

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007913.D
 Acq On : 18 Mar 2022 19:28
 Operator : SY/MD
 Sample : N1951-11
 Misc : 7.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BLIND-DUPLICATE

Quant Time: Mar 19 01:39:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

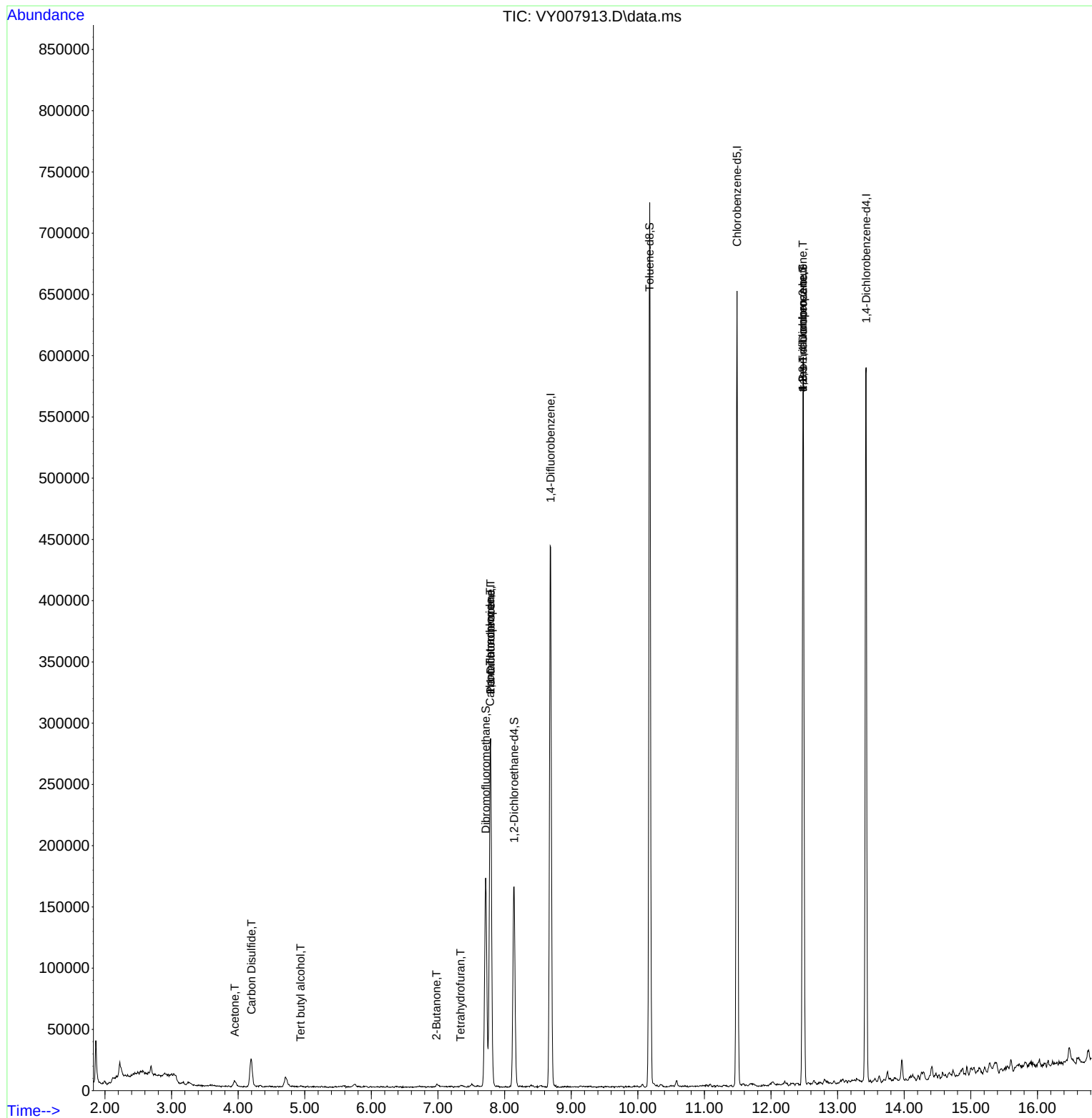
Internal Standards						
1) Pentafluorobenzene	7.789	168	216927	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	389472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	348540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	148400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124711	50.421	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.840%	
35) Dibromofluoromethane	7.716	113	121343	44.363	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.720%	
50) Toluene-d8	10.179	98	468140	57.575	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.140%	
62) 4-Bromofluorobenzene	12.477	95	159389	40.603	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.200%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	153	Below Cal	#	43
3) Chloromethane	2.113	50	712	Below Cal		89
4) Vinyl Chloride	2.247	62	270	Below Cal	#	79
5) Bromomethane	2.662	94	377	Below Cal	#	63
11) Tert butyl alcohol	4.936	59	720	2.499	ug/l #	68
16) Acetone	3.948	43	8403	12.807	ug/l #	83
17) Carbon Disulfide	4.198	76	46439	5.540	ug/l	100
18) Methyl Acetate	4.460	43	345	Below Cal	#	56
20) Methylene Chloride	4.704	84	6198	Below Cal	#	66
25) 2-Butanone	6.978	43	2415	2.298	ug/l #	87
29) Tetrahydrofuran	7.338	42	751	1.115	ug/l #	85
31) Cyclohexane	7.783	56	5121	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	17771	4.380	ug/l #	51
38) Carbon Tetrachloride	7.783	117	23081	5.324	ug/l #	17
39) Methylcyclohexane	9.179	83	277	Below Cal	#	36
76) 1,2,3-Trichloropropane	12.477	75	81879	38.710	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	81879	81.306	ug/l #	8

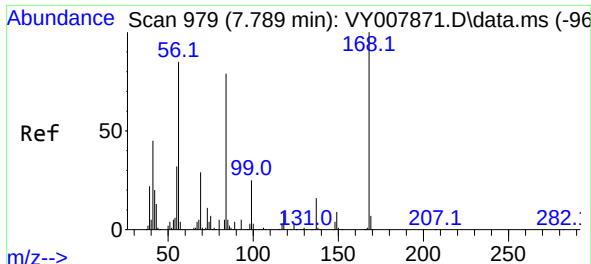
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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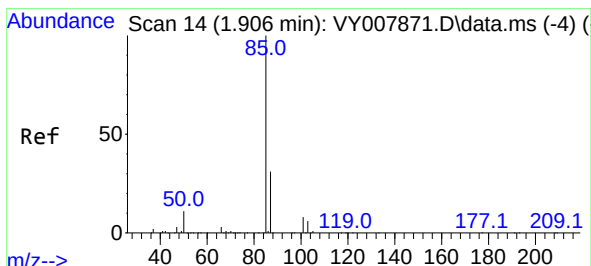
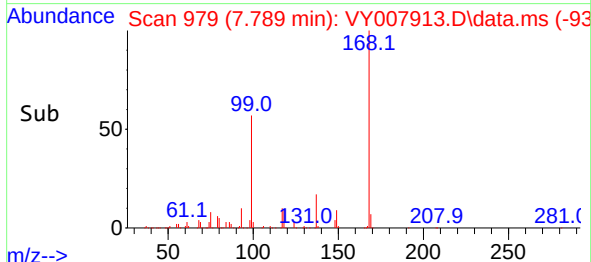
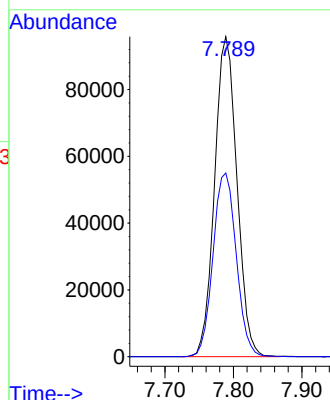
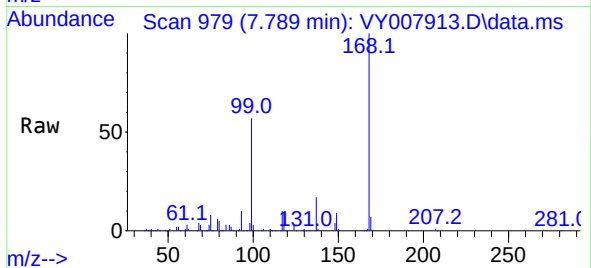




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

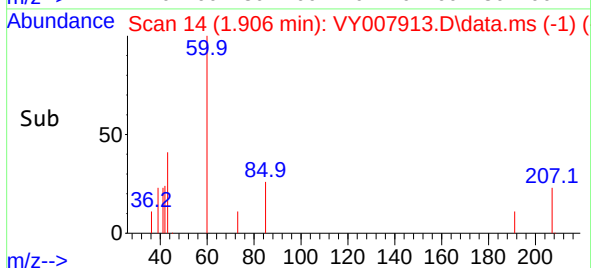
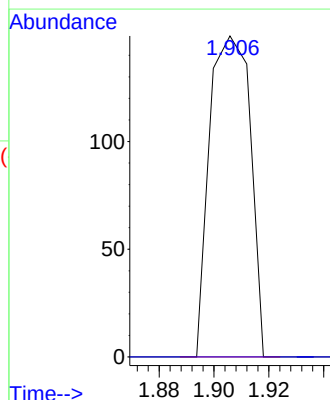
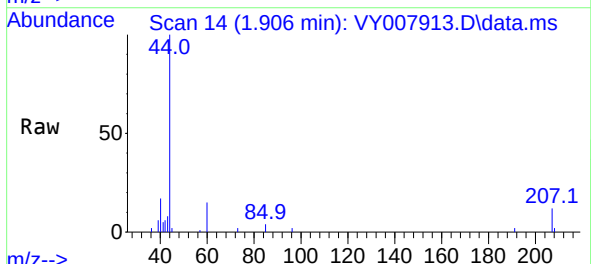
Instrument :
MSVOA_Y
ClientSampleId :
BLIND-DUPLICATE

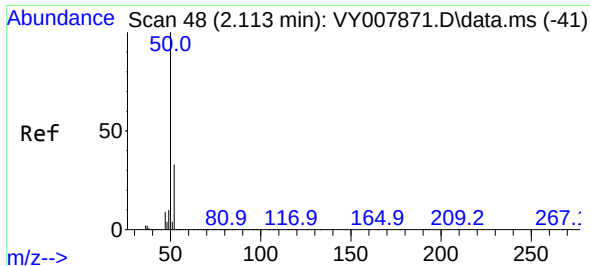
Tgt Ion:168 Resp: 216927
Ion Ratio Lower Upper
168 100
99 57.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

Tgt Ion: 85 Resp: 153
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

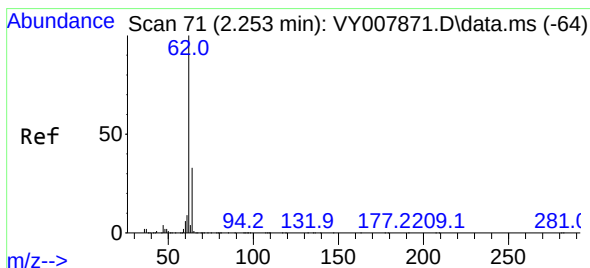
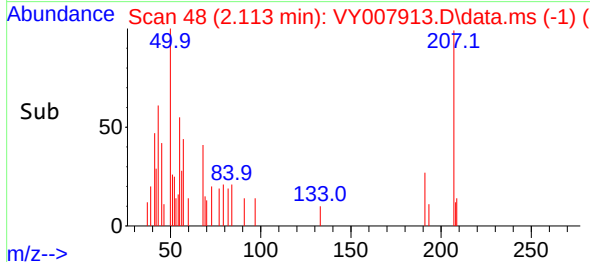
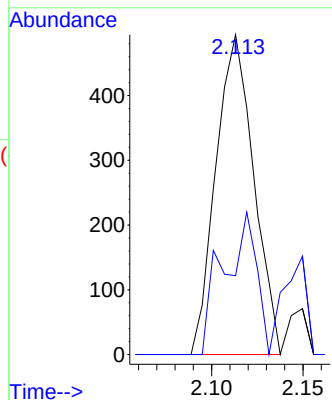
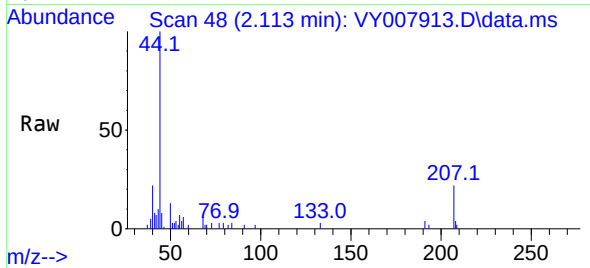




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

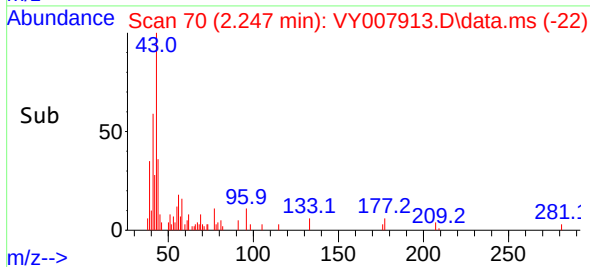
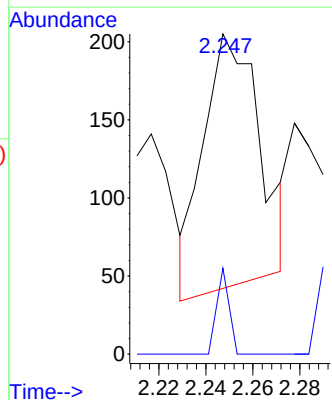
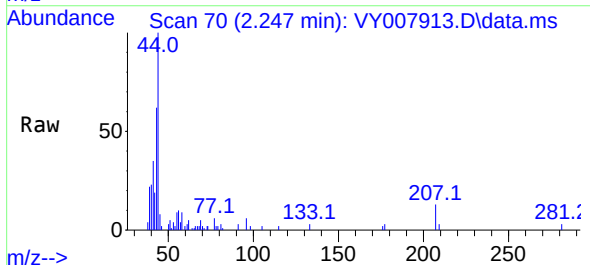
Instrument :
MSVOA_Y
ClientSampleId :
BLIND-DUPLICATE

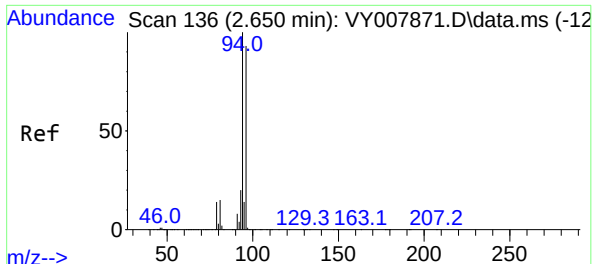
Tgt Ion: 50 Resp: 712
Ion Ratio Lower Upper
50 100
52 24.7 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

Tgt Ion: 62 Resp: 270
Ion Ratio Lower Upper
62 100
64 42.6 25.0 37.6#

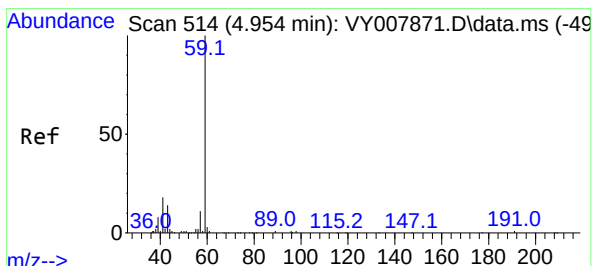
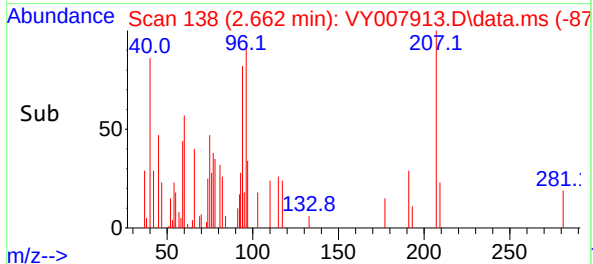
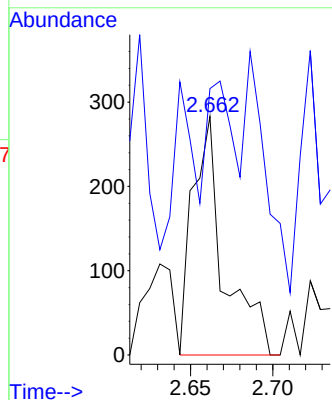
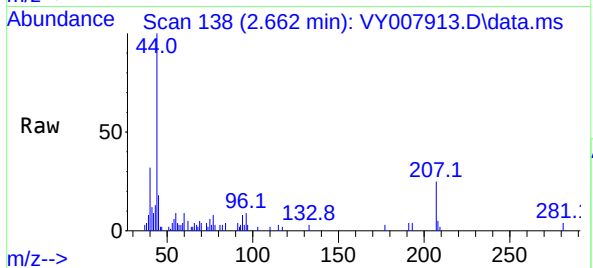




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

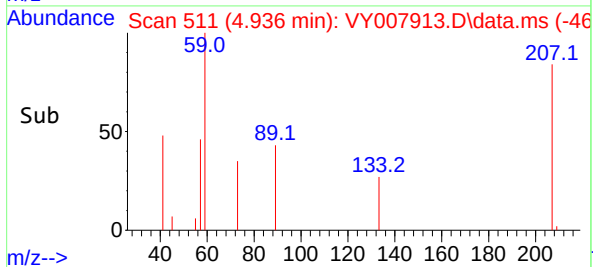
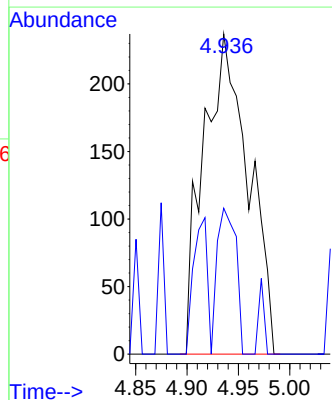
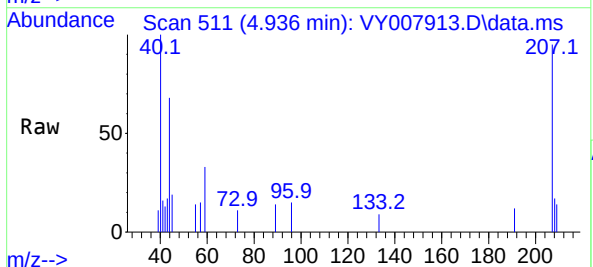
Instrument :
MSVOA_Y
ClientSampleId :
BLIND-DUPLICATE

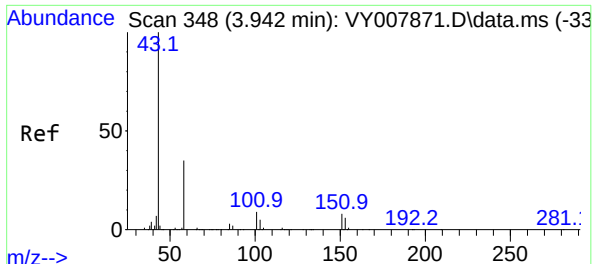
Tgt Ion: 94 Resp: 377
Ion Ratio Lower Upper
94 100
96 56.5 73.5 110.3#



#11
Tert butyl alcohol
Concen: 2.499 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

Tgt Ion: 59 Resp: 720
Ion Ratio Lower Upper
59 100
57 19.2 6.4 9.6#

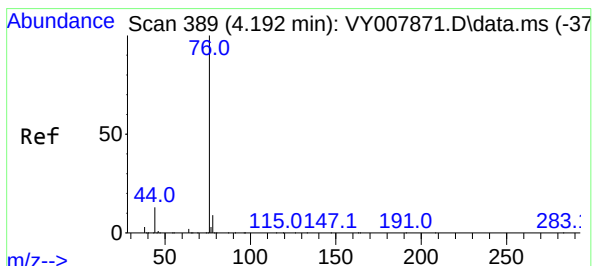
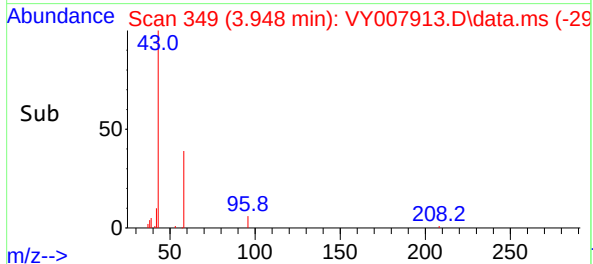
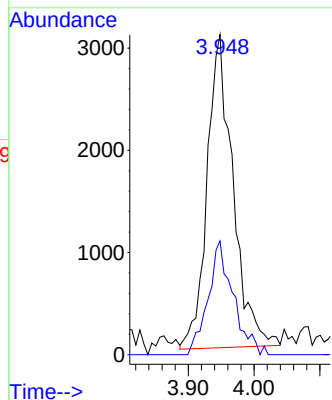
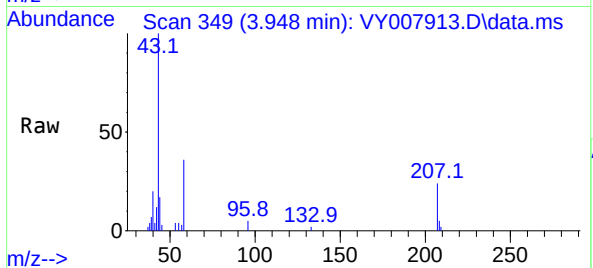




#16
Acetone
Concen: 12.807 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

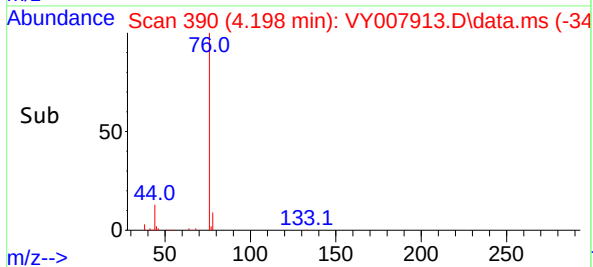
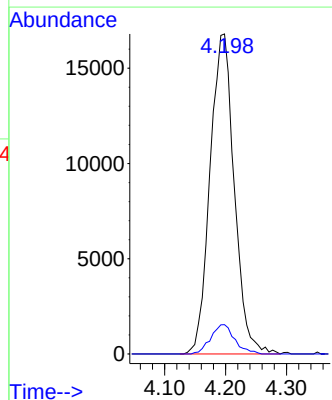
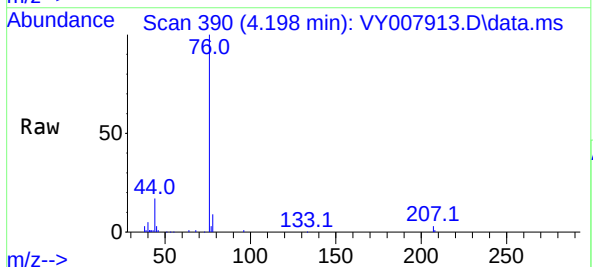
Instrument :
MSVOA_Y
ClientSampleId :
BLIND-DUPLICATE

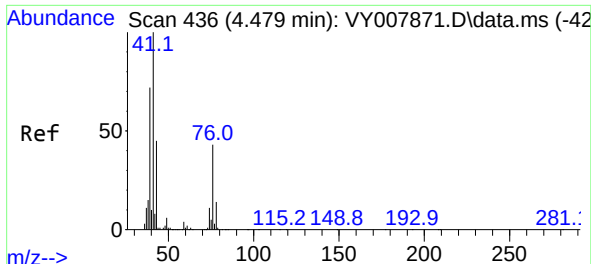
Tgt Ion: 43 Resp: 8403
Ion Ratio Lower Upper
43 100
58 36.6 22.0 33.0#



#17
Carbon Disulfide
Concen: 5.540 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

Tgt Ion: 76 Resp: 46439
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.460 min Scan# 41

Delta R.T. -0.013 min

Lab File: VY007913.D

Acq: 18 Mar 2022 19:28

Instrument :

MSVOA_Y

ClientSampleId :

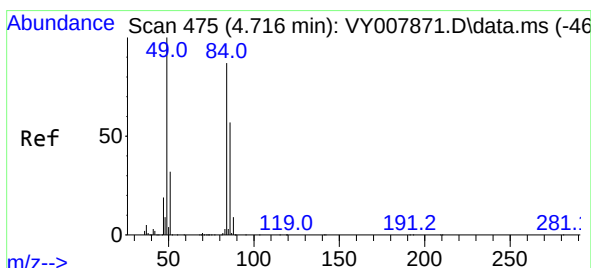
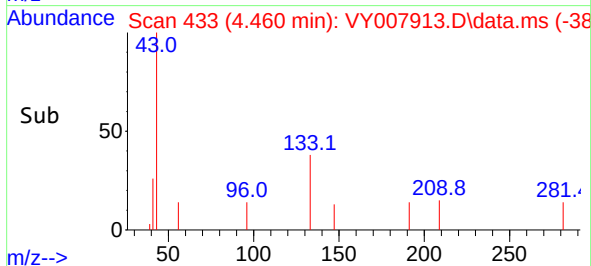
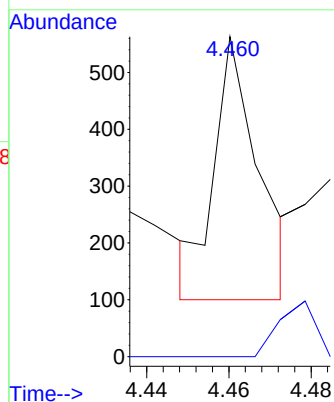
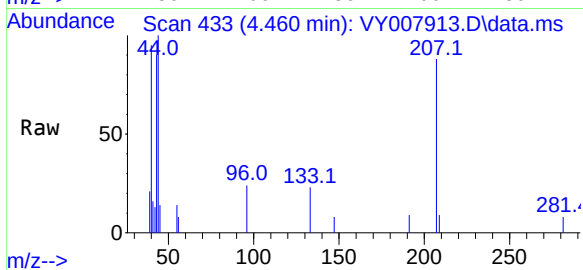
BLIND-DUPLICATE

Tgt Ion: 43 Resp: 345

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. -0.012 min

Lab File: VY007913.D

Acq: 18 Mar 2022 19:28

Tgt Ion: 84 Resp: 6198

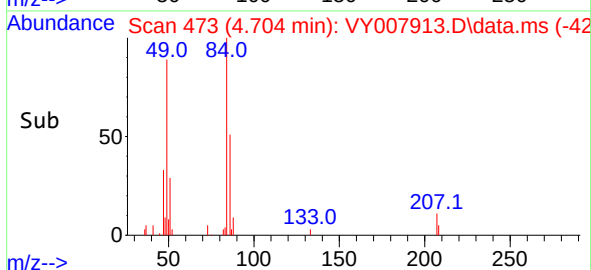
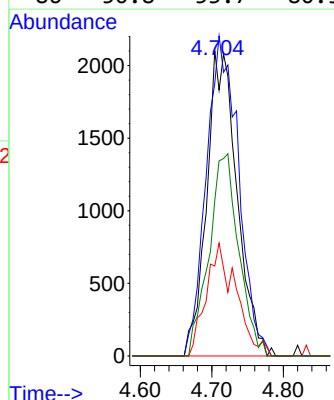
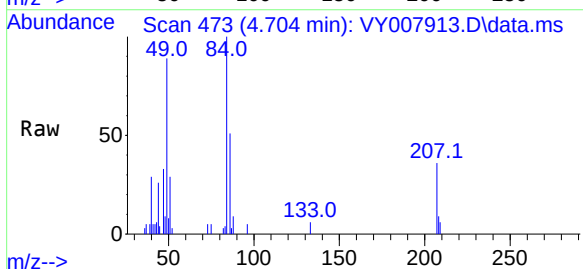
Ion Ratio Lower Upper

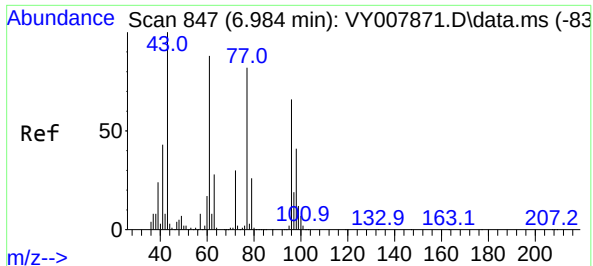
84 100

49 89.2 114.4 171.6#

51 29.4 35.3 52.9#

86 50.8 53.7 80.5#





#25

2-Butanone

Concen: 2.298 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY007913.D

Acq: 18 Mar 2022 19:28

Instrument :

MSVOA_Y

ClientSampleId :

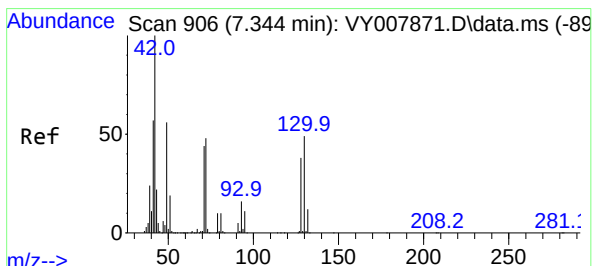
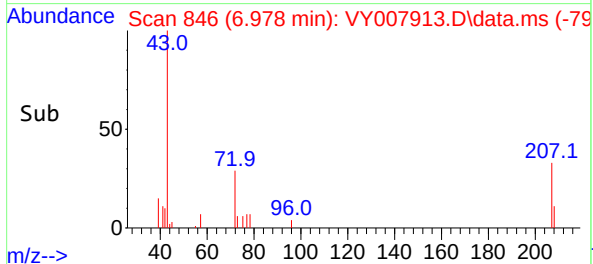
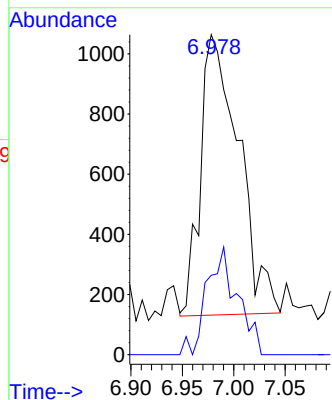
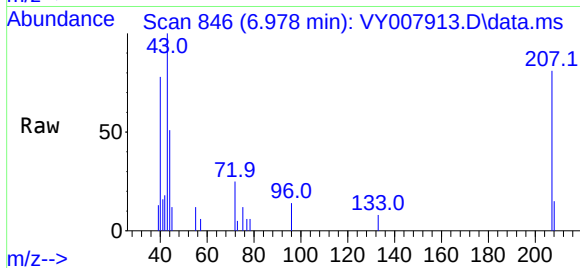
BLIND-DUPLICATE

Tgt Ion: 43 Resp: 2415

Ion Ratio Lower Upper

43 100

72 28.5 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.115 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY007913.D

Acq: 18 Mar 2022 19:28

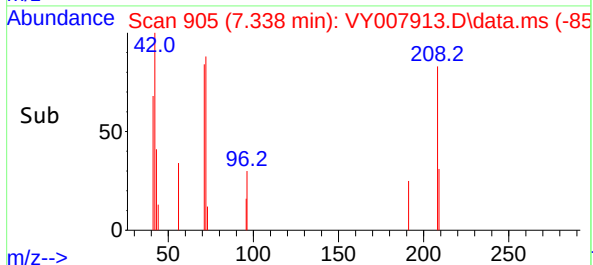
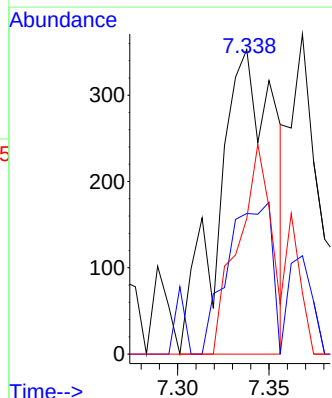
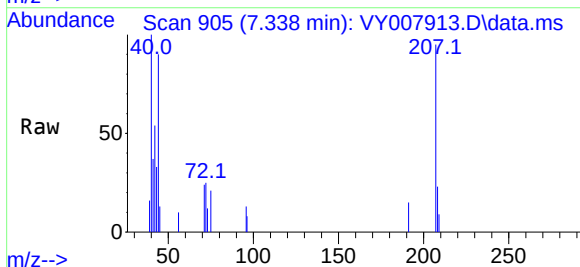
Tgt Ion: 42 Resp: 751

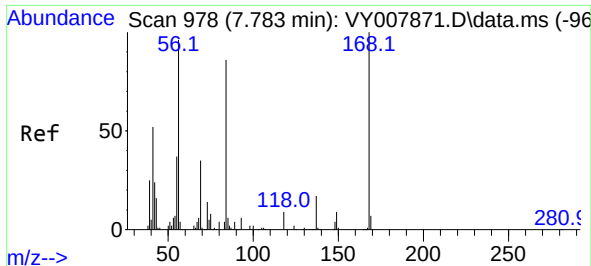
Ion Ratio Lower Upper

42 100

72 39.1 30.3 45.5

71 52.6 29.0 43.4#

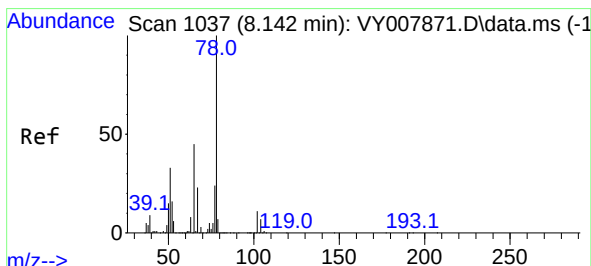
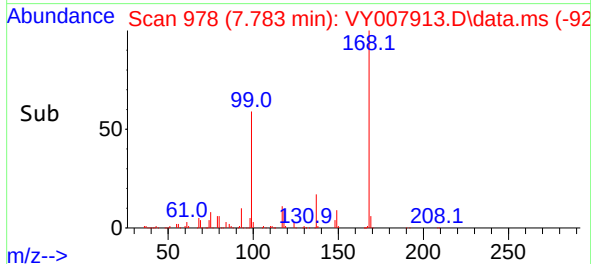
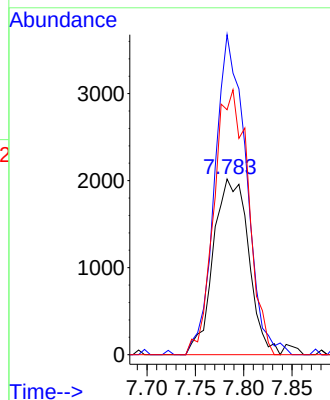
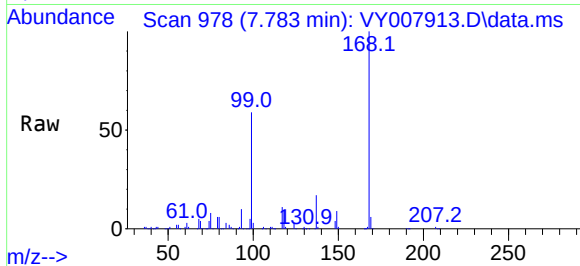




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

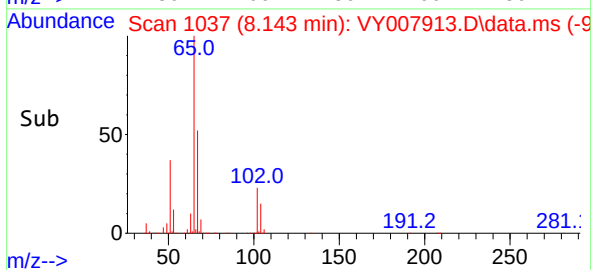
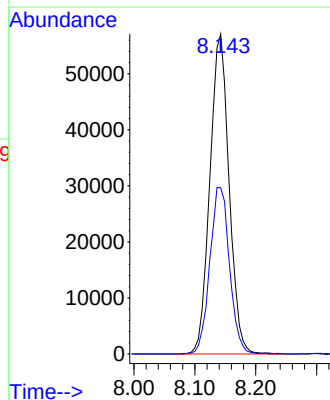
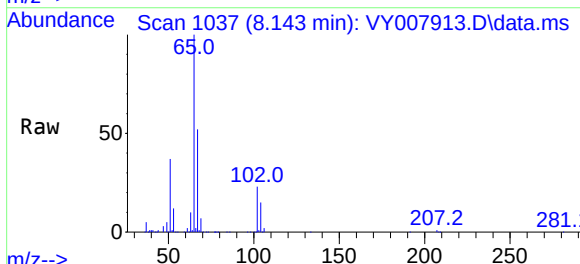
Instrument :
MSVOA_Y
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BLIND-DUPLICATE

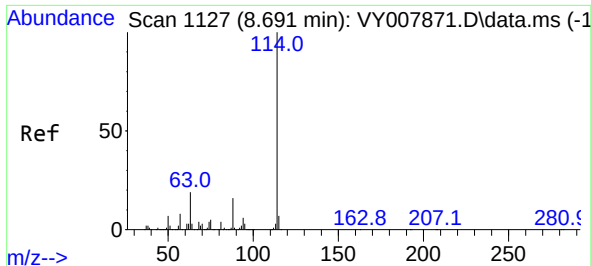
Tgt Ion: 56 Resp: 5121
Ion Ratio Lower Upper
56 100
69 182.2 26.7 40.1#
84 139.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 50.421 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

Tgt Ion: 65 Resp: 124711
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. -0.000 min

Lab File: VY007913.D

Acq: 18 Mar 2022 19:28

Instrument :

MSVOA_Y

ClientSampleId :

BLIND-DUPLICATE

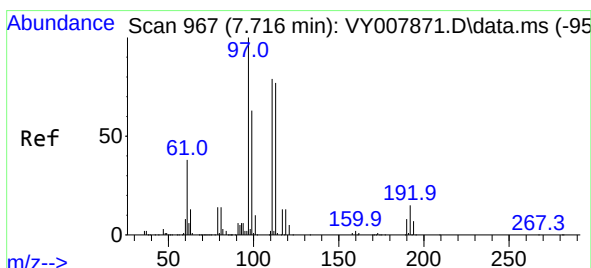
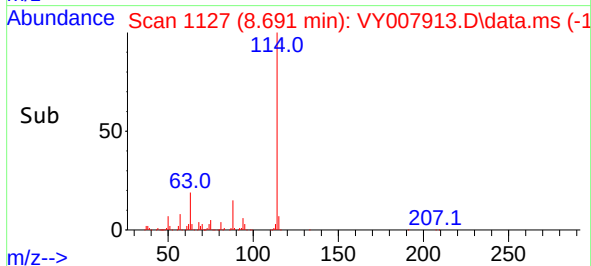
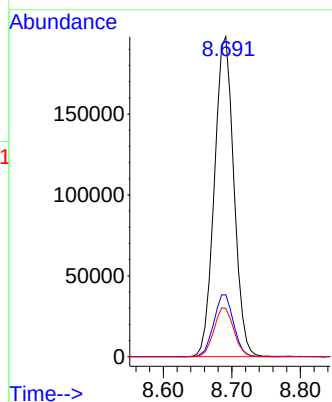
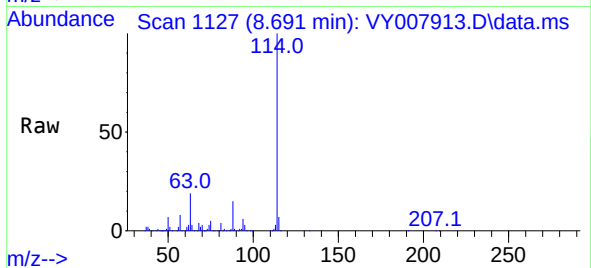
Tgt Ion:114 Resp: 389472

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.363 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007913.D

Acq: 18 Mar 2022 19:28

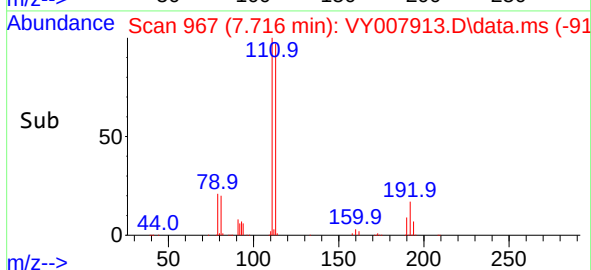
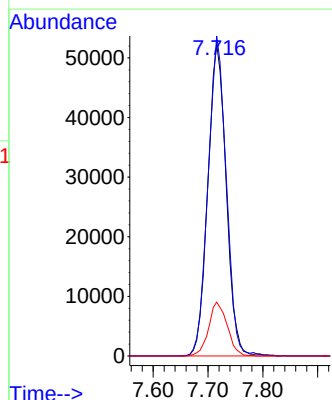
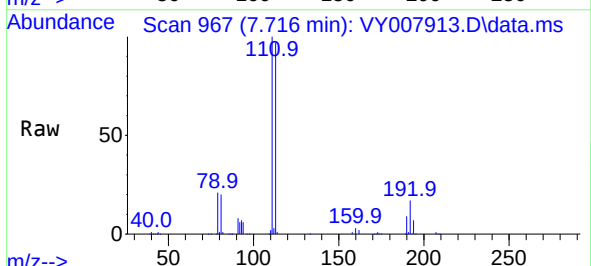
Tgt Ion:113 Resp: 121343

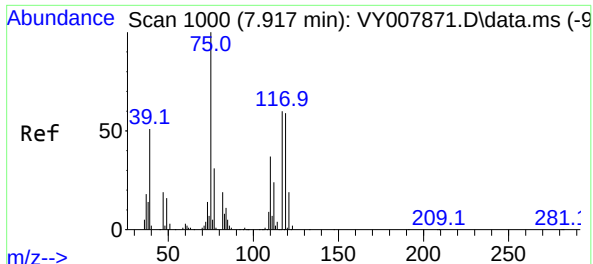
Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

192 17.5 17.6 26.4#





#36

1,1-Dichloropropene

Concen: 4.380 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007913.D

Acq: 18 Mar 2022 19:28

Instrument :

MSVOA_Y

ClientSampleId :

BLIND-DUPLICATE

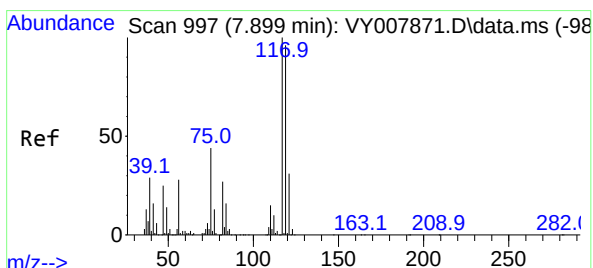
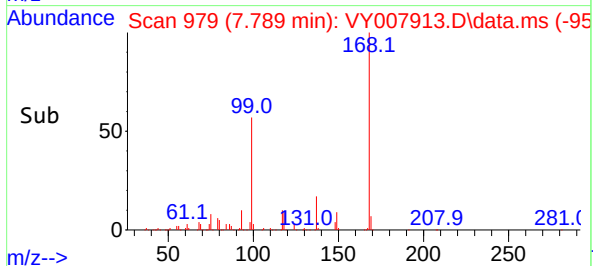
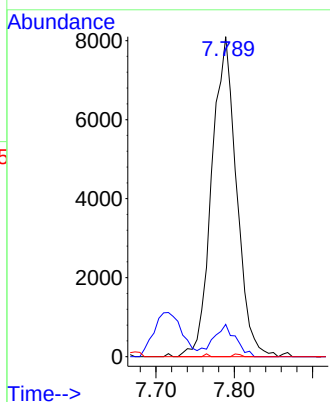
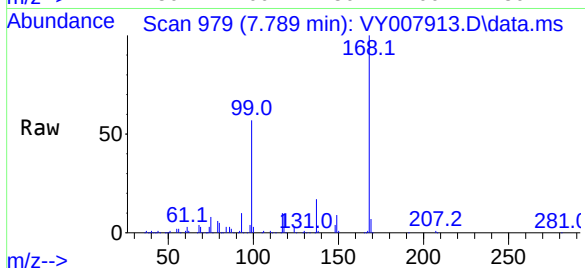
Tgt Ion: 75 Resp: 17771

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.3 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.324 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY007913.D

Acq: 18 Mar 2022 19:28

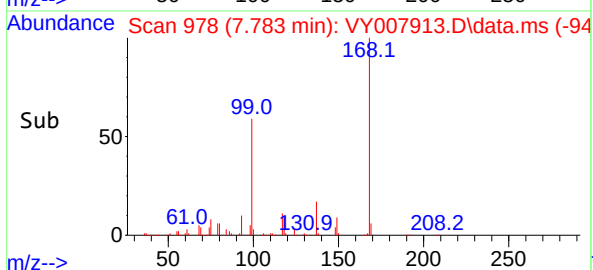
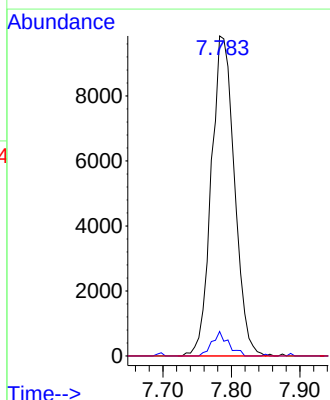
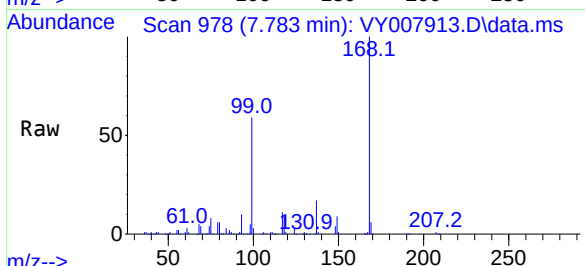
Tgt Ion: 117 Resp: 23081

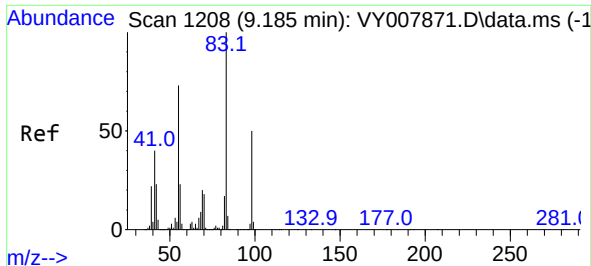
Ion Ratio Lower Upper

117 100

119 7.7 77.9 116.9#

121 0.0 24.8 37.2#

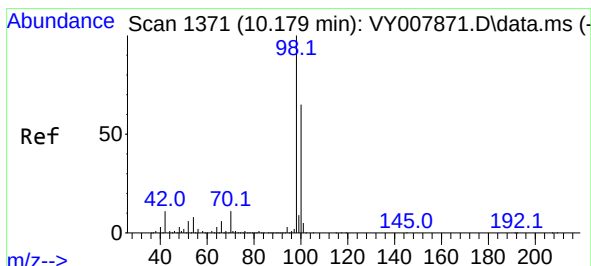
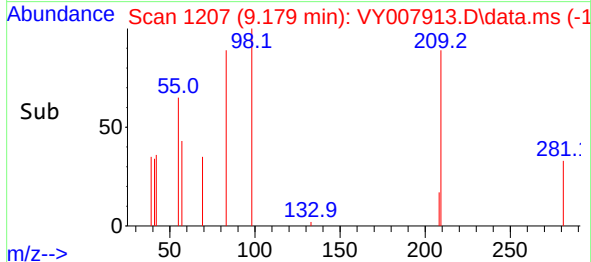
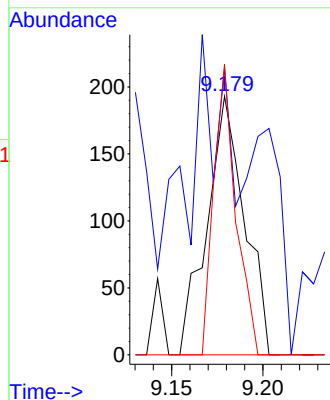
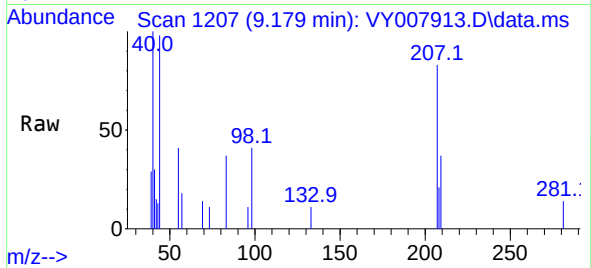




#39
Methylcyclohexane
Concen: Below Cal
RT: 9.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

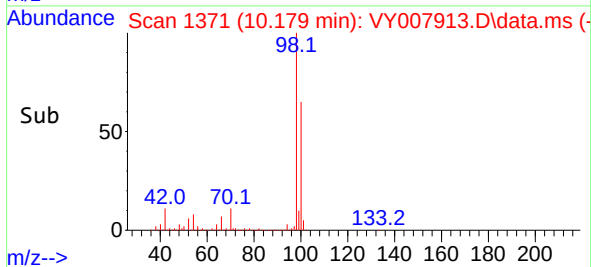
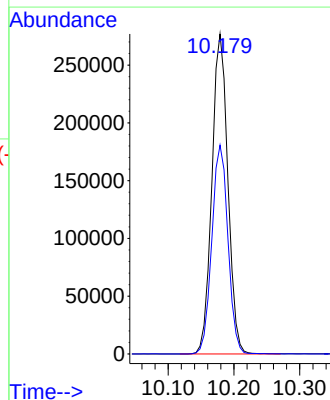
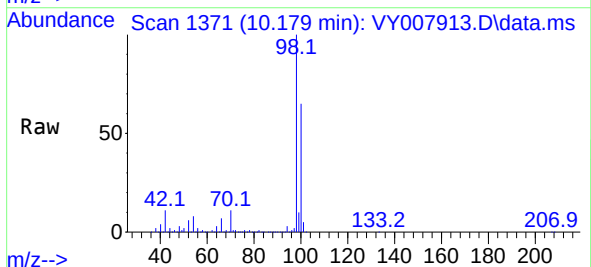
Instrument :
MSVOA_Y
ClientSampleId :
BLIND-DUPLICATE

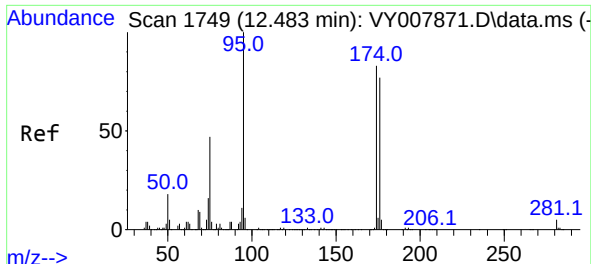
Tgt Ion: 83 Resp: 277
Ion Ratio Lower Upper
83 100
55 42.0 66.5 99.7#
98 112.4 37.9 56.9#



#50
Toluene-d8
Concen: 57.575 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

Tgt Ion: 98 Resp: 468140
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2

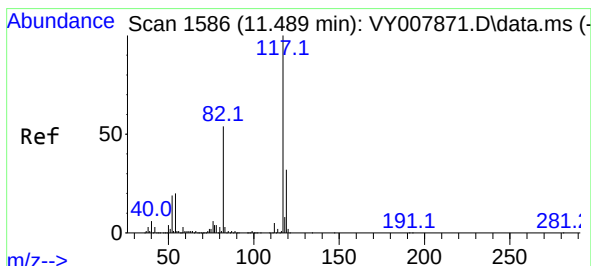
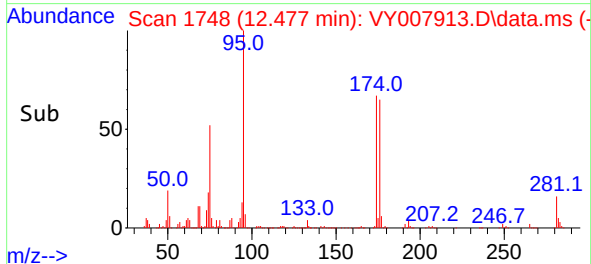
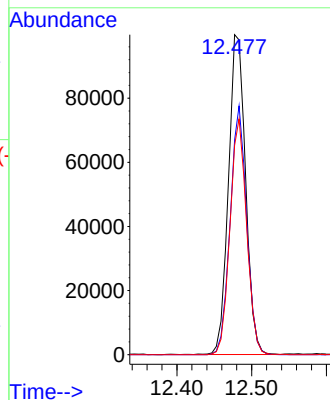
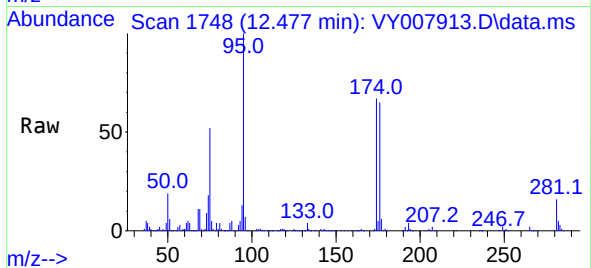




#62
4-Bromofluorobenzene
Concen: 40.603 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

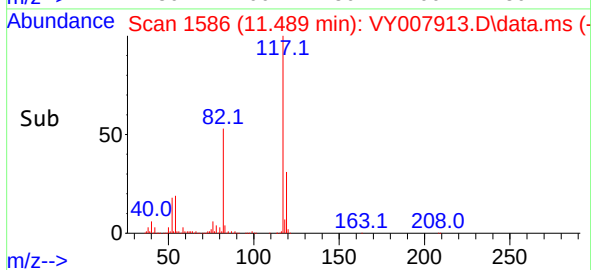
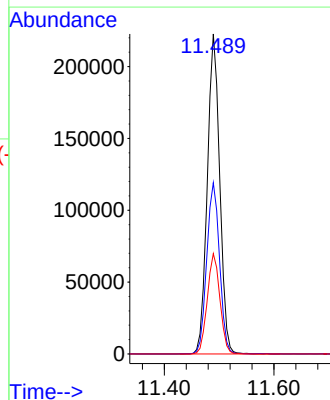
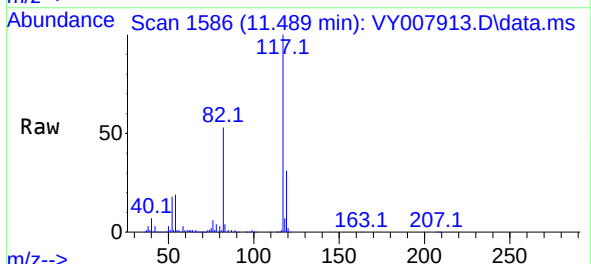
Instrument :
MSVOA_Y
ClientSampleId :
BLIND-DUPLICATE

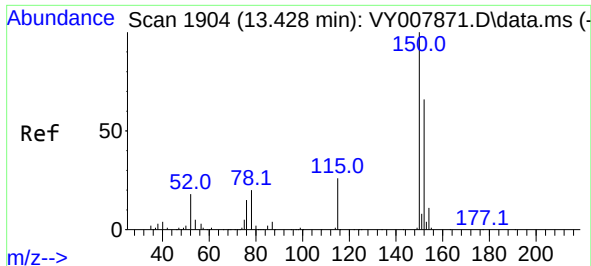
Tgt Ion: 95 Resp: 159389
Ion Ratio Lower Upper
95 100
174 74.5 0.0 177.0
176 71.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

Tgt Ion: 117 Resp: 348540
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 31.4 25.4 38.0

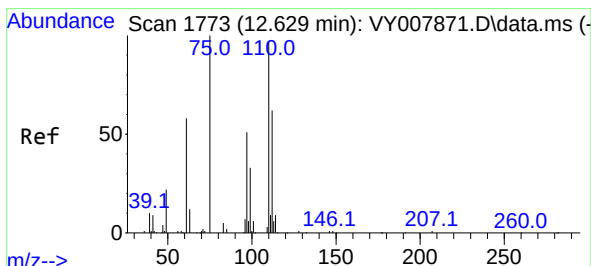
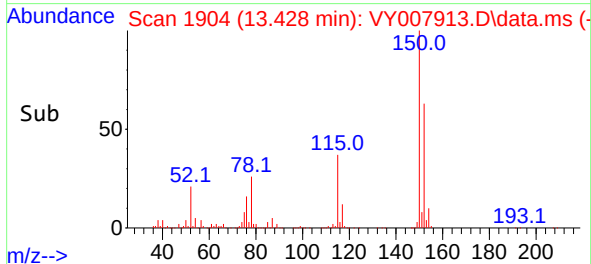
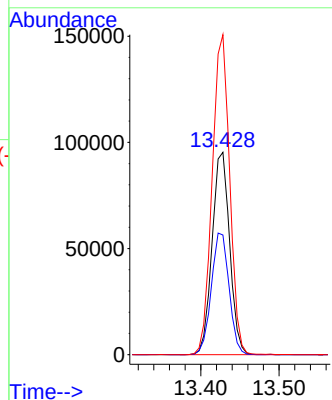
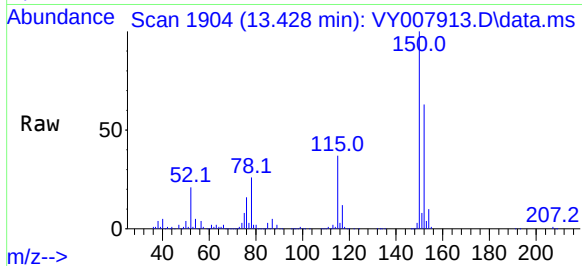




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

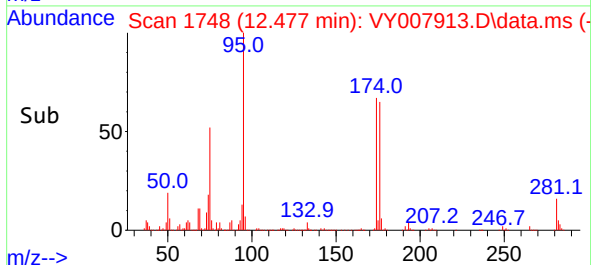
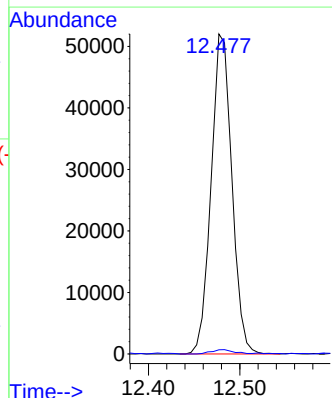
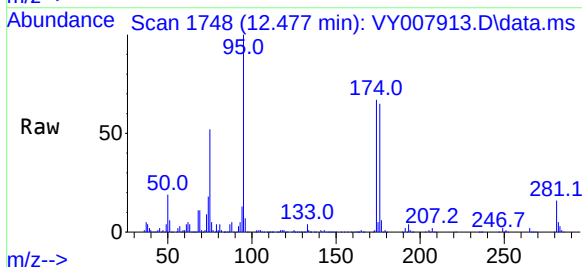
Instrument :
MSVOA_Y
ClientSampleId :
BLIND-DUPLICATE

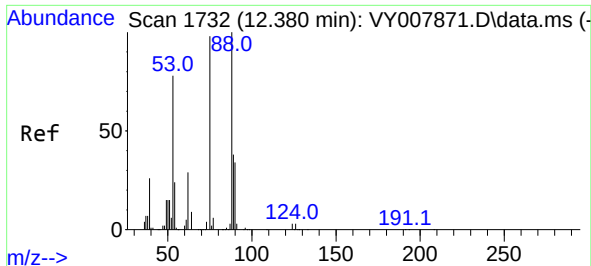
Tgt Ion:152 Resp: 148400
Ion Ratio Lower Upper
152 100
115 60.8 28.2 84.7
150 157.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 38.710 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007913.D
Acq: 18 Mar 2022 19:28

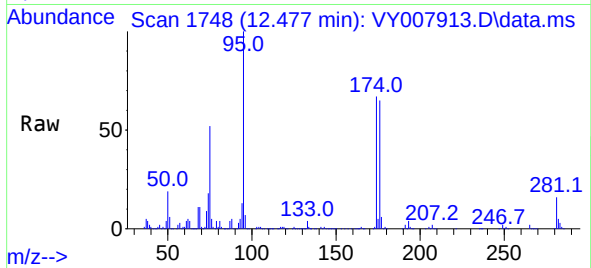
Tgt Ion: 75 Resp: 81879
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.306 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY007913.D
 Acq: 18 Mar 2022 19:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 BLIND-DUPLICATE



Tgt Ion: 75 Resp: 81879
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.3 127.9#
 89 1.0 37.0 55.4#

