

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031122\
 Data File : VY007857.D
 Acq On : 11 Mar 2022 16:13
 Operator : SY/MD
 Sample : N1848-09
 Misc : 6.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CG-B2-030722-4-5

Quant Time: Mar 11 23:23:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

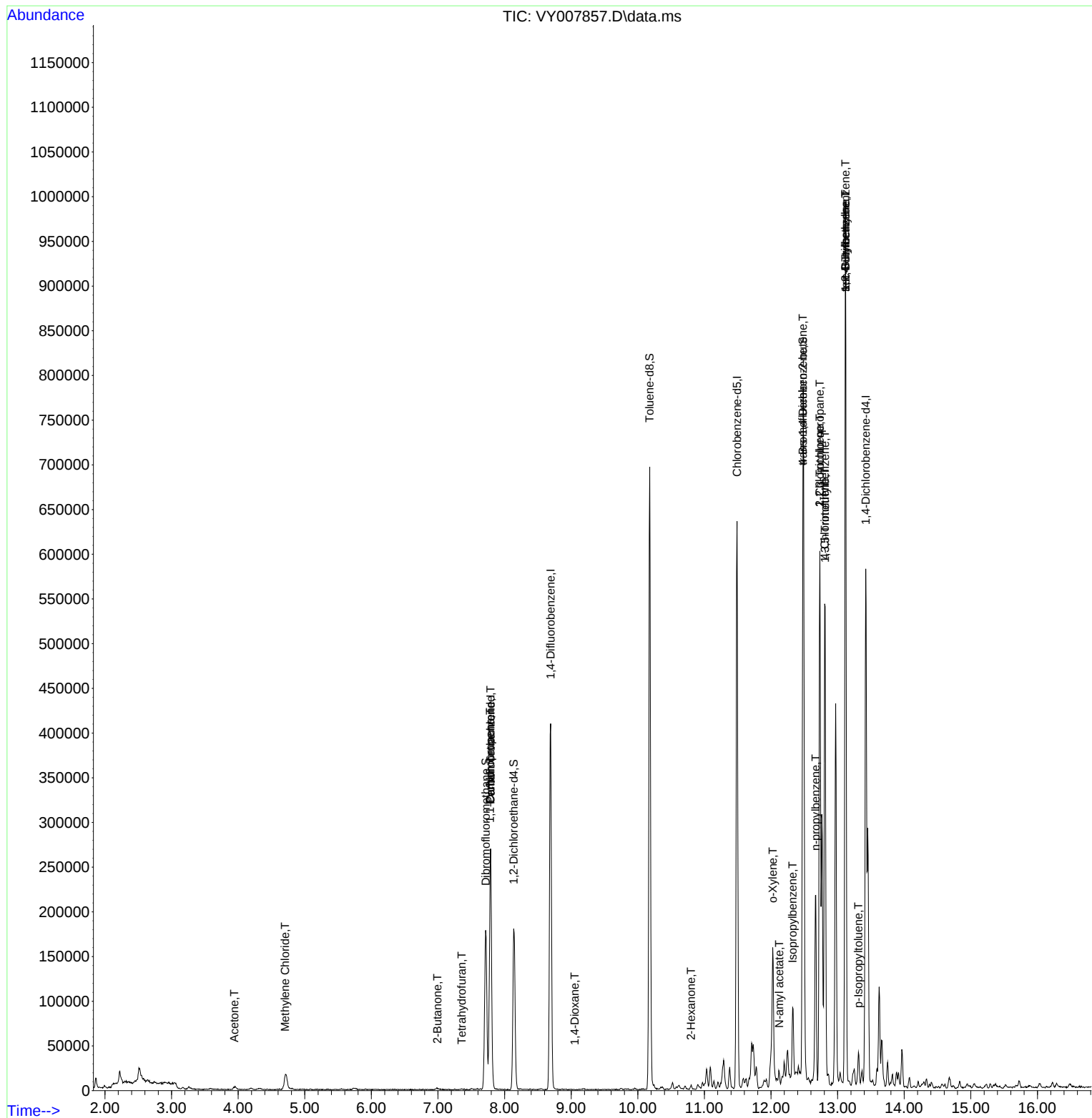
Internal Standards						
1) Pentafluorobenzene	7.789	168	195936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	351446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	329163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	140055	68.277	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.560%	
35) Dibromofluoromethane	7.716	113	121902	54.253	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.500%	
50) Toluene-d8	10.179	98	438030	52.960	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.920%	
62) 4-Bromofluorobenzene	12.477	95	132824	49.820	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.640%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	34	Below Cal	#	43
3) Chloromethane	2.119	50	1204	Below Cal	#	84
13) Acrolein	3.796	56	79	Below Cal	#	14
16) Acetone	3.942	43	5062	12.131	ug/l #	71
17) Carbon Disulfide	4.186	76	2930	Below Cal	#	75
18) Methyl Acetate	4.466	43	25	Below Cal	#	56
20) Methylene Chloride	4.704	84	11954	1.775	ug/l #	77
25) 2-Butanone	6.990	43	1793	2.561	ug/l #	80
29) Tetrahydrofuran	7.356	42	537	1.121	ug/l #	56
31) Cyclohexane	7.783	56	5291	Below Cal	#	45
36) 1,1-Dichloropropene	7.783	75	16270	4.603	ug/l #	49
38) Carbon Tetrachloride	7.789	117	20388	5.407	ug/l #	15
49) 1,4-Dioxane	9.051	88	29	1.573	ug/l #	20
59) 2-Hexanone	10.801	43	1861	1.431	ug/l #	31
69) o-Xylene	12.026	106	36331	7.726	ug/l	94
73) Isopropylbenzene	12.325	105	52080	4.789	ug/l	99
74) N-amyl acetate	12.124	43	3319	1.147	ug/l #	71
76) 1,2,3-Trichloropropane	12.733	75	3643	2.337	ug/l #	100
78) n-propylbenzene	12.672	91	162989	12.421	ug/l	97
79) 2-Chlorotoluene	12.733	91	43479	6.192	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.812	105	246648	28.367	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	82120	107.701	ug/l #	8
82) 4-Chlorotoluene	12.806	91	27720	3.838	ug/l #	41
83) tert-Butylbenzene	13.117	119	60180	7.524	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.117	105	472144	55.127	ug/l	97
85) sec-Butylbenzene	13.117	105	472144	39.907	ug/l #	56
86) p-Isopropyltoluene	13.312	119	12550	1.284	ug/l	95

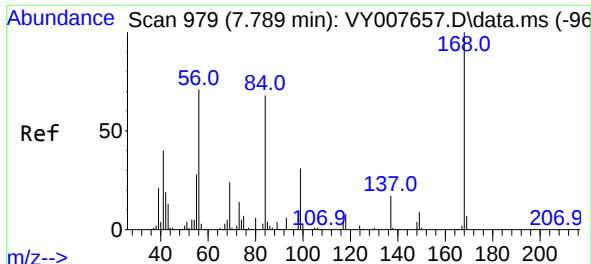
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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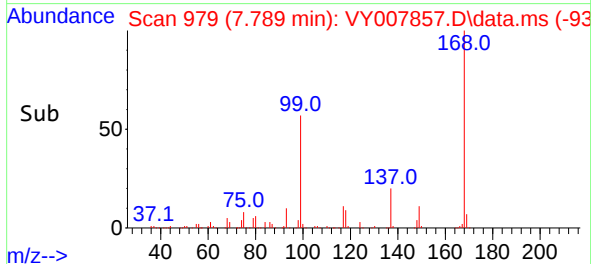
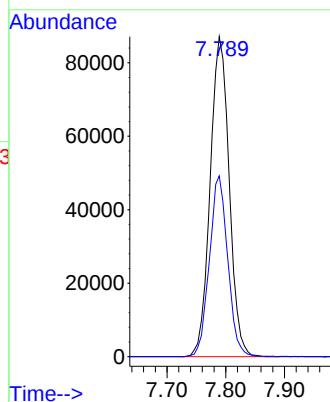
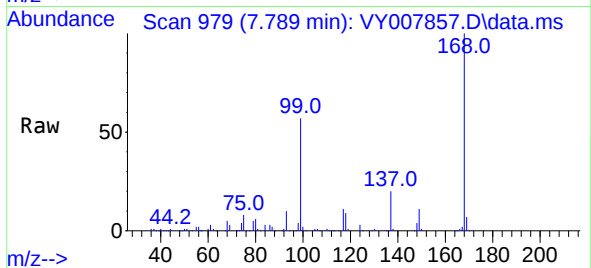




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

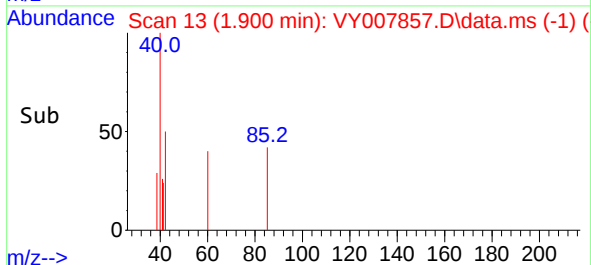
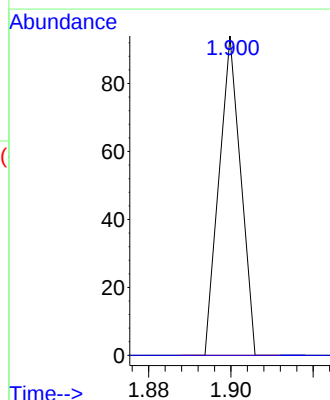
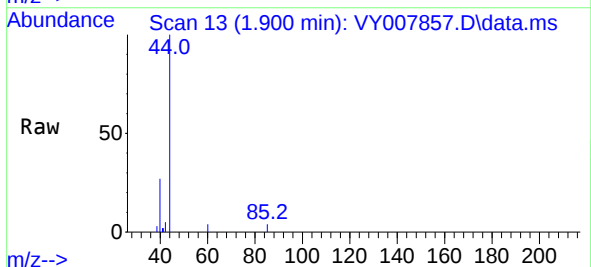
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-4-5

Tgt Ion:168 Resp: 195936
Ion Ratio Lower Upper
168 100
99 56.5 46.9 70.3

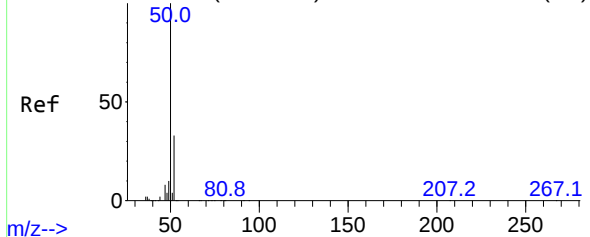


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion: 85 Resp: 34
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY007857.D

Acq: 11 Mar 2022 16:13

Instrument :

MSVOA_Y

ClientSampleId :

CG-B2-030722-4-5

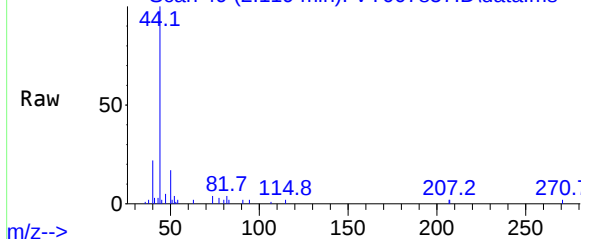
Tgt Ion: 50 Resp: 1204

Ion Ratio Lower Upper

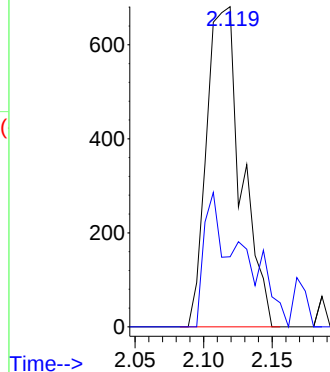
50 100

52 21.9 24.6 37.0#

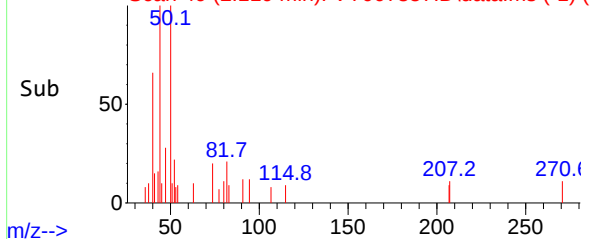
Abundance Scan 49 (2.119 min): VY007857.D\data.ms



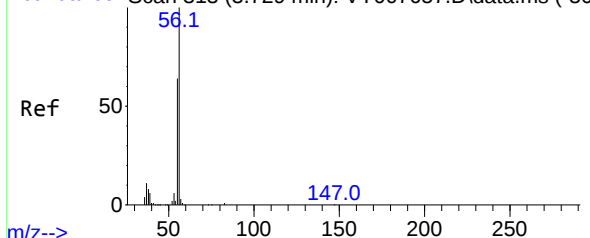
Abundance



Abundance Scan 49 (2.119 min): VY007857.D\data.ms (-1)



Abundance Scan 313 (3.729 min): VY007657.D\data.ms (-30)



#13

Acrolein

Concen: Below Cal

RT: 3.796 min Scan# 324

Delta R.T. 0.067 min

Lab File: VY007857.D

Acq: 11 Mar 2022 16:13

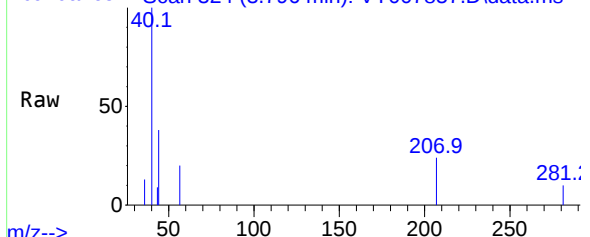
Tgt Ion: 56 Resp: 79

Ion Ratio Lower Upper

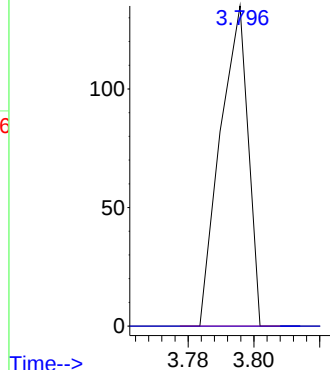
56 100

55 0.0 57.6 86.4#

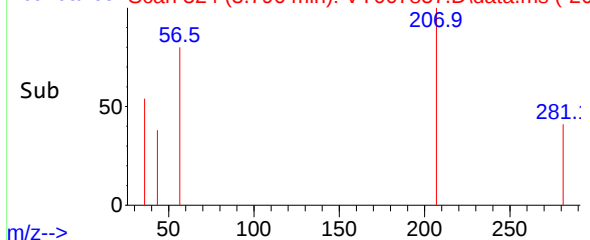
Abundance Scan 324 (3.796 min): VY007857.D\data.ms



Abundance



Abundance Scan 324 (3.796 min): VY007857.D\data.ms (-26)

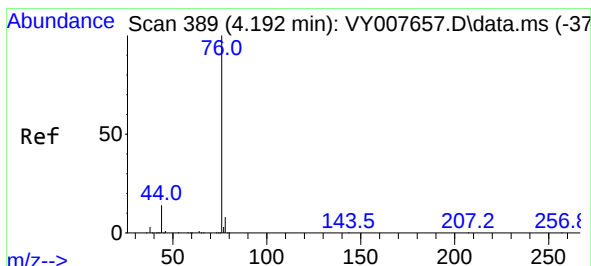
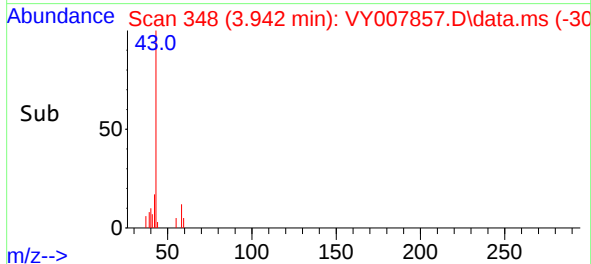
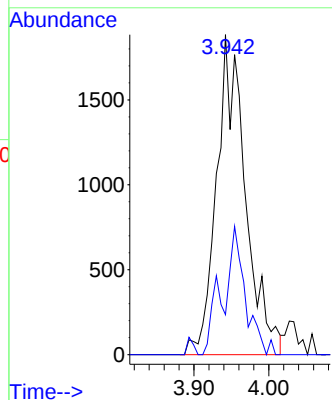
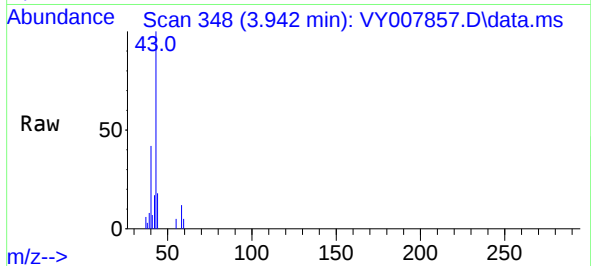




#16
Acetone
Concen: 12.131 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

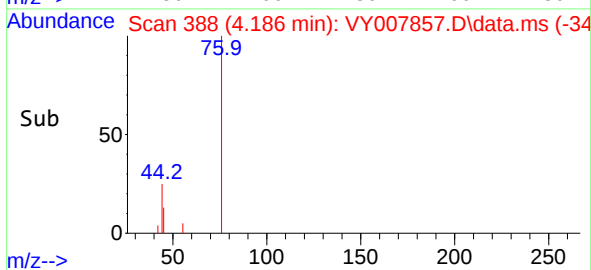
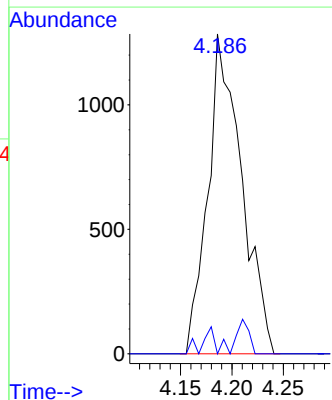
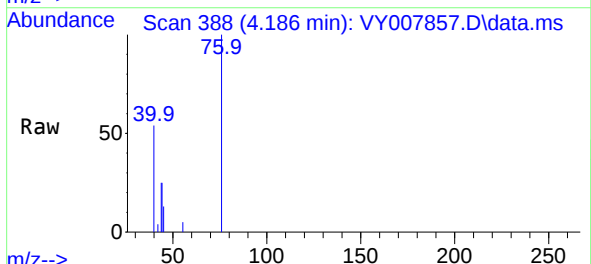
Instrument :
MSVOA_Y
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CG-B2-030722-4-5

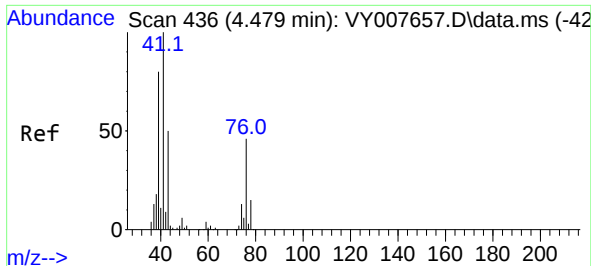
Tgt Ion: 43 Resp: 5062
Ion Ratio Lower Upper
43 100
58 12.5 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion: 76 Resp: 2930
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

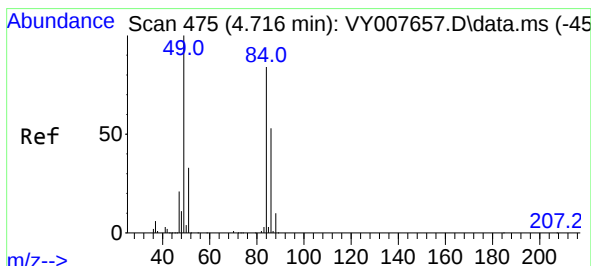
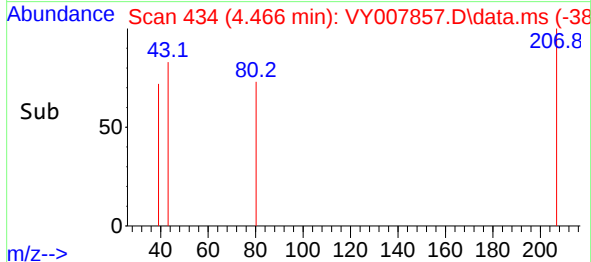
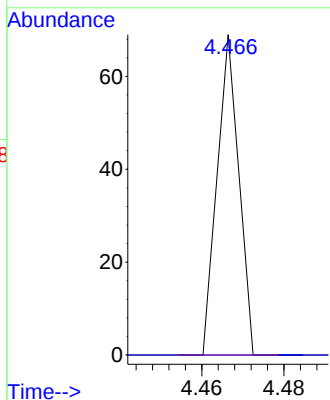
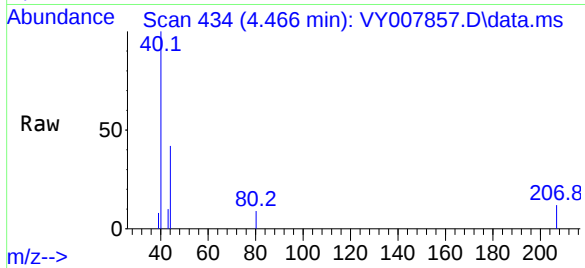




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

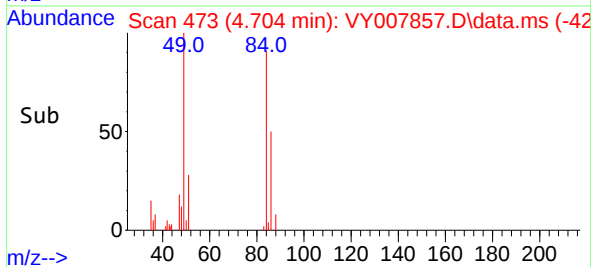
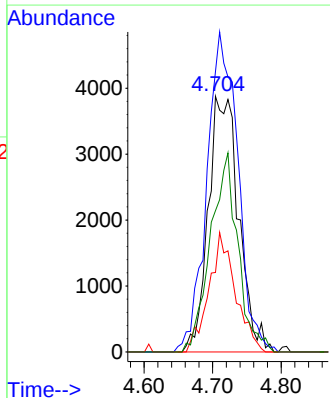
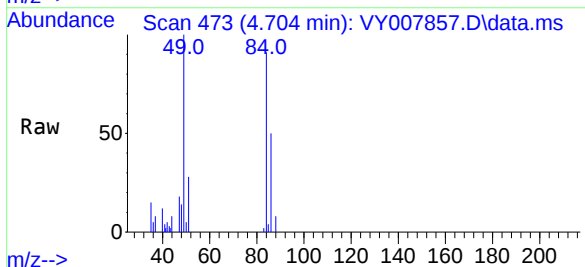
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-4-5

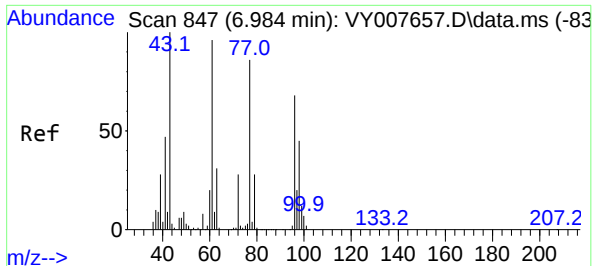
Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 1.775 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion: 84 Resp: 11954
Ion Ratio Lower Upper
84 100
49 109.7 114.4 171.6#
51 31.1 35.3 52.9#
86 55.3 53.7 80.5

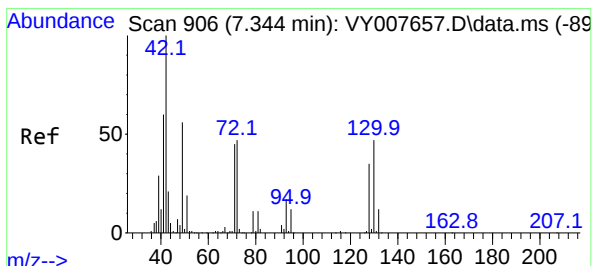
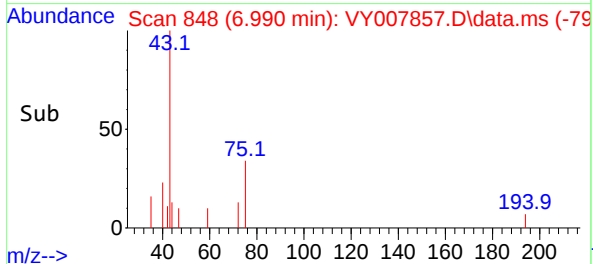
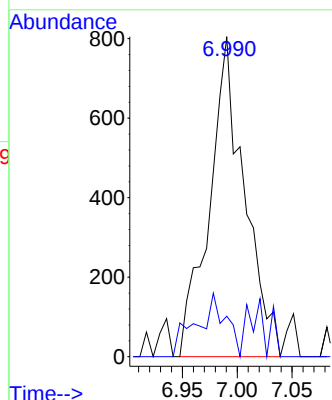
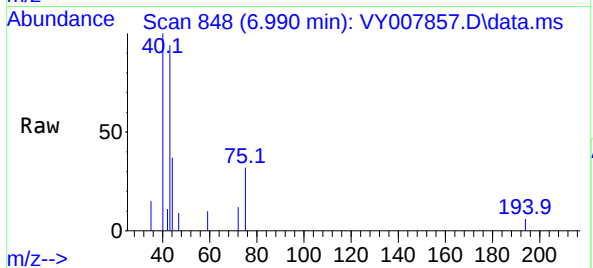




#25
2-Butanone
Concen: 2.561 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

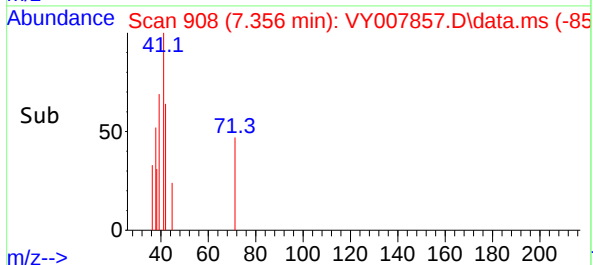
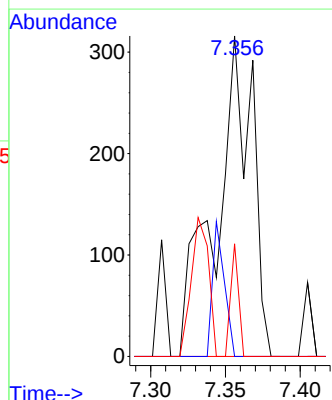
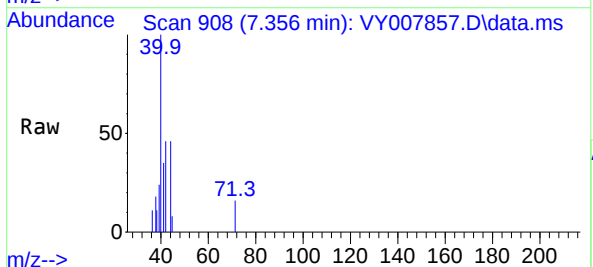
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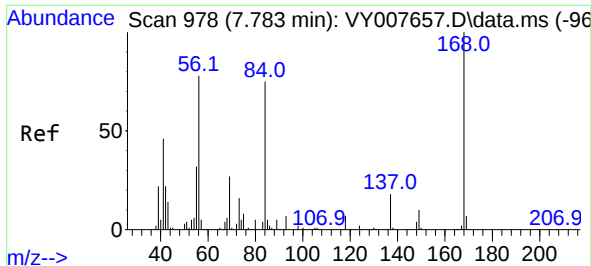
Tgt Ion: 43 Resp: 1793
Ion Ratio Lower Upper
43 100
72 12.7 17.7 26.5#



#29
Tetrahydrofuran
Concen: 1.121 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

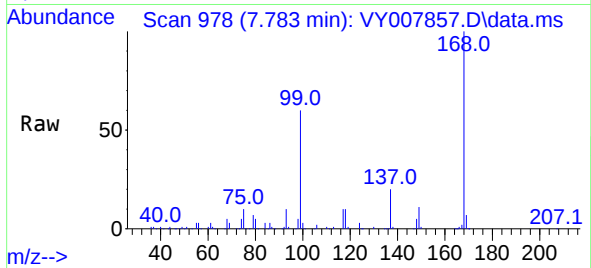
Tgt Ion: 42 Resp: 537
Ion Ratio Lower Upper
42 100
72 13.6 30.3 45.5#
71 7.6 29.0 43.4#



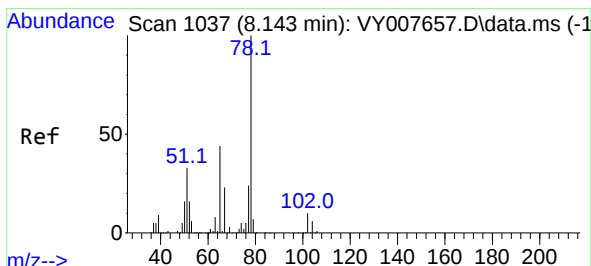
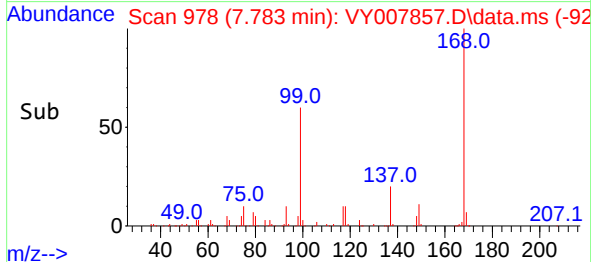
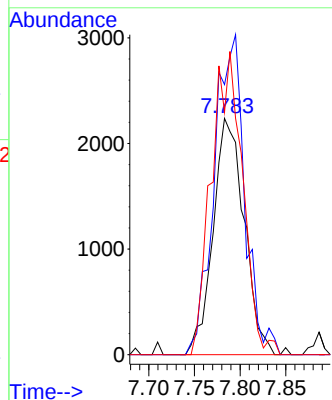


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

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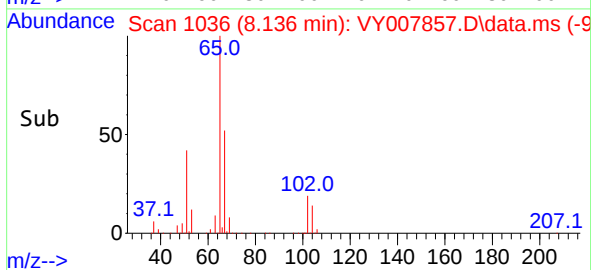
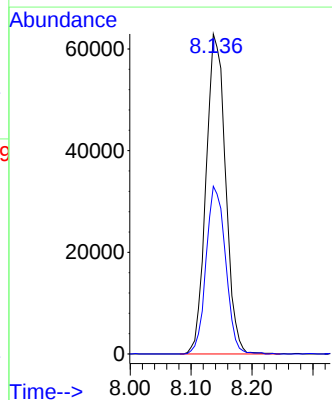
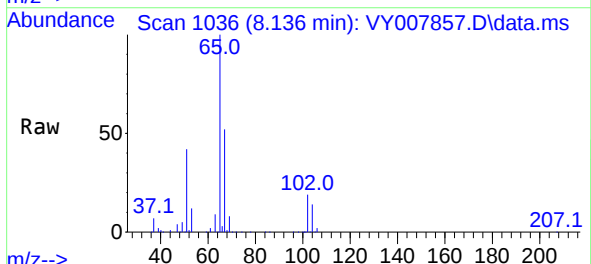


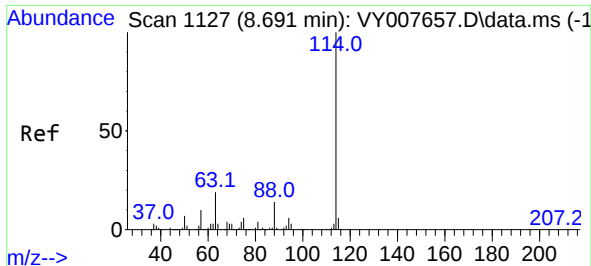
Tgt Ion: 56 Resp: 5291
Ion Ratio Lower Upper
56 100
69 114.3 26.7 40.1#
84 102.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.277 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion: 65 Resp: 140055
Ion Ratio Lower Upper
65 100
67 52.2 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: VY007857.D

Acq: 11 Mar 2022 16:13

Instrument :

MSVOA_Y

ClientSampleId :

CG-B2-030722-4-5

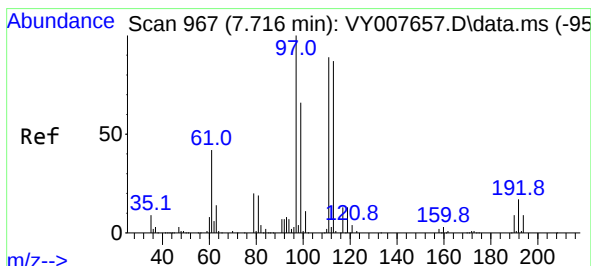
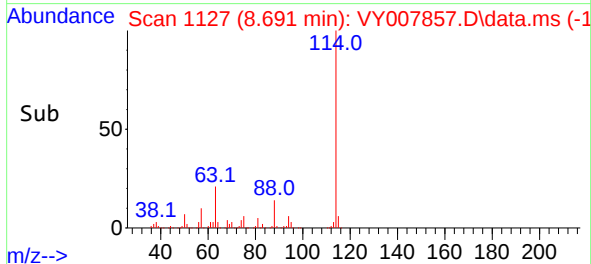
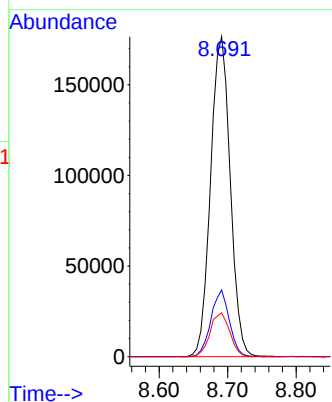
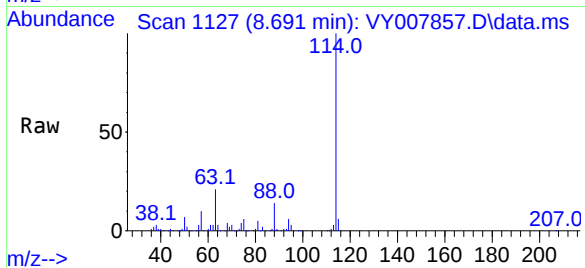
Tgt Ion:114 Resp: 351446

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.253 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007857.D

Acq: 11 Mar 2022 16:13

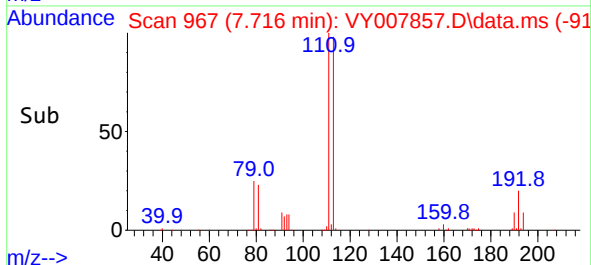
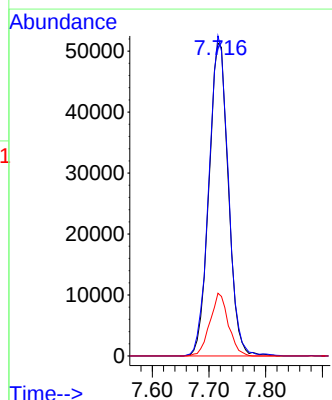
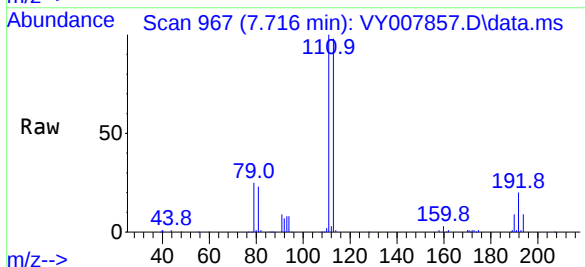
Tgt Ion:113 Resp: 121902

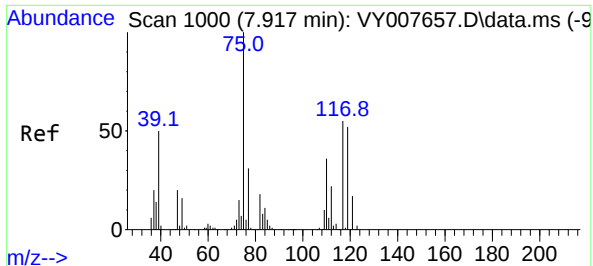
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 19.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.603 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY007857.D

Acq: 11 Mar 2022 16:13

Instrument :

MSVOA_Y

ClientSampleId :

CG-B2-030722-4-5

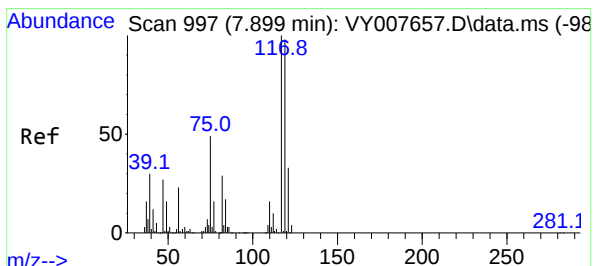
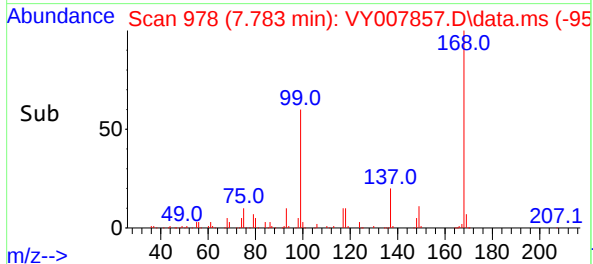
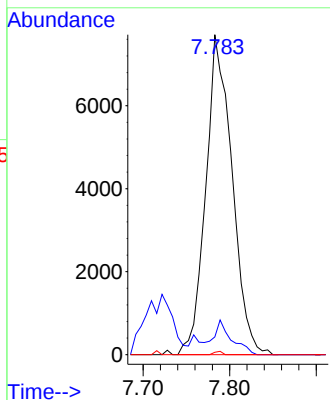
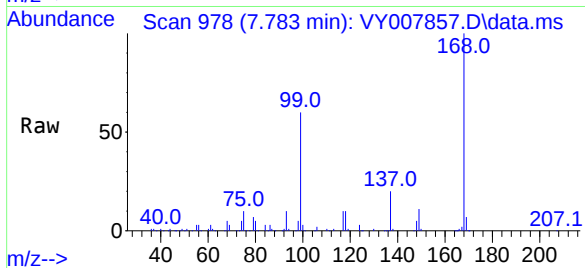
Tgt Ion: 75 Resp: 16270

Ion Ratio Lower Upper

75 100

110 7.4 17.1 51.2#

77 0.3 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.407 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007857.D

Acq: 11 Mar 2022 16:13

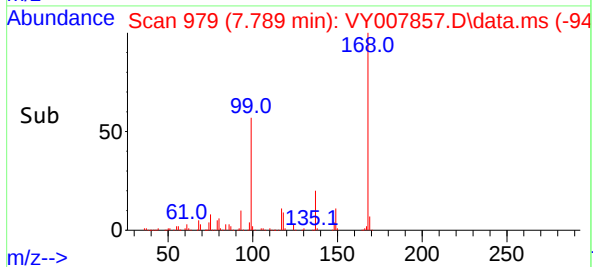
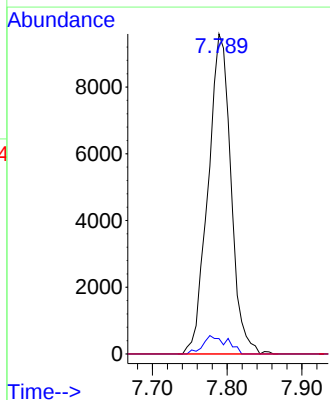
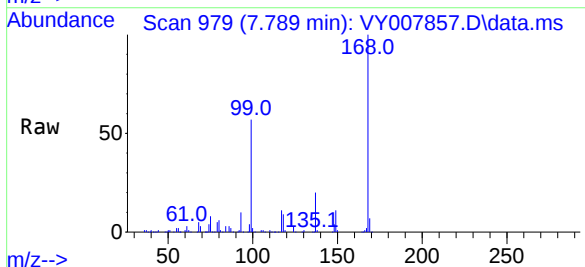
Tgt Ion: 117 Resp: 20388

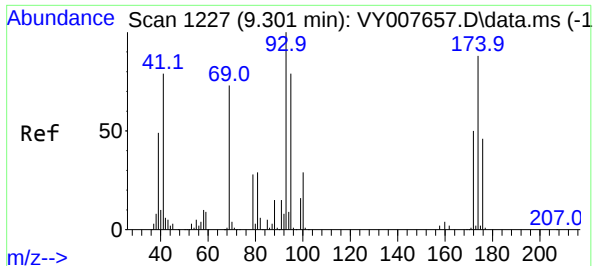
Ion Ratio Lower Upper

117 100

119 4.8 77.9 116.9#

121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 1.573 ug/l

RT: 9.051 min Scan# 1186

Delta R.T. -0.250 min

Lab File: VY007857.D

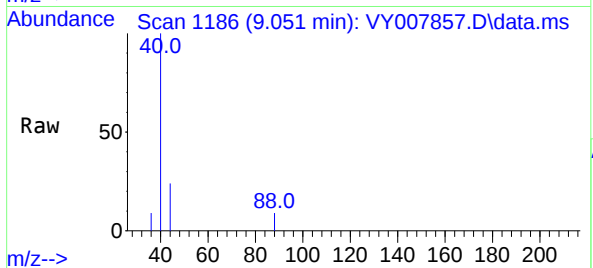
Acq: 11 Mar 2022 16:13

Instrument :

MSVOA_Y

ClientSampleId :

CG-B2-030722-4-5



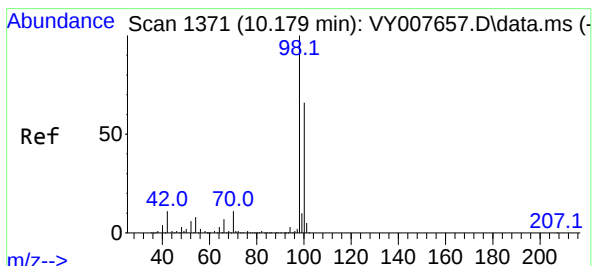
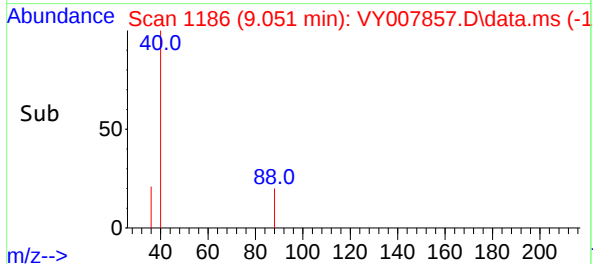
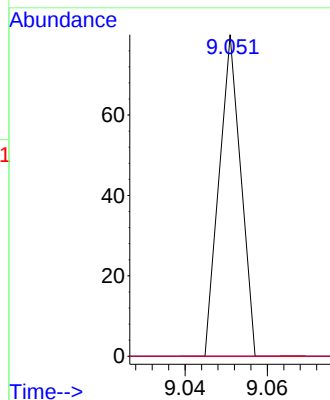
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 0.0 32.8 49.2#

58 0.0 59.8 89.6#



#50

Toluene-d8

Concen: 52.960 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007857.D

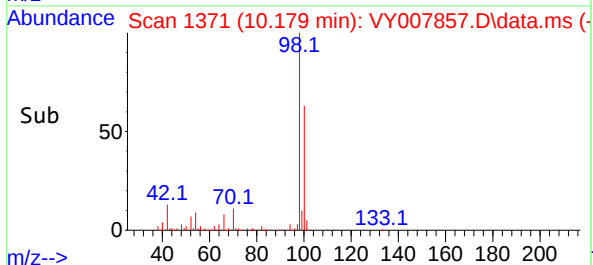
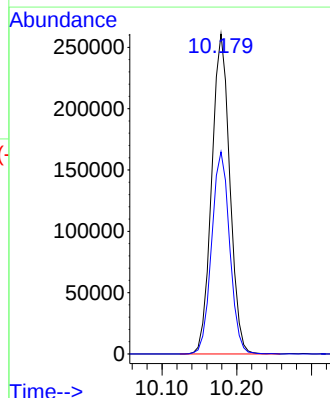
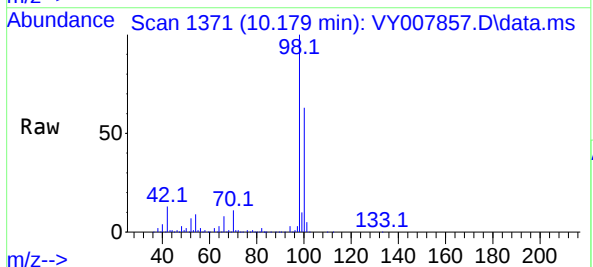
Acq: 11 Mar 2022 16:13

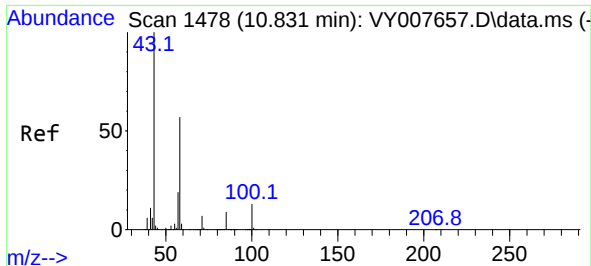
Tgt Ion: 98 Resp: 438030

Ion Ratio Lower Upper

98 100

100 63.0 50.2 75.2

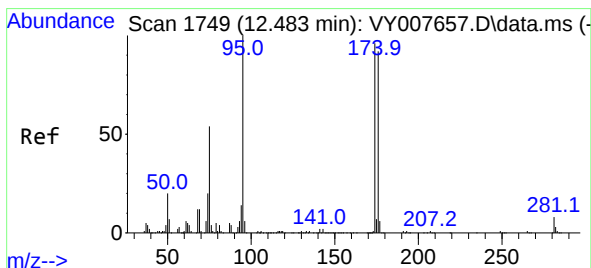
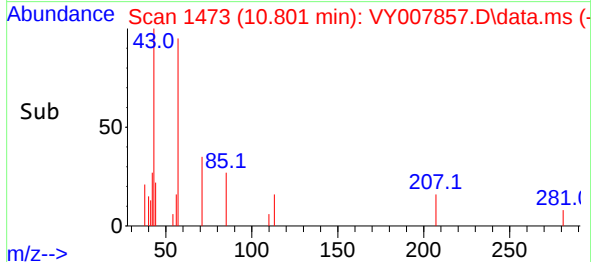
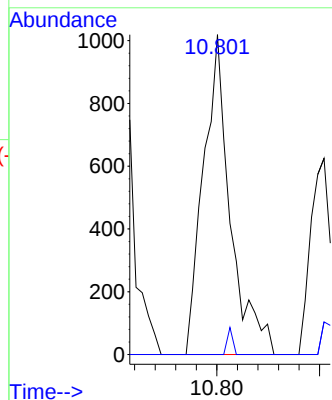
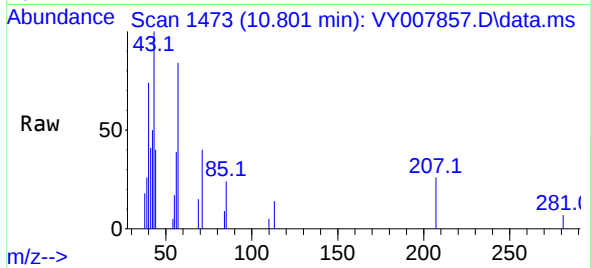




#59
2-Hexanone
Concen: 1.431 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

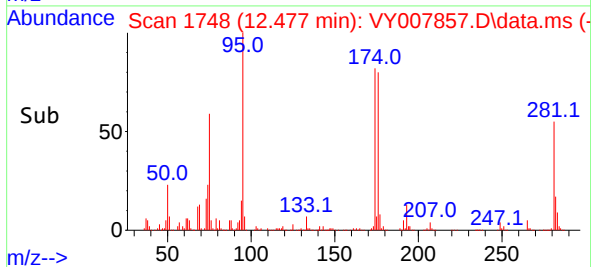
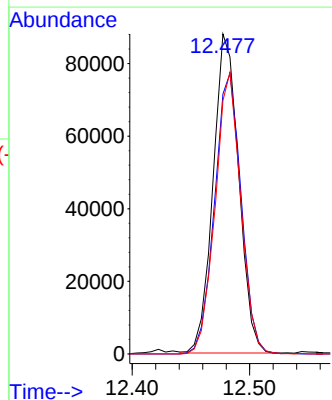
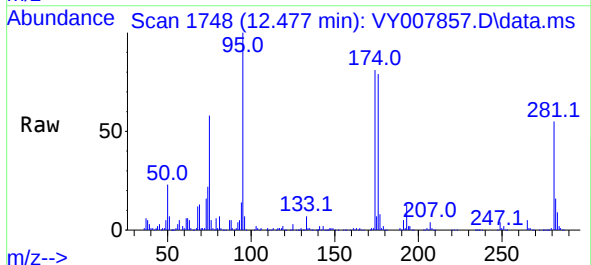
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-4-5

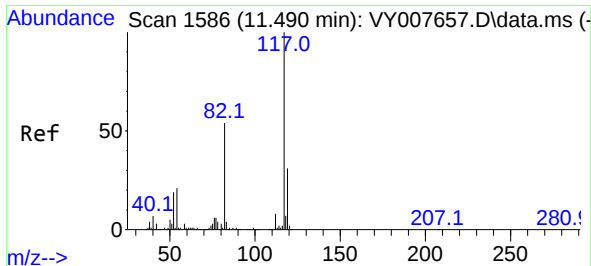
Tgt Ion: 43 Resp: 1861
Ion Ratio Lower Upper
43 100
58 1.7 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 49.820 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion: 95 Resp: 132824
Ion Ratio Lower Upper
95 100
174 91.4 0.0 177.0
176 88.0 0.0 175.8

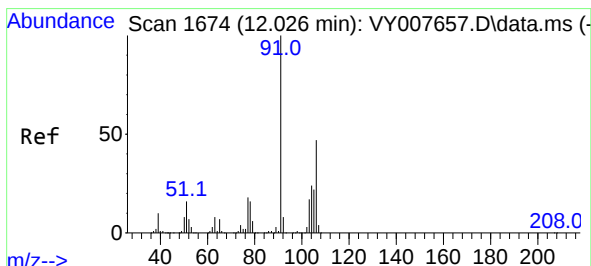
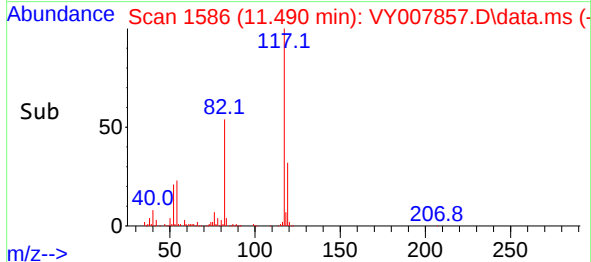
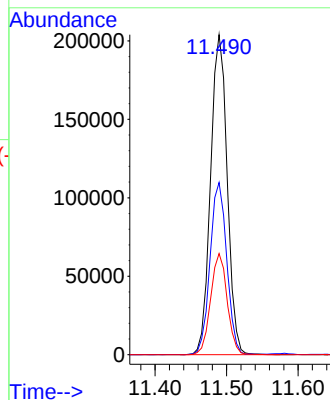
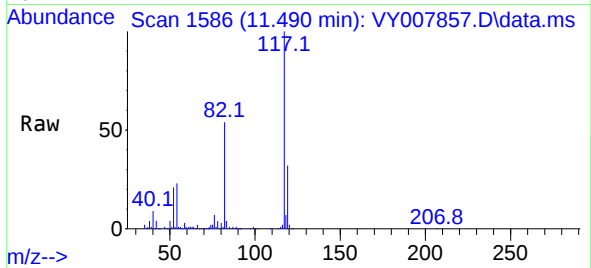




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

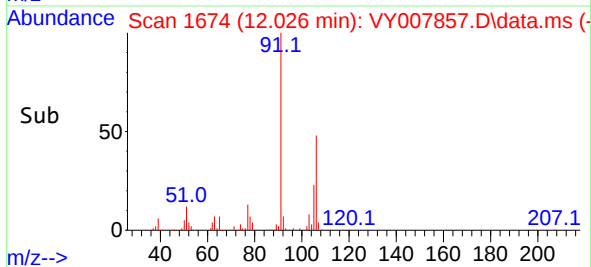
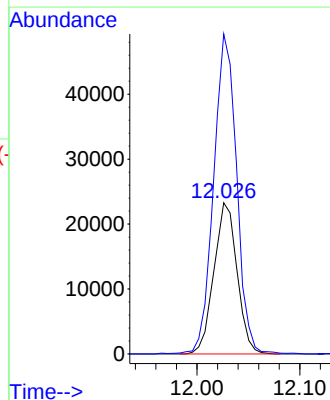
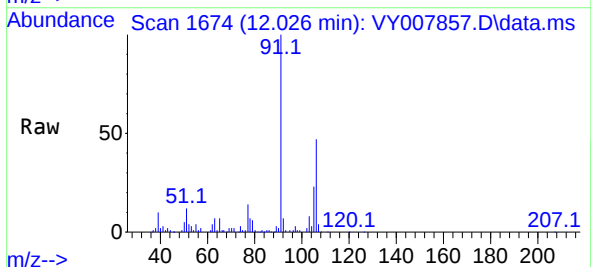
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-4-5

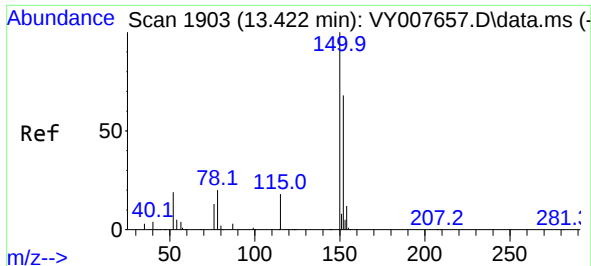
Tgt Ion:117 Resp: 329163
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 31.6 25.4 38.0



#69
o-Xylene
Concen: 7.726 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion:106 Resp: 36331
Ion Ratio Lower Upper
106 100
91 210.9 110.3 331.0

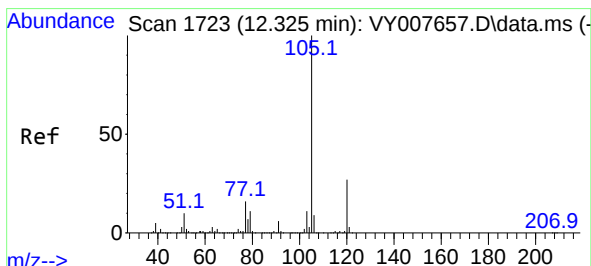
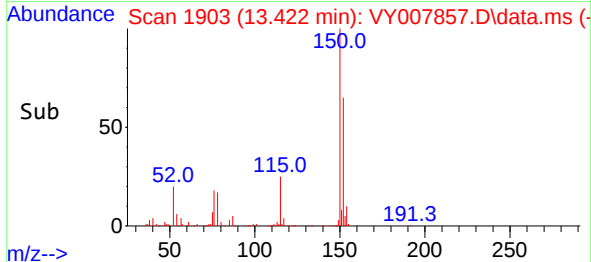
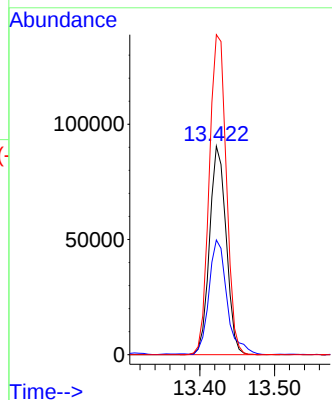
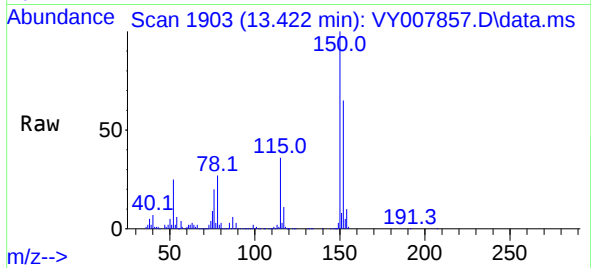




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

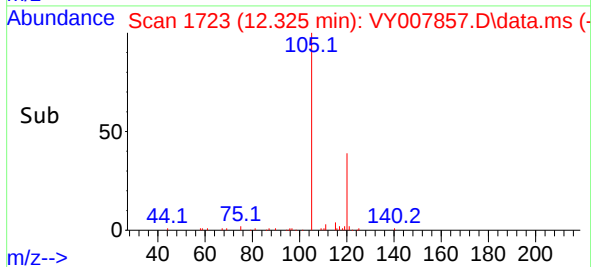
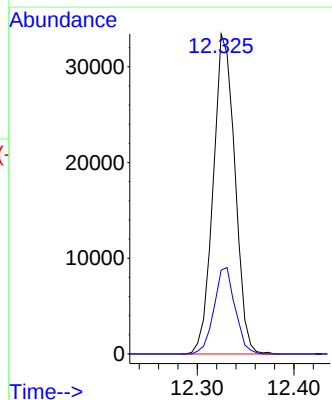
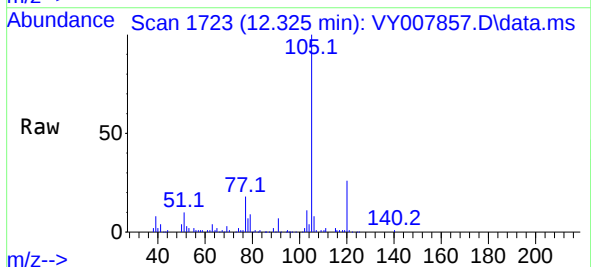
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-4-5

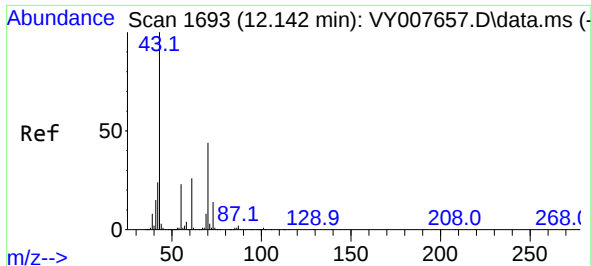
Tgt Ion:152 Resp: 139581
Ion Ratio Lower Upper
152 100
115 59.8 28.2 84.7
150 157.9 0.0 347.6



#73
Isopropylbenzene
Concen: 4.789 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion:105 Resp: 52080
Ion Ratio Lower Upper
105 100
120 26.2 13.4 40.2

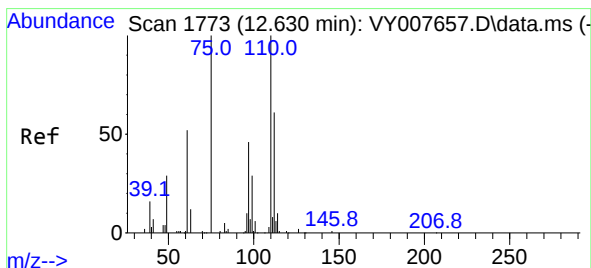
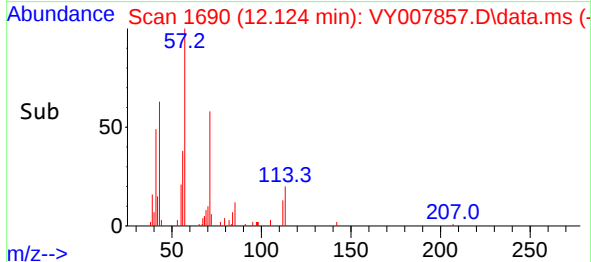
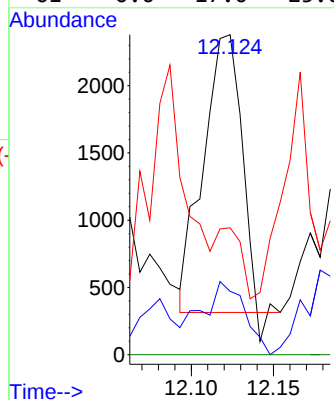
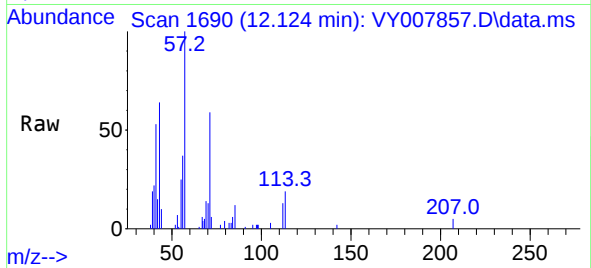




#74
N-amy1 acetate
Concen: 1.147 ug/l
RT: 12.124 min Scan# 1790
Delta R.T. -0.018 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

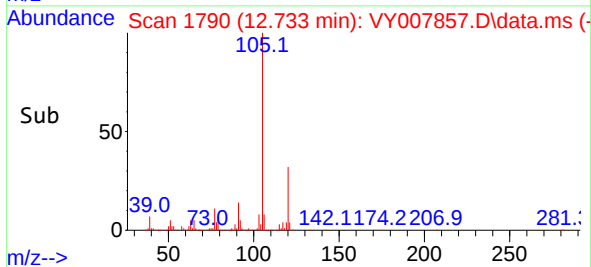
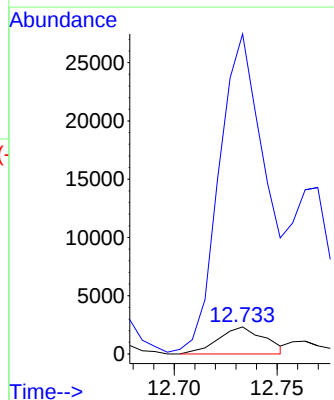
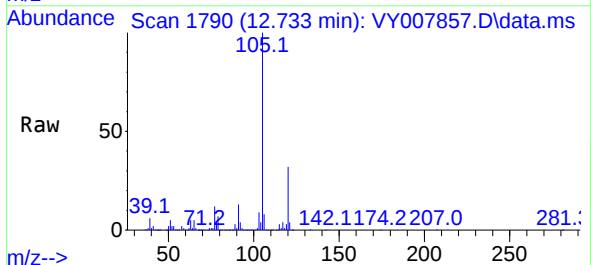
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-4-5

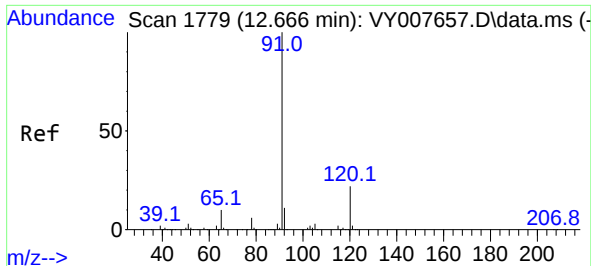
Tgt Ion:	43	Resp:	3319
Ion	Ratio	Lower	Upper
43	100		
70	30.3	28.7	43.1
55	0.0	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 2.337 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. 0.103 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion:	75	Resp:	3643
Ion	Ratio	Lower	Upper
75	100		
77	1170.3	0.0	0.0#

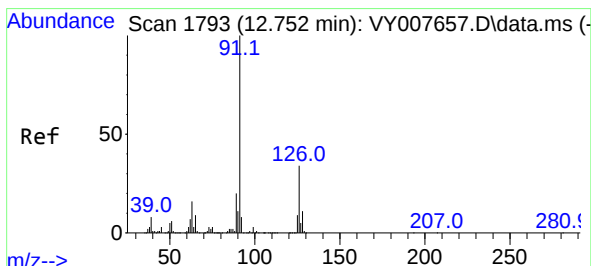
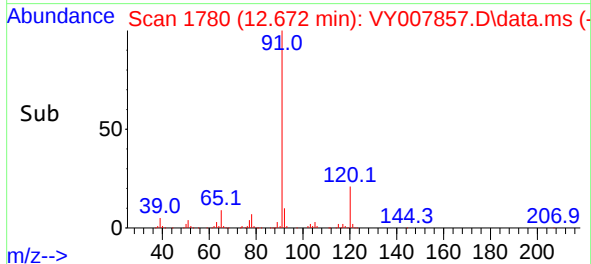
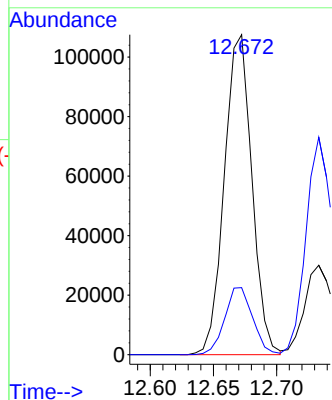
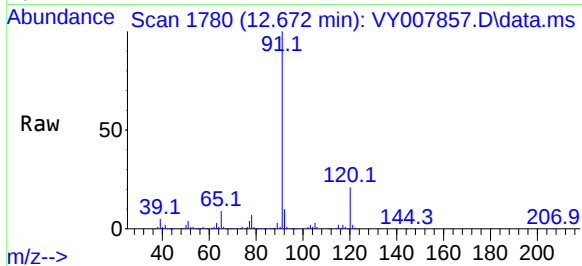




#78
n-propylbenzene
Concen: 12.421 ug/l
RT: 12.672 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

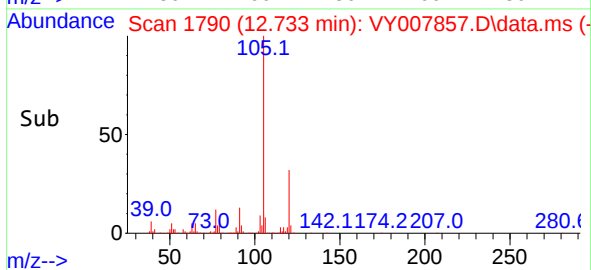
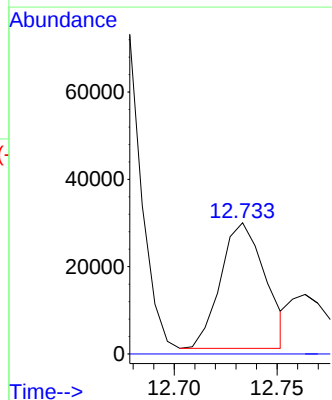
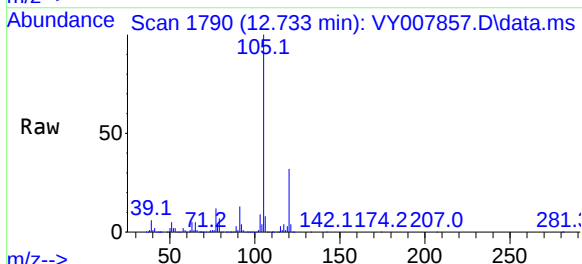
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-4-5

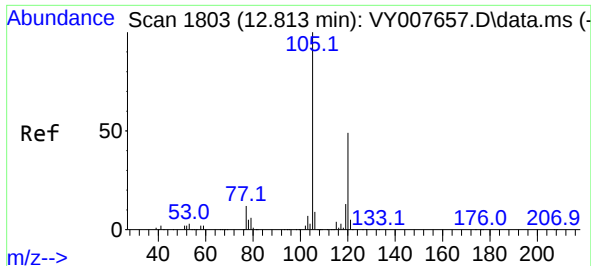
Tgt Ion: 91 Resp: 162989
Ion Ratio Lower Upper
91 100
120 21.3 11.3 33.9



#79
2-Chlorotoluene
Concen: 6.192 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. -0.019 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion: 91 Resp: 43479
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

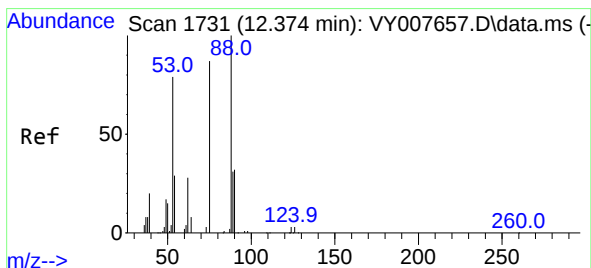
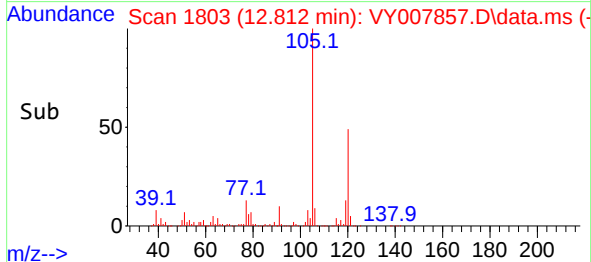
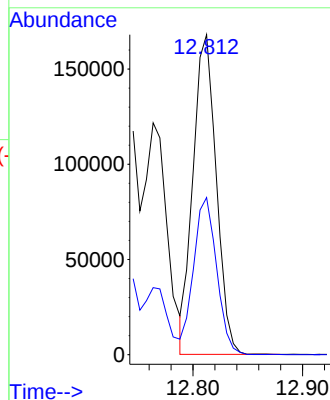
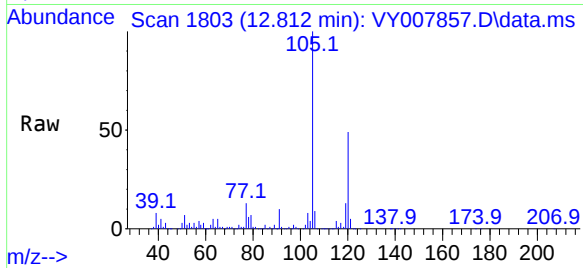




#80
1,3,5-Trimethylbenzene
Concen: 28.367 ug/l
RT: 12.812 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

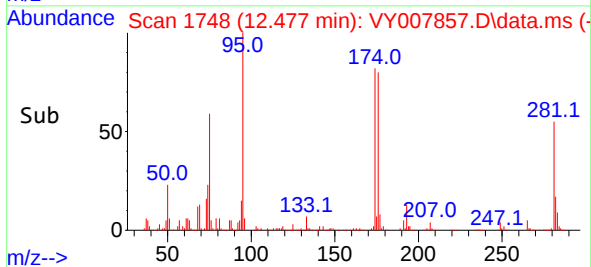
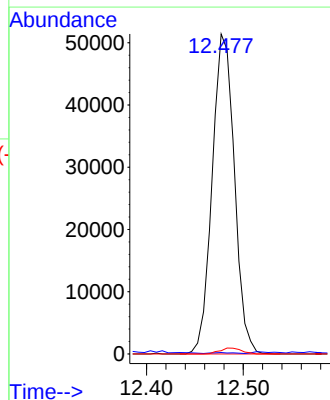
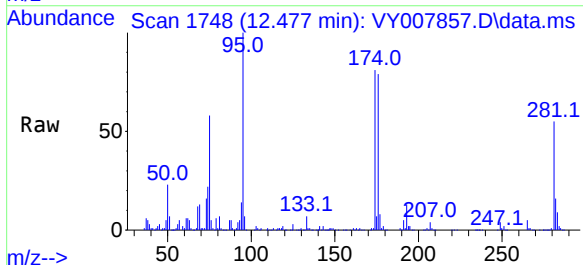
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-4-5

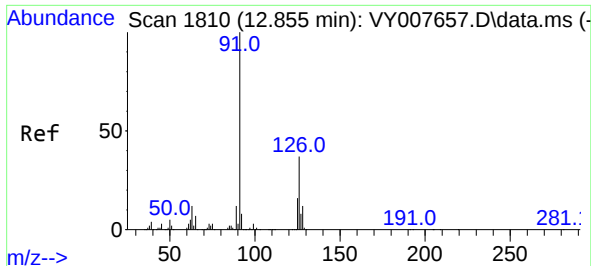
Tgt Ion:105 Resp: 246648
Ion Ratio Lower Upper
105 100
120 48.9 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 107.701 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion: 75 Resp: 82120
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 1.8 37.0 55.4#

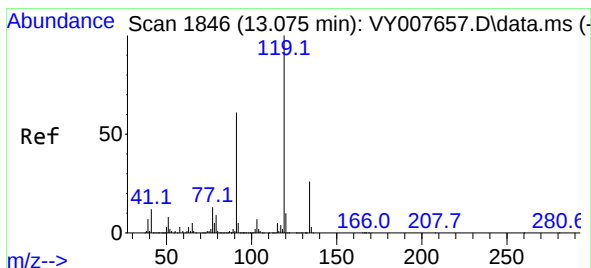
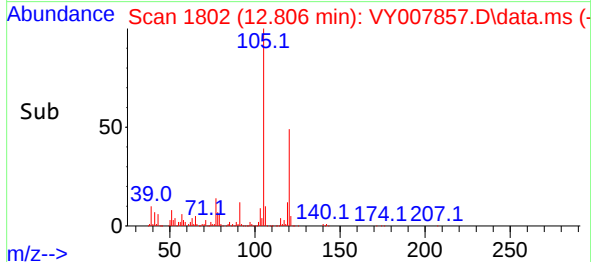
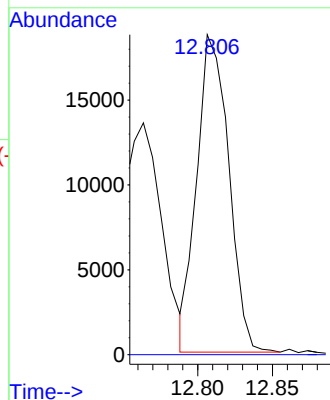
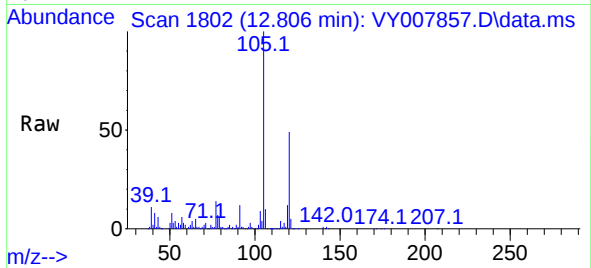




#82
4-Chlorotoluene
Concen: 3.838 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.049 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

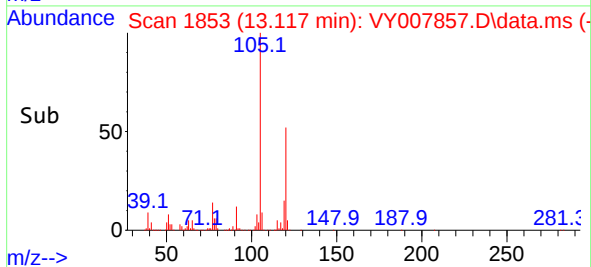
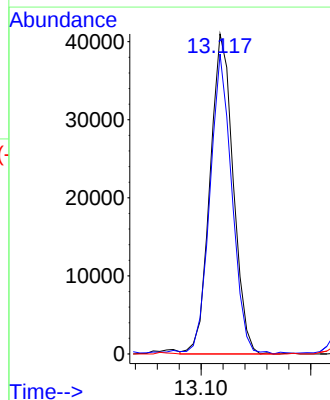
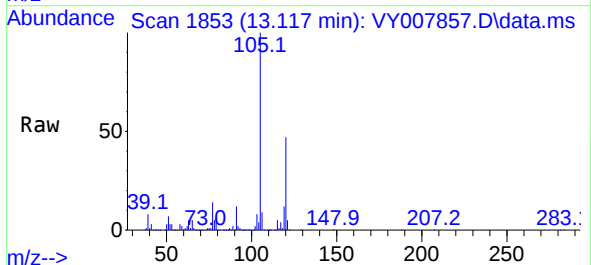
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-4-5

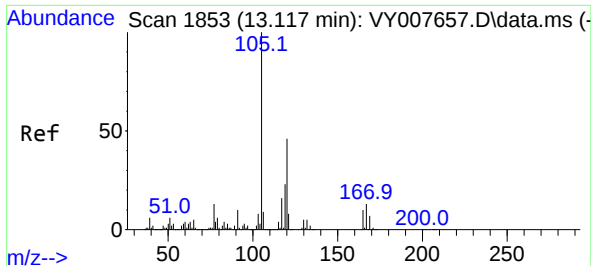
Tgt Ion: 91 Resp: 27720
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#83
tert-Butylbenzene
Concen: 7.524 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.042 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion: 119 Resp: 60180
Ion Ratio Lower Upper
119 100
91 89.6 34.8 104.4
134 0.0 13.3 39.9#

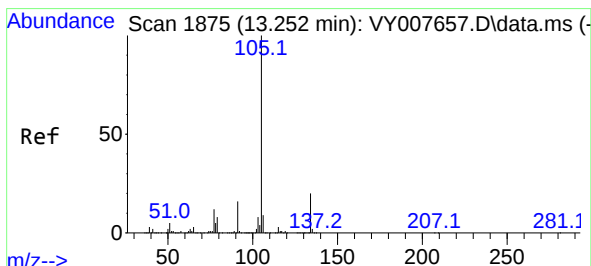
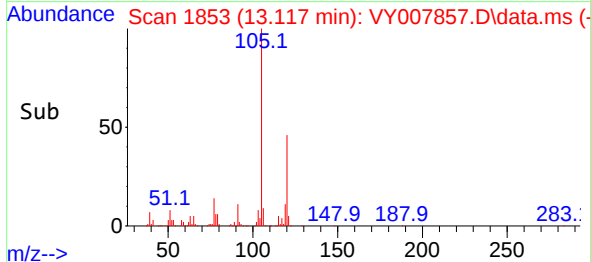
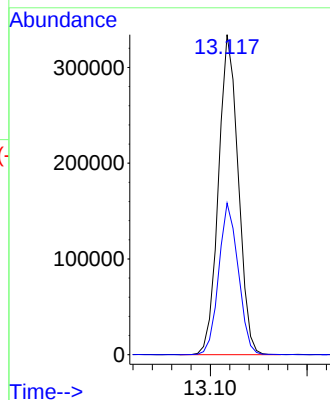
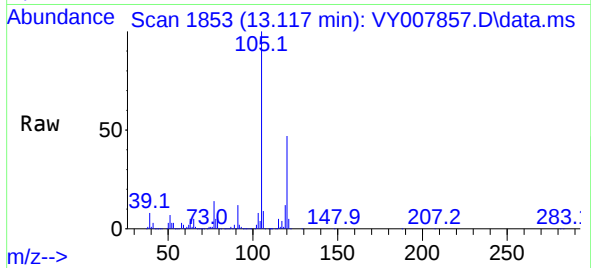




#84
1,2,4-Trimethylbenzene
Concen: 55.127 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

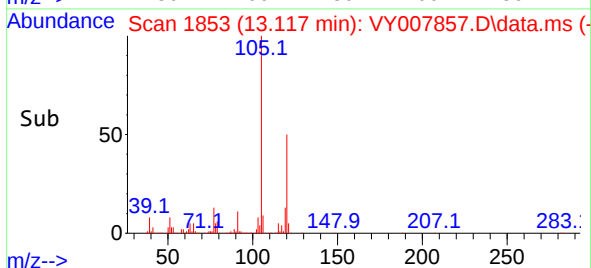
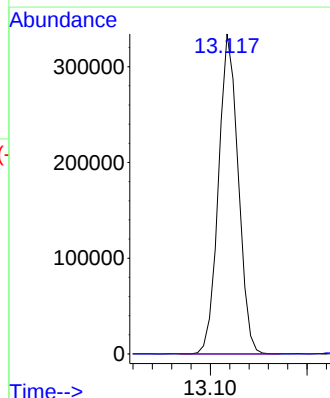
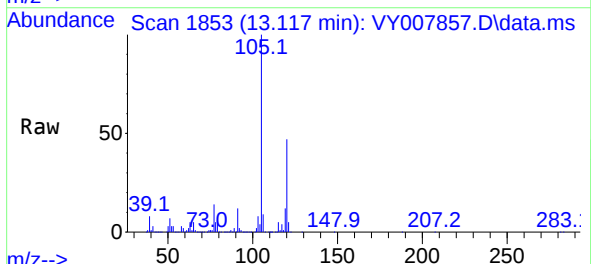
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-4-5

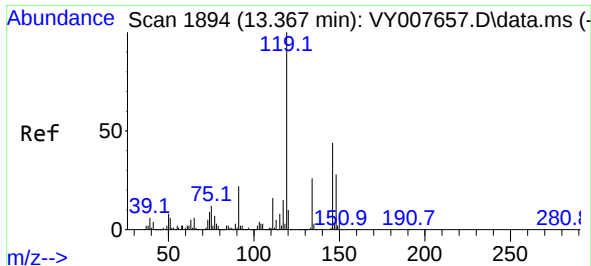
Tgt Ion:105 Resp: 472144
Ion Ratio Lower Upper
105 100
120 46.9 22.3 66.9



#85
sec-Butylbenzene
Concen: 39.907 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.135 min
Lab File: VY007857.D
Acq: 11 Mar 2022 16:13

Tgt Ion:105 Resp: 472144
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#86
 p-Isopropyltoluene
 Concen: 1.284 ug/l
 RT: 13.312 min Scan# 11
 Delta R.T. -0.055 min
 Lab File: VY007857.D
 Acq: 11 Mar 2022 16:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 CG-B2-030722-4-5

Tgt Ion:119 Resp: 12550
 Ion Ratio Lower Upper
 119 100
 134 31.4 13.2 39.5
 91 24.6 12.4 37.2

