

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031122\
 Data File : VY007856.D
 Acq On : 11 Mar 2022 15:50
 Operator : SY/MD
 Sample : N1848-07
 Misc : 8.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CG-B2-030722-0-1

Quant Time: Mar 11 23:22:49 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)

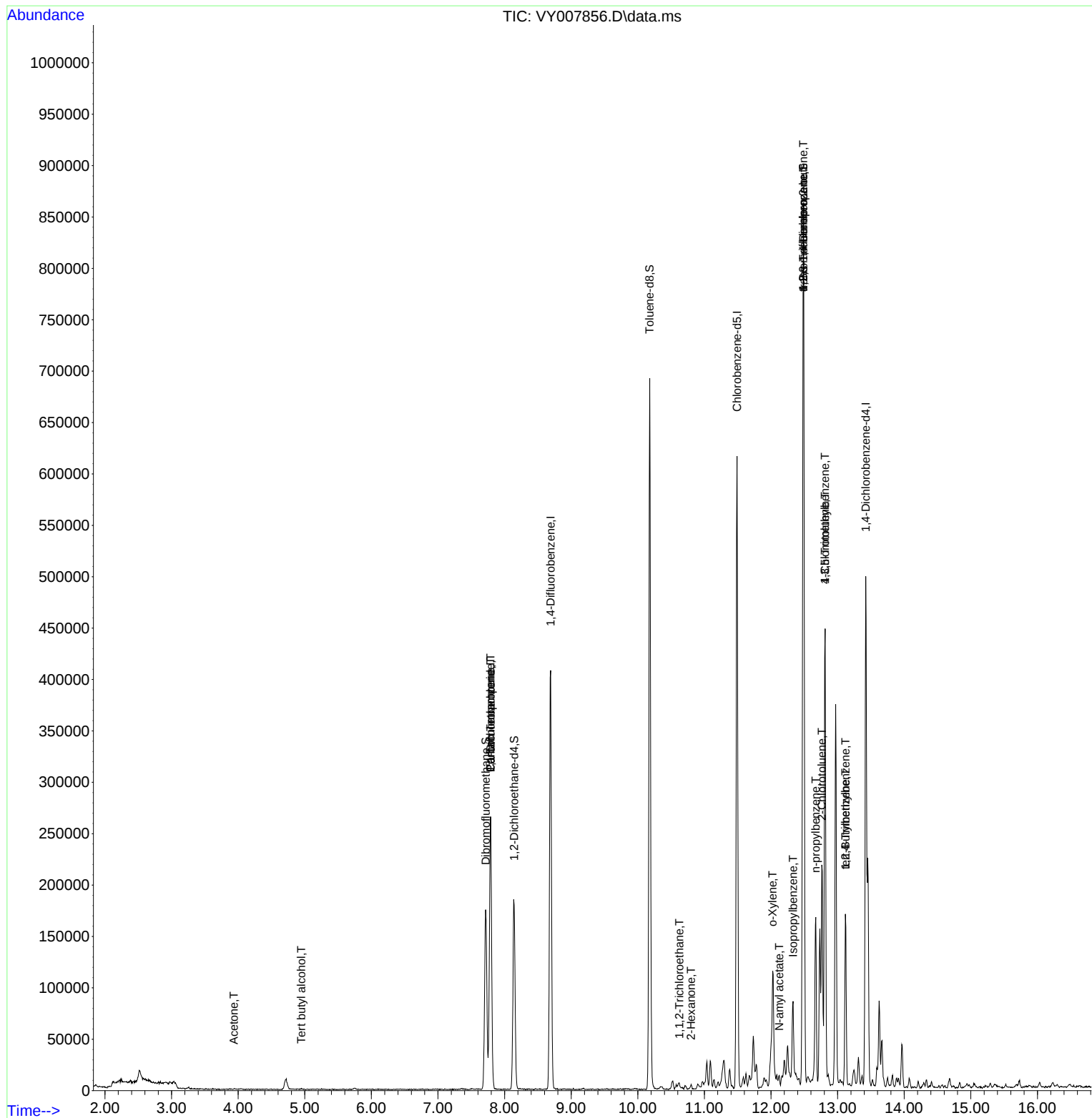
Internal Standards						
1) Pentafluorobenzene	7.789	168	200759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	345954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	314573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	137262	65.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.620%			
35) Dibromofluoromethane	7.716	113	118237	53.458	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.920%			
50) Toluene-d8	10.179	98	427305	52.483	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.960%			
62) 4-Bromofluorobenzene	12.483	95	122349	46.619	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.240%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	1320	Below Cal	#	77
11) Tert butyl alcohol	4.948	59	277	1.522	ug/l #	77
13) Acrolein	3.735	56	50	Below Cal	#	78
16) Acetone	3.936	43	1159	2.711	ug/l	95
17) Carbon Disulfide	4.198	76	184	Below Cal	#	75
18) Methyl Acetate	4.491	43	156	Below Cal	#	84
20) Methylene Chloride	4.722	84	6811	Below Cal		84
31) Cyclohexane	7.795	56	5185	Below Cal	#	53
36) 1,1-Dichloropropene	7.789	75	16541	4.754	ug/l #	52
38) Carbon Tetrachloride	7.789	117	20194	5.441	ug/l #	15
55) 1,1,2-Trichloroethane	10.624	97	2209	1.080	ug/l #	19
59) 2-Hexanone	10.801	43	1682	1.313	ug/l #	28
69) o-Xylene	12.026	106	27354	6.087	ug/l	91
73) Isopropylbenzene	12.331	105	46793	5.164	ug/l	99
74) N-amyl acetate	12.124	43	2867	1.189	ug/l #	72
76) 1,2,3-Trichloropropane	12.483	75	76892	59.192	ug/l #	100
78) n-propylbenzene	12.672	91	119213	10.902	ug/l	99
79) 2-Chlorotoluene	12.764	91	16027	2.739	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.812	105	211212	29.149	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	76892	121.010	ug/l #	8
82) 4-Chlorotoluene	12.812	91	24815	4.123	ug/l #	41
83) tert-Butylbenzene	13.117	119	10983	1.648	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.117	105	83699	11.727	ug/l	98

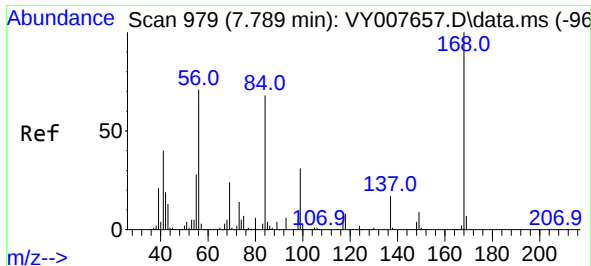
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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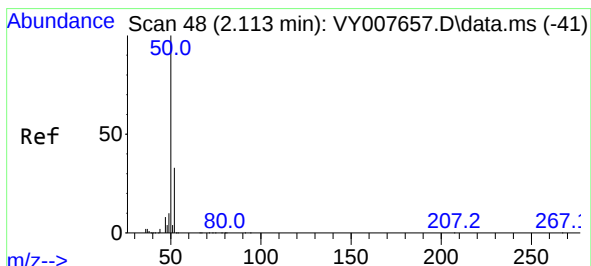
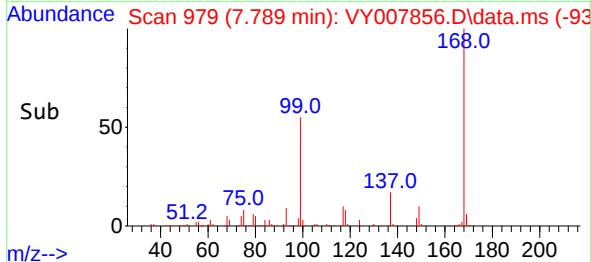
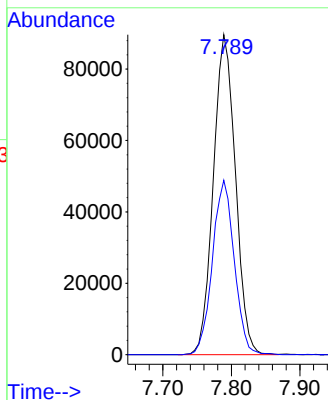
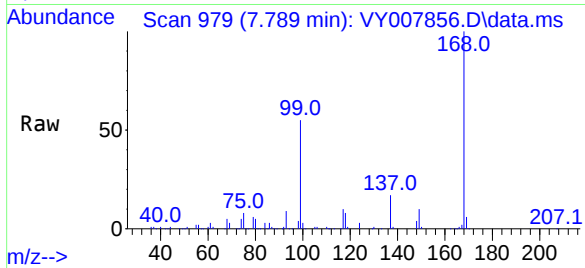




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

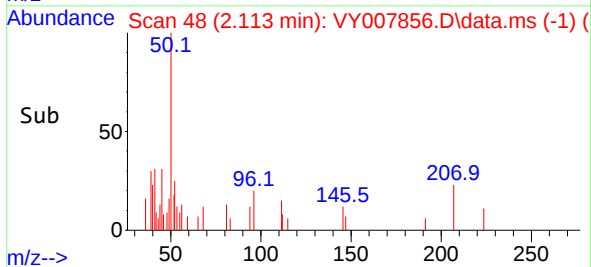
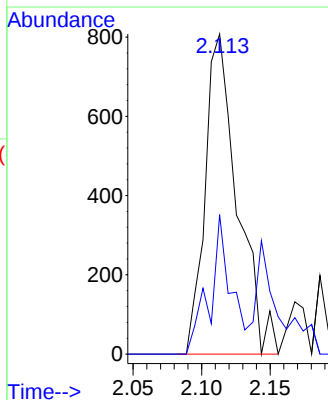
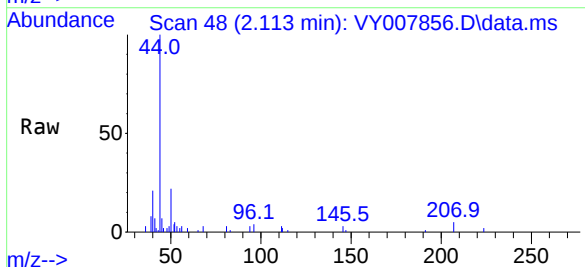
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

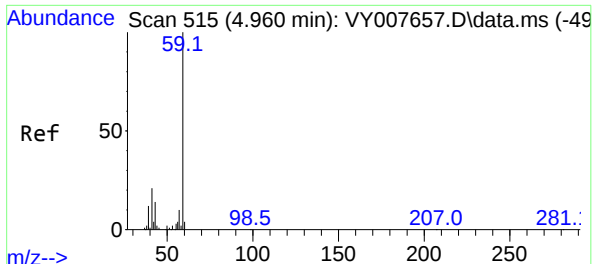
Tgt Ion:168 Resp: 200759
Ion Ratio Lower Upper
168 100
99 54.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion: 50 Resp: 1320
Ion Ratio Lower Upper
50 100
52 43.6 24.6 37.0#

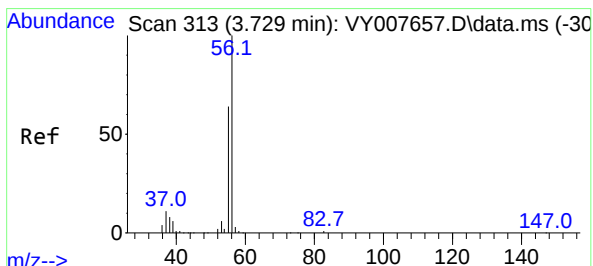
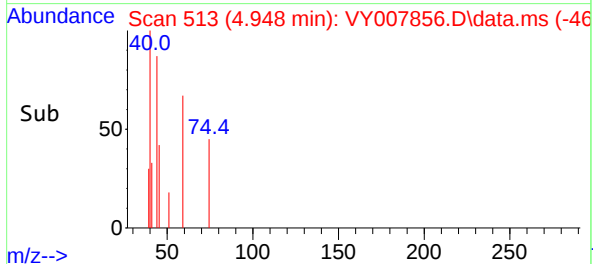
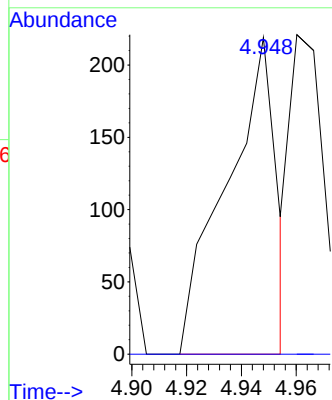
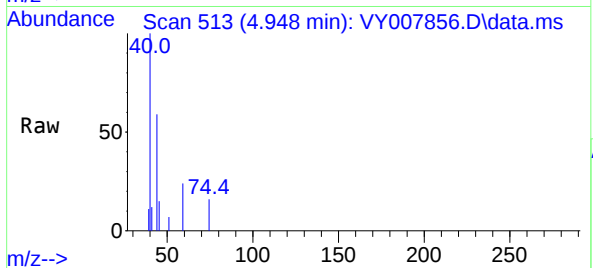




#11
Tert butyl alcohol
Concen: 1.522 ug/l
RT: 4.948 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

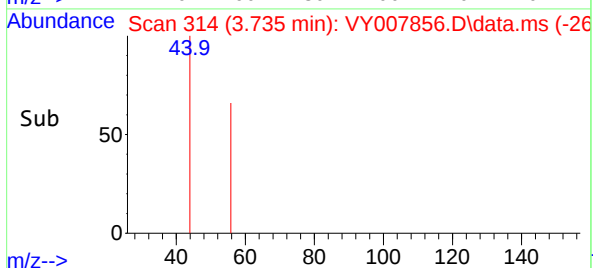
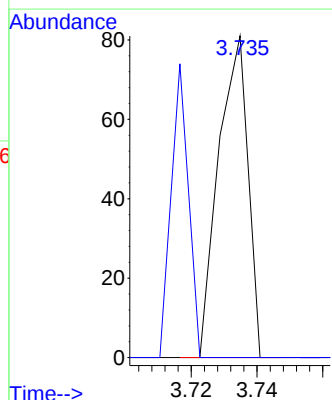
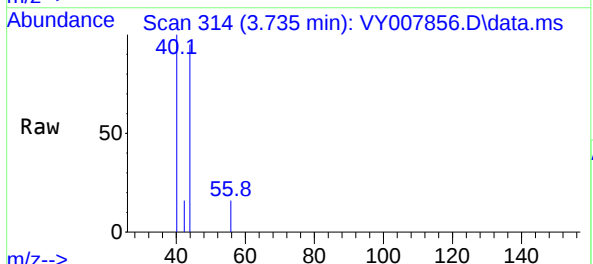
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

Tgt Ion: 59 Resp: 277
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 54.0 57.6 86.4#

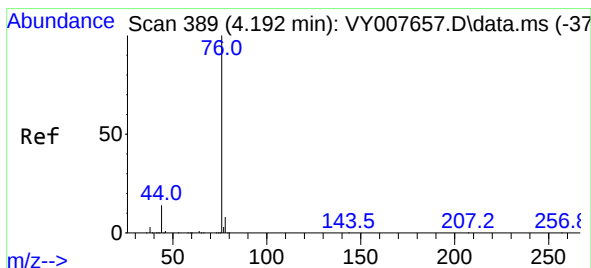
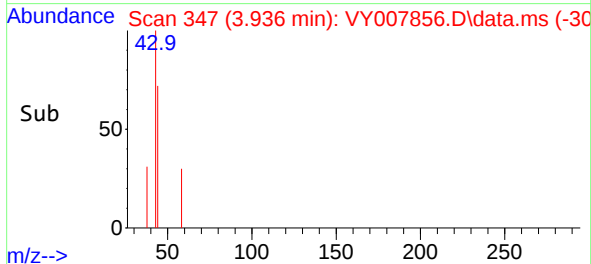
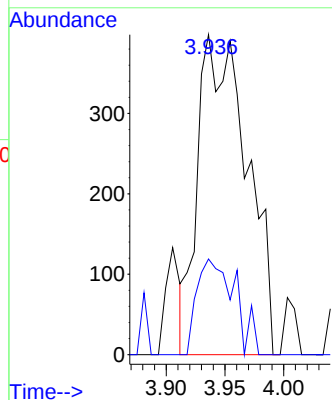
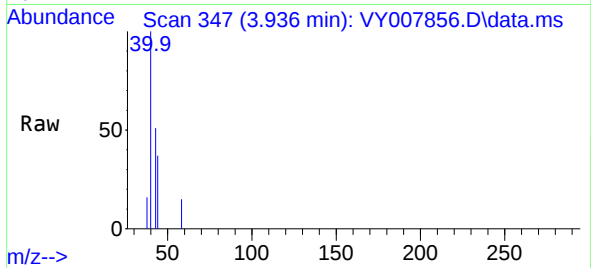




#16
Acetone
Concen: 2.711 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

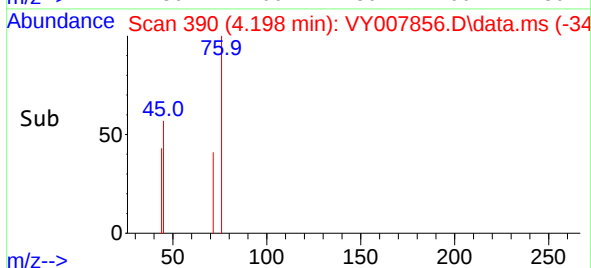
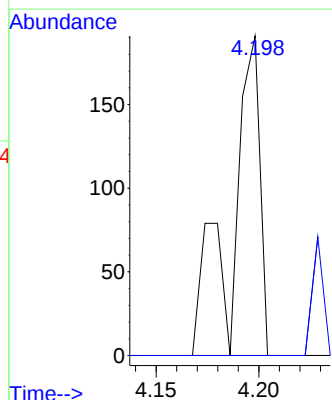
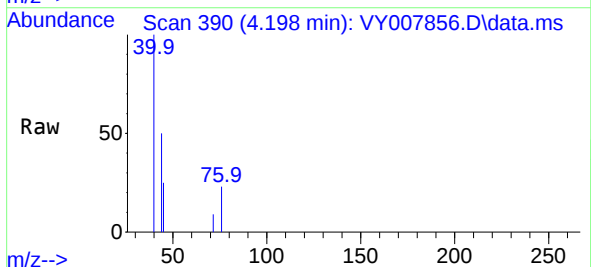
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

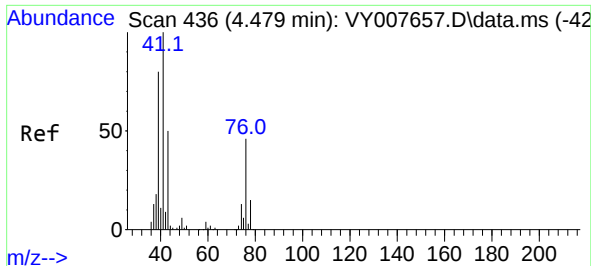
Tgt Ion: 43 Resp: 1159
Ion Ratio Lower Upper
43 100
58 29.9 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion: 76 Resp: 184
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

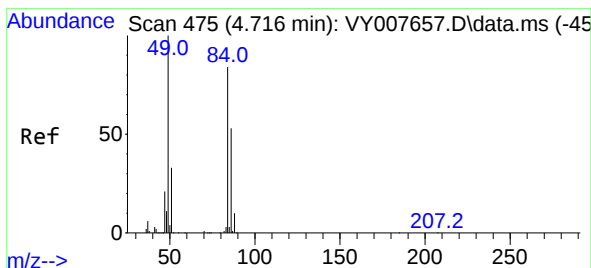
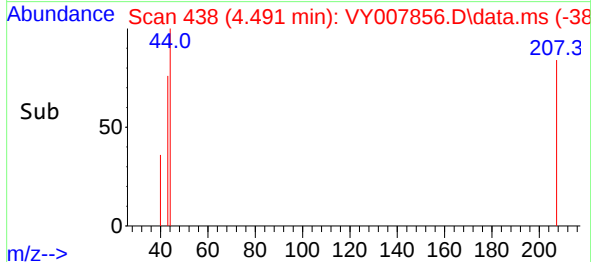
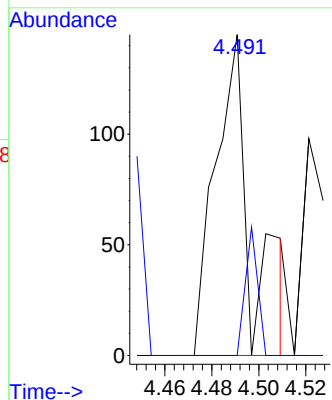
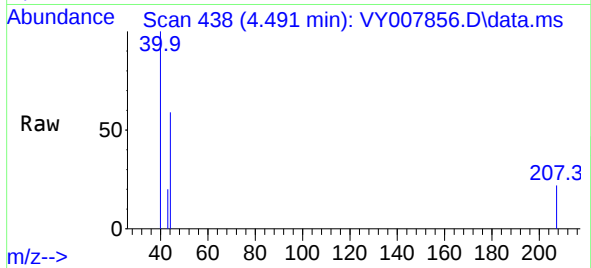




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

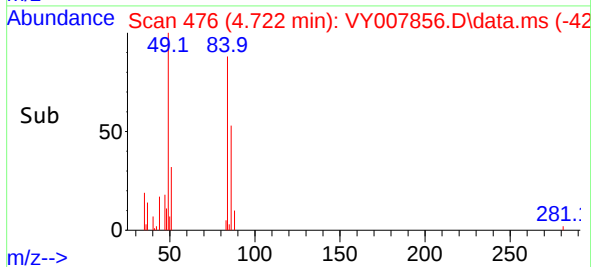
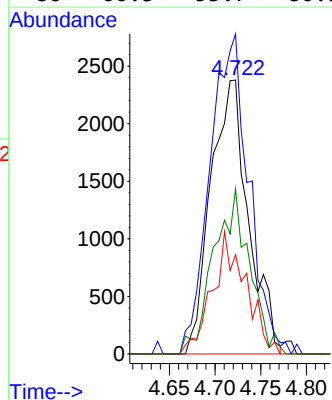
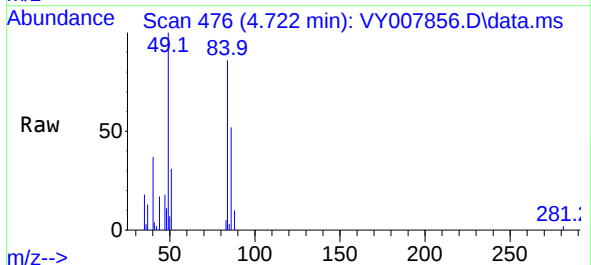
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

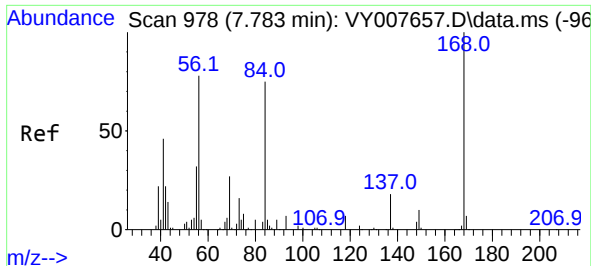
Tgt Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
74 13.5 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion: 84 Resp: 6811
Ion Ratio Lower Upper
84 100
49 116.8 114.4 171.6
51 36.2 35.3 52.9
86 60.3 53.7 80.5

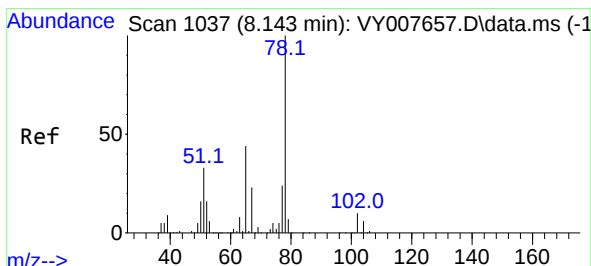
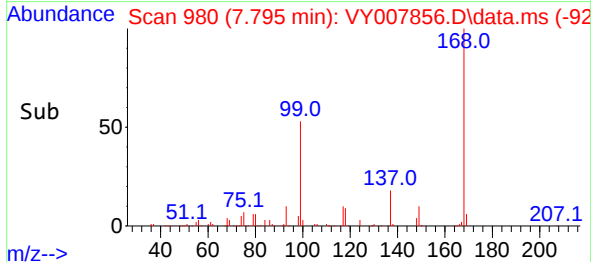
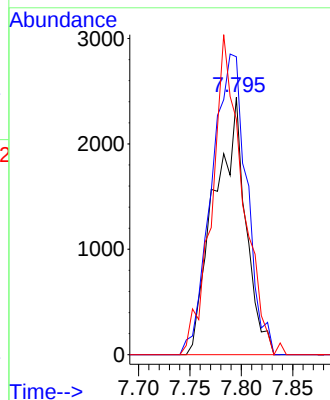
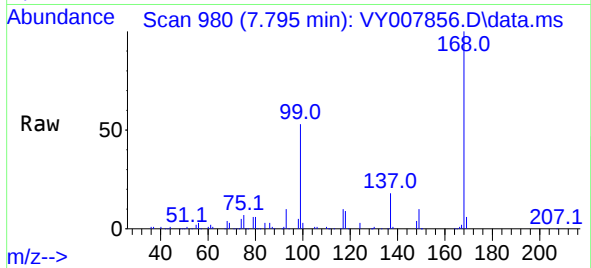




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

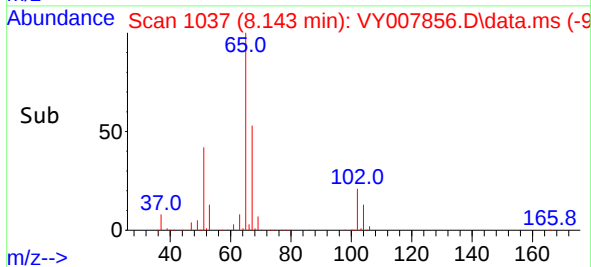
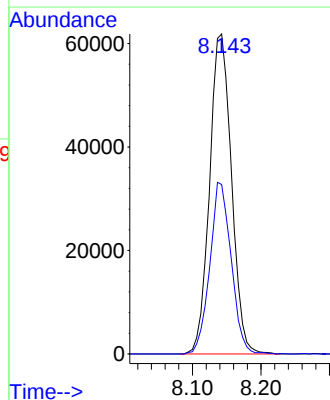
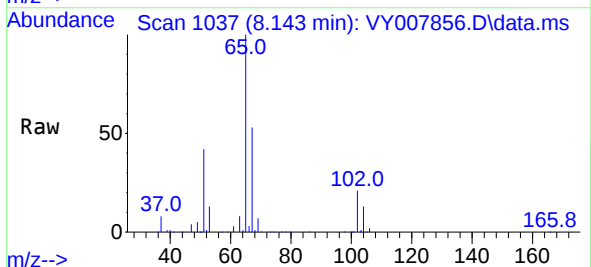
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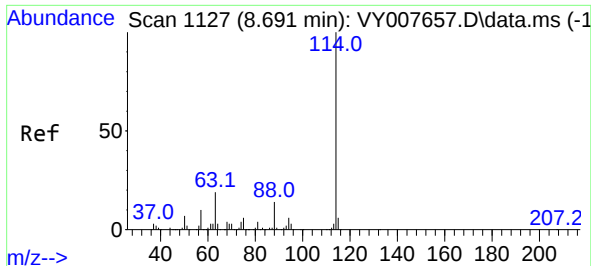
Tgt Ion: 56 Resp: 5185
Ion Ratio Lower Upper
56 100
69 115.8 26.7 40.1#
84 91.5 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 65.308 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion: 65 Resp: 137262
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: VY007856.D

Acq: 11 Mar 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

CG-B2-030722-0-1

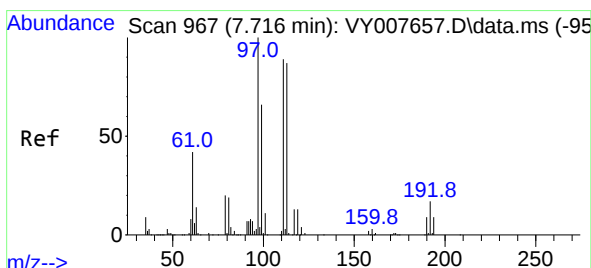
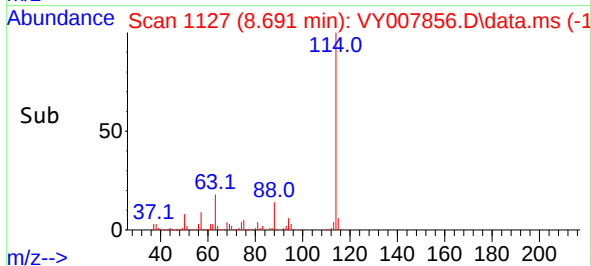
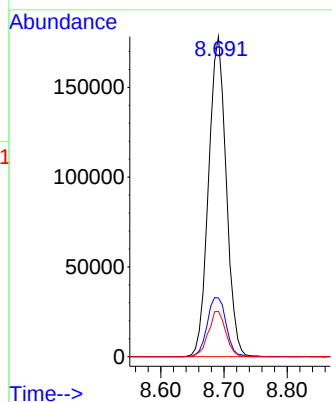
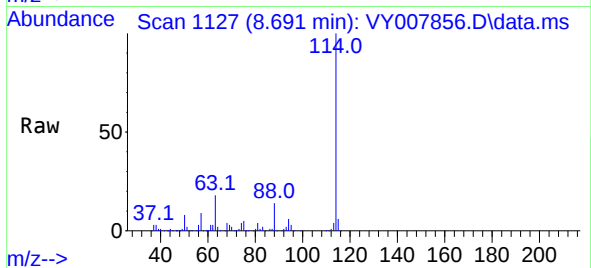
Tgt Ion:114 Resp: 345954

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.458 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007856.D

Acq: 11 Mar 2022 15:50

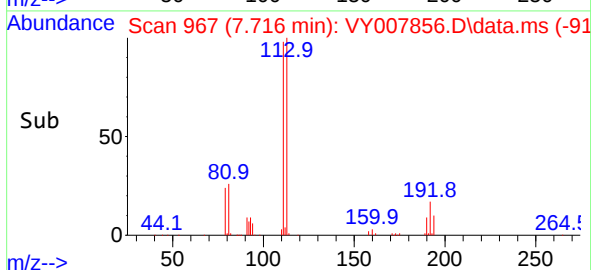
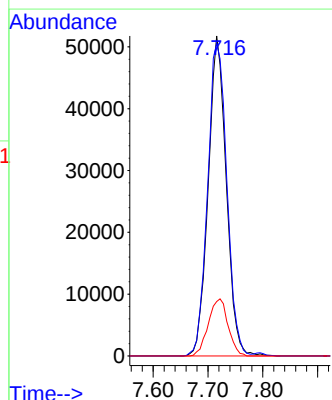
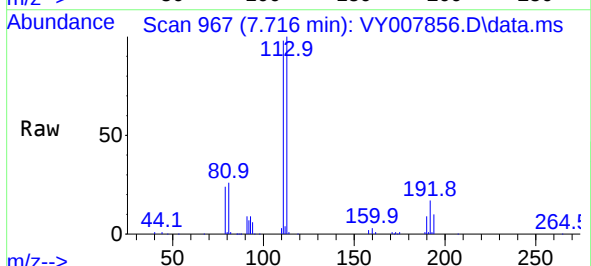
Tgt Ion:113 Resp: 118237

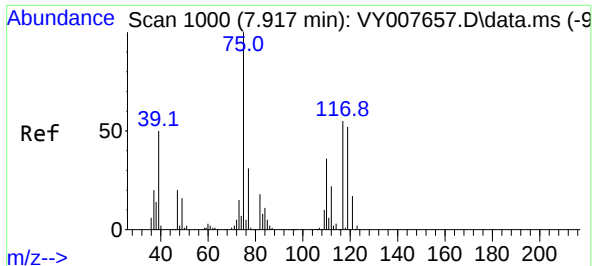
Ion Ratio Lower Upper

113 100

111 104.2 82.6 124.0

192 19.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.754 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007856.D

Acq: 11 Mar 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

CG-B2-030722-0-1

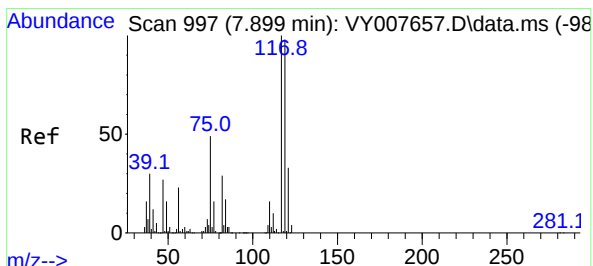
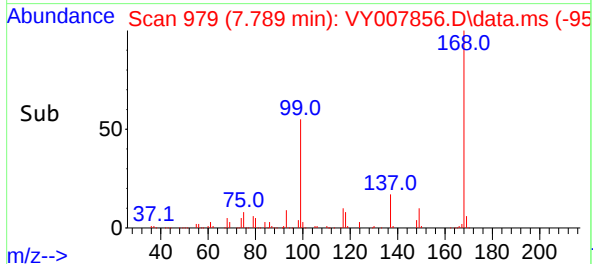
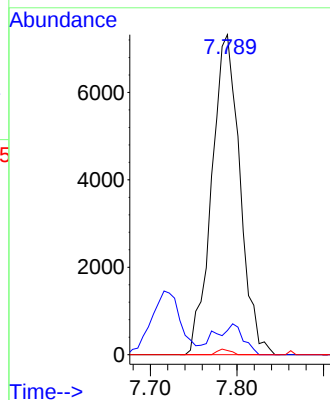
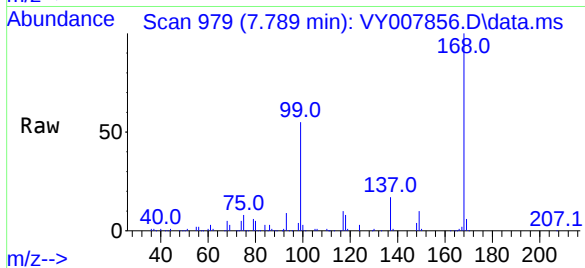
Tgt Ion: 75 Resp: 16541

Ion Ratio Lower Upper

75 100

110 10.0 17.1 51.2#

77 0.8 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.441 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007856.D

Acq: 11 Mar 2022 15:50

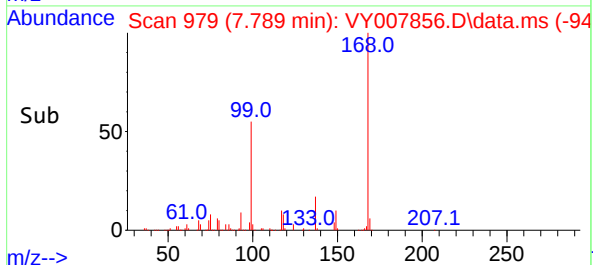
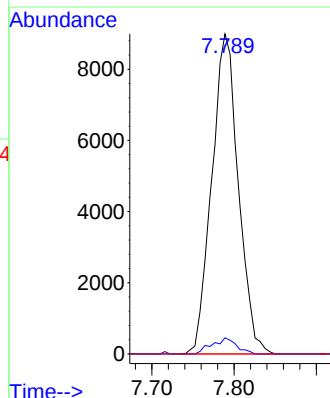
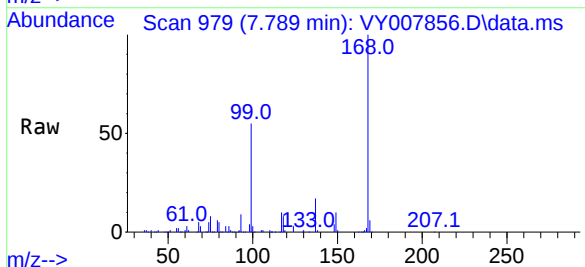
Tgt Ion: 117 Resp: 20194

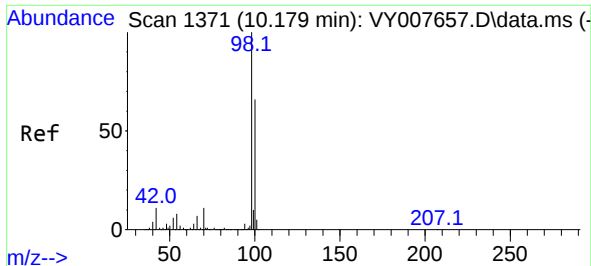
Ion Ratio Lower Upper

117 100

119 5.0 77.9 116.9#

121 0.0 24.8 37.2#

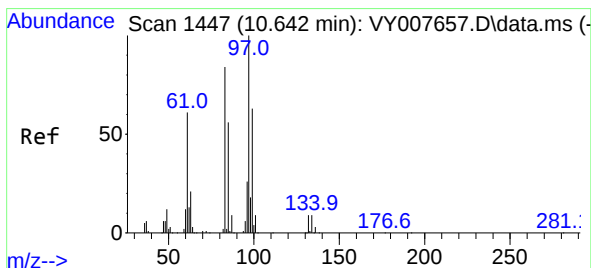
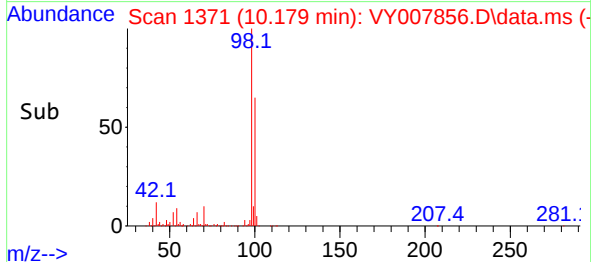
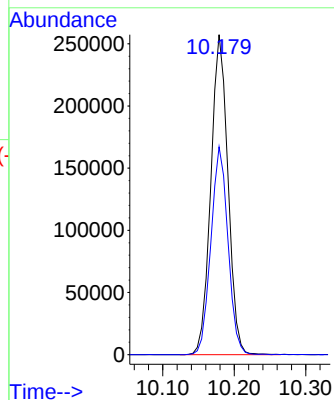
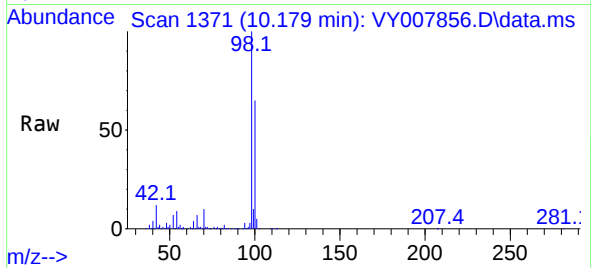




#50
Toluene-d8
Concen: 52.483 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

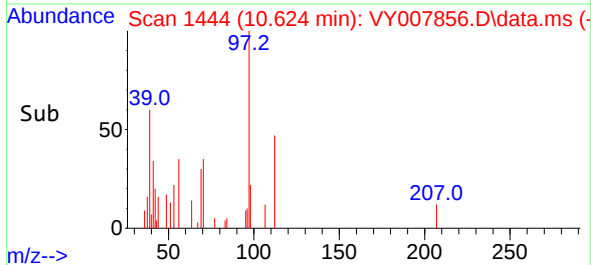
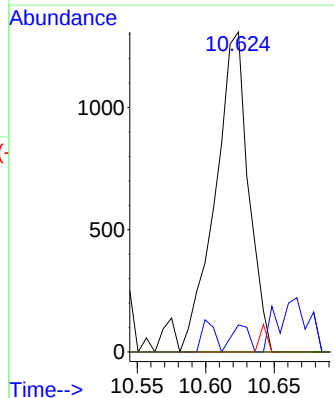
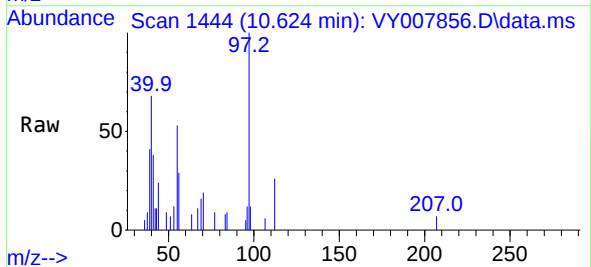
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

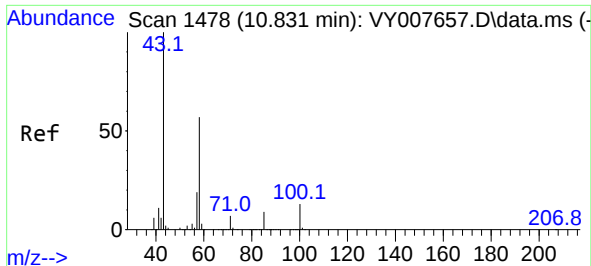
Tgt Ion: 98 Resp: 427305
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 1.080 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.018 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion: 97 Resp: 2209
Ion Ratio Lower Upper
97 100
83 8.5 69.8 104.8#
85 0.0 44.3 66.5#
99 0.0 49.8 74.6#

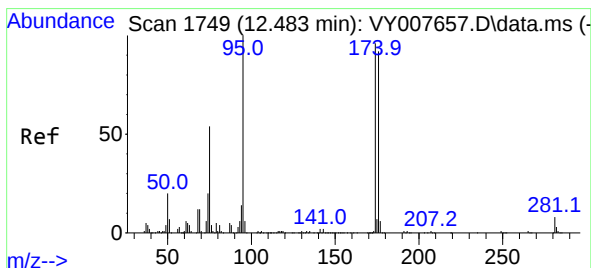
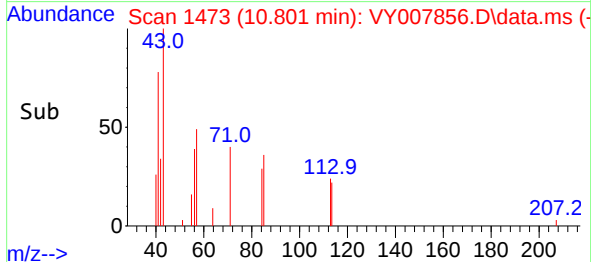
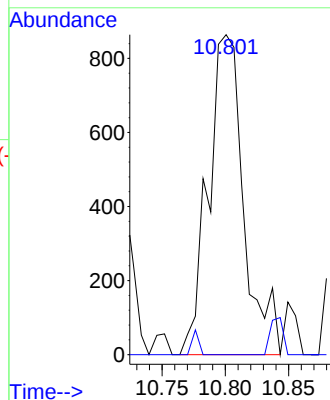
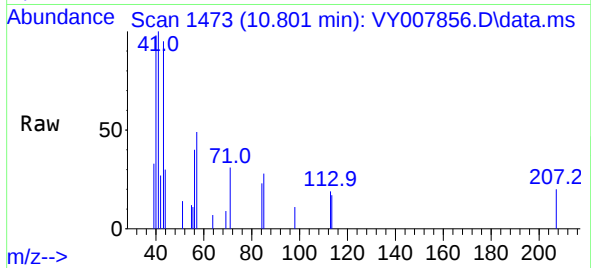




#59
2-Hexanone
Concen: 1.313 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

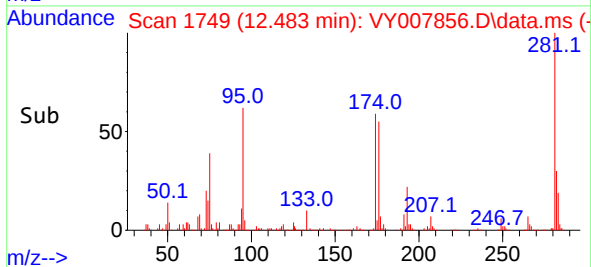
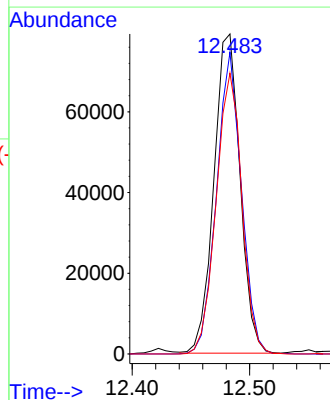
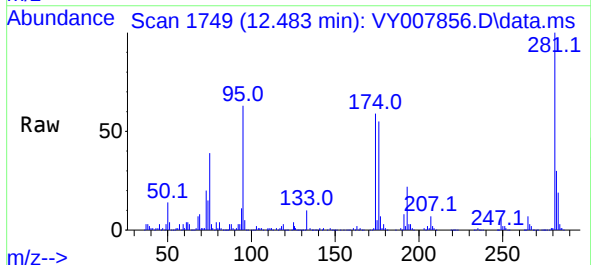
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

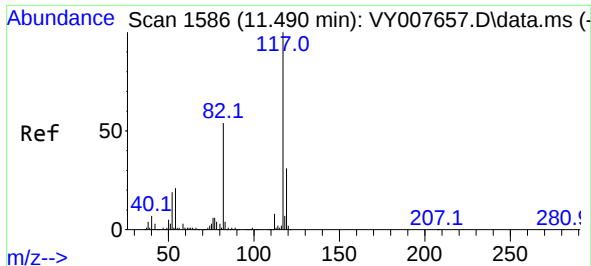
Tgt Ion: 43 Resp: 1682
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 46.619 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion: 95 Resp: 122349
Ion Ratio Lower Upper
95 100
174 90.1 0.0 177.0
176 86.7 0.0 175.8

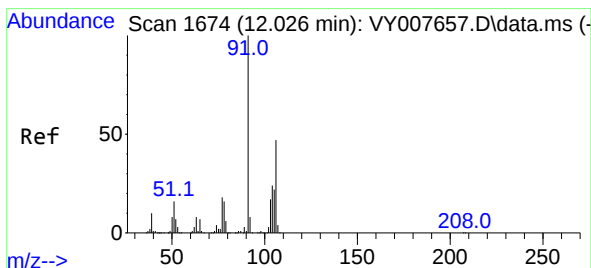
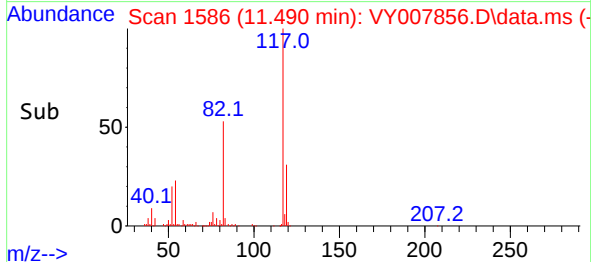
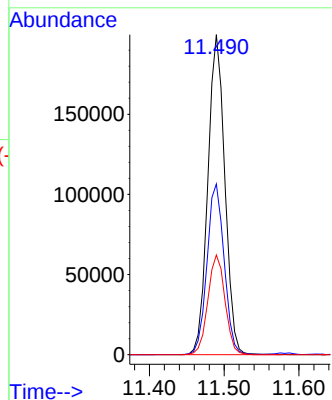
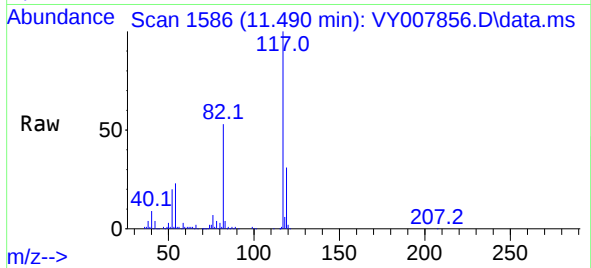




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

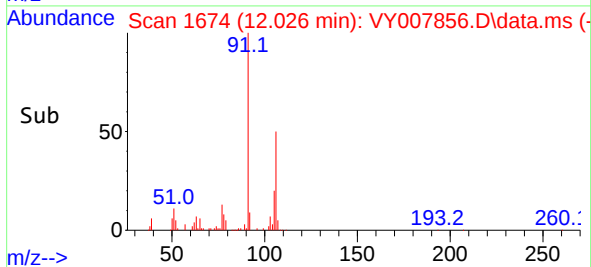
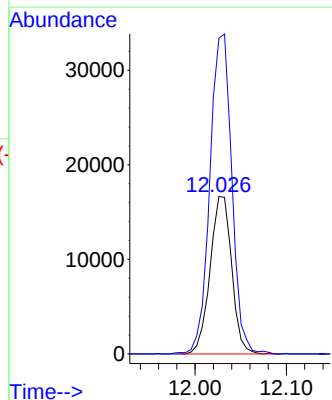
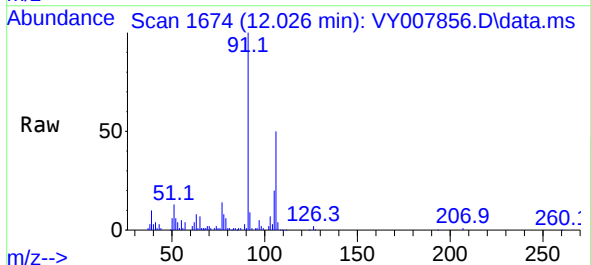
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

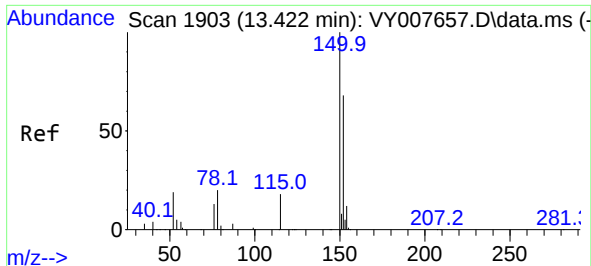
Tgt Ion:117 Resp: 314573
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 31.2 25.4 38.0



#69
o-Xylene
Concen: 6.087 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion:106 Resp: 27354
Ion Ratio Lower Upper
106 100
91 206.7 110.3 331.0

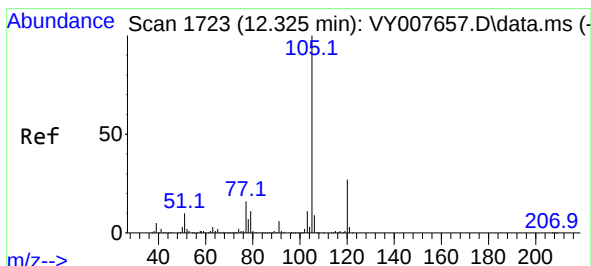
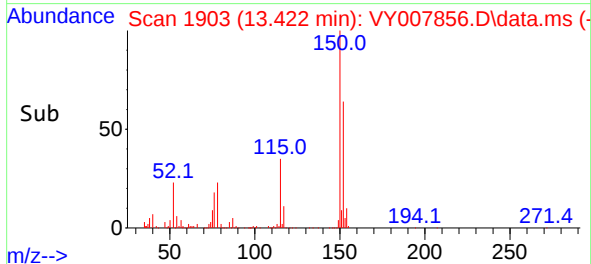
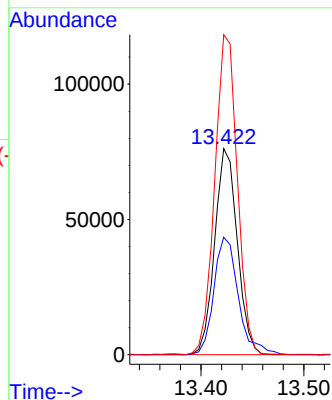
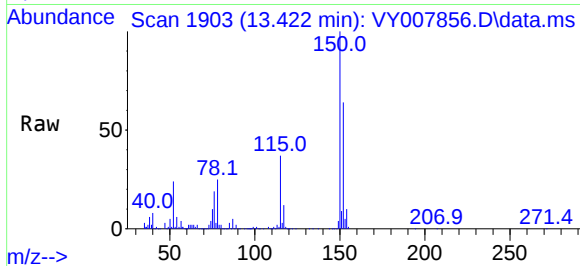




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

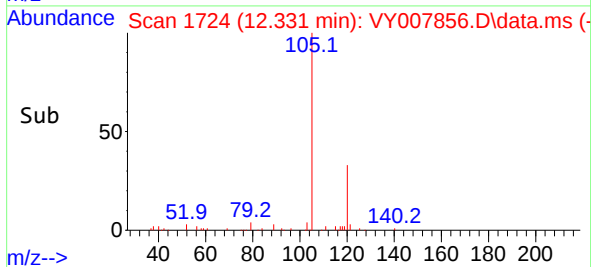
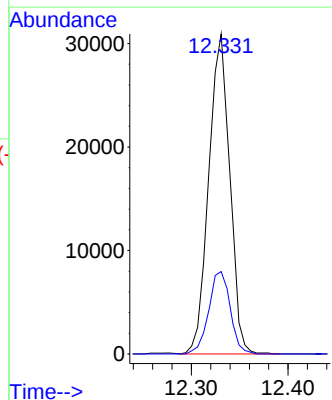
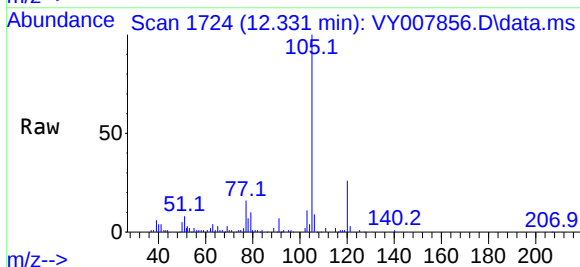
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

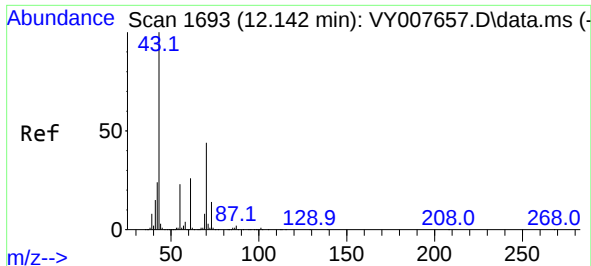
Tgt Ion:152 Resp: 116321
Ion Ratio Lower Upper
152 100
115 61.4 28.2 84.7
150 155.4 0.0 347.6



#73
Isopropylbenzene
Concen: 5.164 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion:105 Resp: 46793
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.2

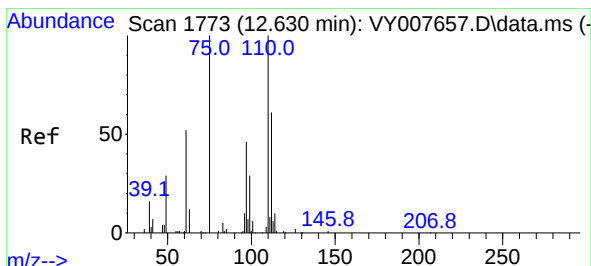
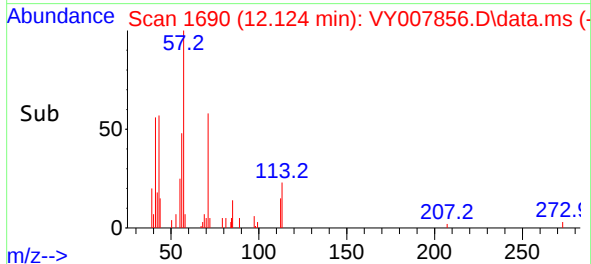
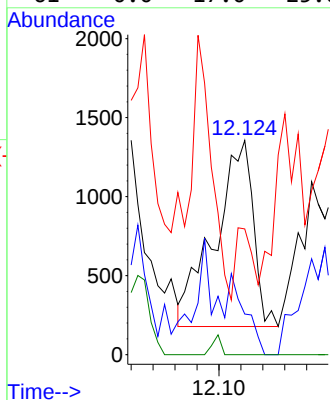
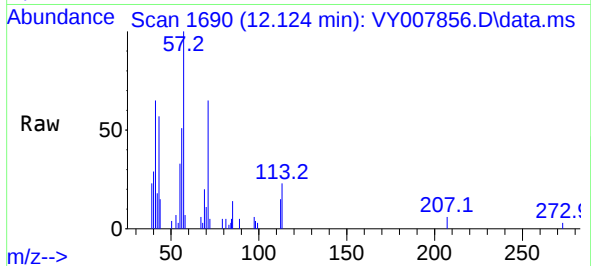




#74
N-amy1 acetate
Concen: 1.189 ug/l
RT: 12.124 min Scan# 1749
Delta R.T. -0.018 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

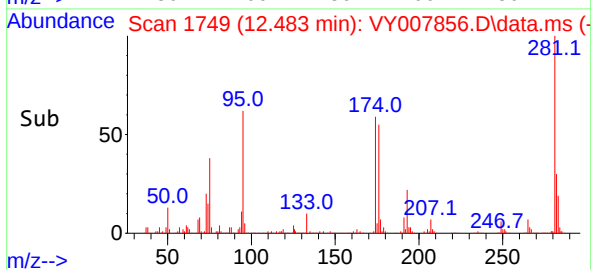
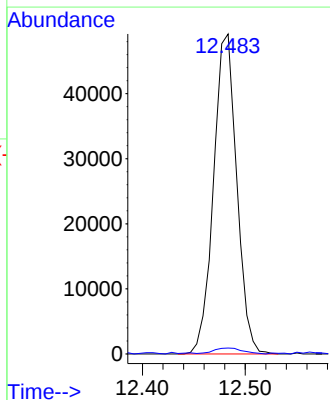
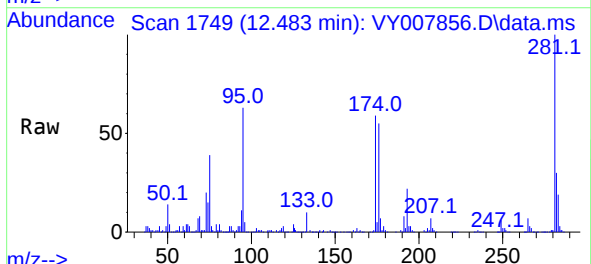
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

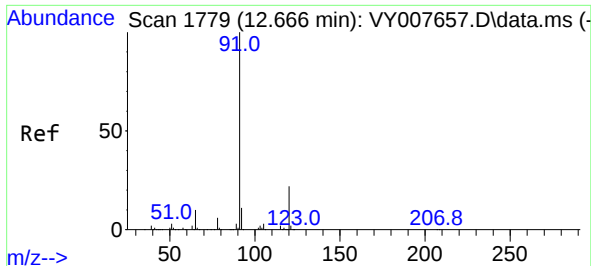
Tgt Ion: 43	Resp: 2867
Ion Ratio	Lower Upper
43 100	
70 18.9	28.7 43.1#
55 16.6	17.3 25.9#
61 0.0	17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 59.192 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion: 75	Resp: 76892
Ion Ratio	Lower Upper
75 100	
77 2.3	0.0 0.0#

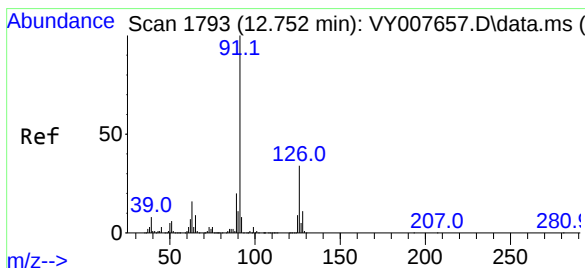
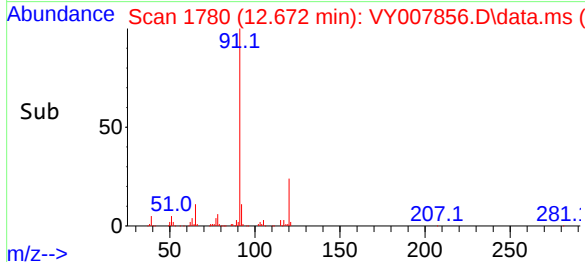
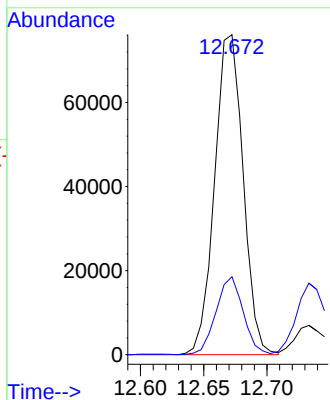
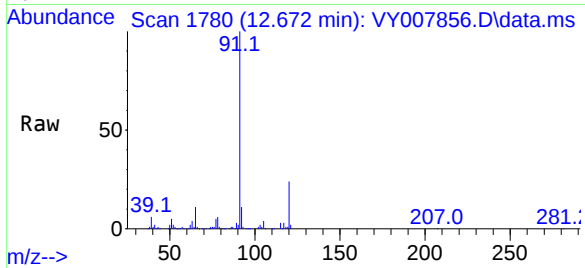




#78
n-propylbenzene
Concen: 10.902 ug/l
RT: 12.672 min Scan# 119213
Delta R.T. 0.006 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

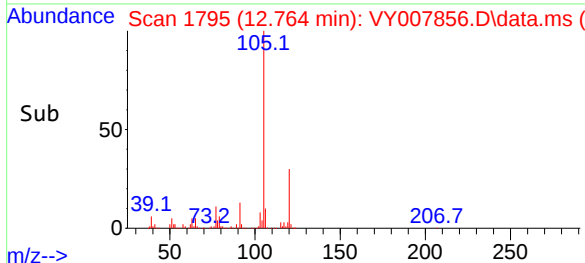
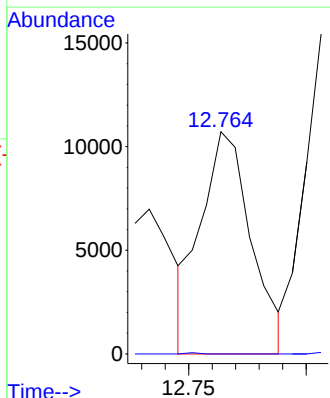
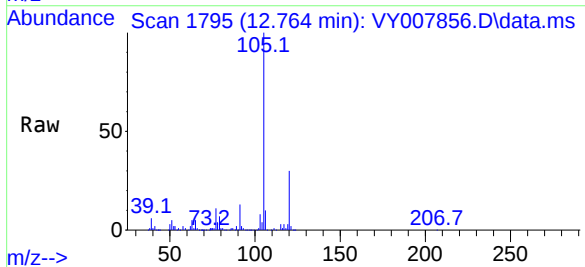
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

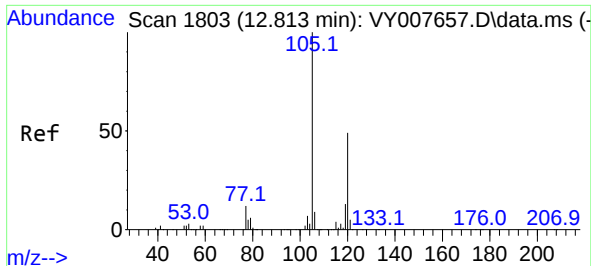
Tgt Ion: 91 Resp: 119213
Ion Ratio Lower Upper
91 100
120 23.2 11.3 33.9



#79
2-Chlorotoluene
Concen: 2.739 ug/l
RT: 12.764 min Scan# 1795
Delta R.T. 0.012 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion: 91 Resp: 16027
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

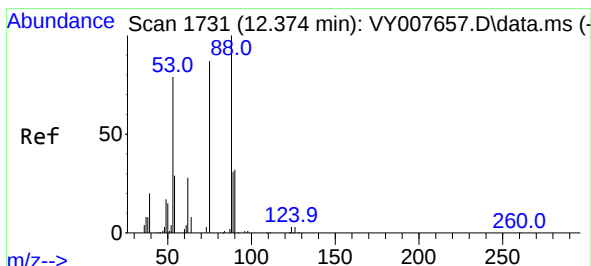
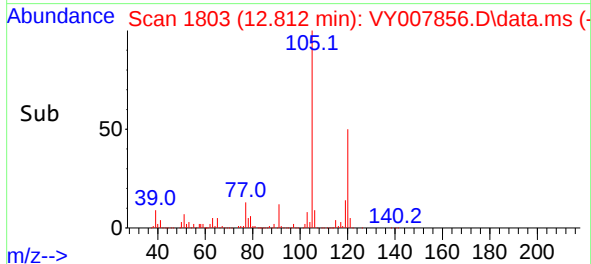
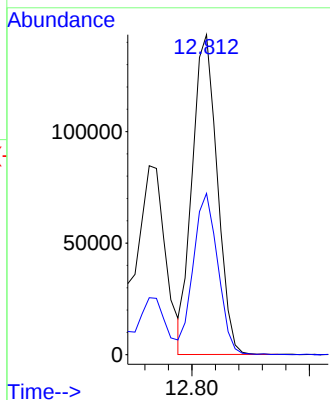
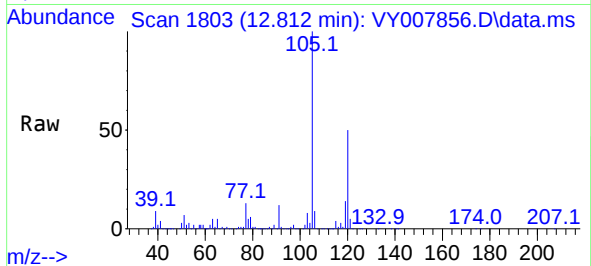




#80
1,3,5-Trimethylbenzene
Concen: 29.149 ug/l
RT: 12.812 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

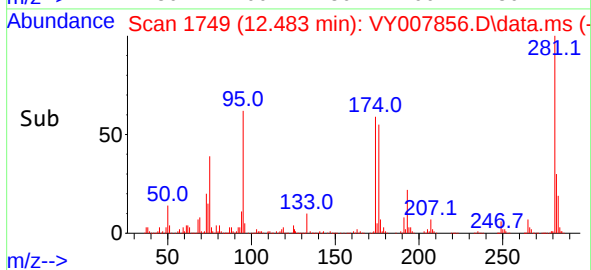
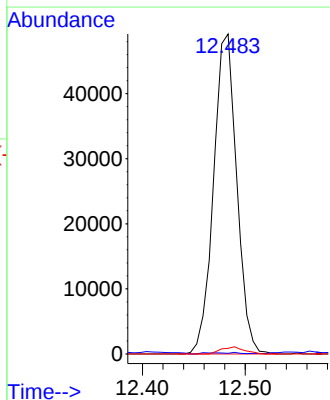
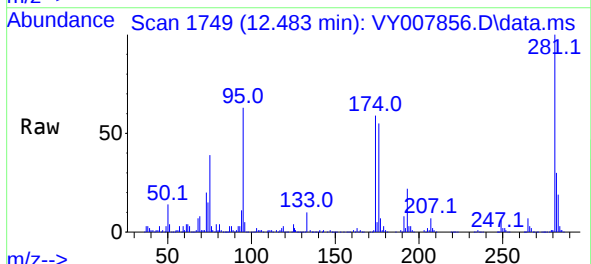
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

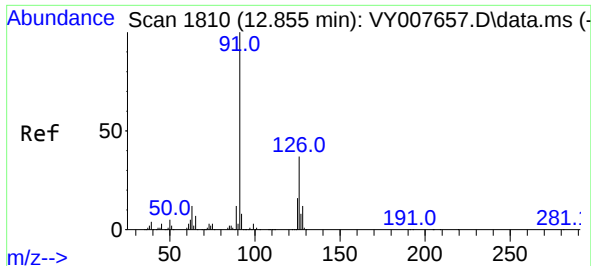
Tgt Ion:105 Resp: 211212
Ion Ratio Lower Upper
105 100
120 49.8 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 121.010 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion: 75 Resp: 76892
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 2.2 37.0 55.4#

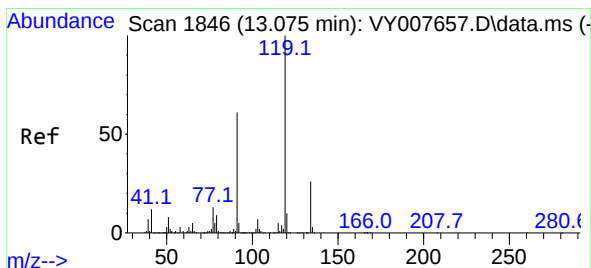
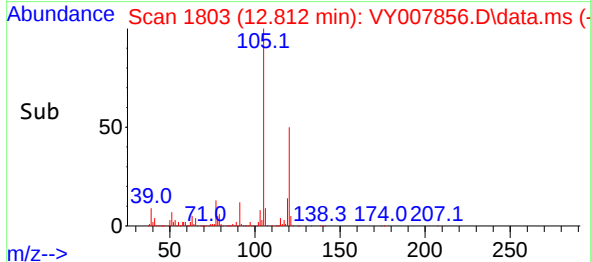
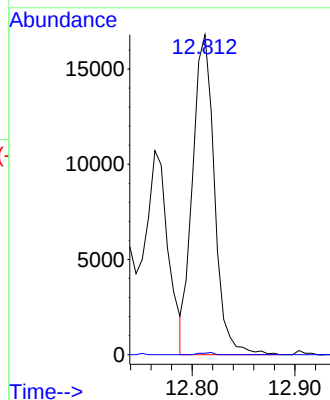
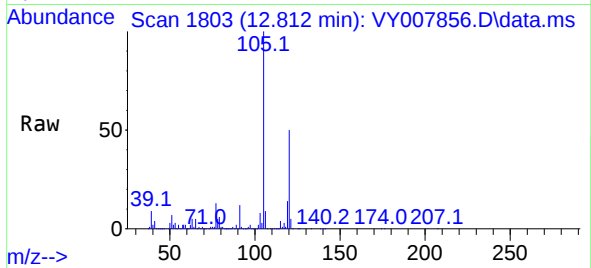




#82
4-Chlorotoluene
Concen: 4.123 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

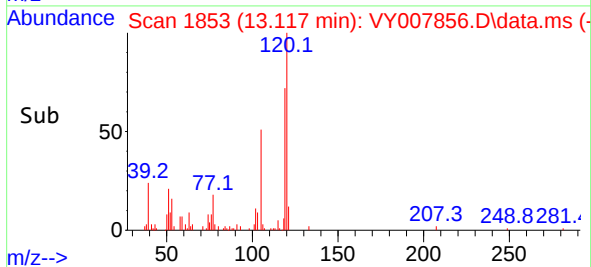
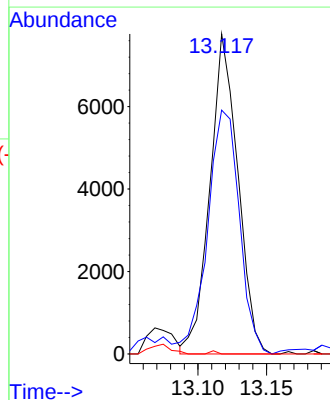
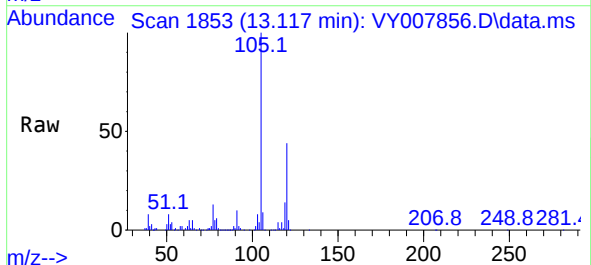
Instrument :
MSVOA_Y
ClientSampleId :
CG-B2-030722-0-1

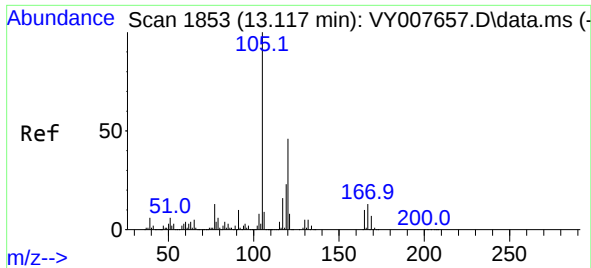
Tgt Ion: 91 Resp: 24815
Ion Ratio Lower Upper
91 100
126 0.4 17.0 51.0#



#83
tert-Butylbenzene
Concen: 1.648 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.042 min
Lab File: VY007856.D
Acq: 11 Mar 2022 15:50

Tgt Ion: 119 Resp: 10983
Ion Ratio Lower Upper
119 100
91 86.9 34.8 104.4
134 0.0 13.3 39.9#





#84
 1,2,4-Trimethylbenzene
 Concen: 11.727 ug/l
 RT: 13.117 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY007856.D
 Acq: 11 Mar 2022 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 CG-B2-030722-0-1

Tgt Ion:105 Resp: 83699
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.3 66.9

