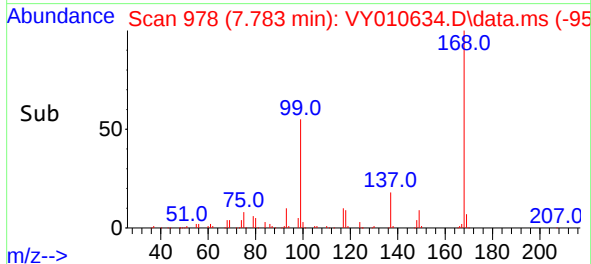
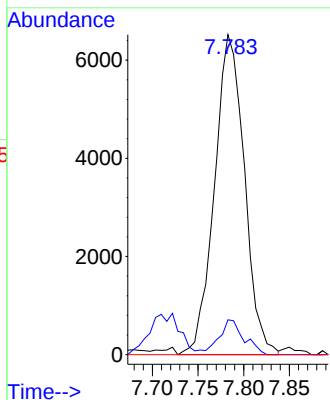
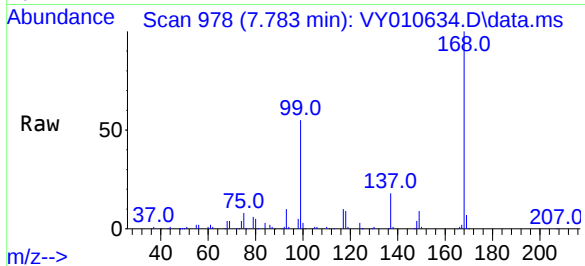




#36
1,1-Dichloropropene
Concen: 5.844 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

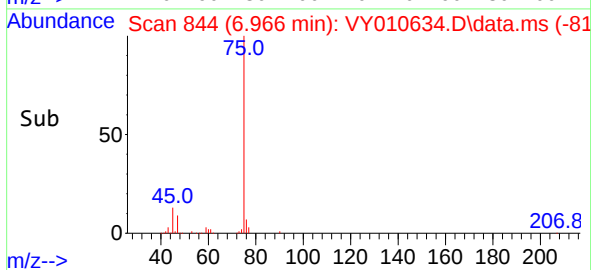
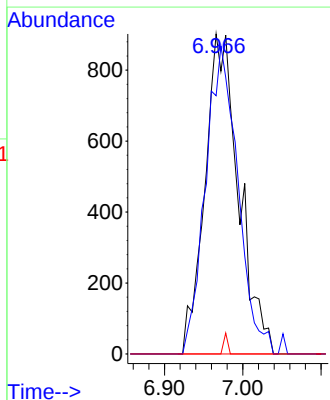
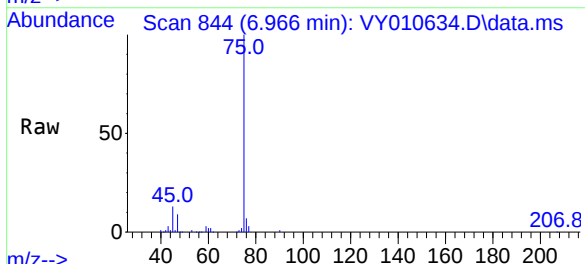
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-6.5-7.0

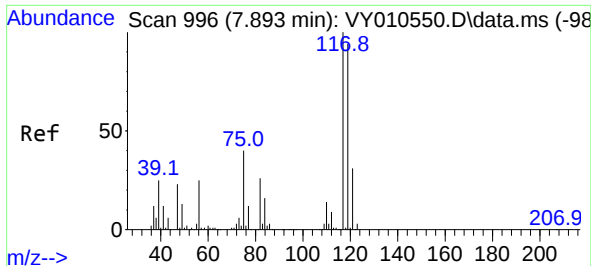
Tgt Ion: 75 Resp: 14870
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.845 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.104 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

Tgt Ion: 43 Resp: 2712
Ion Ratio Lower Upper
43 100
61 91.9 9.7 14.5#
70 0.8 7.1 10.7#

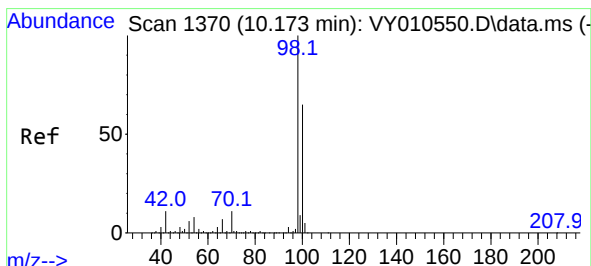
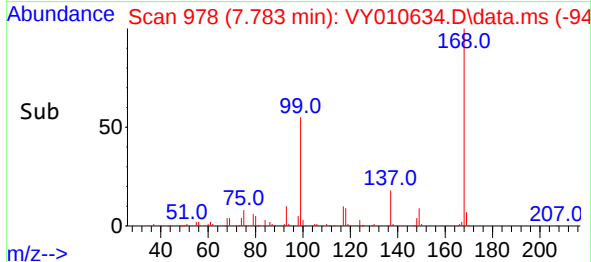
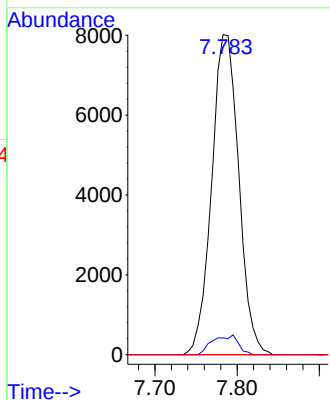
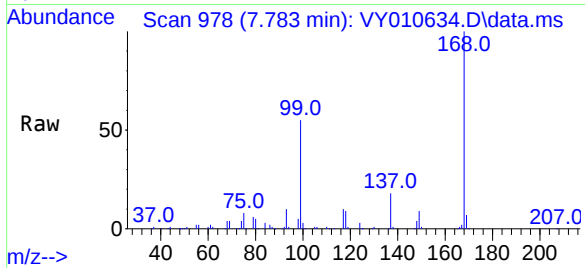




#38
Carbon Tetrachloride
Concen: 6.274 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

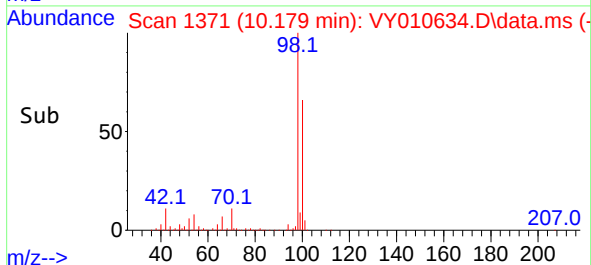
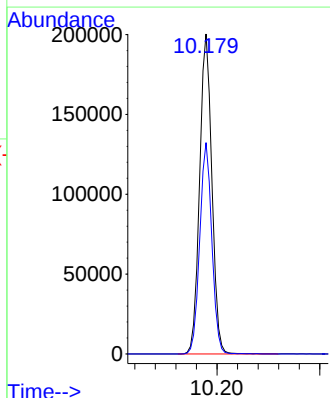
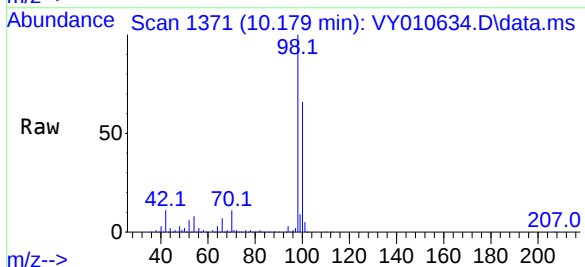
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-6.5-7.0

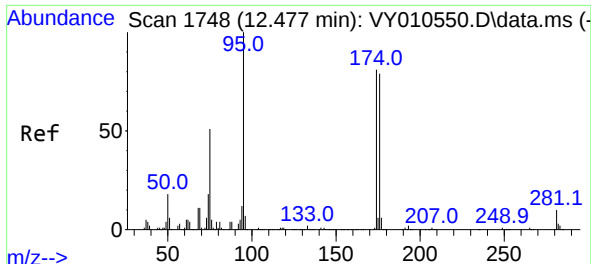
Tgt Ion:117 Resp: 18355
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 39.878 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

Tgt Ion: 98 Resp: 330850
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

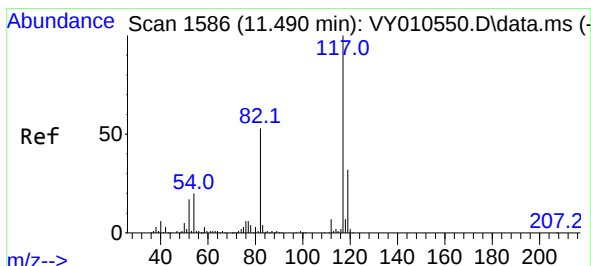
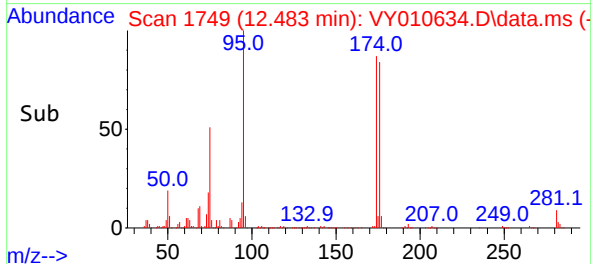
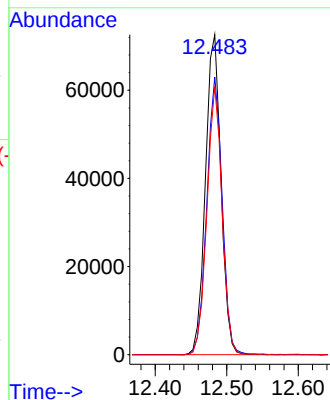
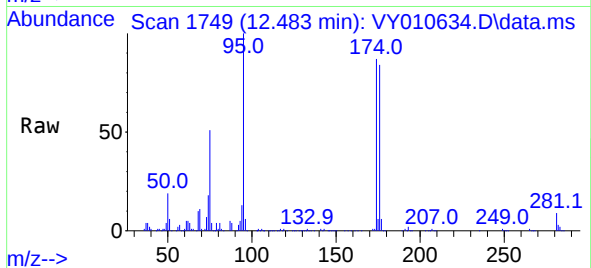




#62
4-Bromofluorobenzene
Concen: 34.097 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

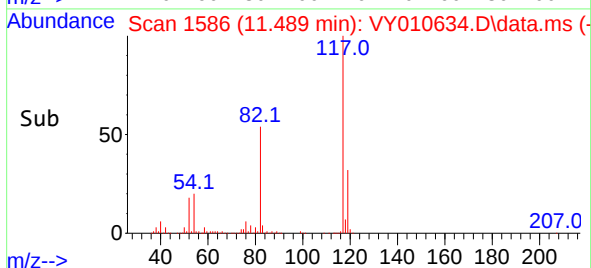
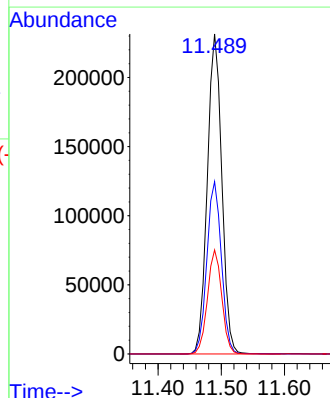
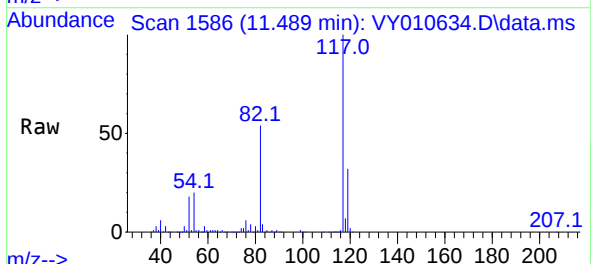
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-6.5-7.0

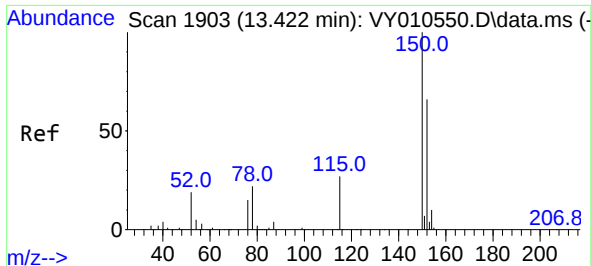
Tgt Ion: 95 Resp: 109484
Ion Ratio Lower Upper
95 100
174 86.3 0.0 177.0
176 81.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

Tgt Ion: 117 Resp: 368910
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 32.5 25.4 38.0

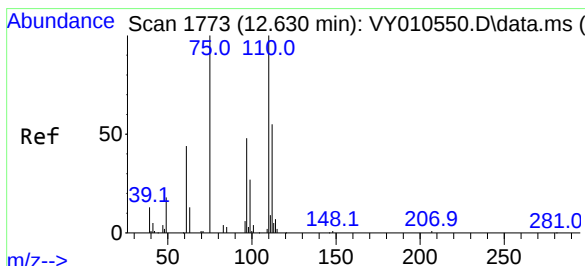
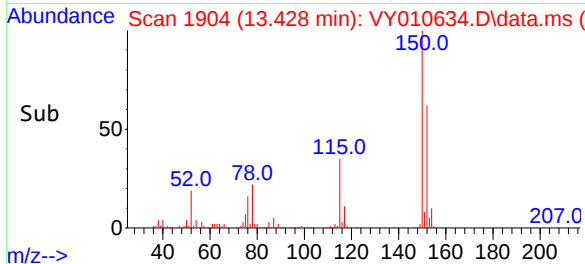
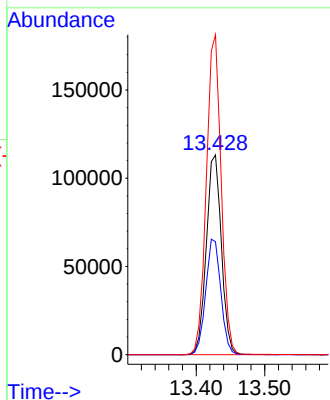
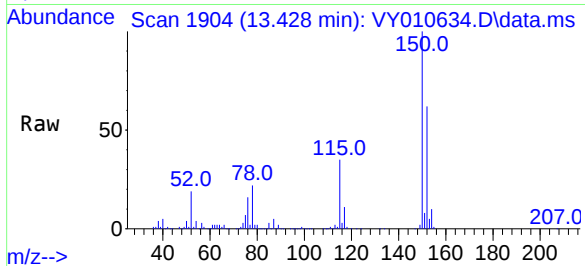




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

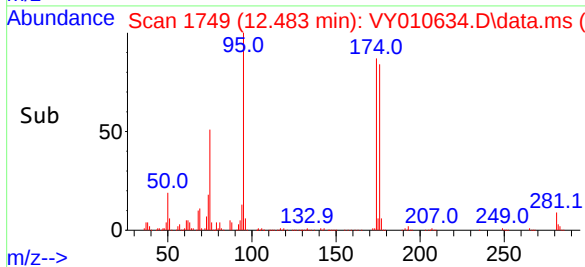
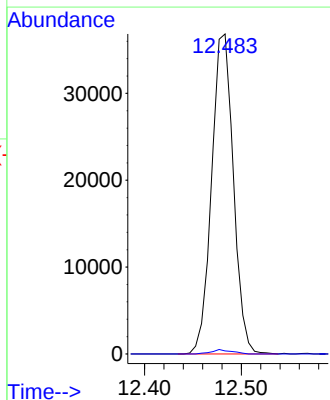
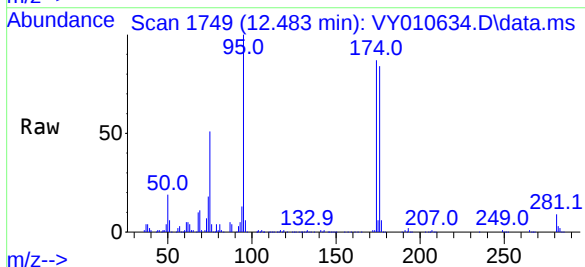
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-6.5-7.0

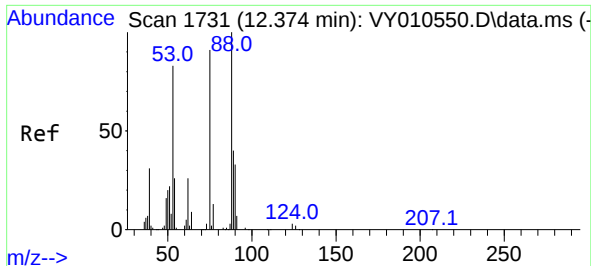
Tgt Ion:152 Resp: 173441
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.7
150 157.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 34.780 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010634.D
Acq: 22 Sep 2022 19:46

Tgt Ion: 75 Resp: 57574
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.331 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY010634.D
 Acq: 22 Sep 2022 19:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-12-6.5-7.0

Tgt Ion: 75 Resp: 57574
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

