

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010630.D
 Acq On : 22 Sep 2022 18:13
 Operator : KP/MD
 Sample : N4723-09
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-15-6.5-7.0

Quant Time: Sep 23 09:04:41 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)

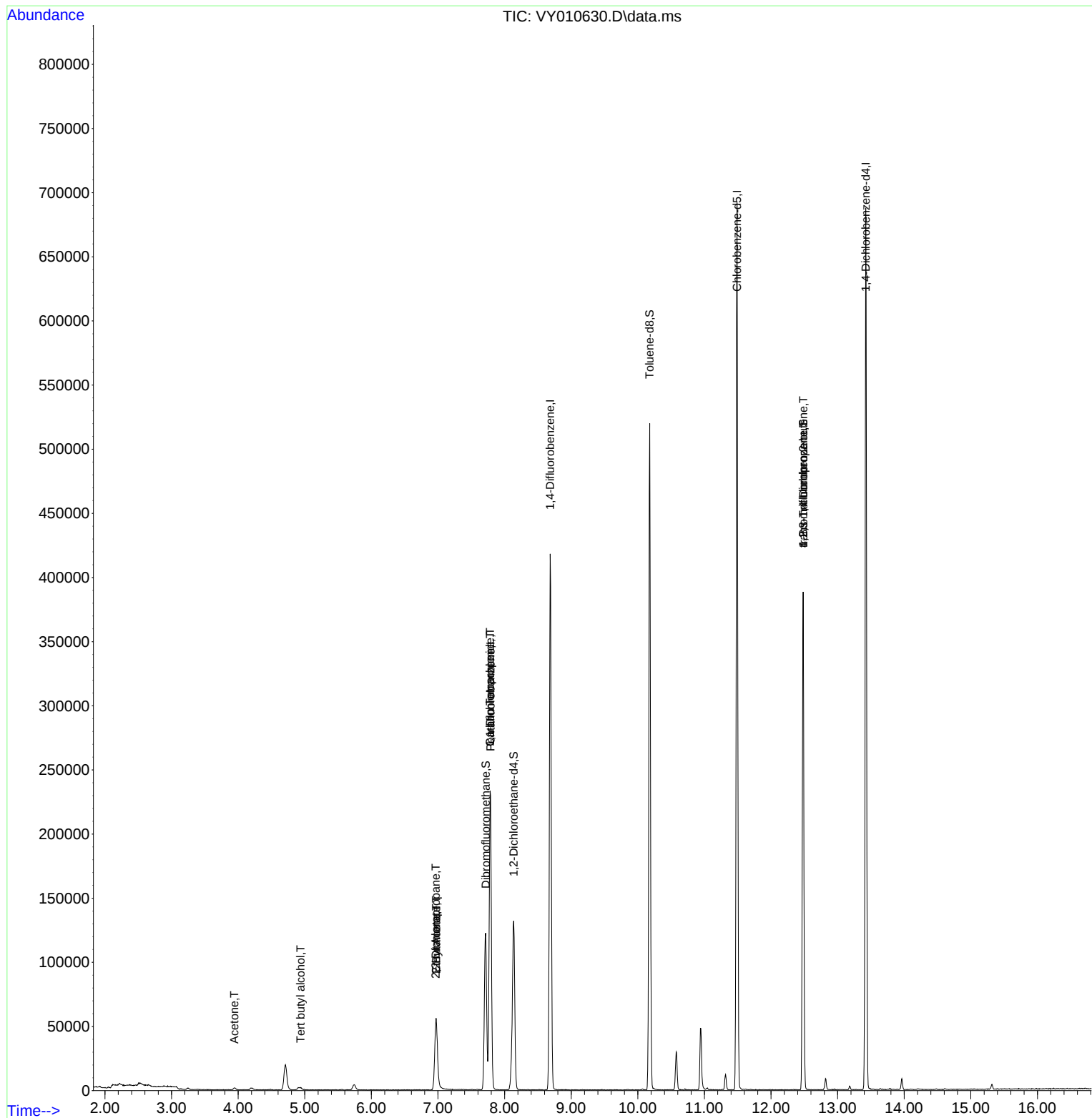
Internal Standards						
1) Pentafluorobenzene	7.789	168	184674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	354182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	366987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	95834	54.255	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.500%	
35) Dibromofluoromethane	7.716	113	87813	38.849	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 77.700%	
50) Toluene-d8	10.179	98	332735	40.465	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 80.920%	
62) 4-Bromofluorobenzene	12.483	95	109590	34.511	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 69.020%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.893	85	284	Below Cal		88
3) Chloromethane	2.107	50	507	Below Cal		90
4) Vinyl Chloride	2.503	62	44	Below Cal	#	43
5) Bromomethane	2.656	94	211	Below Cal		94
11) Tert butyl alcohol	4.936	59	2611	5.605 ug/l	#	82
16) Acetone	3.942	43	2672	7.418 ug/l		93
17) Carbon Disulfide	4.180	76	47	Below Cal	#	75
18) Methyl Acetate	4.460	43	198	Below Cal	#	56
20) Methylene Chloride	4.710	84	15404	Below Cal		90
25) 2-Butanone	6.972	43	2907	5.160 ug/l		94
26) 2,2-Dichloropropane	6.966	77	4078	1.523 ug/l	#	55
31) Cyclohexane	7.789	56	3716	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	14636	5.811 ug/l	#	50
37) Ethyl Acetate	6.972	43	2907	1.998 ug/l	#	1
38) Carbon Tetrachloride	7.783	117	18109	6.253 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	57587	35.185 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57587	78.232 ug/l	#	7

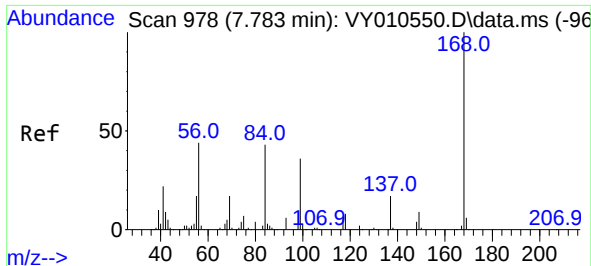
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
Data File : VY010630.D
Acq On : 22 Sep 2022 18:13
Operator : KP/MD
Sample : N4723-09
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-15-6.5-7.0

Quant Time: Sep 23 09:04:41 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

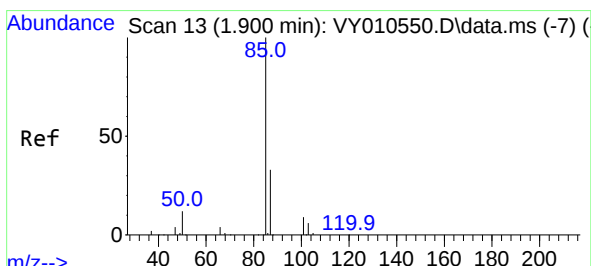
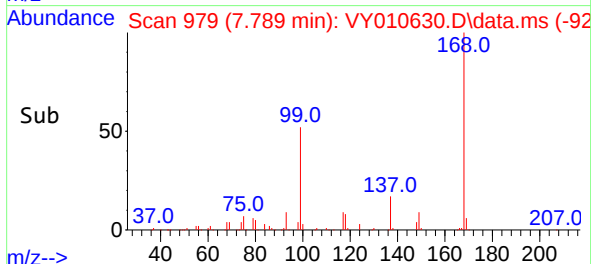
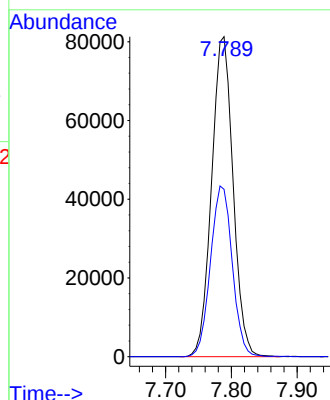
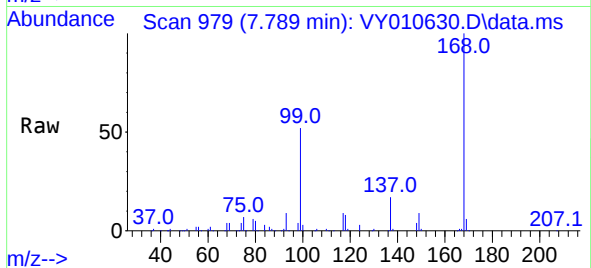




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

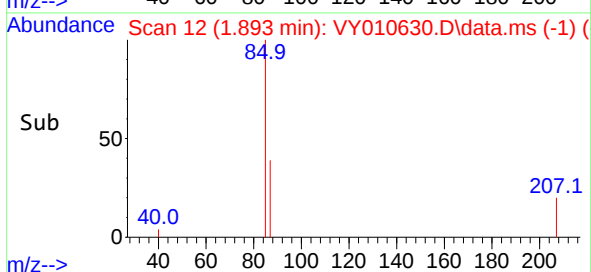
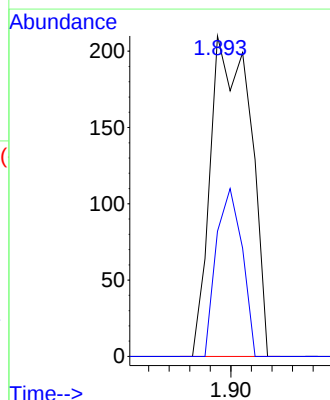
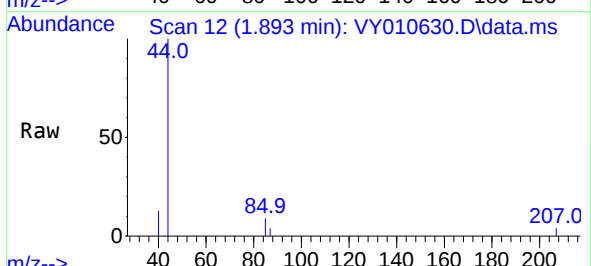
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-6.5-7.0

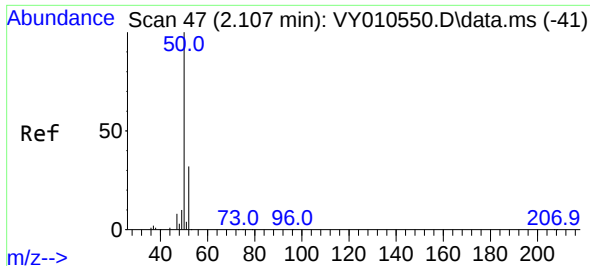
Tgt Ion:168 Resp: 184674
Ion Ratio Lower Upper
168 100
99 52.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.893 min Scan# 12
Delta R.T. -0.007 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

Tgt Ion: 85 Resp: 284
Ion Ratio Lower Upper
85 100
87 39.0 16.1 48.2

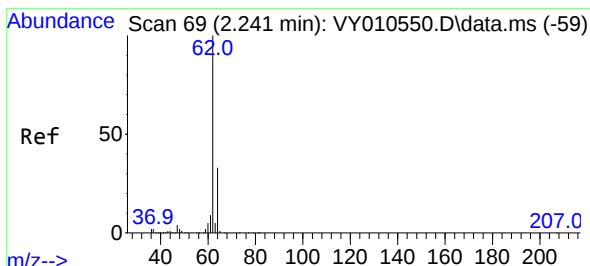
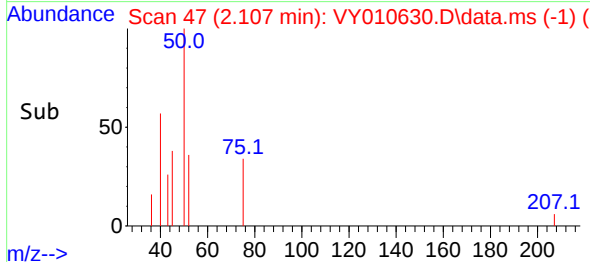
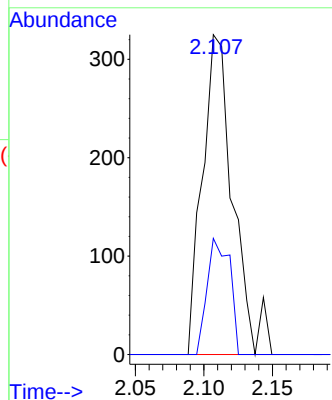
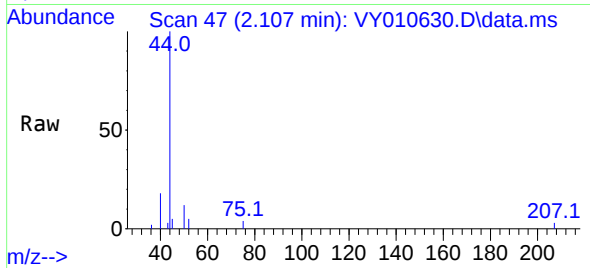




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

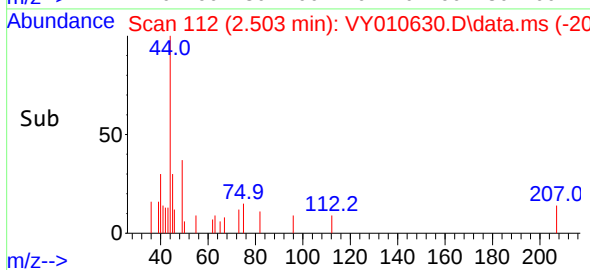
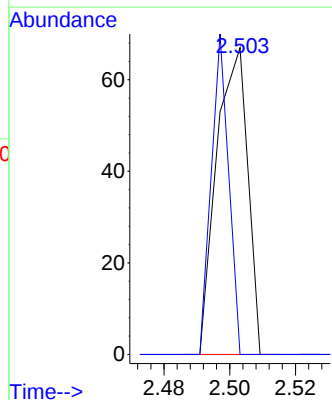
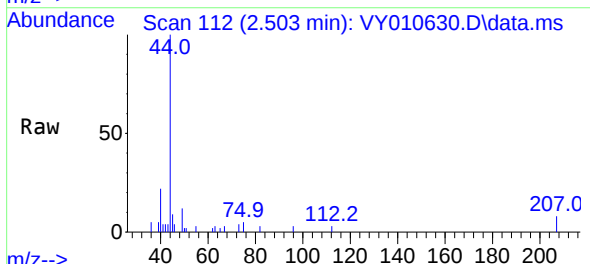
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-6.5-7.0

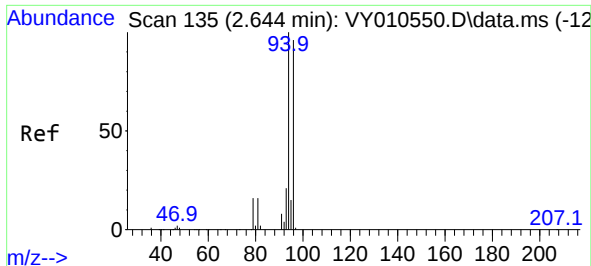
Tgt Ion: 50 Resp: 507
Ion Ratio Lower Upper
50 100
52 36.3 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.503 min Scan# 112
Delta R.T. 0.262 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

Tgt Ion: 62 Resp: 44
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

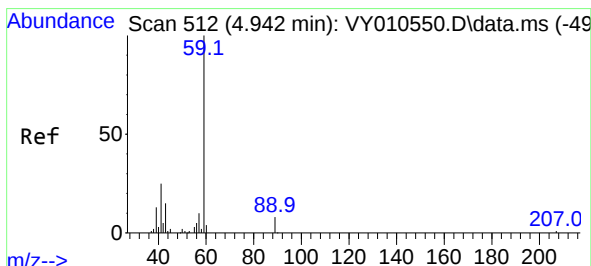
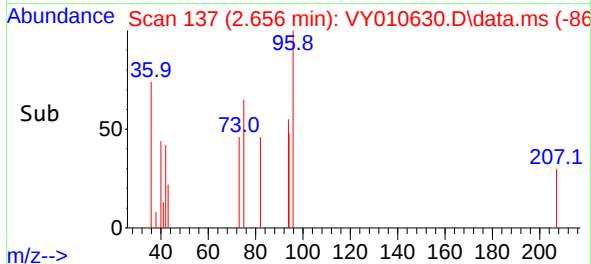
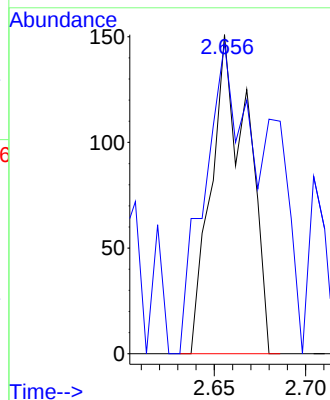
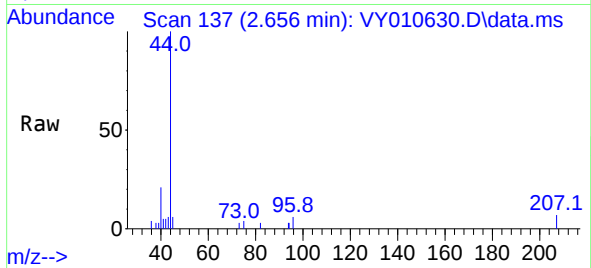




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

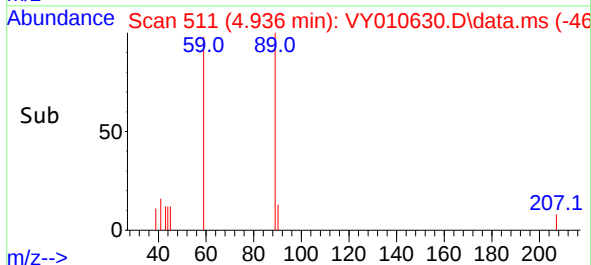
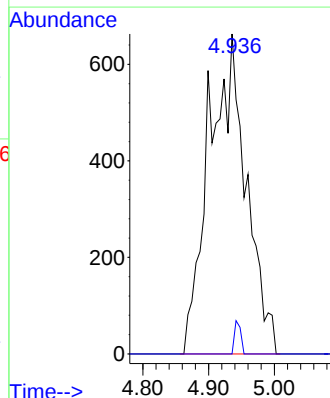
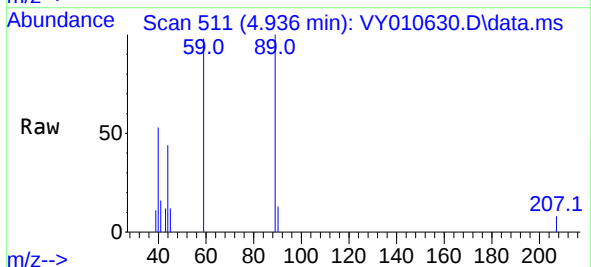
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-6.5-7.0

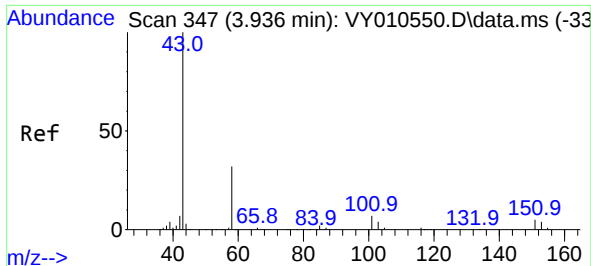
Tgt Ion: 94 Resp: 211
Ion Ratio Lower Upper
94 100
96 97.4 73.5 110.3



#11
Tert butyl alcohol
Concen: 5.605 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

Tgt Ion: 59 Resp: 2611
Ion Ratio Lower Upper
59 100
57 1.7 6.4 9.6#

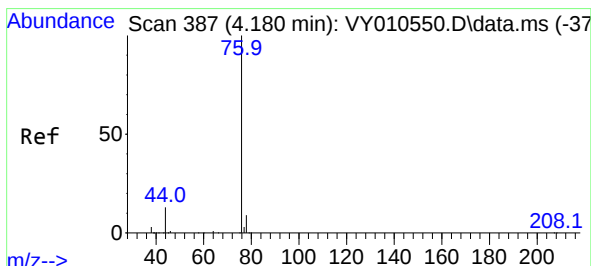
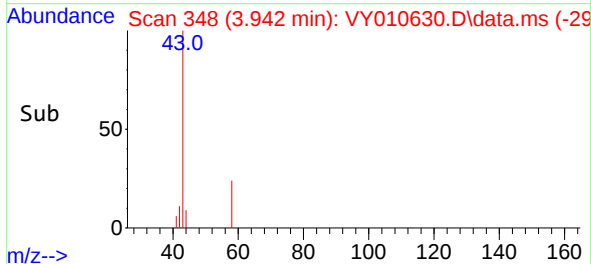
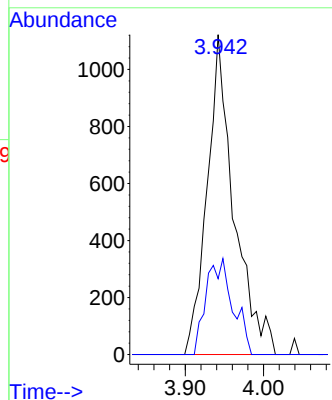
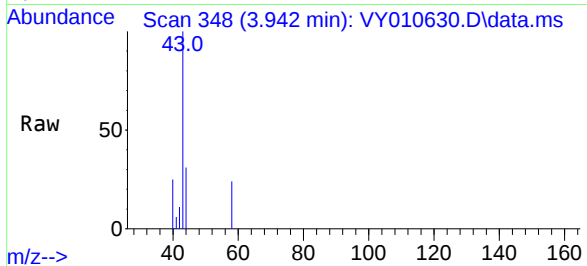




#16
Acetone
Concen: 7.418 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

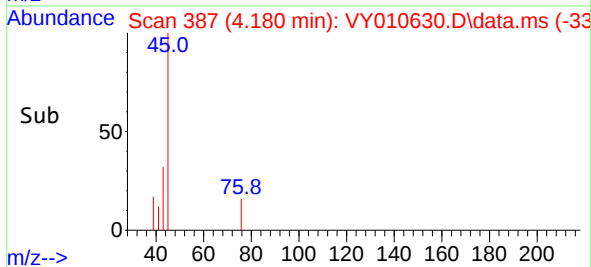
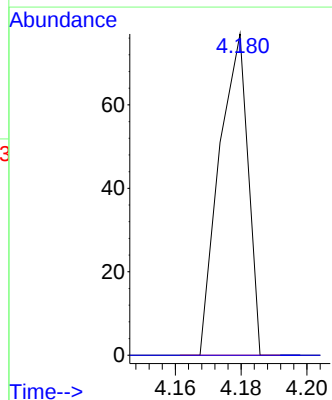
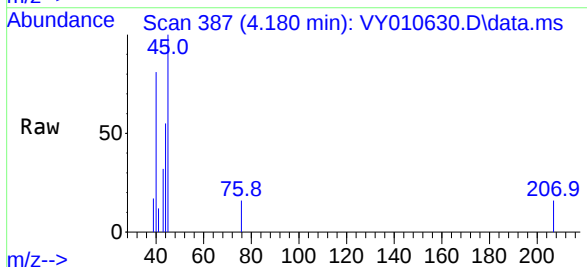
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-6.5-7.0

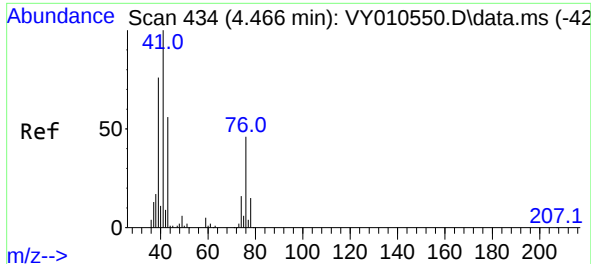
Tgt Ion: 43 Resp: 2672
Ion Ratio Lower Upper
43 100
58 23.7 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 387
Delta R.T. -0.000 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

Tgt Ion: 76 Resp: 47
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.460 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY010630.D

Acq: 22 Sep 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

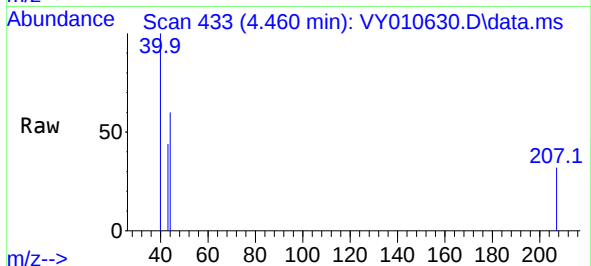
SB-15-6.5-7.0

Tgt Ion: 43 Resp: 198

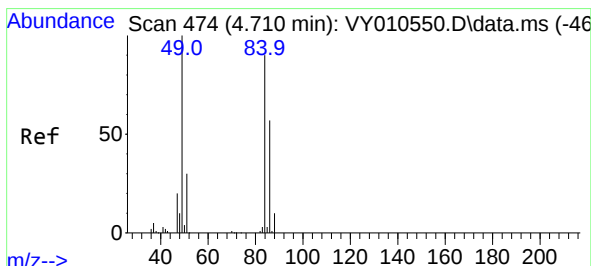
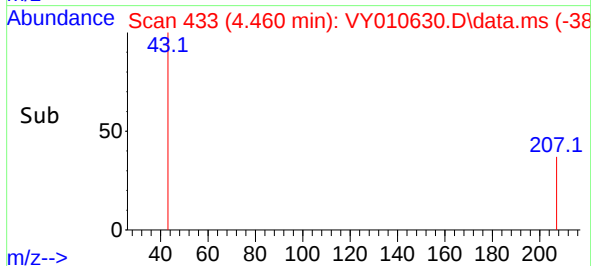
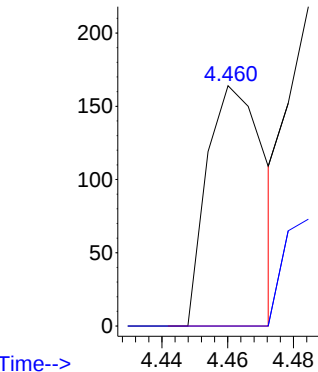
Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



Abundance



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY010630.D

Acq: 22 Sep 2022 18:13

Tgt Ion: 84 Resp: 15404

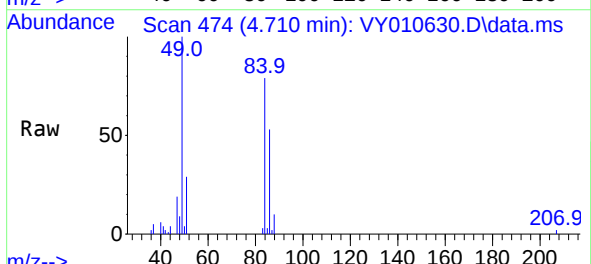
Ion Ratio Lower Upper

84 100

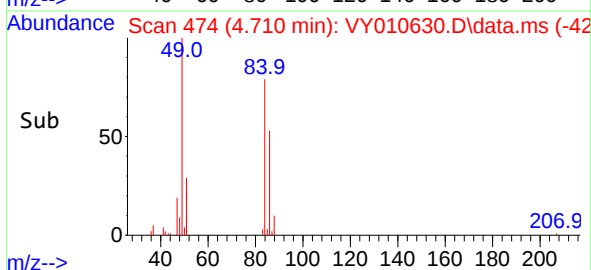
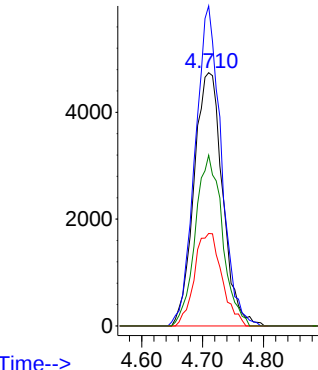
49 126.3 114.4 171.6

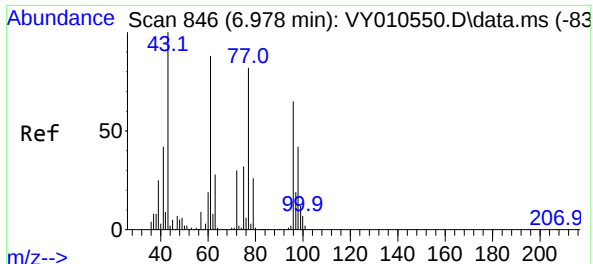
51 36.5 35.3 52.9

86 67.4 53.7 80.5



Abundance





#25

2-Butanone

Concen: 5.160 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY010630.D

Acq: 22 Sep 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

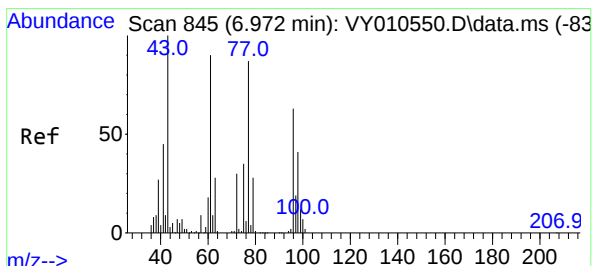
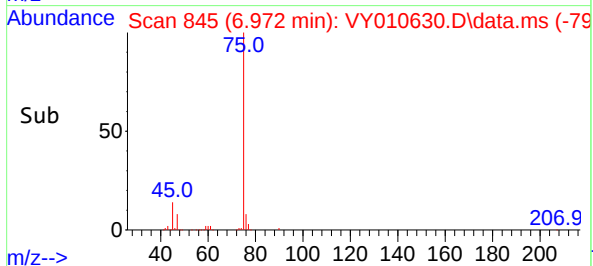
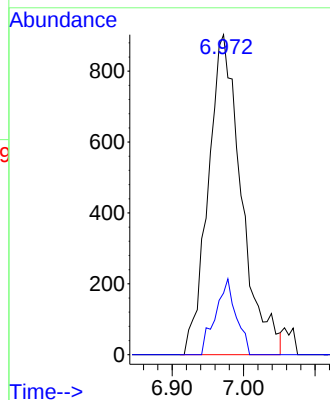
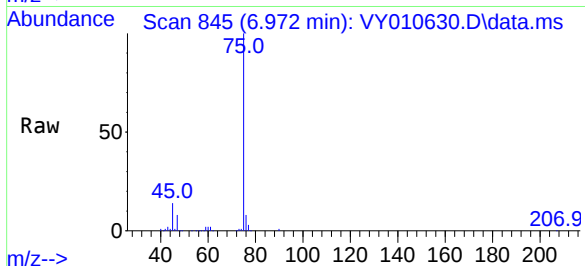
SB-15-6.5-7.0

Tgt Ion: 43 Resp: 2907

Ion Ratio Lower Upper

43 100

72 19.3 17.7 26.5



#26

2,2-Dichloropropane

Concen: 1.523 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010630.D

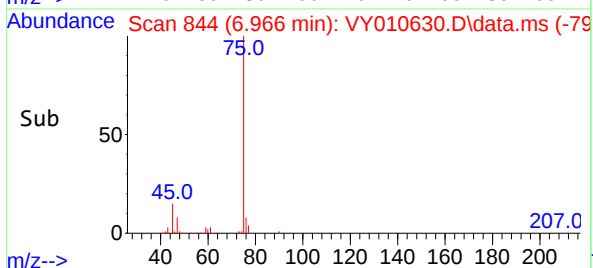
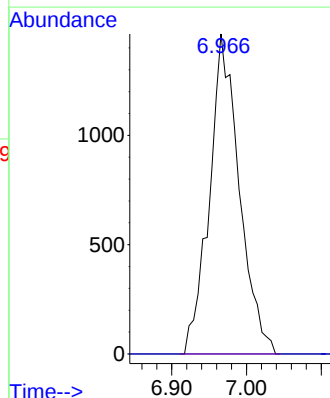
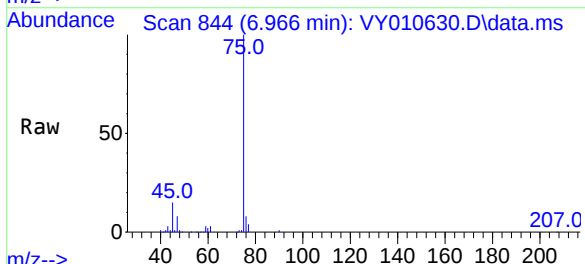
Acq: 22 Sep 2022 18:13

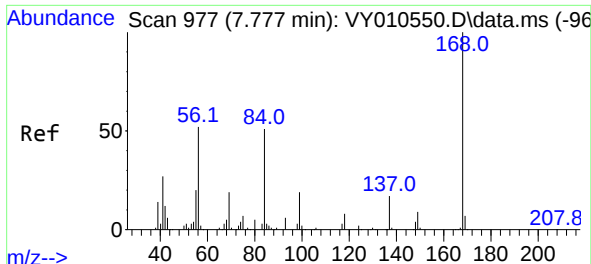
Tgt Ion: 77 Resp: 4078

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

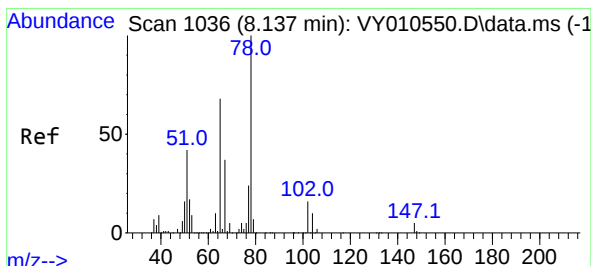
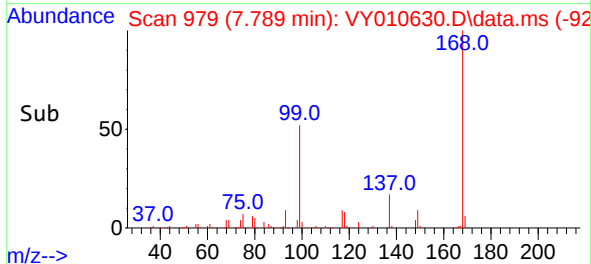
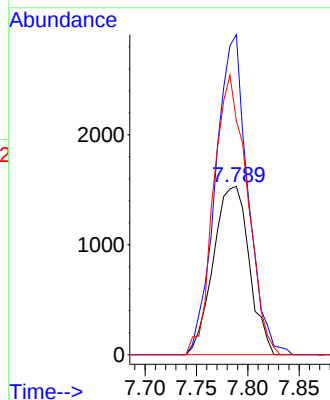
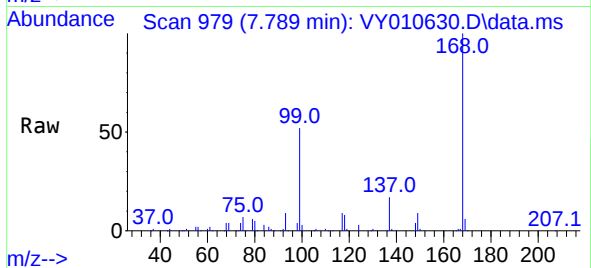




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

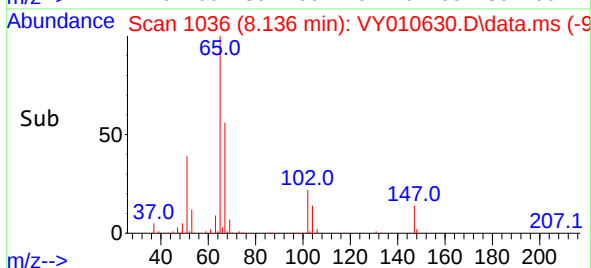
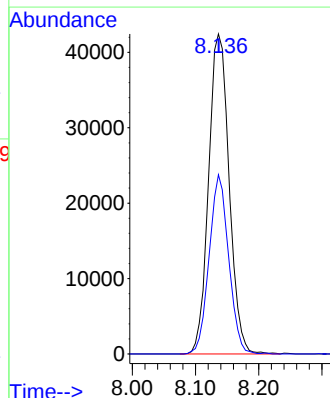
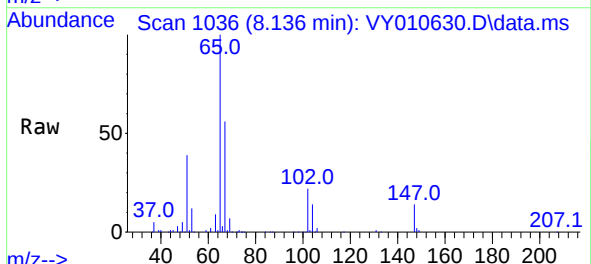
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-6.5-7.0

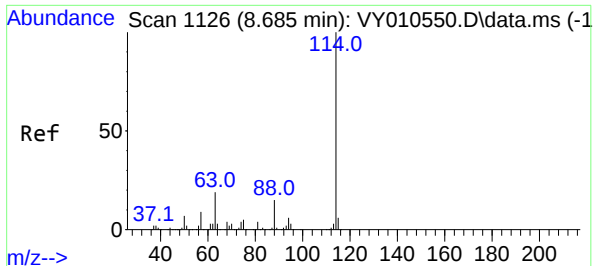
Tgt Ion: 56 Resp: 3716
Ion Ratio Lower Upper
56 100
69 190.1 26.7 40.1#
84 138.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.255 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

Tgt Ion: 65 Resp: 95834
Ion Ratio Lower Upper
65 100
67 53.1 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: VY010630.D

Acq: 22 Sep 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

SB-15-6.5-7.0

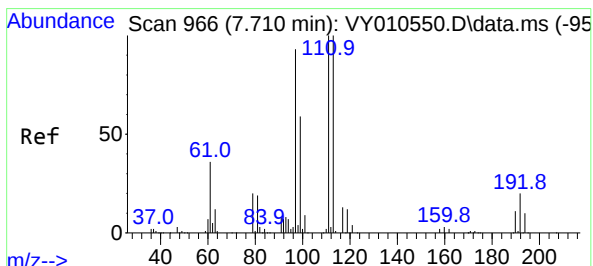
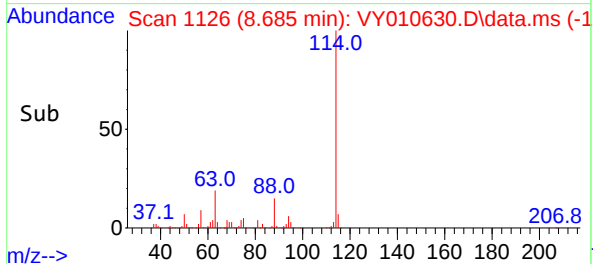
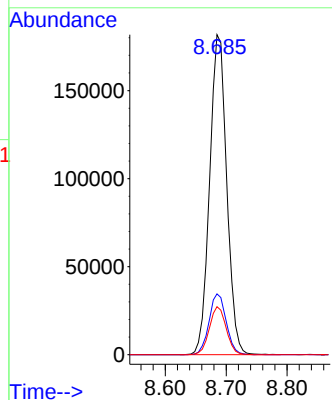
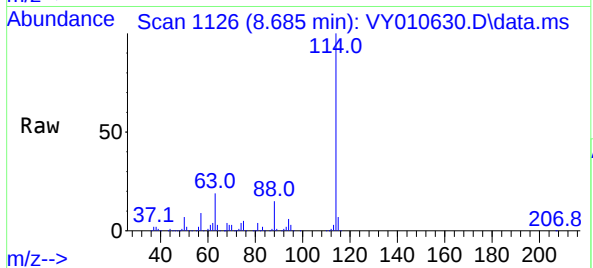
Tgt Ion:114 Resp: 354182

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 38.849 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010630.D

Acq: 22 Sep 2022 18:13

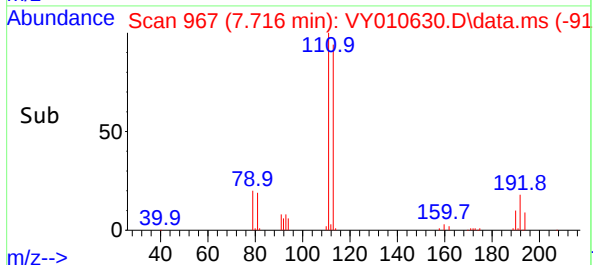
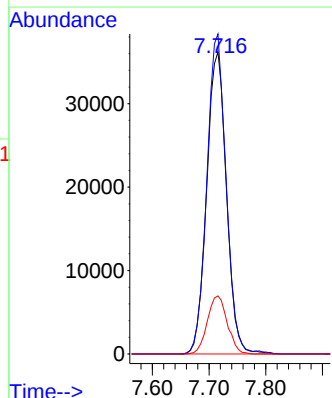
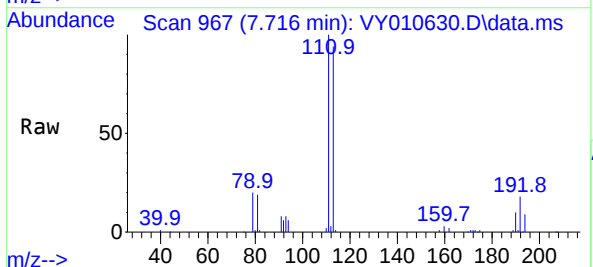
Tgt Ion:113 Resp: 87813

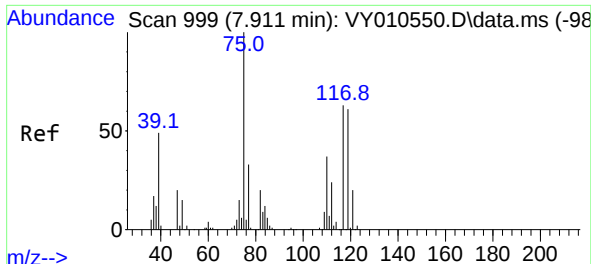
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.811 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010630.D

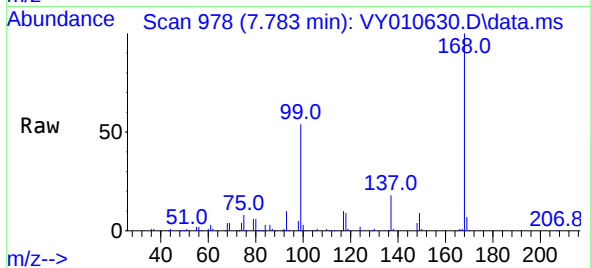
Acq: 22 Sep 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

SB-15-6.5-7.0



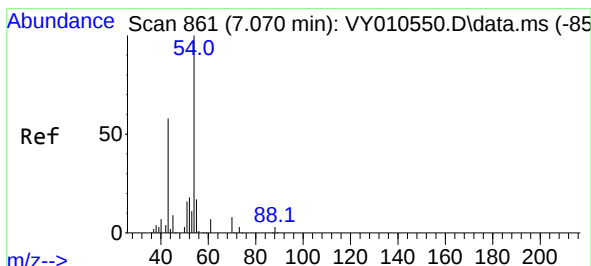
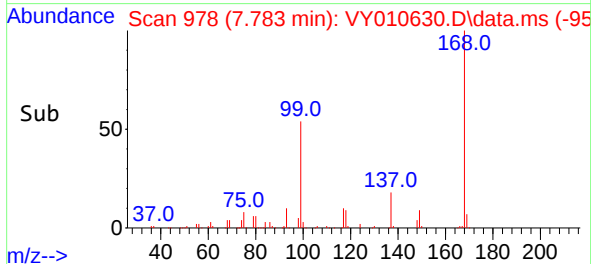
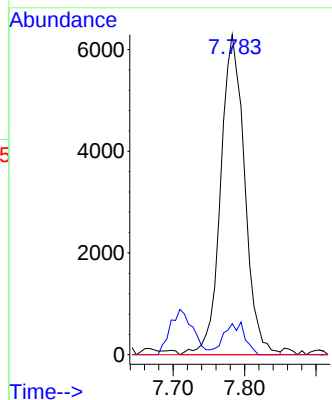
Tgt Ion: 75 Resp: 14636

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

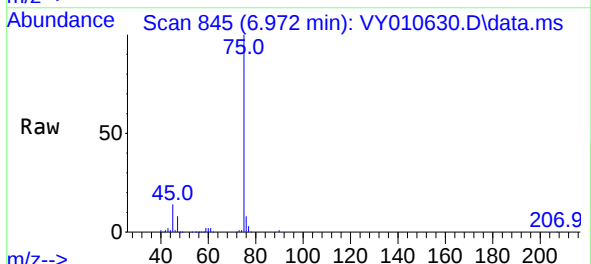
Concen: 1.998 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY010630.D

Acq: 22 Sep 2022 18:13



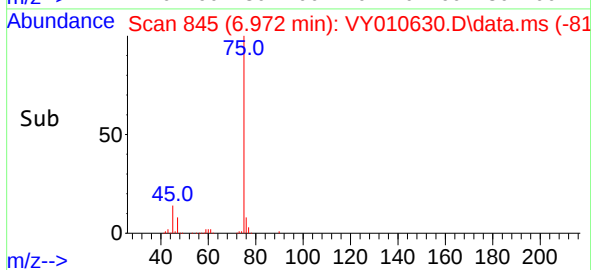
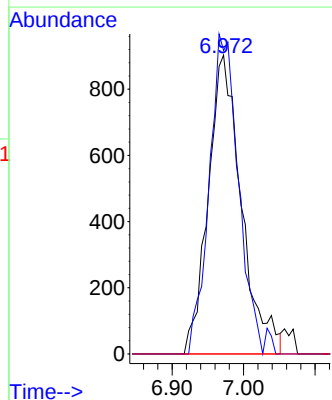
Tgt Ion: 43 Resp: 2907

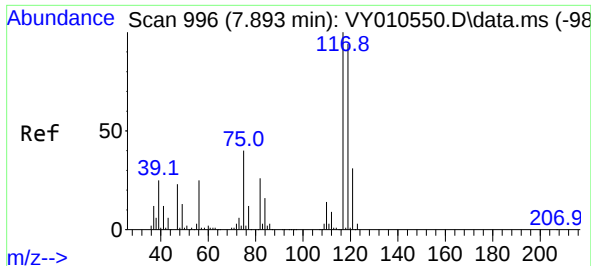
Ion Ratio Lower Upper

43 100

61 93.8 9.7 14.5#

70 0.0 7.1 10.7#

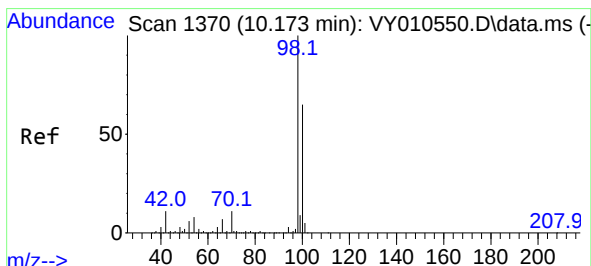
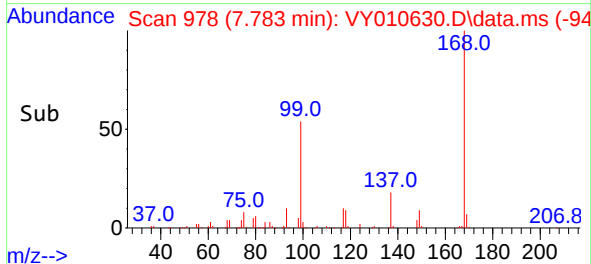
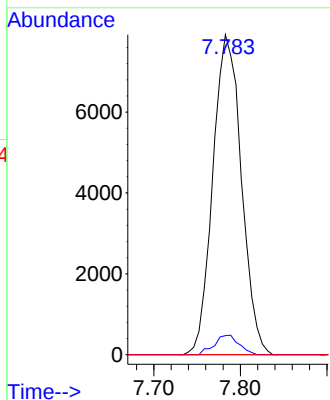
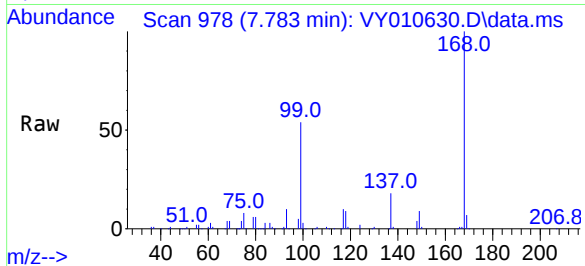




#38
Carbon Tetrachloride
Concen: 6.253 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

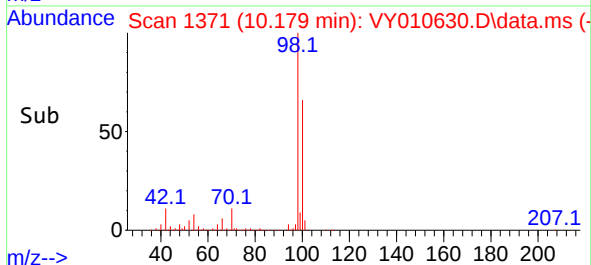
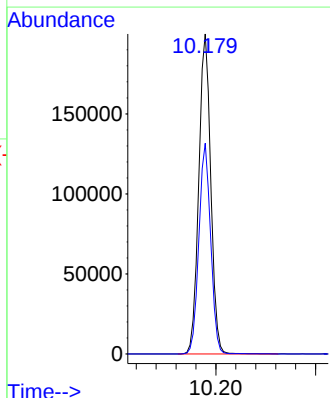
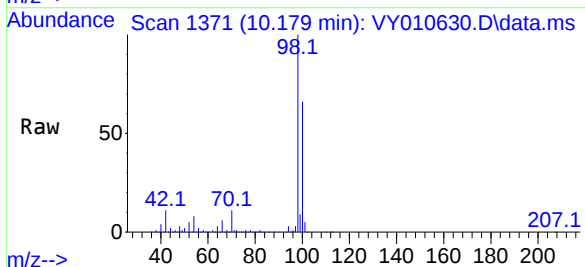
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-6.5-7.0

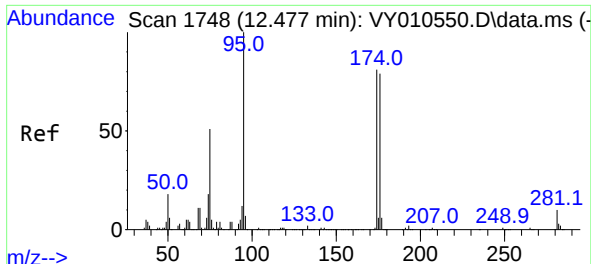
Tgt Ion:117 Resp: 18109
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 40.465 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

Tgt Ion: 98 Resp: 332735
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

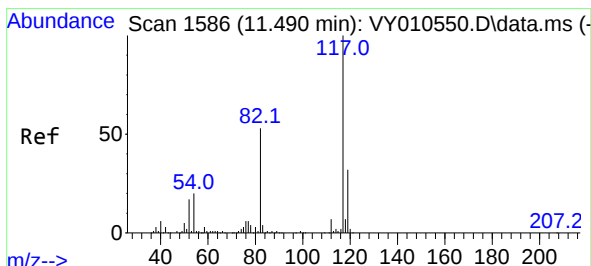
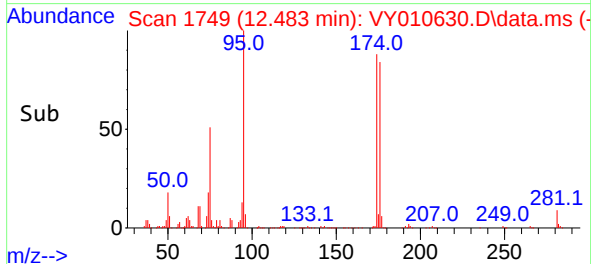
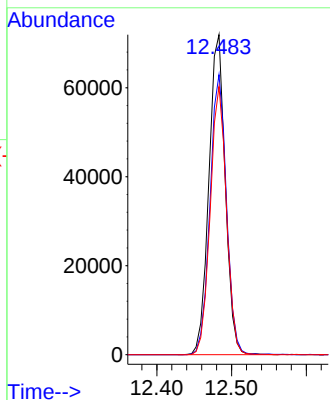
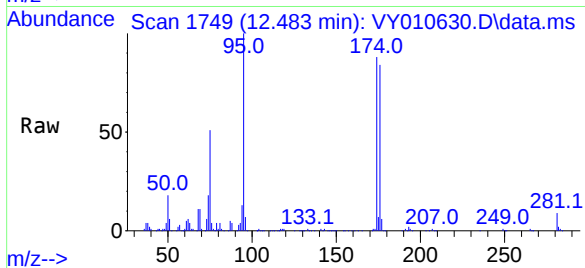




#62
4-Bromofluorobenzene
Concen: 34.511 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

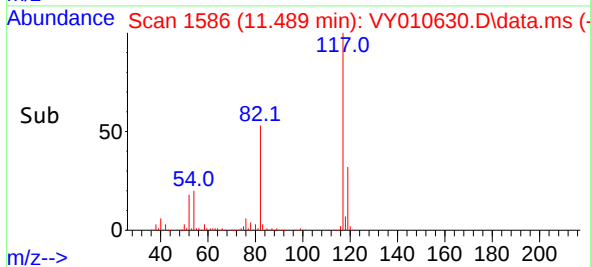
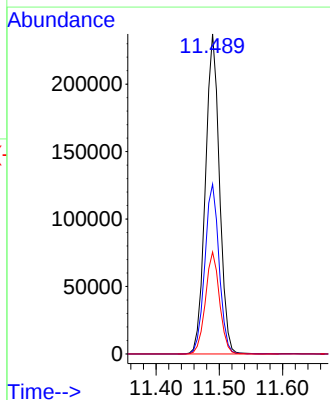
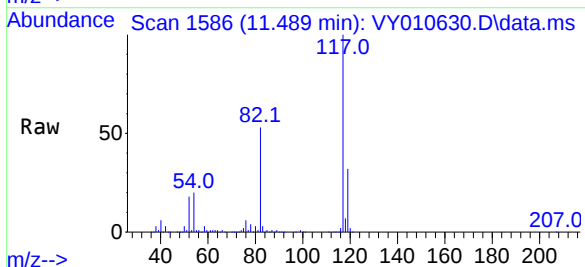
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-6.5-7.0

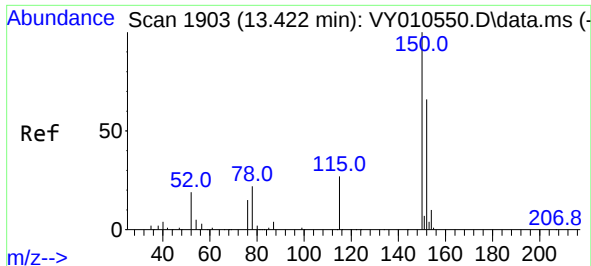
Tgt Ion: 95 Resp: 109590
Ion Ratio Lower Upper
95 100
174 88.3 0.0 177.0
176 83.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

Tgt Ion: 117 Resp: 366987
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 31.9 25.4 38.0

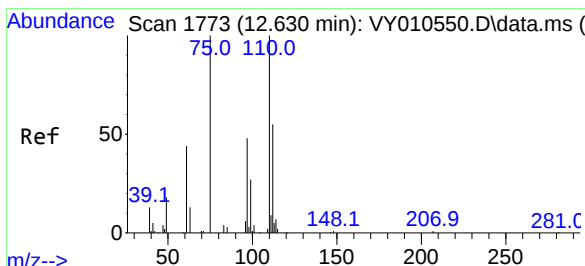
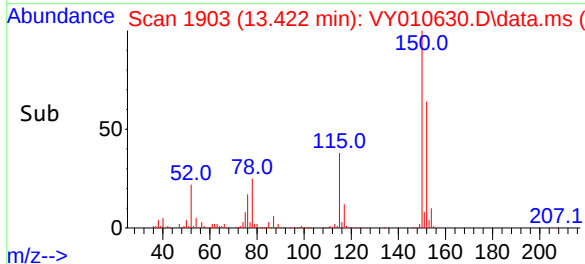
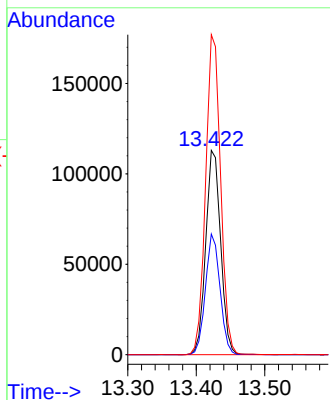
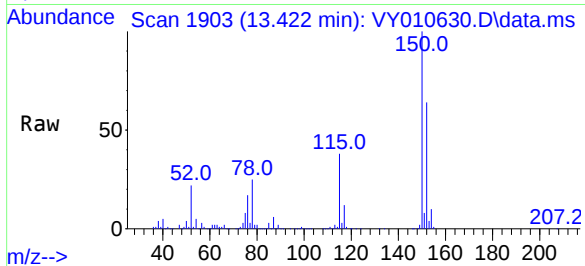




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

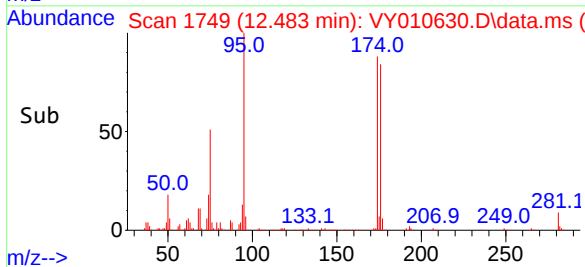
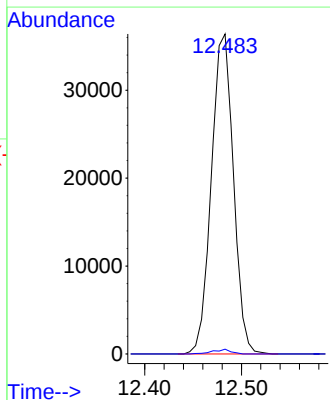
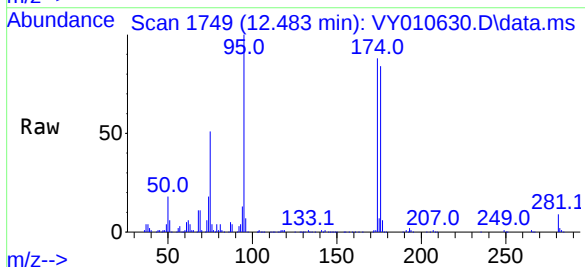
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-6.5-7.0

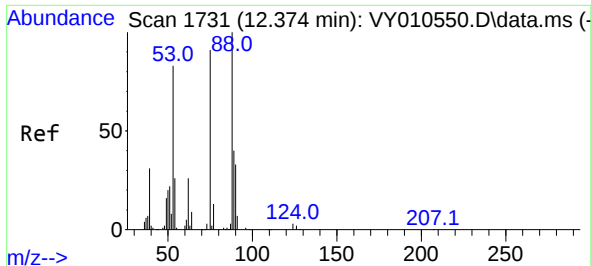
Tgt Ion:152 Resp: 171483
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 157.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 35.185 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010630.D
Acq: 22 Sep 2022 18:13

Tgt Ion: 75 Resp: 57587
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.232 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY010630.D
 Acq: 22 Sep 2022 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-15-6.5-7.0

Tgt Ion: 75 Resp: 57587
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

