

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010653.D
 Acq On : 23 Sep 2022 16:56
 Operator : KP/MD
 Sample : N4724-05
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-09-11.5-12.0

Quant Time: Sep 24 01:22:35 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)

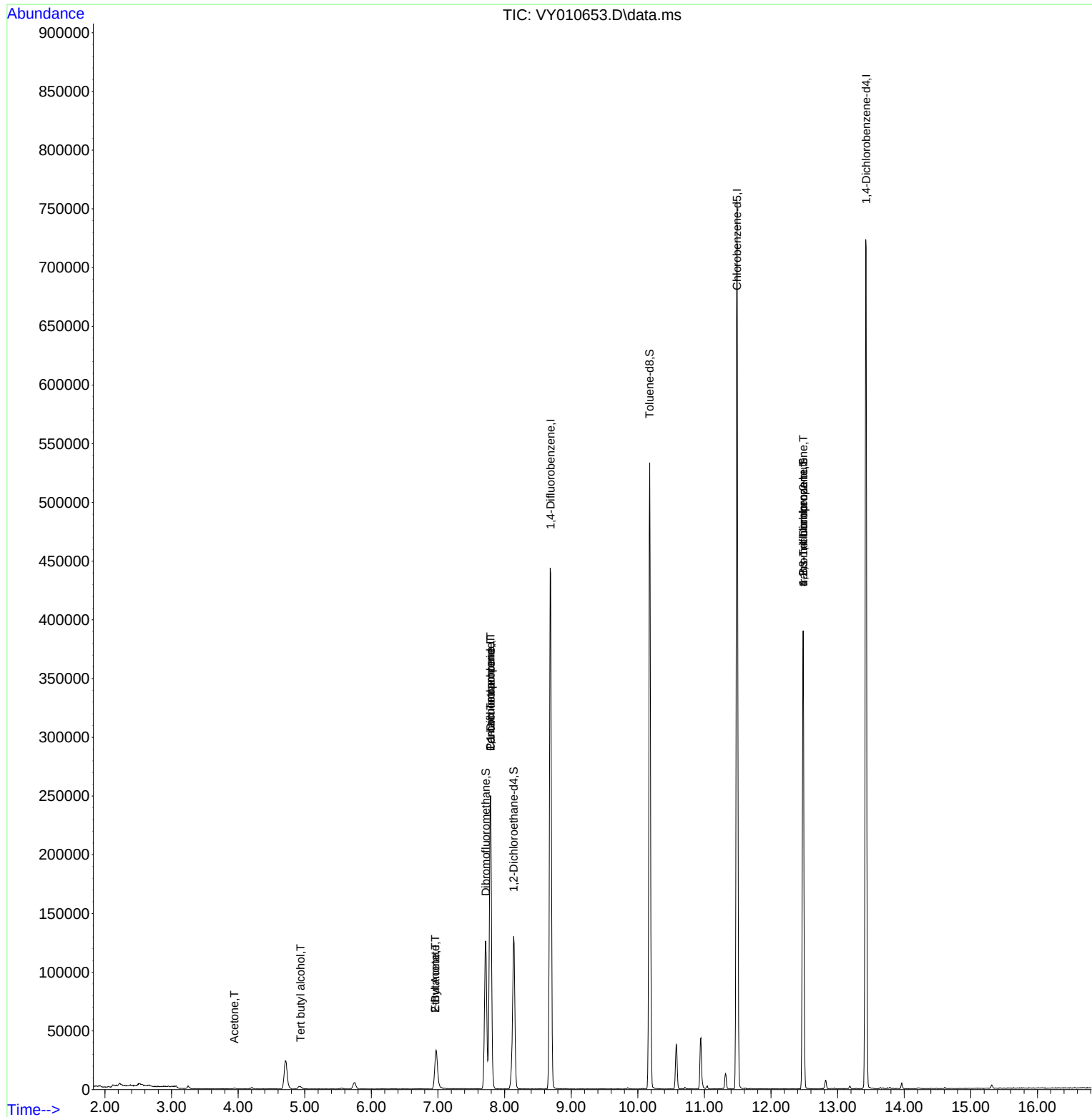
Internal Standards						
1) Pentafluorobenzene	7.789	168	195184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	381090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	403906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	187867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	93339	49.997	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.000%	
35) Dibromofluoromethane	7.716	113	89070	36.622	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 73.240%	
50) Toluene-d8	10.179	98	341829	38.777	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 77.560%	
62) 4-Bromofluorobenzene	12.483	95	111683	32.536	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 65.080%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	446	Below Cal		94
3) Chloromethane	2.113	50	403	Below Cal	#	66
5) Bromomethane	2.662	94	172	Below Cal		93
11) Tert butyl alcohol	4.936	59	2618	4.718 ug/l	#	77
16) Acetone	3.942	43	1378	3.620 ug/l		94
18) Methyl Acetate	4.478	43	497	Below Cal	#	56
20) Methylene Chloride	4.716	84	18812	Below Cal	#	80
25) 2-Butanone	6.960	43	1774	2.979 ug/l	#	78
31) Cyclohexane	7.789	56	4165	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	15630	5.768 ug/l	#	50
37) Ethyl Acetate	6.960	43	1774	1.133 ug/l	#	1
38) Carbon Tetrachloride	7.789	117	19073	6.121 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	58479	32.614 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58479	72.515 ug/l	#	7

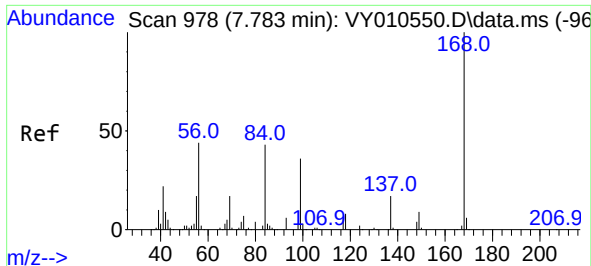
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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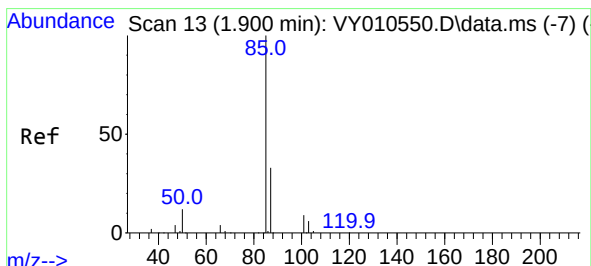
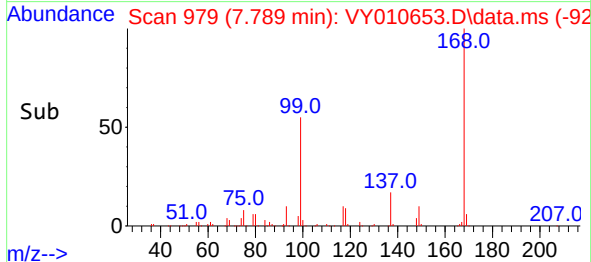
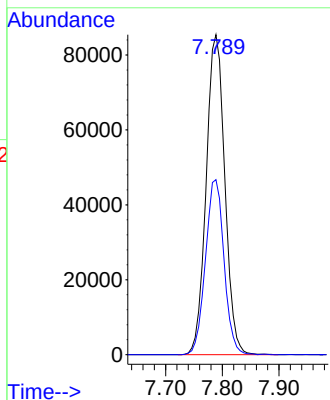
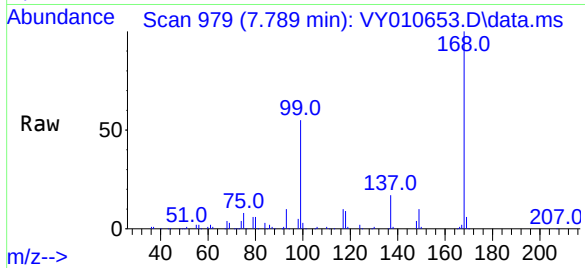




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

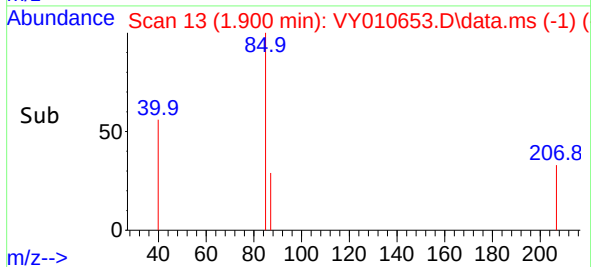
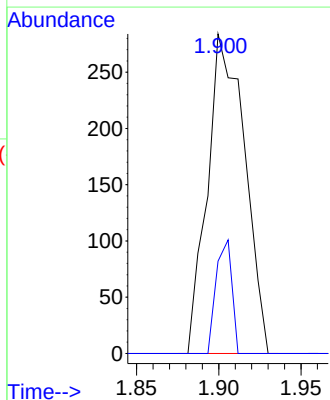
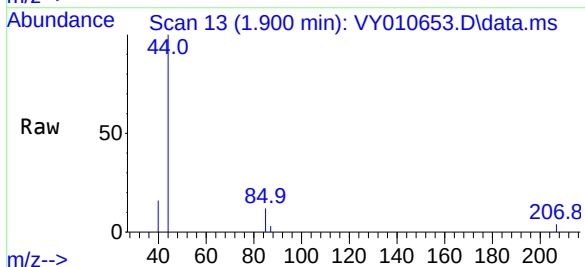
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-11.5-12.0

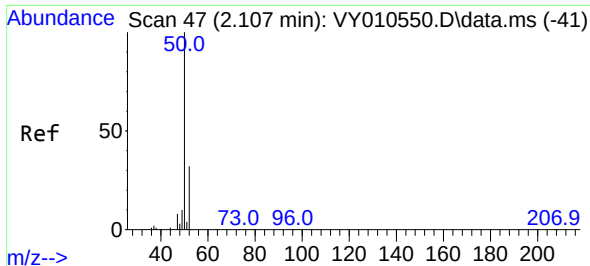
Tgt Ion:168 Resp: 195184
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

Tgt Ion: 85 Resp: 446
Ion Ratio Lower Upper
85 100
87 28.9 16.1 48.2

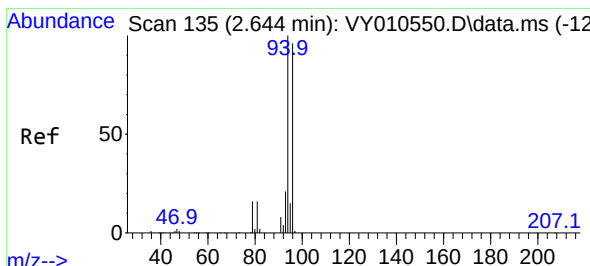
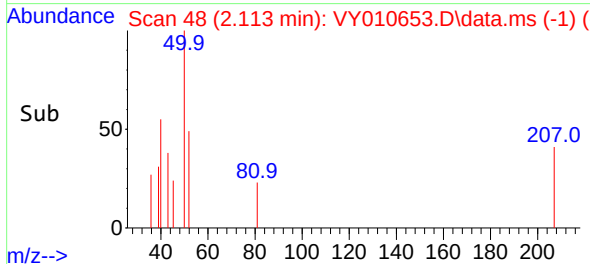
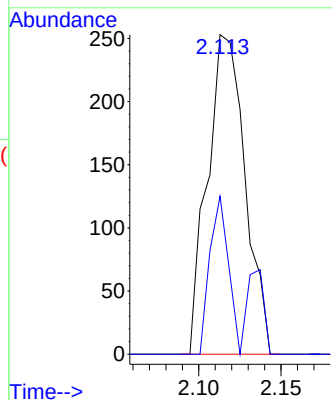
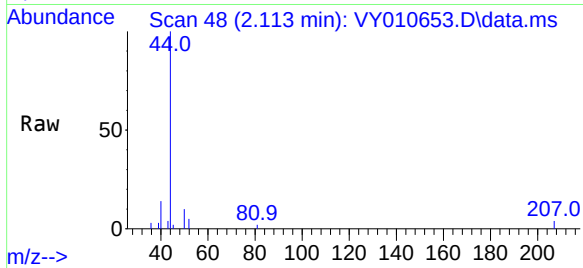




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

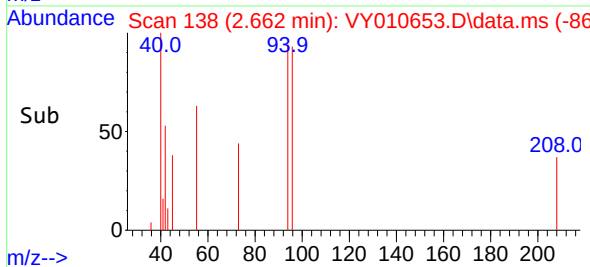
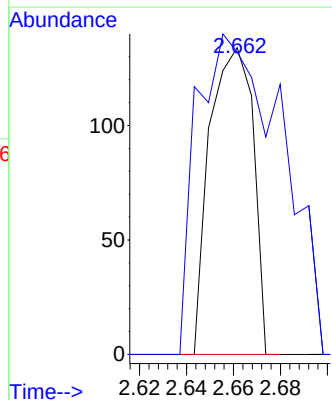
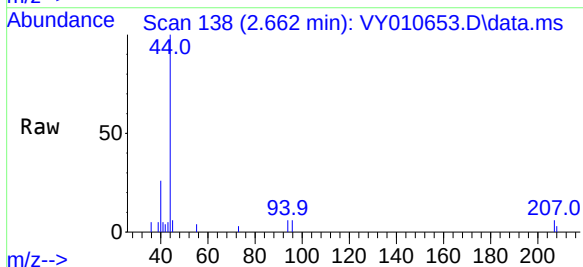
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-11.5-12.0

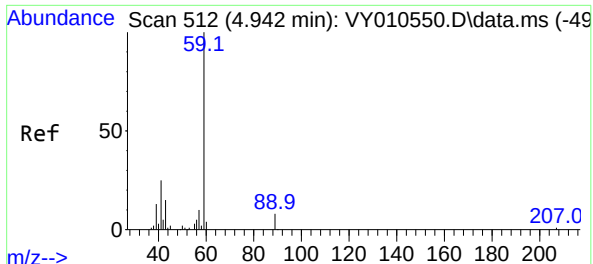
Tgt Ion: 50 Resp: 403
Ion Ratio Lower Upper
50 100
52 49.4 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

Tgt Ion: 94 Resp: 172
Ion Ratio Lower Upper
94 100
96 98.5 73.5 110.3

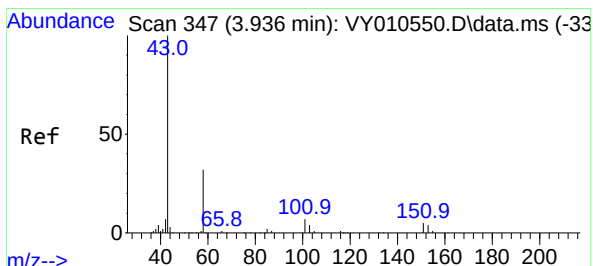
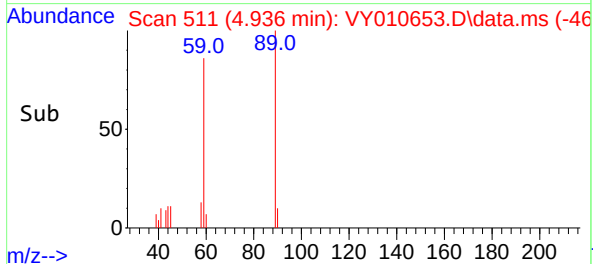
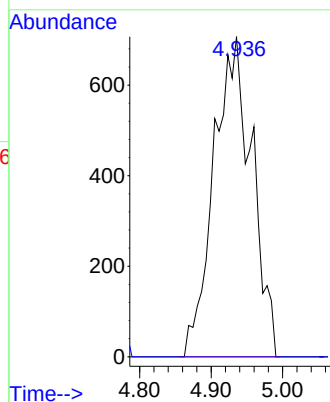
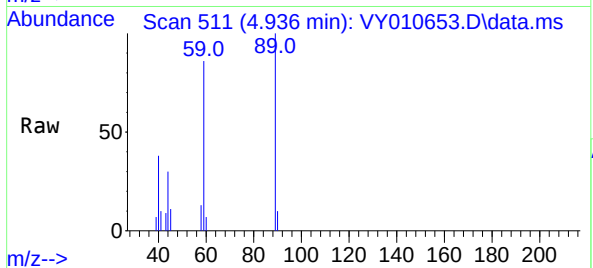




#11
Tert butyl alcohol
Concen: 4.718 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

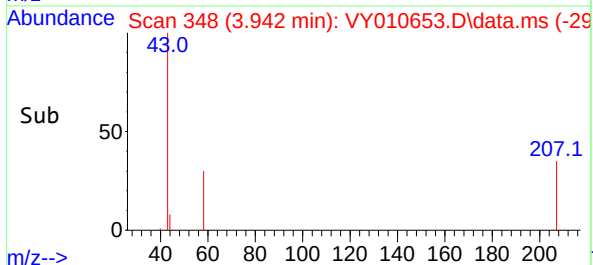
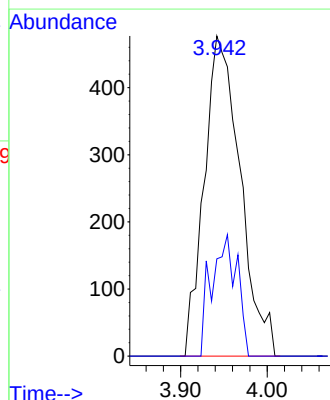
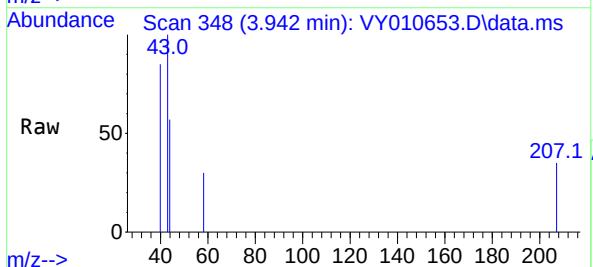
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-11.5-12.0

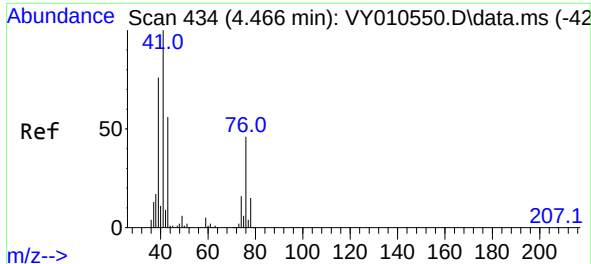
Tgt Ion: 59 Resp: 2618
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 3.620 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

Tgt Ion: 43 Resp: 1378
Ion Ratio Lower Upper
43 100
58 30.4 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY010653.D

Acq: 23 Sep 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

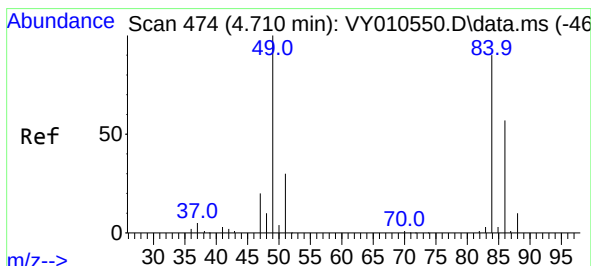
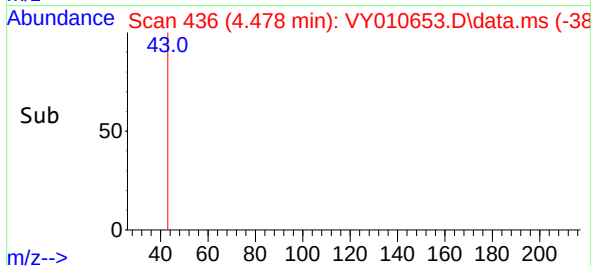
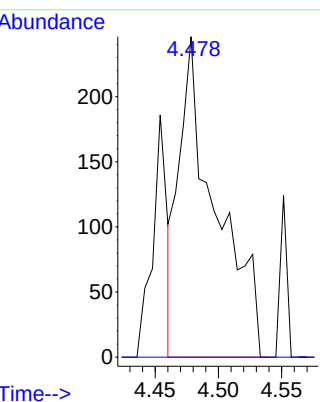
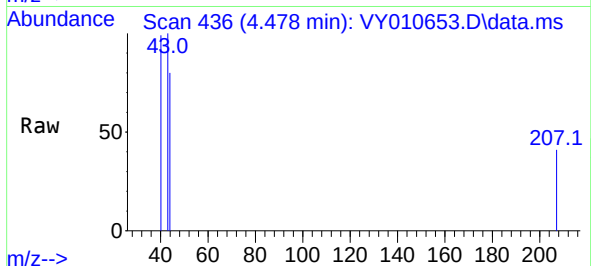
SB-09-11.5-12.0

Tgt Ion: 43 Resp: 497

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: VY010653.D

Acq: 23 Sep 2022 16:56

Tgt Ion: 84 Resp: 18812

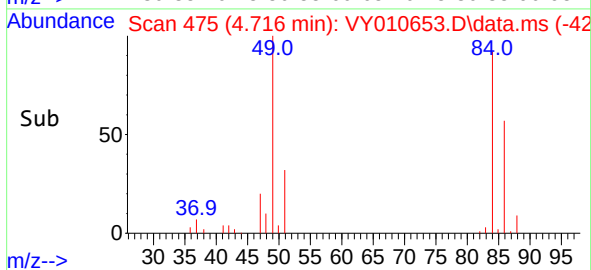
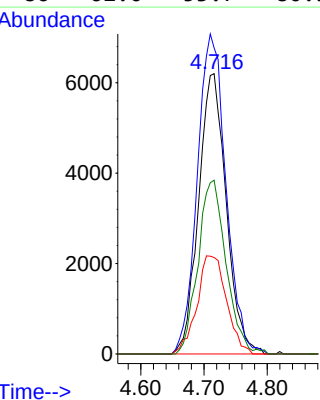
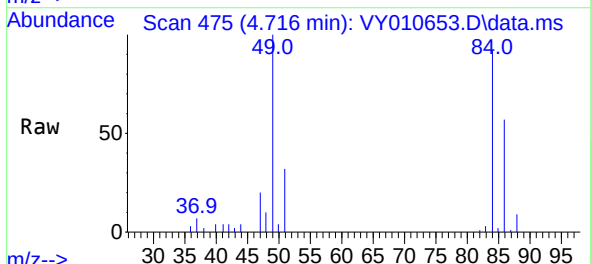
Ion Ratio Lower Upper

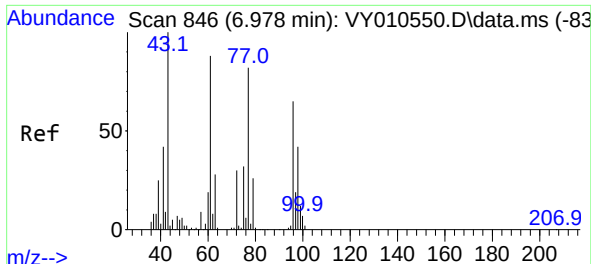
84 100

49 109.1 114.4 171.6#

51 34.4 35.3 52.9#

86 62.0 53.7 80.5

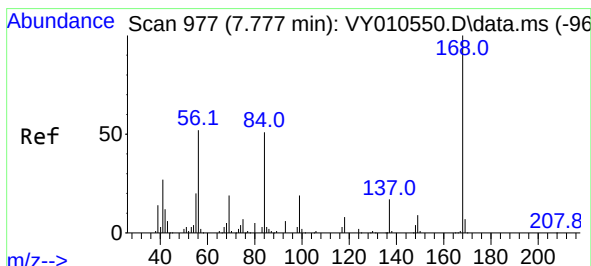
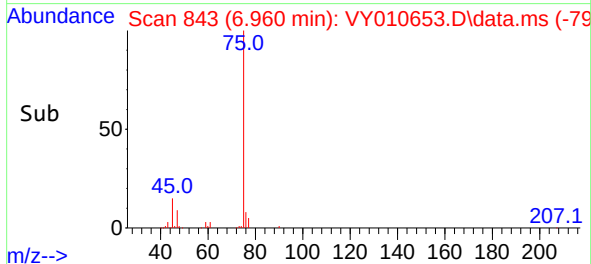
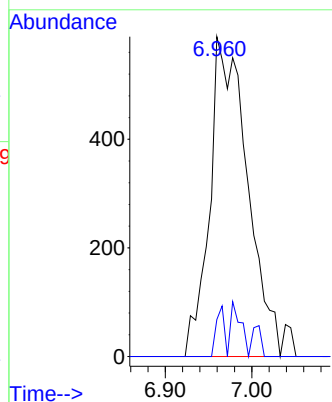
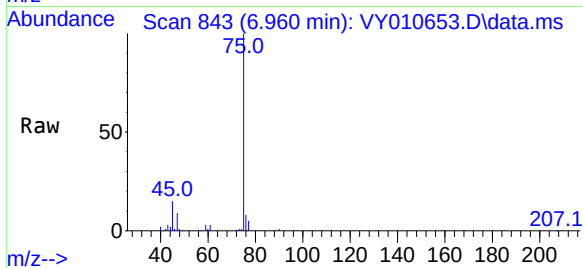




#25
2-Butanone
Concen: 2.979 ug/l
RT: 6.960 min Scan# 84
Delta R.T. -0.018 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

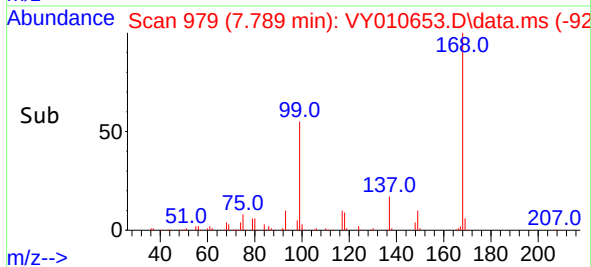
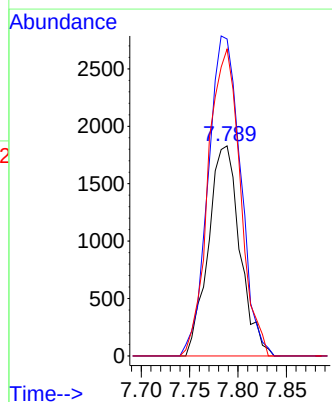
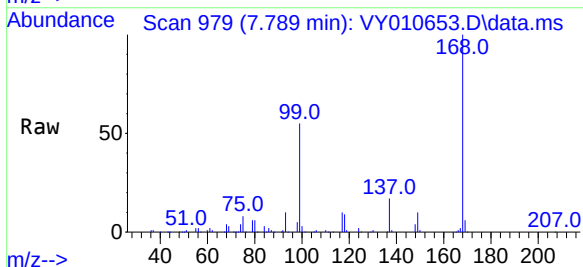
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-11.5-12.0

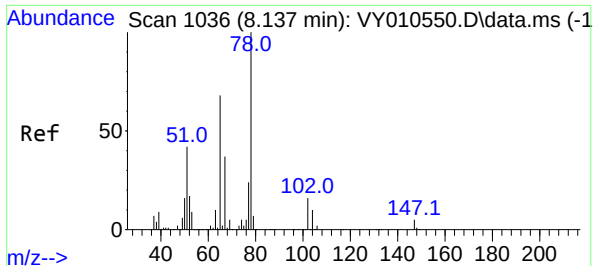
Tgt Ion: 43 Resp: 1774
Ion Ratio Lower Upper
43 100
72 11.5 17.7 26.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

Tgt Ion: 56 Resp: 4165
Ion Ratio Lower Upper
56 100
69 150.9 26.7 40.1#
84 146.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 49.997 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010653.D

Acq: 23 Sep 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

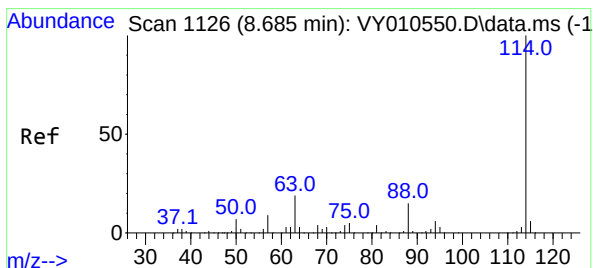
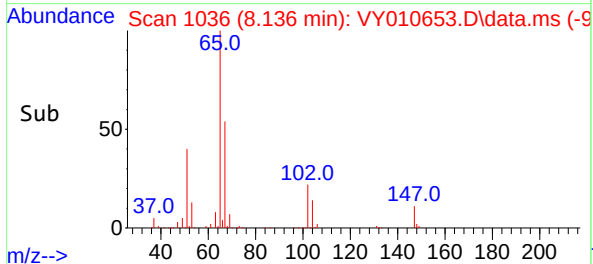
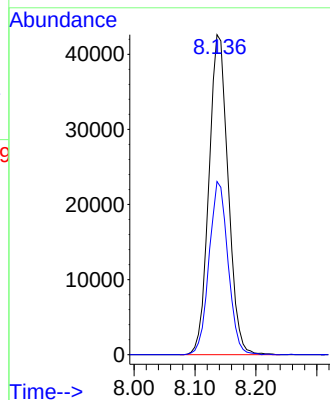
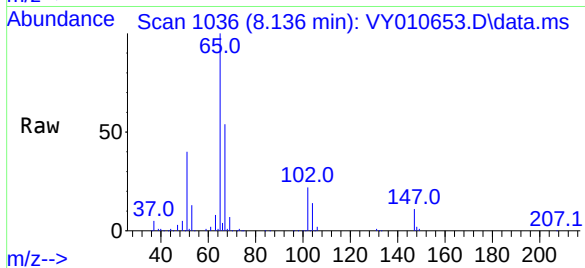
SB-09-11.5-12.0

Tgt Ion: 65 Resp: 93339

Ion Ratio Lower Upper

65 100

67 53.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010653.D

Acq: 23 Sep 2022 16:56

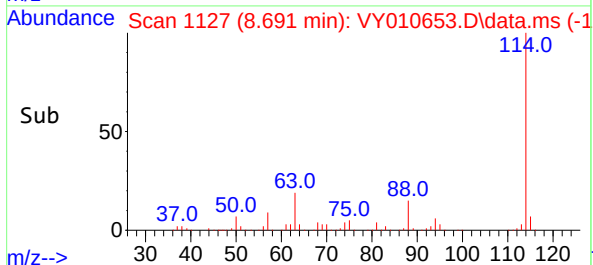
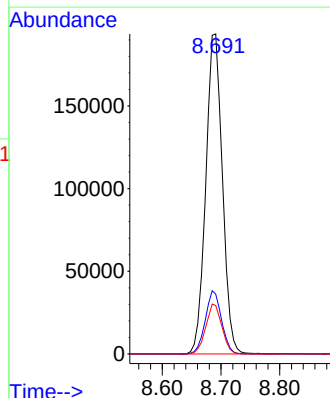
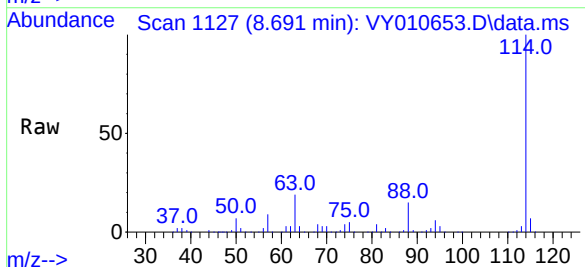
Tgt Ion:114 Resp: 381090

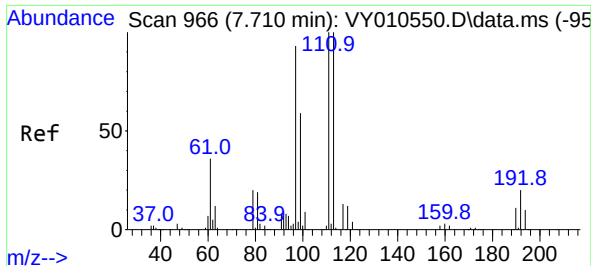
Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 15.2 0.0 31.8

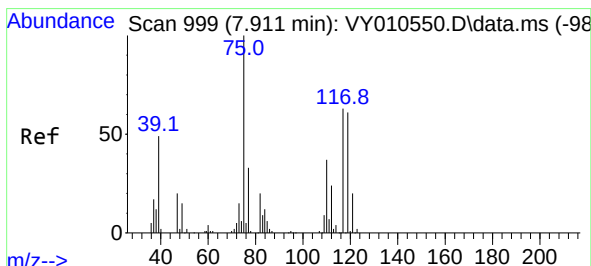
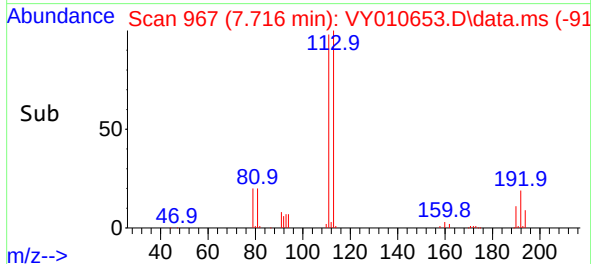
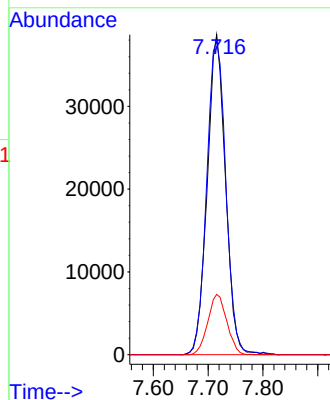
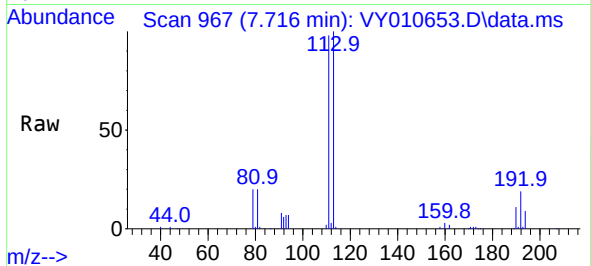




#35
Dibromofluoromethane
Concen: 36.622 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

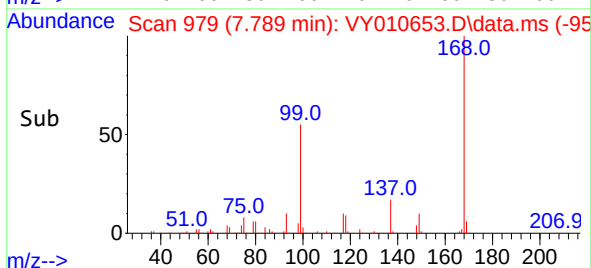
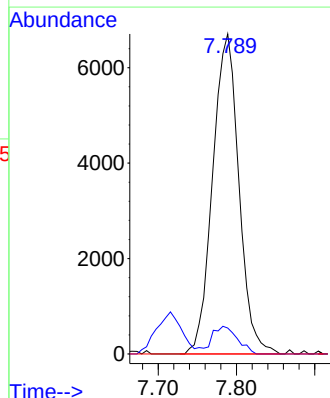
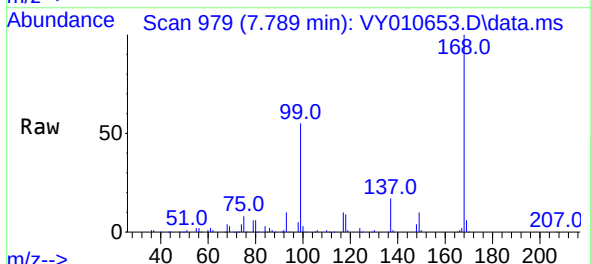
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-11.5-12.0

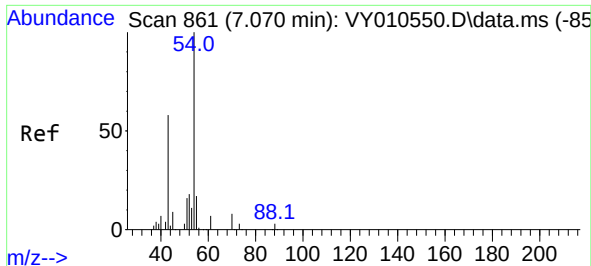
Tgt Ion:113 Resp: 89070
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 19.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.768 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

Tgt Ion: 75 Resp: 15630
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.133 ug/l

RT: 6.960 min Scan# 84

Delta R.T. -0.110 min

Lab File: VY010653.D

Acq: 23 Sep 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-11.5-12.0

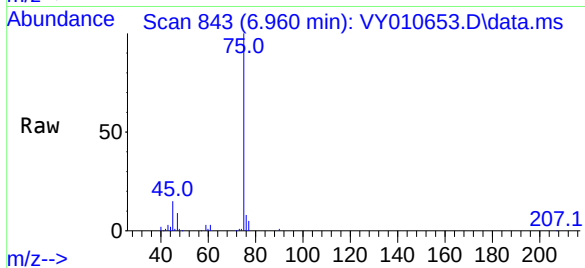
Tgt Ion: 43 Resp: 1774

Ion Ratio Lower Upper

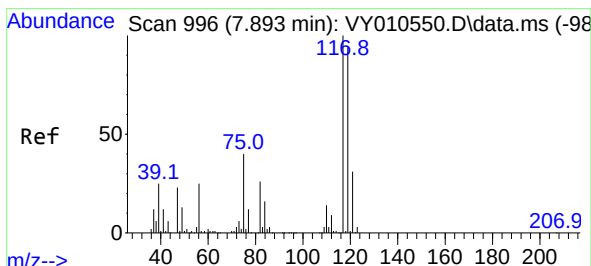
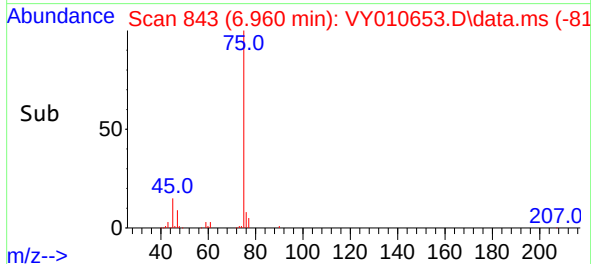
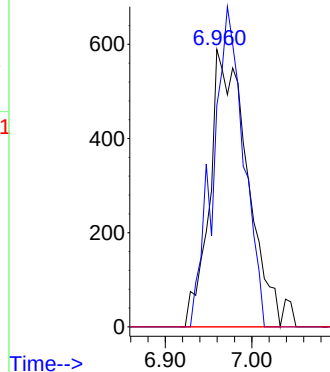
43 100

61 94.0 9.7 14.5#

70 0.0 7.1 10.7#



Abundance



#38

Carbon Tetrachloride

Concen: 6.121 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY010653.D

Acq: 23 Sep 2022 16:56

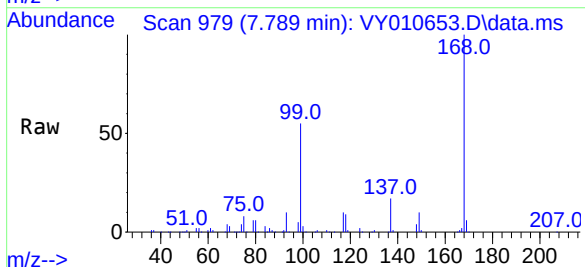
Tgt Ion: 117 Resp: 19073

Ion Ratio Lower Upper

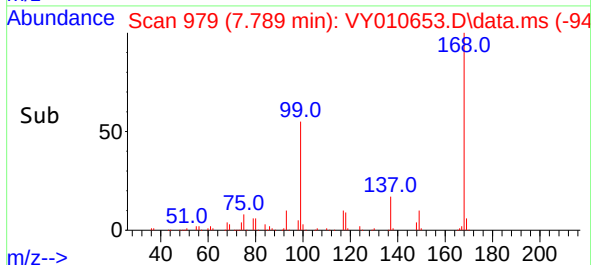
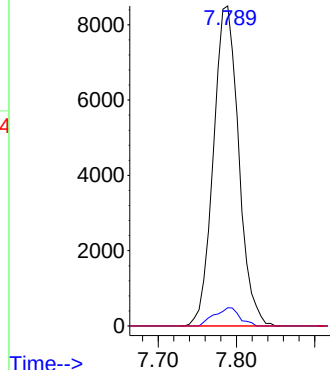
117 100

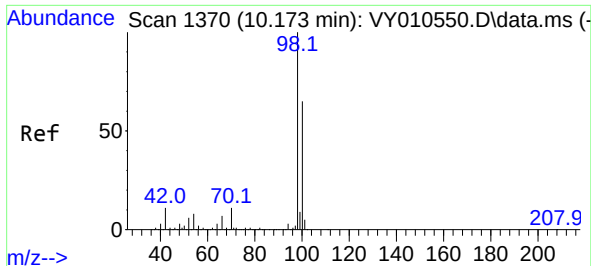
119 5.7 77.9 116.9#

121 0.0 24.8 37.2#



Abundance

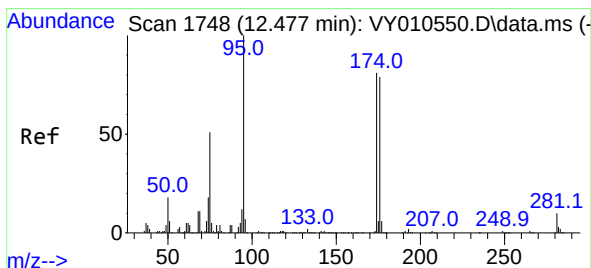
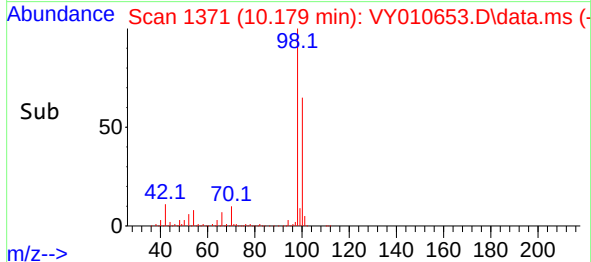
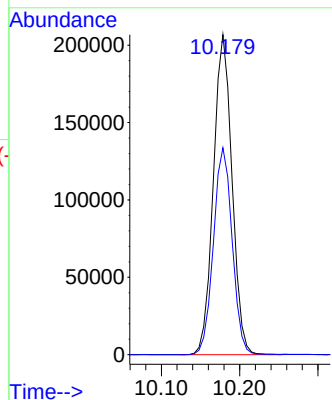
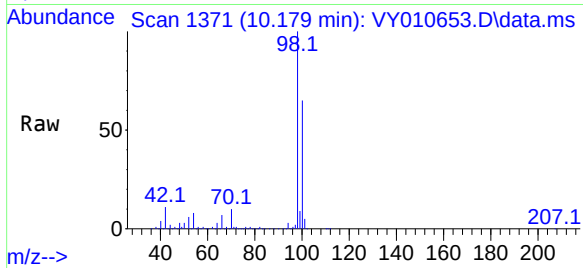




#50
Toluene-d8
Concen: 38.777 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

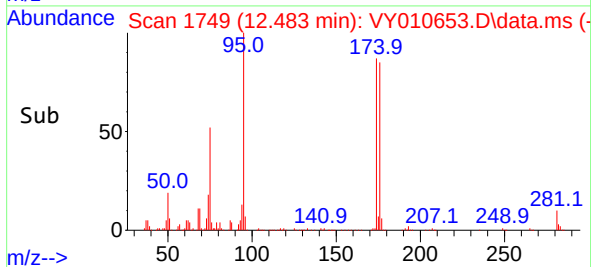
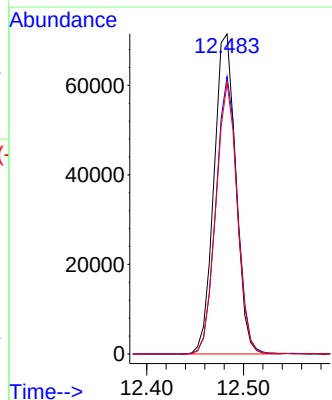
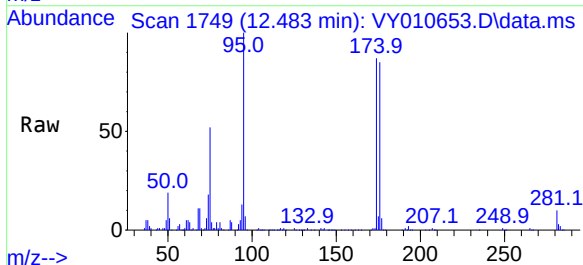
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-11.5-12.0

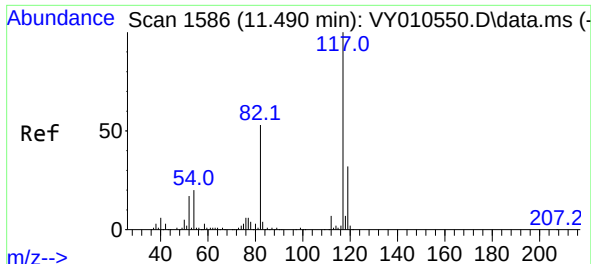
Tgt Ion: 98 Resp: 341829
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 32.536 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

Tgt Ion: 95 Resp: 111683
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 82.8 0.0 175.8

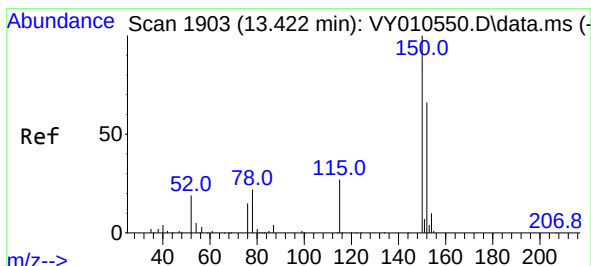
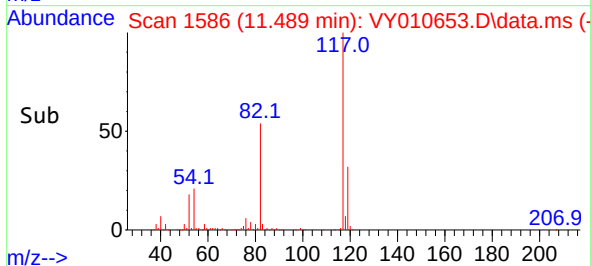
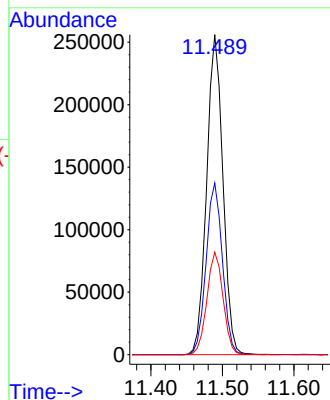
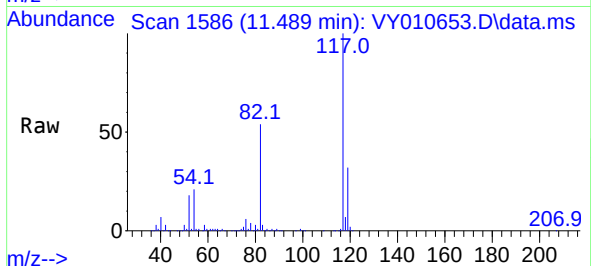




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

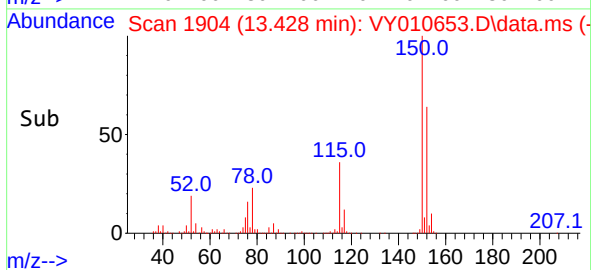
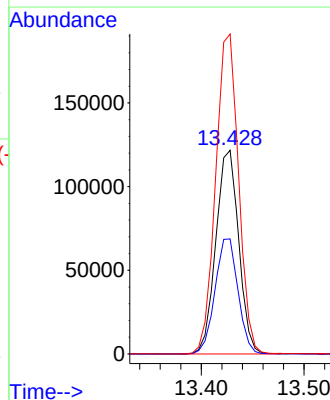
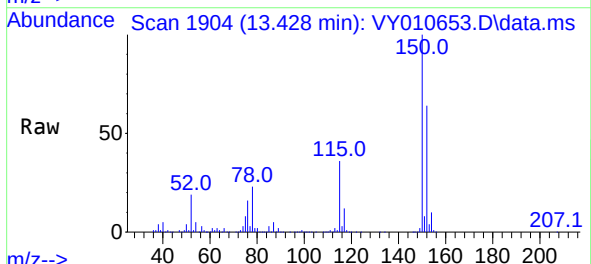
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-11.5-12.0

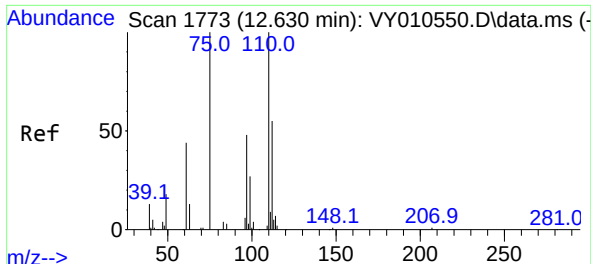
Tgt Ion:117 Resp: 403906
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

Tgt Ion:152 Resp: 187867
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.7
150 157.5 0.0 347.6

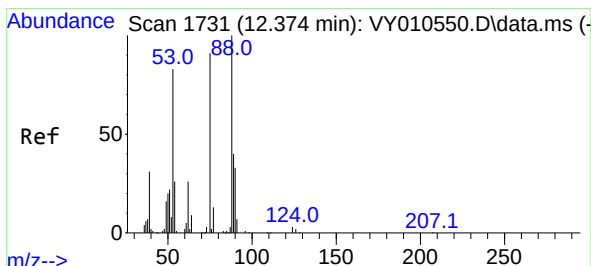
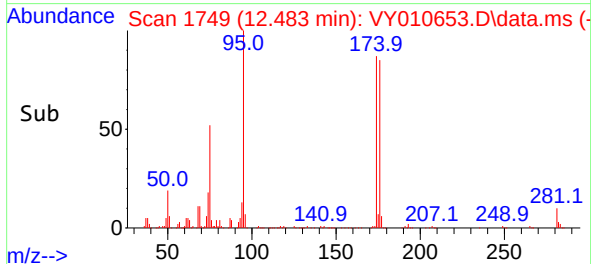
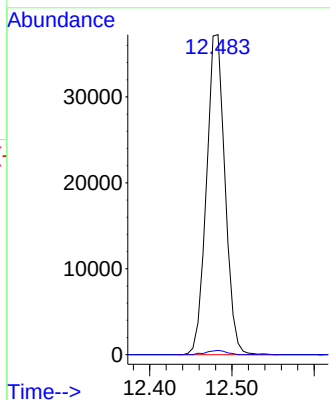
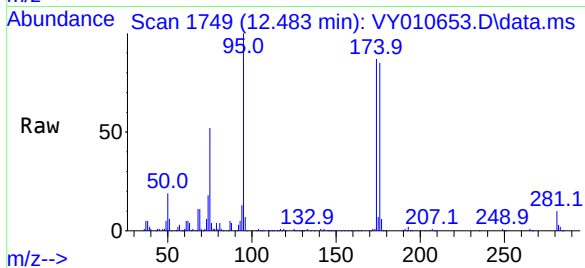




#76
1,2,3-Trichloropropane
Concen: 32.614 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

Instrument :
MSVOA_Y
ClientSampleId :
SB-09-11.5-12.0

Tgt Ion: 75 Resp: 58479
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.515 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY010653.D
Acq: 23 Sep 2022 16:56

Tgt Ion: 75 Resp: 58479
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

